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# Quick Installation Guide

4G LTE Router

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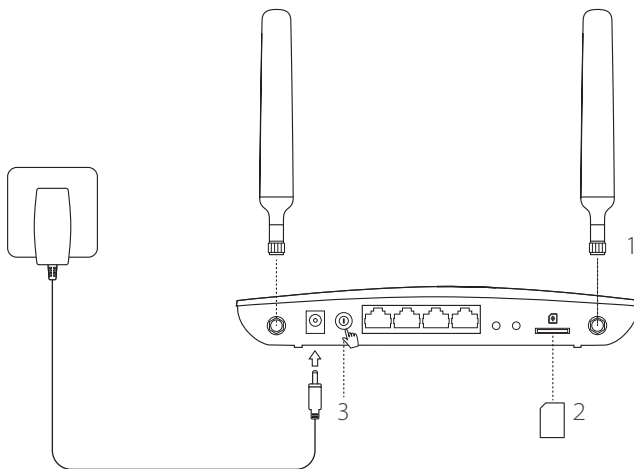
# CONTENTS

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- 01 / Deutsch
- 05 / English
- 09 / Español
- 13 / Ελληνικ
- 17 / Français
- 21 / Italiano
- 25 / Português
- 29 / Suomi
- 33 / Nederlands
- 37 / Svenska
- 41 / Norsk
- 45 / Dansk
- 49 / Türkçe



# Hardwareinstallation



- 1 Bringen Sie die LTE-Antennen an und stellen Sie diese aufrecht.
- 2 Legen Sie die SIM-Karte in den dafür vorgesehen Einschub, so dass es klickt.
- 3 Schalten Sie den Router ein.



**Viel Spaß im Internet!**

Verbinden Sie Ihr Gerät mit dem Router (über Kabel oder WLAN). Standard-SSID und -Passwort befinden sich auf dem Aufkleber an der Geräteunterseite.

## Konfigurieren des LTE-Routers

- 1 Stellen Sie sicher, dass Ihr Computer mit dem Router verbunden ist (über Kabel oder WLAN).
- 2 Starten Sie Ihren Webbrowser und besuchen Sie die Adresse **<http://tplinkmodem.net>** oder **192.168.1.1**.  
Loggen Sie sich mit **admin** als Benutzername und Passwort ein und vergeben Sie dann ein neues Passwort.
- 3 Folgen Sie den Schritt-für-Schritt-Anweisungen der Schnellinstallation (**Quick Setup**), um die Routerkonfiguration zu tätigen.

**Hinweis:** Der Router kann auch als "Wireless Router" konfiguriert werden, damit er mit einem ADSL- oder Kabelmodem verbunden werden kann. Weitere Informationen finden Sie im Handbuch, das sie von **[www.tp-link.de](http://www.tp-link.de)** herunterladen können.

## FAQ (Häufig gestellte Fragen)

### F1. Was kann ich tun, wenn die Login-Seite nicht erscheint?

- Stellen Sie sicher, dass Ihr Computer seine IP-Konfiguration automatisch bezieht (Betrieb als DHCP-Client).
- Stellen Sie sicher, dass Sie **<http://tplinkmodem.net>** bzw. **<http://192.168.1.1>** richtig geschrieben haben.
- Verwenden Sie einen anderen Webbrowser.
- Starten Sie Ihren Router neu und versuchen Sie es erneut.
- Deaktivieren und aktivieren Sie den verwendeten Netzadapter und versuchen Sie es noch einmal.

### F2. Was kann ich tun, wenn ich keinen Internetzugriff habe?

- Stellen Sie sicher, dass Ihre SIM-Karte für LTE, WCDMA oder GSM freigeschaltet ist.
- Stellen Sie sicher, dass Ihre SIM-Karte sich im Abdeckungsbereich Ihres Mobilfunkanbieters befindet.
- Stellen Sie sicher, dass Ihre SIM-Karte über genügend Guthaben verfügt.

- Überprüfen sie die WLAN-Verbindung:

Versuchen Sie, die Seite <http://tplinkmodem.net> oder <http://192.168.1.1> in Ihrem Webbrowser zu öffnen. Erscheint die Login-Seite nicht, schauen Sie unter F1 der FAQ (Häufig gestellte Fragen) nach.

- Überprüfen Sie die Verbindungsparameter Ihres Anbieters:

- 1 Öffnen Sie Ihren Webbrowser loggen Sie sich in die Weboberfläche ein.
- 2 Stellen Sie sicher, dass die Verbindungsparameter, die Sie von Ihrem Internetdienstanbieter erhalten haben, korrekt eingegeben wurden. Sind diese nicht korrekt, erstellen Sie bitte ein neues Profil mit den richtigen Parametern.

- Überprüfen der PIN-Einstellungen:

- 1 Öffnen Sie Ihren Webbrowser loggen Sie sich in die Weboberfläche ein.
- 2 Überprüfen Sie, ob die PIN-Abfrage aktiviert ist. Falls ja, geben Sie die richtige PIN ein.

- Überprüfen Sie Ihr Trafficlimit:

- 1 Öffnen Sie Ihren Webbrowser loggen Sie sich in die Weboberfläche ein.
- 2 Überprüfen Sie, ob das verbrauchte Datenvolumen das gesetzte Limit überschritten hat. Falls ja, setzen Sie die verbrauchte Menge auf 0 oder korrigieren oder deaktivieren Sie das Limit.

- Überprüfen Sie die Option "Mobile Data":

- 1 Öffnen Sie Ihren Webbrowser loggen Sie sich in die Weboberfläche ein.
- 2 Aktivieren Sie den mobilen Internetzugriff.

- Überprüfen Sie die Datenroaming-Einstellung:

- 1 Überprüfen Sie (notfalls mit Hilfe Ihres Internetdienstanbieters), ob Sie sich in einem Roaming-Gebiet befinden. Falls ja, öffnen Sie Ihren Webbrowser und loggen Sie sich in die Weboberfläche ein.
- 2 Aktivieren Sie dort das **data roaming** (Datenroaming), um auf das Internet zugreifen zu können.



### F3. Wie setze ich meinen Router auf Werkseinstellungen zurück?

- Drücken Sie, während Ihr Router läuft, die Taste **Reset/WPS**, bis die Power-LED blinkt. Der Router wird zurückgesetzt und startet anschließend neu.
- Loggen Sie sich in die Weboberfläche Ihres Routers ein, um ihn zurückzusetzen.

### F4. Was kann ich tun, wenn ich das Passwort für die Weboberfläche vergessen habe?

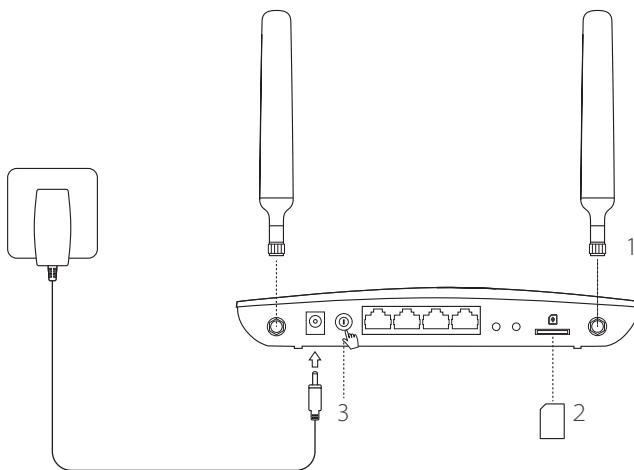
- Schauen Sie unter Teil 3 der FAQ (Häufig gestellte Fragen) nach, wie Sie Ihren Router zurücksetzen und loggen Sie sich dann mit **admin** als Benutzername und Passwort ein und vergeben Sie ein neues Passwort.

### F5. Was kann ich tun, wenn ich mein WLAN-Passwort vergessen habe?

- Das Standard-WLAN-Passwort befindet sich auf einem Aufkleber am Router.
- Funktioniert dieses nicht, weil Sie das Passwort geändert haben, loggen Sie sich in die Weboberfläche ein, um das Passwort einzusehen oder zu ändern.

**Hinweis:** Weitere Tipps zur Fehlerbehebung finden Sie in unserer FAQ-Sammlung auf unserer Webpräsenz [www.tp-link.de](http://www.tp-link.de).

# Connect the Hardware



- 1 Install the 4G LTE antennas and position them upwards.
- 2 Insert the SIM card into the slot until you hear a click.
- 3 Turn on the router.

😊 **Enjoy the Internet!**

Connect your device to the router (wired or wireless).

The default SSID and password are printed on the product label at the bottom of the router.

## Customize the 4G LTE Router

- 1 Make sure your computer is connected to the router (via wired or wireless).
- 2 Enter **http://tplinkmodem.net** or **192.168.1.1** in the address bar of a web browser. Based on the actual web management login page: use the default **admin** for both username and password or create a new password to log in.
- 3 Follow the step-by-step instructions on the **Quick Setup** page to complete the initial configuration.

**Note:** The router can also be used (or configured) in wireless router mode for ADSL/Cable connections. For more information, please refer to the User Guide at [www.tp-link.com](http://www.tp-link.com).

## FAQ(Frequently Asked Questions)

### Q1. What can I do if the login page does not appear?

- Verify that the computer is set to obtain an IP address automatically from the router.
- Verify that **http://tplinkmodem.net** or **192.168.1.1** is correctly entered in the web browser.
- Use another web browser and try again.
- Reboot your router and try again.
- Disable and then enable the active network adapter and try again.

### Q2. What can I do if I cannot access the internet?

- Verify that your SIM card is an LTE, WCDMA or GSM card.
- Verify that your SIM card is in your ISP's service area.
- Verify that your SIM card has sufficient credit.

- Check the LAN connection:  
Enter **http://tplinkmodem.net** or **192.168.1.1** in the address bar of a web browser. If the login page does not appear, refer to FAQ > Q1 and then try again.
- Check your ISP parameters:
  - 1 Open a web browser and log in to the web management page.
  - 2 Verify the parameters provided by your ISP are correctly entered. If the parameters are incorrect, create a new profile with the correct parameters.
- Check the PIN settings:
  - 1 Open a web browser and log in to the web management page.
  - 2 Verify if PIN is required. If it is, enter the correct PIN provided by your ISP.
- Check the Data Limit:
  - 1 Open a web browser and log in to the web management page.
  - 2 Verify if the total used data exceeds the total allowance. If it does, correct the total allowance and set the total used data to 0, or disable the data limit.
- Check the Mobile Data:
  - 1 Open a web browser and log in to the web management page.
  - 2 Enable the mobile data to access the internet.
- Check the Data Roaming:
  - 1 Confirm with your ISP if you are in a roaming service area. If you are, open a web browser and log into the web management page.
  - 2 Enable the data roaming to access the internet.



### Q3. How to restore the router to its factory default settings?

- With the router powered on, press and hold the **WPS/RESET** button on the rear panel of the router until the Power LED starts flashing. The router will restore and reboot automatically.
- Log in to the web management page of the router to restore the router to its factory defaults.

### Q4. What can I do if I forget the password of the web management page?

- Refer to FAQ>Q3 to restore the router and use **admin** for both username and password or create a new password to log in.

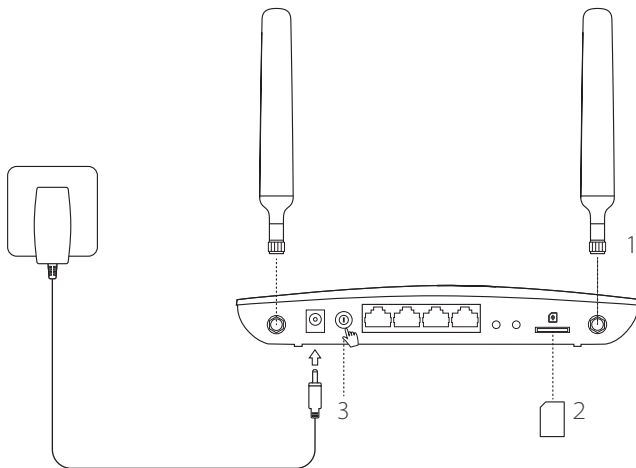
### Q5. What can I do if I forget my wireless network password?

- The default wireless password is printed on the product label of the router.
- If the default wireless password has been changed, log in to the router's web management page and retrieve or reset your password.

**Note:** For more troubleshooting help, please refer to FAQ on our website: <http://www.tp-link.com>.



## Conexión del Hardware



- 1 Instale las antenas 4G LTE y colóquelas hacia arriba.
- 2 Inserte la tarjeta SIM en la ranura hasta oír un click.
- 3 Encienda el router.



**¡Disfruta de Internet!**

Conecte su dispositivo al router (por cable o wi-fi).

El SSID y contraseña por defecto están impresos en la etiqueta del producto en la parte trasera del router.

## Personalizar el Router 4G LTE

- 1 Asegúrese de que su ordenador está conectado al router (por medio de cable o wi-fi).
- 2 Introduzca **<http://tplinkmodem.net>** o **192.168.1.1** en la barra de direcciones de un navegador web. Basada en la página actual de acceso de gestión web: utilice por defecto **admin** tanto para nombre de usuario como para contraseña o cree una nueva contraseña para acceder.
- 3 Siga las instrucciones paso a paso en la página **Quick Setup (Configuración Rápida)** para completar la configuración inicial.

**Nota:** El router también puede ser utilizado (o configurado) en modo router inalámbrico para conexiones ADSL/Cable. Para más información, por favor diríjase a la Guía de Usuario en [www.tp-link.es](http://www.tp-link.es).

## FAQ(Preguntas Frecuentes)

### Q1. ¿Qué puedo hacer si la página de acceso no aparece?

- Verifique que el ordenador está configurado para obtener una dirección IP automáticamente del ordenador.
- Verifique que **<http://tplinkmodem.net>** o **192.168.1.1** está correctamente introducido en el navegador web.
- Utilice otro navegador web e inténtelo de nuevo.
- Reinicie su router e inténtelo de nuevo otra vez.
- Deshabilite y después habilite el adaptador de red activo e inténtelo de nuevo.

### Q2. ¿Qué puedo hacer si no puedo acceder a internet?

- Verifique que su tarjeta SIM es una tarjeta LTE, WCDMA o GSM.
- Verifique que su tarjeta SIM está en un área de servicio de su ISP.

- Verifique que su tarjeta SIM tiene suficientes datos móviles.
- Compruebe la conexión LAN:  
Introduzca **http://tplinkmodem.net** o **192.168.1.1** en la barra de direcciones de un navegador web. Si la página de acceso no aparece, diríjase a la FAQ > Q1 y después inténtelo de nuevo.
- Compruebe sus parámetros ISP:
  - 1 Abra un navegador web y acceda a la página de gestión web.
  - 2 Verifique los parámetros proporcionados por su ISP están correctamente introducidos. Si los parámetros son incorrectos, cree un nuevo perfil con los parámetros correctos.
- Compruebe la configuración del PIN:
  - 1 Abra un navegador web y acceda a la página de gestión web.
  - 2 Verifique si se requiere PIN. Si es así, introduzca el PIN correcto proporcionado por su ISP.
- Compruebe el Límite de Datos:
  - 1 Abra un navegador web y acceda a la página de gestión web.
  - 2 Verifique si el total de datos utilizado excede el total permitido. Si lo hace, corrija el total permitido y establezca el total de datos utilizado a 0 o deshabilite el límite de datos.
- Compruebe los Datos Móviles:
  - 1 Abra un navegador web y acceda a la página de gestión web.
  - 2 Habilite los datos móviles para acceder a internet.
- Compruebe el Roaming de Datos:
  - 1 Confirme con su ISP si está en una zona de servicio de roaming. Si lo está, abra un navegador web y acceda a la página de gestión web.
  - 2 Habilite el roaming de datos para acceder a internet.



### Q3. ¿Cómo restauro el router a sus valores de fábrica por defecto?

- Con el router encendido, presione y mantenga pulsado el botón **WPS/RESET** en el panel trasero del router hasta que el LED Power empiece a parpadear. El router se restaurará y reiniciará automáticamente.
- Acceda a la página de gestión web del router para restaurar el router a valores de fábrica por defecto.

### Q4. ¿Qué puedo hacer si he olvidado la contraseña de la página de gestión web?

- Diríjase a FAQ>Q3 para restaurar el router y utilizar **admin** tanto para nombre de usuario como para contraseña o cree una nueva contraseña para acceder.

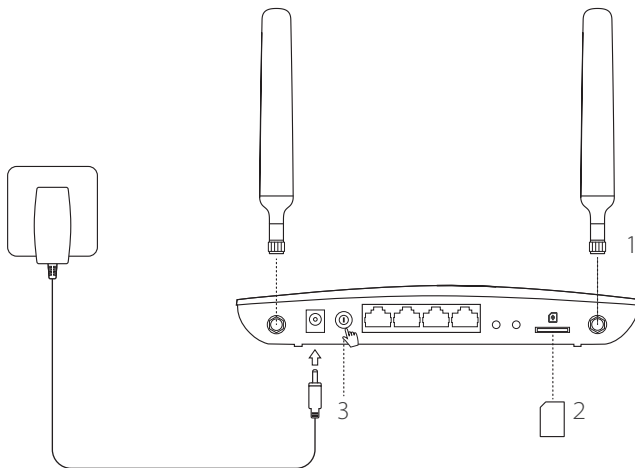
### Q5. ¿Qué puedo hacer si he olvidado mi contraseña de red inalámbrica?

- La contraseña inalámbrica por defecto está impresa en la etiqueta del producto del router.
- Si la contraseña inalámbrica por defecto ha sido cambiada, acceda a la página de gestión web del router para recuperar o restaurar su contraseña.

**Nota:** Para más ayuda en la resolución de problemas, por favor diríjase a las FAQ en nuestra página web: <http://www.tp-link.es>.



## Σύνδεση της Συσκευής



- 1 Τοποθετήστε τις κεραίες 4G LTE και στρέψτε τις ώστε να κοιτάζουν προς τα πάνω.
- 2 Τοποθετήστε την κάρτα SIM στην υποδοχή σπρώχνοντάς την μέχρι να ακούσετε τον χαρακτηριστικό ήχο 'κλικ'.
- 3 Ενεργοποιήστε το router.



**Απολαύστε το σερφάρισμα στο Internet!**

Συνδέστε τη συσκευή σας με το router (ενσύρματα ή ασύρματα).

Το εργοστασιακό όνομα δικτύου (SSID) και ο κωδικός είναι εκτυπωμένα στην ετικέτα προϊόντος που υπάρχει στο κάτω μέρος του router.

## Προσαρμογή του 4G LTE Router

- 1 Βεβαιωθείτε ότι ο υπολογιστής σας είναι συνδεδεμένος με το router (ενσύρματα ή ασύρματα).
- 2 Πληκτρολογήστε **http://tplinkmodem.net** ή **192.168.1.1** στη μπάρα διευθύνσεων κάποιου web browser. Στη σελίδα εισόδου που θα εμφανιστεί, πληκτρολογήστε: **admin** και στο πεδίο username (όνομα χρήστη) και στο πεδίο password (κωδικός) ή δημιουργήστε έναν καινούριο κωδικό εισόδου.
- 3 Ακολουθήστε βήμα- βήμα τις οδηγίες της σελίδας **Quick Setup (Γρήγορη Ρύθμιση)** για να ολοκληρώσετε τις αρχικές ρυθμίσεις.

Σημείωση: Το router μπορεί επίσης να χρησιμοποιηθεί (ή να ρυθμιστεί) σε κατάσταση λειτουργίας ασύρματου router, για συνδέσεις ADSL/Cable. Για περισσότερες πληροφορίες, ανατρέξτε στις Οδηγίες Χρήσης στην ιστοσελίδα [www.tp-link.com](http://www.tp-link.com).

## FAQ (Συχνές Ερωτήσεις)

### E1. Τι μπορώ να κάνω αν δεν εμφανίζεται η σελίδα εισόδου;

- Βεβαιωθείτε ότι ο υπολογιστής είναι ρυθμισμένος έτσι ώστε να του αποδίδεται αυτόματα διεύθυνση IP από το router.
- Βεβαιωθείτε ότι έχετε πληκτρολογήσει σωστά **http://tplinkmodem.net** ή **192.168.1.1** στο πεδίο διευθύνσεων του web browser.
- Χρησιμοποιήστε άλλον web browser και δοκιμάστε ξανά.
- Επανεκκινήστε το router σας και δοκιμάστε ξανά.
- Απενεργοποιήστε και στη συνέχεια ενεργοποιήστε τον ενεργό προσαρμογέα δικτύου και δοκιμάστε ξανά.

### E2. Τι μπορώ να κάνω αν δεν μπορώ να έχω πρόσβαση στο internet;

- Βεβαιωθείτε ότι η κάρτα SIM σας είναι LTE, WCDMA ή GSM.
- Βεβαιωθείτε ότι η κάρτα SIM βρίσκεται εντός κάλυψης δικτύου του τηλεπικοινωνιακού σας παρόχου.

- Βεβαιωθείτε ότι η κάρτα SIM σας έχει επαρκές υπόλοιπο.
- Ελέγξτε τη σύνδεση LAN:  
Πληκτρολογήστε <http://tplinkmodem.net> ή 192.168.1.1 στη μπάρα διευθύνσεων κάποιου web browser. Αν δεν εμφανίζεται η σελίδα εισόδου, ανατρέξτε στην ενότητα Συχνές Ερωτήσεις > E1 και στη συνέχεια δοκιμάστε ξανά.
- Ελέγξτε τις παραμέτρους του τηλεπικοινωνιακού σας παρόχου:
  - 1 Ανοίξτε κάποιον web browser και μπείτε στην ιστοσελίδα διαχείρισης.
  - 2 Βεβαιωθείτε ότι έχετε πληκτρολογήσει σωστά τις παραμέτρους που σας έδωσε ο τηλεπικοινωνιακός σας πάροχος (ISP). Αν οι παράμετροι δεν είναι σωστές, δημιουργήστε ένα νέο προφίλ με τις σωστές παραμέτρους.
- Ελέγξτε τις ρυθμίσεις PIN:
  - 1 Ανοίξτε κάποιον web browser και μπείτε στην ιστοσελίδα διαχείρισης.
  - 2 Εξακριβώστε αν απαιτείται κωδικός PIN. Σε περίπτωση που απαιτείται, πληκτρολογήστε τον (Ο κωδικός PIN παρέχεται από τον τηλεπικοινωνιακό σας πάροχο (ISP).
- Ελέγξτε το Όριο Δεδομένων:
  - 1 Ανοίξτε κάποιον web browser και μπείτε στην ιστοσελίδα διαχείρισης.
  - 2 Εξακριβώστε αν η ένδειξη όγκος δεδομένων που χρησιμοποιήσατε ξεπερνά την " επιτρεπόμενο όγκος δεδομένων". Αν την ξεπερνά, διορθώστε τον επιτρεπόμενο όγκο δεδομένων και ρυθμίστε την ένδειξη όγκος δεδομένων που χρησιμοποιήσατε στο 0, ή απενεργοποιήστε το όριο δεδομένων.
- Ελέγξτε τα Δεδομένα Κινητής:
  - 1 Ανοίξτε κάποιον web browser και μπείτε στην ιστοσελίδα διαχείρισης της συσκευής.
  - 2 Ενεργοποιήστε τα δεδομένα κινητής για πρόσβαση στο internet.
- Ελέγξτε την Περιαγωγή Δεδομένων:
  - 1 Πληροφορηθείτε από τον τηλεπικοινωνιακό σας παροχό αν βρίσκεστε σε περιοχή περιαγωγής (roaming). Εφόσον βρίσκεστε, ανοίξτε κάποιον web browser και μπείτε στην ιστοσελίδα διαχείρισης.
  - 2 Ενεργοποιήστε την περιαγωγή δεδομένων για πρόσβαση στο internet.



### **E3. Πώς μπορώ να επαναφέρω το router στις εργοστασιακές ρυθμίσεις;**

- Ενώ το router είναι ενεργοποιημένο, πιέστε και κρατήστε πατημένο το πλήκτρο WPS/RESET που βρίσκεται στο πίσω μέρος του router μέχρι να ξεκινήσει να αναβοσβήνει η ένδειξη LED Power (Τροφοδοσίας). Το router θα πραγματοποιήσει αυτόματα επαναφορά στις εργοστασιακές ρυθμίσεις και επανεκκίνηση.
- Μπείτε στην ιστοσελίδα διαχείρισης του router για να επαναφέρετε το router στις εργοστασιακές ρυθμίσεις του.

### **E4. Τι μπορώ να κάνω αν ξεχάσω τον κωδικό πρόσβασης στην ιστοσελίδα διαχείρισης;**

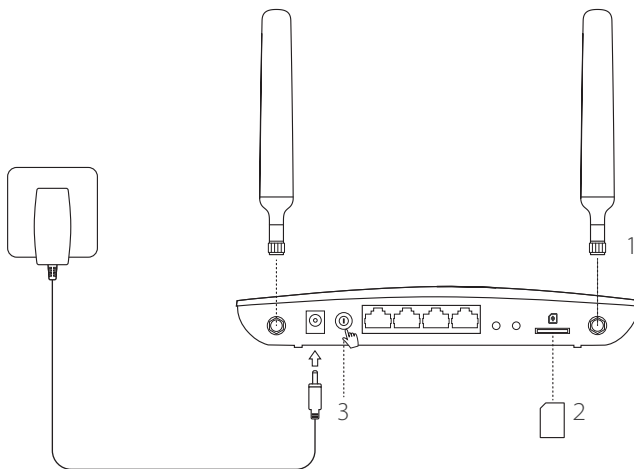
- Ανατρέξτε στην Ενότητα «Συχνές Ερωτήσεις»>E3 για να επαναφέρετε το router στις εργοστασιακές ρυθμίσεις και χρησιμοποιήστε admin και ως όνομα χρήστη και ως κωδικό ή δημιουργήστε νέο κωδικό για είσοδο.

### **E5. Τι μπορώ να κάνω αν ξεχάσω τον κωδικό πρόσβασης στο ασύρματο δίκτυό μου;**

- Ο εργοστασιακός κωδικός ασύρματου δικτύου αναγράφεται στην ετικέτα που είναι κολλημένη πάνω στο router.
- Αν έχετε αλλάξει τον εργοστασιακό κωδικό ασύρματου δικτύου, μπείτε στην ιστοσελίδα διαχείρισης του router για να ανακτήσετε ή να επαναφέρετε τον κωδικό σας.

**Σημείωση:** Για περισσότερες πληροφορίες αντιμετώπισης προβλημάτων, παρακαλούμε ανατρέξτε στις «Συχνές Ερωτήσεις» που υπάρχουν στην ιστοσελίδα μας: <http://www.tp-link.com>.

# Branchement du matériel



- 1 Vissez les 2 antennes 4G LTE et positionner-les vers le haut.
- 2 Insérez la carte SIM dans l'emplacement prévu jusqu'à ce que vous entendez un click prouvant que la carte est bien positionnée.
- 3 Allumez le routeur.



## Appréciez l'utilisation d'Internet!

Connectez votre appareil au routeur (en filaire ou en Wi-Fi).

Le SSID (nom du réseau Wi-Fi) et le mot de passe par défaut sont imprimés sur l'étiquette collée sur la face de dessous du routeur.

## Configuration du routeur 4G LTE

- 1 Vérifiez que votre ordinateur est connecté uniquement au routeur (en filaire ou en Wi-Fi)
- 2 Tapez **http://tplinkmodem.net** ou **192.168.1.1** dans le champ URL d'un navigateur. Authentifiez vous en utilisant les nom d'utilisateur et mot de passe : **admin** (en minuscules). Vous pouvez créer un nouvel identifiant et un nouveau mot de passe pour les futures authentifications.
- 3 Suivez les instructions des étapes consécutives du "**Quick Setup (Assistant rapide d'installation)**" pour compléter la configuration initiale de votre routeur.

**Note:** Le routeur 4G peut être utilisé (ou configuré) en tant que routeur Wi-Fi pour des connexions xDSL/cable (en provenance d'un modem ou d'une box). Pour obtenir plus d'informations sur ce mode opératoire, consultez le manuel d'utilisation sur [www.tp-link.fr](http://www.tp-link.fr).

## Questions fréquentes (F.A.Q.)

### Q1. Pourquoi je n'accède pas à la page d'authentification?

- Vérifiez que votre ordinateur est paramétré pour obtenir une adresse IP automatiquement.
- Vérifiez la saisie correcte de **http://tplinkmodem.net** ou **192.168.1.1** dans le champ URL de votre navigateur.
- Utilisez un navigateur différent et essayez à nouveau.
- Redémarrez votre routeur et essayez à nouveau.
- Désactivez puis activez votre carte réseau (Ethernet ou Wi-Fi) et essayez à nouveau.

### Q2. Pourquoi je n'accède pas à internet?

- Vérifiez que votre carte SIM supporte le type de réseau GSM, WCDMA 3G ou LTE 4G.
- Vérifiez que votre carte SIM est dans une zone de couverture de l'opérateur mobile.

- Vérifiez les connexions locales LAN:  
Tapez **http://tplinkmodem.net** ou **192.168.1.1** dans le champ URL d'un navigateur. Si la fenêtre d'authentification n'apparaît pas, consultez la FAQ > Q1 et essayez à nouveau.
- Vérifiez les paramètres de votre opérateur mobile FAI:
  - 1 Ouvrez une page d'un navigateur et accédez à la page de configuration du routeur.
  - 2 Vérifiez que les paramètres fournis par votre FAI sont correctement saisis. Si les paramètres sont incorrects, créez un nouveau profil de connexion avec les paramètres corrects.
- Vérifiez les paramètres du code PIN:
  - 1 Ouvrez une page d'un navigateur et accédez à la page de configuration du routeur
  - 2 Vérifiez si le code PIN est requis (le code PIN par défaut est composé de 4 chiffres, souvent il s'agit de 0000). Si c'est le cas, saisissez le code PIN correct fourni avec la carte SIM de votre opérateur mobile (FAI).
- Vérifiez la fonction Data limit (limite d'utilisation des données):
  - 1 Ouvrez une page d'un navigateur et accédez à la page de configuration du routeur.
  - 2 Vérifiez si la valeur consommation totale de données utilisées excède la valeur consommation totale de données prévues. Si c'est le cas, corrigez la valeur consommation totale utilisée et fixez cette valeur à 0, ou désactivez la limitation de consommation de données.
- Vérifiez l'option Data Roaming (itinérance de données):
  - 1 Confirmez auprès de votre opérateur mobile FAI si vous êtes dans une zone de service roaming (itinérance de données). Si c'est le cas, ouvrez une page d'un navigateur et accédez à la page de configuration du routeur. (remarque : autoriser l'itinérance des données sans l'accord de votre FAI peut provoquer des frais supplémentaires importants.)
  - 2 Activez le service data roaming (itinérance de données) pour accéder à internet.

### Q3. Comment réinitialiser le routeur à ses paramètres usine?

- Le routeur étant sous tension, appuyez sur le bouton **WPS/RESET** à l'arrière du routeur et ce jusqu'à ce que le



témoin lumineux d'alimentation clignote. Le routeur se réinitialise et redémarre automatiquement.

- Accédez à la page de configuration du routeur pour le réinitialiser aux paramètres d'usine dans le menu System tools (outils système).

#### Q4. J'ai oublié le mot de passe d'authentification pour accéder à la page de configuration du routeur?

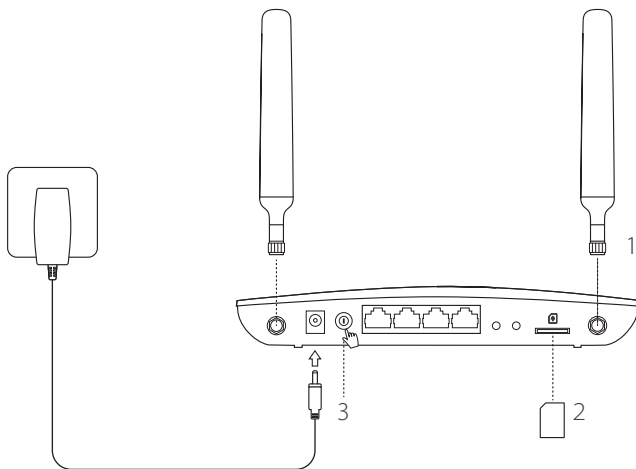
- Consultez la FAQ>Q3 pour réinitialiser le routeur à ses paramètres par défaut et utilisez les nom d'utilisateur et mot de passe : **admin** (en minuscules). Vous pouvez créer un nouvel identifiant et un nouveau mot de passe pour les authentifications futures.

#### Q5. J'ai oublié le mot de passe de la connexion Wi-Fi?

- Le SSID (nom du réseau Wi-Fi) et le mot de passe par défaut sont imprimés sur l'étiquette collée sur la face de dessous du routeur.
- Si vous avez modifié le mot de passe Wi-Fi par défaut, accédez à la page de configuration du routeur pour le récupérer ou créer un nouveau mot de passe Wi-Fi.

**Note:** Pour obtenir de l'aide supplémentaire, veuillez consulter la section FAQ sur: <http://www.tp-link.fr>.

# Connessione Hardware



- 1 Installate le antenne 4G LTE e posizionatele all'insù.
- 2 Inserite la SIM card nello slot finchè fa clic.
- 3 Accendete il router.



## Navigate in Internet!

Connettete il vostro dispositivo al router (cablato o wireless).

SSID e password di default sono stampati sull'etichetta presente sotto il router.

## Personalizzate il Router 4G LTE

- 1 Assicuratevi che il vostro computer sia connesso al router (via cavo o wireless).
- 2 Immettete **http://tplinkmodem.net** o **192.168.1.1** nella barra degli indirizzi del web browser. Accedete alla pagina di login della gestione web: usate **admin** come username e password di default o create una nuova password per il login.
- 3 Seguite passo passo le istruzioni della pagina di **Quick Setup** per completare la configurazione iniziale.

**Nota:** Il router può anche essere usato (o configurato) in modalità wireless router per connessioni ADSL/Ethernet. Per maggiori informazioni, fate riferimento alla Guida Utente che trovate in [www.tp-link.it](http://www.tp-link.it).

## FAQ (Domande Frequenti)

### Q1. Cosa posso fare se non appare la pagina di login?

- Verificate che il computer possa ottenere automaticamente un indirizzo IP dal router.
- Verificate che **http://tplinkmodem.net** o **192.168.1.1** sia stato immesso correttamente nella barra degli indirizzi del web browser.
- Usate un altro web browser e riprovate.
- Riavviate il router e riprovate.
- Disabilitate e riabilitate l'adattatore di rete e riprovate.

### Q2. Cosa posso fare se non riesco a navigare in internet?

- Verificate che la vostra SIM card sia LTE, WCDMA o GSM.
- Verificate che la vostra SIM card sia in una zona coperta dal vostro ISP.

- Verificate che la vostra SIM card abbia credito sufficiente.
- Controllate la connessione LAN:  
Immettete **http://tplinkmodem.net** o **192.168.1.1** nella barra degli indirizzi del web browser. Se non appare la pagina di login, consultate la FAQ > Q1 e riprovate.
- Verificate i parametri dl vostro ISP:
  - 1 Aprite un web browser e fate login alla pagina di gestione web.
  - 2 Verificate che i parametri forniti dal vostro ISP siano stati immessi correttamente. Se i parametri non sono corretti, create un nuovo profilo con i parametri corretti.
- Verificate le impostazioni del PIN
  - 1 Aprite un web browser e fate login alla pagina di gestione web.
  - 2 Verificate se viene richiesto il PIN. Se viene richiesto, immettete il PIN fornitovi dall'ISP.
- Controllate la Limitazione Dati:
  - 1 Aprite un web browser e fate login alla pagina di gestione web.
  - 2 Verificate se i dati totali usati superano il totale consentito. Se è così, modificate il totale consentito e impostate i dati totali usati su 0, o disabilitate il limite dati.
- Controllate i Dati Mobili:
  - 1 Aprite un web browser e fate login alla pagina di gestione web.
  - 2 Abilitate i dati mobili per l'accesso a internet.
- Controllate il Roaming Dati:
  - 1 Verificate se il vostro ISP è in una zona con servizio roaming. Se lo è, aprite un web browser e fate login alla pagina di gestione web.
  - 2 Abilitate il roaming dati per l'accesso a internet.

### Q3. Come posso riportare il router alle impostazioni di fabbrica di default?

- Con il router acceso, premete il tasto **WPS/RESET** posto nel pannello posteriore del router fino a quando il LED Power comincia a lampeggiare. Il router si resetterà e riavvierà automaticamente.
- Fate login alla pagina di gestione web del router per riportarlo alle impostazioni di fabbrica di default.

### Q4. Cosa posso fare se ho dimenticato la password della pagina di gestione web?

- Consultate la FAQ>Q3 per resettare il router e usate **admin** come username e password, oppure create una nuova password per il login.

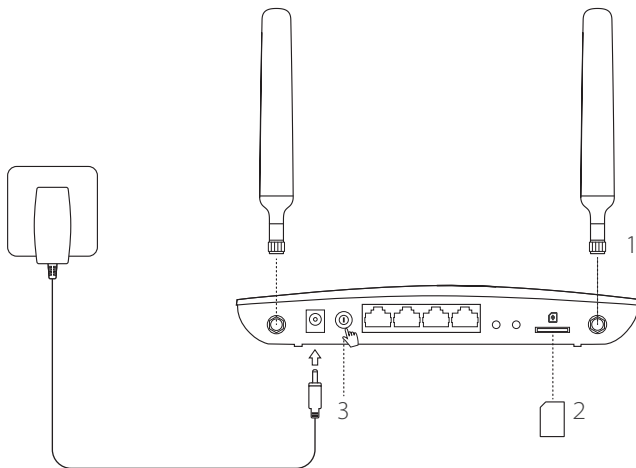
### Q5. Cosa posso fare se ho dimenticato la password wireless?

- La password wireless di default è stampata sull'etichetta presente sotto al router.
- Se la password wireless di default è stata modificata, fate login alla pagina di gestione web del router per recuperare o resettare la password.

**Nota:** Per maggiori informazioni sulla risoluzione dei problemi, consultate le FAQ nel sito web: <http://www.tp-link.it>.



## Ligar o Hardware



- 1 Instale as antenas 4G LTE e posicione-as para cima.
- 2 Insira o cartão SIM na ranhura para cartões até ouvir o som de um click.
- 3 Ligue o Router.



### Disfrute da Internet!

Ligue o seu dispositivo ao Router (via cabo de rede ou por Wi-Fi).

O SSID e senhas predefinidas estão impressas na etiqueta na base do Router.

## Personalizar o Router 4G LTE

- 1 Certifique-se que o seu computador está ligado ao Router (via cabo de rede ou por Wi-Fi).
- 2 Introduza **<http://tplinkmodem.net>** ou **192.168.1.1** na barra de endereços do seu Navegador Web. Conforme a página atual de login: utilize por defeito **admin** no campo de Nome de Utilizador (username) e password ou crie uma nova password para Início de sessão.
- 3 Siga as instruções passo-a-passo do **Quick Setup (Guia Rápido de Configuração)** para completar a configuração inicial.

**Nota:** O router poderá ser igualmente utilizado (ou configurado) em modo Router Wireless para ligações ADSL/Cabo. Para mais informações, consulte o Guia de Utilizador em **[www.tp-link.pt](http://www.tp-link.pt)**.

## FAQ(Perguntas Frequentes)

### Q1. O que poderei fazer se a página de login não estiver disponível?

- Verifique se o seu dispositivo está configurado para obter um endereço IP automaticamente a partir do Router.
- Verifique se introduziu corretamente o endereço **<http://tplinkmodem.net>** ou **<http://192.168.1.1>** no seu Navegador Web.
- Utilize outro Navegador Web e tente novamente.
- Reinicie o seu Router e tente novamente.
- Desative e de seguida ative a interface de rede do seu computador e tente novamente.

### Q2. O que fazer caso não consiga aceder à internet?

- Certifique-se que o seu cartão SIM é compatível com redes LTE, WCDMA ou GSM.

- Certifique-se que o seu cartão SIM está numa área de rede do seu ISP.
- Certifique-se que o seu cartão SIM tem crédito suficiente para usufruir do seu serviço de dados.
- Verifique a ligação de LAN:  
 Introduza o endereço **http://tplinkmodem.net** ou **192.168.1.1** na barra de endereços do seu Navegador Web. Se a página de Login não for exibida, consulte o FAQ > Q1 e tente novamente.
- Verifique os parâmetros do seu ISP:
  - 1 Utilize um Navegador Web e faça o Login na página Web de gestão do produto.
  - 2 Verifique se os parâmetros fornecidos pelo seu ISP estão corretamente introduzidos. Se os parâmetros estiverem incorretos, crie um novo perfil com os parâmetros corretos.
- Verifique as configurações do PIN:
  - 1 Utilize um Navegador Web e faça o Login na página Web de gestão do produto.
  - 2 Verifique se o PIN é requisitado. Se sim, introduza o PIN correto fornecido pelo seu ISP.
- Consulte o Limite de Dados:
  - 1 Utilize um Navegador Web e faça o Login na página Web de gestão do produto.
  - 2 Verifique se o total de dados utilizados excede a quota permitida. Se sim, corrija o valor da quota permitida e defina o valor do total de dados utilizados para 0, ou desative o limite de dados.
- Verifique os dados Móveis:
  - 1 Utilize um Navegador Web e faça o Login na página Web de gestão do produto.
  - 2 Ative os dados móveis para aceder à internet.
- Verifique as definições de Roaming de Dados:
  - 1 Confirme com o seu ISP se está numa zona de serviço Roaming. Se sim, utilize um Navegador Web e faça o Login na página Web de gestão do produto.
  - 2 Ative os dados em Roaming para aceder à internet.



### Q3. Como repor as definições de fábrica do Router?

- Com o Router ligado, pressione o botão **WPS/RESET** na parte traseira do router até o LED Power começar a piscar. As configurações serão repostas e o router irá reiniciar automaticamente.
- Inicie a sessão na página Web de gestão do Router e reponha as definições de fábrica.

### Q4. O que fazer caso tenha perdido a senha da interface web de gestão?

- Consulte o FAQ>Q3 para repor as definições do Router e utilize **admin** nos campos username e password ou crie uma nova password para iniciar a sessão.

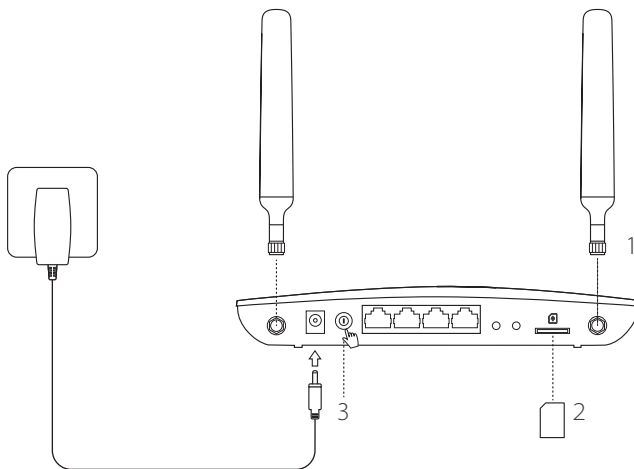
### Q5. O que fazer caso tenha perdido a senha da rede Wi-Fi?

- A senha Wi-Fi predefinida está impressa na etiqueta na base do Router.
- Se a senha predefinida tiver sido alterada, inicie a sessão na página Web de gestão do router por forma a obter ou repor a senha da rede Wi-Fi.

**Nota:** Para suporte adicional, por favor consulte o FAQ no nosso Website: <http://www.tp-link.pt>.



# Laitteiston kytkeminen



- 1 Asenna 4G LTE -antennit ja suuntaa ne ylöspäin.
- 2 Aseta SIM-kortti paikoilleen siten, että kuulet napsahduksen.
- 3 Kytke reititin päälle.



## Nauti Internetistä!

Kytke laite reitittimeen (langallisesti tai langattomasti).

Oletus-SSID ja -salasana on painettu reitittimen pohjaan liimattuun tuotetarraan.

## 4G LTE -reitittimen mukauttaminen

- 1 Varmista, että tietokone on kytketty reitittimeen (langallisesti tai langattomasti).
- 2 Kirjoita internet-selaimen osoiterifille **<http://tplinkmodem.net>** tai **192.168.1.1**. Verkonhallinnan todelliseen kirjautumissivuun perustuen: käytä sekä käyttäjätunnuksena että salasana oletusarvoa **admin** tai kirjaudu luomalla uusi salasana.
- 3 Suorita ensikonfigurointi loppuun noudattamalla **Quick Setup (Pika-asennus)** -sivun vaiheittaisia ohjeita.

**Huomautus:** Reititintä voidaan myös käyttää (tai määrittää) langattoman reitittimen tilassa ADSL/kaapeliliitännöille. Lisätietoja on osoitteessa [www.tp-link.com](http://www.tp-link.com) olevassa käyttöoppaassa.

## FAQ (usein kysytyt kysymykset)

### K1. Mitä voin tehdä, jos kirjautumissivu ei avaudu?

- Tarkista, että tietokone on määritetty hankkimaan IP-osoitteen automaattisesti reitittimeltä.
- Tarkista, että internet-selaimessa lukee **<http://tplinkmodem.net>** tai **192.168.1.1**.
- Käytä toista Internet-selainta ja yritä uudelleen.
- Käynnistä reititin uudestaan ja yritä uudelleen.
- Poista aktiivinen verkkosovitin käytöstä ja ota se taas käyttöön ja yritä sitten uudelleen.

### K2. Mitä voin tehdä, jos en pysty käyttämään internetiä?

- Tarkista, että SIM-kortti on LTE-, WCDMA- tai GSM-kortti.
- Tarkista, että SIM-kortti on ISP:n katealueella.
- Tarkista, että SIM-kortilla on riittävästä krediittiä.

- Tarkista LAN-yhteys:  
Kirjoita internet-selaimen osoiteriville <http://tplinkmodem.net> tai 192.168.1.1. Jos kirjautumissivu ei avaudu, viittaa kohtaan FAQ > K1 ja yritä sitten uudelleen.
- Tarkista ISP-parametrit:
  - 1 Avaa internet-selain ja kirjaudu internet-hallintasivulle.
  - 2 Tarkista, että ISP:n antamat parametrit on syötetty oikein. Jos parametrit ovat virheelliset, luo uusi profiili oikein parametrein.
- Tarkista PIN-koodiasetukset:
  - 1 Avaa internet-selain ja kirjaudu internet-hallintasivulle.
  - 2 Tarkista, tarvitaanko PIN-koodia. Jos tarvitaan, anna ISP:n antama PIN.
- Tarkista tiedonsiirtorajoitus:
  - 1 Avaa internet-selain ja kirjaudu internet-hallintasivulle.
  - 2 Tarkista, ylittääkö käytetyn datayhteyden kokonaismäärä ylittää kokonaiskiintiön. Jos ylittää, korjaa kokonaiskiintiö ja aseta käytetyn datayhteyden kokonaismäärä nollassi tai poista tiedonsiirtorajoitus käytöstä.
- Tarkista mobiilidatayhteys:
  - 1 Avaa internet-selain ja kirjaudu internet-hallintasivulle.
  - 2 Ota mobiilidatayhteys käyttöön päästäksesi internetiin.
- Tarkista dataverkkovierailu:
  - 1 Tarkista ISP:ltä, oletko verkkovierailualueella. Jos olet, avaa internet-selain ja kirjaudu internet-hallintasivulle.
  - 2 Ota mobiilidatayhteys käyttöön päästäksesi internetiin.

### K3. Miten palautan reitittimen tehdasasetuksiin?

- Paina reitittimen ollessa päällä takapaneelissa olevaa **WPS/RESET**-painiketta, kunnes virran merkkivalo alkaa vilkkua.



Reititin palauttaa asetukset ja käynnistyy uudelleen automaattisesti.

- Kirjaudu reitittimen verkkohallintasivulle ja palauta reititin tehdasasetuksiin.

#### **K4. Mitä voin tehdä, jos olen unohtanut verkkohallintasivun salasanan?**

- Viittaa kohtaan FAQ>K3 reitittimen palauttamiseksi ja käytä sekä käyttäjätunnuksena että salasanana oletusarvoa **admin** tai kirjaudu luomalla uusi salasana.

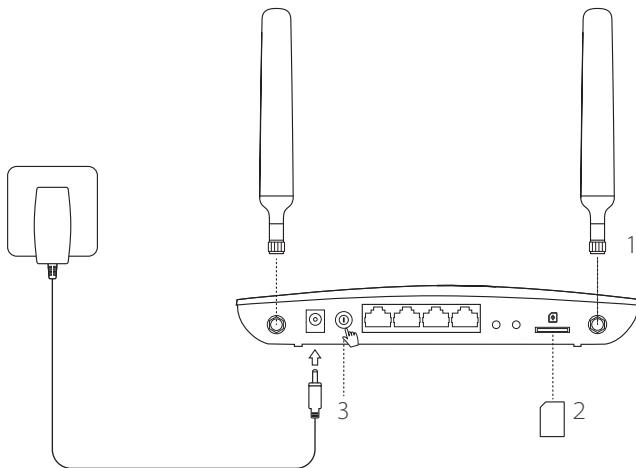
#### **K5. Mitä voin tehdä, jos unohdan langattoman verkon salasanan?**

- Langattoman verkon oletussalasana on painettu reitittimen tuotekilpeen.
- Jos langattoman verkon oletussalasana on vaihdettu, kirjaudu reitittimen verkkohallintasivulle ja palauta tai nollaa salasana.

**Huomautus:** Lisää vianmääritysapua on FAQ:ssa sivustollamme <http://www.tp-link.com>.



## Verbind de hardware



- 1 Installeer de 4G LTE antennes en positioneer ze naar boven.
- 2 Plaats de SIM kaart in het slot totdat u een klik hoort.
- 3 Schakel de router in.



### Geniet van het internet!

Verbind uw apparaten met de router (bedraad of draadloos).

Het standaard SSID en wachtwoord staan afgedrukt op de product sticker die zich op de onderkant van uw router bevindt.

## Pas de 4G LTE router aan

- 1 Wees er zeker van dat uw computer verbonden is met de router (bedraad of draadloos).
- 2 Voer in een adresbalk van een web browser **<http://tplinkmodem.net>** of **192.168.1.1** in. Gebaseerd op het werkelijke web beheerders login pagina: gebruikt u het standaard **admin** voor zowel de gebruikersnaam en het wachtwoord of creër een nieuw wachtwoord om in te loggen.
- 3 Volg de stap-voor-stap instructies op de **Snelle Installatie** pagina om de initiële configuratie te voltooien.

**Opmerking:** De router kan ook gebruikt (of geconfigureerd) worden als draadloze router modus voor ADSL/Kabel verbindingen. Voor meer informatie, raadpleeg de gebruikershandleiding op [www.tp-link.com](http://www.tp-link.com).

## FAQ (Veelgestelde vragen)

### Q1. Wat kan ik doen als de login pagina niet verschijnt?

- Verifieer dat de computer ingesteld staat op automatisch een IP adres laten toewijzen van de router
- Verifieer dat **<http://tplinkmodem.net>** of **192.168.1.1** correct is ingevoerd in de web browser.
- Gebruik een andere web browser en probeer het opnieuw.
- Herstart uw router en probeer het opnieuw.
- Schakel de actieve netwerkadapter uit en daarna weer in en probeer het opnieuw.

### Q2. Wat kan ik doen als ik geen toegang tot het internet heb?

- Verifieer dat uw SIM kaart een LTE, WCDMA of GSM kaart is.
- Verifieer dat uw SIM kaart in uw ISP service gebied is.
- Verifieer dat uw SIM kaart voldoende tegoed heeft.

- Controleer uw LAN verbinding:  
Voer **http://tplinkmodem.net** of **192.168.1.1** in in de adresbalk van een web browser. Wanneer de login pagina niet verschijnt, raadpleeg dan FAQ > Q1 en probeer het daarna opnieuw.
- Controleer uw ISP parameters:
  - 1 Open een web browser en log in op de webconfiguratie pagina.
  - 2 Verifiëer of de parameters voorzien door uw ISP correct zijn ingevoerd. Wanneer de parameters niet correct zijn, creëer een nieuw profiel met de juiste parameters.
- Controleer de PIN instellingen:
  - 1 Open een web browser en log in op de webconfiguratie pagina.
  - 2 Verifiëer of PIN vereist is. Zo ja, voer dan de juiste PIN in voorzien door uw ISP.
- Controleer het Data Limiet:
  - 1 Open een web browser en log in op de webconfiguratie pagina.
  - 2 Verifiëer of het totaal verbruikte data de totale toelage overschrijdt. Zo ja, verbeter de totale toelage en stel het totaal verbruikte data in op 0, of schakel data limiet uit.
- Controleer de Mobiele Data:
  - 1 Open een web browser en log in op de webconfiguratie pagina.
  - 2 Schakel de mobiele data in om toegang te krijgen tot het internet.
- Controleer Data Roaming:
  - 1 Bevestig met uw ISP of u in een roaming service gebied bent. Indien u dat bent, open een web browser en log in op de webconfiguratie pagina.
  - 2 Schakel data roaming in om toegang te krijgen tot het internet.



### Q3. Hoe kan ik de router herstellen naar zijn fabrieksinstellingen?

- Met de router ingeschakeld, houdt de **WPS/RESET** knop op het achter paneel van de router ingedrukt totdat de Power LED begint te knipperen. De router zal gereset worden en automatisch herstarten.
- Log in op de webconfiguratie pagina van de router om de router te herstellen naar zijn fabrieksinstellingen.

### Q4. Wat kan ik doen als ik mijn wachtwoord van de webconfiguratie pagina vergeten ben?

- Raadpleeg FAQ>Q3 om de router te herstellen naar de fabrieksinstellingen en gebruik **admin** voor zowel de gebruikersnaam en het wachtwoord of creëer een nieuw wachtwoord om in te loggen.

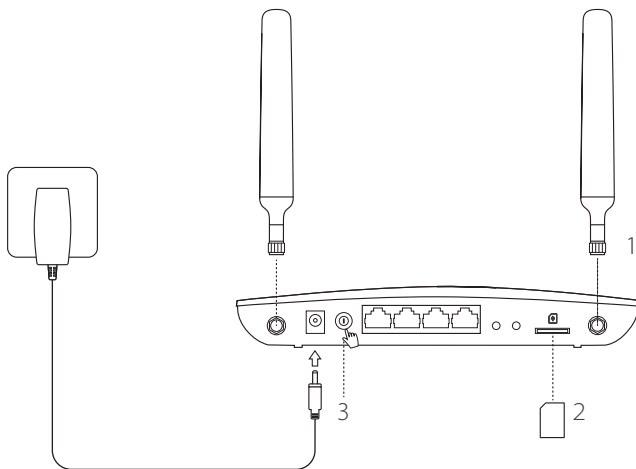
### Q5. Wat kan ik doen als ik mijn draadloze wachtwoord vergeten ben?

- Het standaard draadloze wachtwoord staat afgedrukt op de product sticker van de router.
- Als het standaard draadloze wachtwoord gewijzigd is, log in op de router's webconfiguratie pagina om uw wachtwoord te achterhalen of om uw wachtwoord te herstellen.

**Opmerking:** Voor meer probleemoplossingen, raadpleeg de FAQ op onze website: <http://www.tp-link.com>.



# Anslut hårdvara



- 1 Installera 4G LTE antenner och placera dem uppåt.
- 2 Sätt i SIM-kortet i kortplatsen tills du hör ett klick.
- 3 Slå på routern.



## Njut av Internet!

Anslut enheten till routern  
(Trådbundet eller trådlöst).

Standard SSID och lösenord står på produktetiketten på routerns undersida.

## Konfigurera 4G LTE-routern

- 1 Se till att datorn är ansluten till routern (via trådbundet eller trådlöst).
- 2 Ange **http://tplinkmodem.net** eller **192.168.1.1** i adressfältet i en webbläsare. Baserat på den aktuella webbhanteringsinloggningssida: använd standard **admin** för både användarnamn och lösenord eller skapa ett nytt lösenord för att logga in.
- 3 Följ steg-för-steg-instruktioner på **Quick Setup** (snabbinställning) för att slutföra den första konfigurationen.

Obs: Routern kan även användas (eller konfigureras) i trådlös router läge för ADSL / Kabelanslutningar. För mer information, se användarhandboken på [www.tp-link.com](http://www.tp-link.com).

## VANLIGA FRÅGOR

### Q1. Vad kan jag göra om inloggningssidan inte visas?

- Kontrollera att datorn är inställd på att erhålla en IP-adress automatiskt från routern.
- Kontrollera att **http://tplinkmodem.net** eller **192.168.1.1** är korrekt i webbläsaren.
- Använd en annan webbläsare och försök igen.
- Starta din router och försök igen.
- Inaktivera och sedan aktivera det aktiva nätverksadaptren och försök igen.

### Q2. Vad kan jag göra om jag inte kan ansluta till internet?

- Kontrollera att SIM-kortet är en LTE, WCDMA eller GSM-kort.
- Kontrollera att SIM-kortet är i ISP: s serviceområde.
- Kontrollera att SIM-kortet har tillräcklig kredit.

- Kontrollera LAN-anslutning:  
Ange <http://tplinkmodem.net> eller **192.168.1.1** i adressfältet i en webbläsare. Om inloggningssidan inte visas, se FAQ> Q1 och sedan försöka igen.
- Kontrollera ISP parametrar:
  - 1 Öppna en webbläsare och logga in på webbhanteringssidan.
  - 2 Kontrollera parametrarna som tillhandahålls av internetleverantören har skrivits in korrekt. Om parametrarna är felaktiga, skapa en ny profil med rätt parametrar.
- Kontrollera PIN-inställningar:
  - 1 Öppna en webbläsare och logga in på webbhanteringssidan.
  - 2 Kontrollera om PIN krävs. Om det är, ange rätt PIN-kod från din internetleverantör.
- Kontrollera Data Limit:
  - 1 Öppna en webbläsare och logga in på webbhanteringssidan.
  - 2 Kontrollera att den totala använda data inte överstiger den totalt tillåtna. Om så är fallet, ändra den totalt använda data till 0, eller inaktivera datagränsen.
- Kontrollera mobil data:
  - 1 Öppna en webbläsare och logga in på webbhanteringssidan.
  - 2 Aktivera mobil data för att komma åt internet.
- Kontrollera Data Roaming:
  - 1 Kontrollera med din internetleverantör om du är i ett roamingtjänst område. Om du är, öppna en webbläsare och logga in på webbhanteringssidan.
  - 2 Aktivera dataroaming att ansluta till internet.



### Q3. Hur återställer man routern till fabriksinställningarna?

- Med routern påslagen, tryck och håll **WPS/RESET**-knappen på baksidan av routern tills strömlysdioden börjar blinka. Routern kommer automatiskt att återställa och starta om.
- Log in to the web management page of the router to restore the router to its factory defaults.

### Q4. Vad kan jag göra om jag glömmer lösenordet för webbhanteringssidan?

- Se FAQ> Q3 att återställa routern och använd **admin** för både användarnamn och lösenord eller skapa ett nytt lösenord för att logga in.

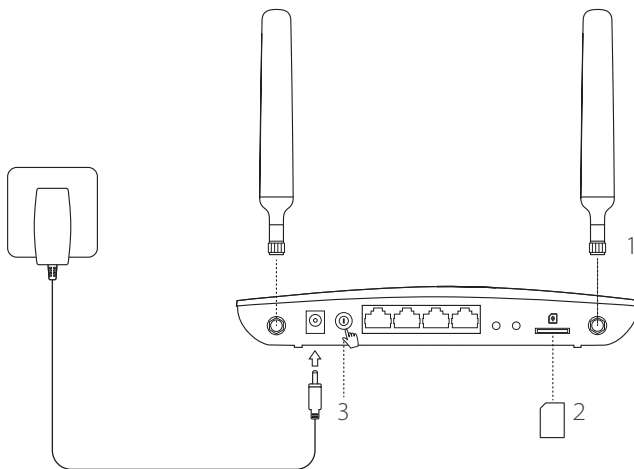
### Q5. Vad kan jag göra om jag glömmer mitt trådlösa nätverk lösenord?

- Standard trådlösa lösenord står på produktetiketten av routern.
- Om standard trådlösa lösenordet har ändrats, logga in på routerns webbhanteringssida för att hämta eller återställa ditt lösenord.

Obs! Mer felsökning hjälp, se FAQ på vår hemsida: <http://www.tp-link.com>.



## Koble til maskinvare



- 1 Installer 4G LTE-antennene og posisjoner dem oppover.
- 2 Sett inn SIM-kortet i sporet inntil du hører et klikk.
- 3 Slå på ruterens.



### Nyt Internett-tilgangen!

Koble enheten til ruterens (kablet eller trådløst).

Standard SSID og passord er trykt på produktmerket på undersiden av ruterens.

## Tilpass 4G LTE-ruteren

- 1 Sørg for at datamaskinen er koblet til ruteren (kablet eller trådløst)
- 2 Skriv inn **<http://tplinkmodem.net>** eller **192.168.1.1** i adresselinjen i en nettleser. Basert på faktisk innloggingsside for administrasjonssiden: Bruk standard brukernavn/passord **admin** eller opprett et nytt passord for å logge inn.
- 3 Følg instruksjonene trinn for trinn i **Quick Setup**-siden for å fullføre førstegangskonfigurasjonen.

**Merk:** Ruteren kan også brukes (konfigureres) i trådløs rutermodus for ADSL/kabel-tilkoblinger. Du finner mer informasjon i brukerhåndboken på [www.tp-link.com](http://www.tp-link.com).

## FAQ (vanlige spørsmål)

### S1. Hva gjør jeg dersom innloggingssiden ikke vises?

- Kontroller at datamaskinen er konfigurert til å motta IP-adresse automatisk fra ruteren.
- Kontroller at **<http://tplinkmodem.net>** eller **192.168.1.1** er riktig skrevet inn i nettleseren.
- Bruk en annen nettleser og prøv igjen.
- Start ruteren på nytt og prøv igjen.
- Deaktiver og deretter aktiver nettverksadapteret på nytt, og prøv igjen.

### S2. Hva gjør jeg dersom jeg ikke klarer å koble meg til Internett?

- Kontroller at SIM-kortet er et LTE-, WCDMA- eller GSM-kort.
- Kontroller at SIM-kortet befinner seg i et område hvor Internettleverandøren din har dekning.

- Kontroller at SIM-kortet ditt har tilstrekkelig saldo.
- Sjekk LAN-tilkoblingen:  
Skriv inn **http://tplinkmodem.net** eller **192.168.1.1** i adresselinjen i en nettleser. Hvis innloggingssiden ikke vises, kan du se Vanlige spørsmål > S1 og deretter prøve på nytt.
- Sjekk ISP-parametrene:
  - 1 Åpne en nettleser og logg inn på administrasjonssiden.
  - 2 Kontroller at parametrene fra Internettleverandøren er skrevet riktig inn. Hvis parametrene er feil, oppretter du en ny profil med riktige parametre.
- Kontroller PIN-innstillingene:
  - 1 Åpne en nettleser og logg inn på administrasjonssiden.
  - 2 Sjekk at PIN er påkrevd. Hvis du har fått informasjonen av din Internettleverandør, skriver du inn denne.
- Sjekk datagrensen:
  - 1 Åpne en nettleser og logg inn på administrasjonssiden.
  - 2 Kontroller om totale data brukt overskrider maksgrensen for data. Hvis det gjør det, korrigerer du totalgrensen for tillatt data og stiller inn totale data brukt til 0, eller deaktiverer datagrensen.
- Sjekk mobildata:
  - 1 Åpne en nettleser og logg inn på administrasjonssiden.
  - 2 Aktiver mobildata for å få tilgang til Internett.
- Sjekk innstillingene for Dataroaming:
  - 1 Sjekk med Internettleverandøren din om du befinner deg i et roamingområde. Hvis du gjør det, kan du åpne en nettleser og logge inn på administrasjonssiden.
  - 2 Aktiver dataroaming for å få tilgang til Internett.



### S3. Hvordan gjenopprette ruteren til fabrikkinnstillingene?

- Med ruteren påslått, trykker og holder du **WPS/RESET**-knappen inne på baksiden av ruterens, inntil strømlampen begynner å blinke. Ruterens vil gjenopprettes og omstartes automatisk.
- Logg inn på ruterens administrasjonsside for å gjenopprette ruterens til fabrikkinnstillinger.

### S4. Hva gjør jeg dersom jeg glemmer passordet for administrasjonssiden?

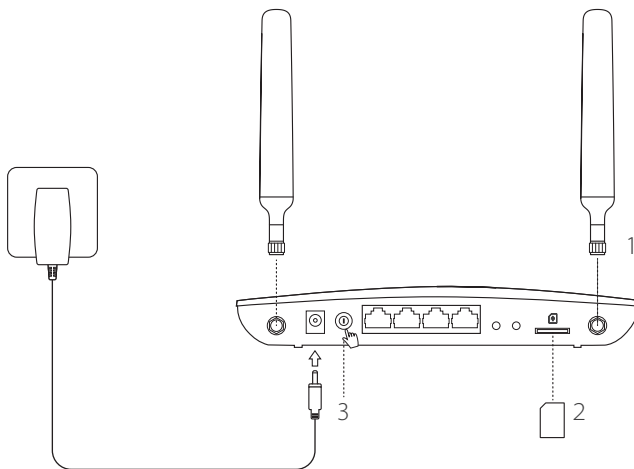
- Se Vanlige spørsmål > S3 for å gjenopprette og bruke standard brukernavn/passord **admin** eller opprette et nytt passord for å logge inn.

### S5. Hva gjør jeg dersom jeg glemmer trådløst nettverk-passordet?

- Standard trådløst passord er trykt på produktmerket på undersiden av ruterens.
- Hvis standard trådløst passord har blitt endret, logger du inn på ruterens administrasjonsside for å finne eller tilbakestille passordet.

**Merk:** For mer feilsøkingshjelp kan du se Vanlige spørsmål-sidene på nettsiden vår: <http://www.tp-link.com>.

## Tilslut hardwaren



- 1 Installer 4G LTE antenner og placer dem opad.
- 2 Sæt SIM-kortet ind i slottet, indtil du hører et klik.
- 3 Tænd for routeren.



### Nyd internettet!

Tilslut enheden til routeren (kabel eller trådløst).

Standard SSID og adgangskode er trykt på etiketten i bunden af routeren.

## Tilpas 4G LTE-routeren

- 1 Sørg for at computeren er forbundet til routeren (via kabel eller trådløst).
- 2 Indtast **http://tplinkmodem.net** eller **192.168.1.1** i adresselinjen i webbrowseren. Baseret på den faktiske loginside for administration: brug **admin** til både brugernavn og adgangskode, eller opret en ny adgangskode for at logge ind.
- 3 Følg trin for trin instruktionerne på siden **Quick Setup (hurtig opsætning)** for at fuldføre den indledende konfiguration.

**Bemærk:** Routeren kan også bruges (eller konfigureres) som trådløs router til ADSL/Kabel-forbindelser. For mere information henvises til brugervejledningen på [www.tp-link.com](http://www.tp-link.com).

## OFTE STILLEDE SPØRGSMÅL

### Sp1. Hvad kan jeg gøre hvis loginside ikke vises?

- Kontroller, at computeren er indstillet til automatisk at hente en IP-adresse fra routeren.
- Kontrollér at **http://tplinkmodem.net** eller **192.168.1.1** er indtastet korrekt i browseren.
- Brug en anden browser og prøv igen.
- Genstart din router og prøv igen.
- Deaktiver og aktiver derefter det aktive netværkskort og prøv igen.

### Sp2. Hvad kan jeg gøre, hvis jeg ikke kan få adgang til internettet?

- Kontroller at SIM-kortet er et LTE-, WCDMA- eller GSM-kort.
- Kontroller at SIM-kortet er i området for internetudbyderen.

- Kontroller at SIM-kortet har tilstrækkelig kredit.
- Kontroller LAN-forbindelsen:  
Indtast **http://tplinkmodem.net** eller **192.168.1.1** i adresselinjen i webbrowseren. Hvis loginsiden ikke vises, henvises til Ofte stillede spørgsmål > Sp1 og prøv derefter igen.
- Tjek din internetudbyders parametre:
  - 1 Åbn en webbrowser og log på administrationssiden.
  - 2 Kontrollér at parametrene fra din internetudbyder er korrekt udfyldt. Hvis parametrene er forkerte, skal du oprette en ny profil med de rigtige parametre.
- Kontrollér PIN-kodeindstillingerne:
  - 1 Åbn en webbrowser og log på administrationssiden.
  - 2 Kontrollér om PIN-koden er påkrævet. Hvis den er, skal du indtaste den korrekte PIN-kode, som du har fået af din internetudbyder.
- Kontroller datagrænsen:
  - 1 Åbn en webbrowser og log på administrationssiden.
  - 2 Kontroller om samlet data brugt overstiger de samlede udgifter. Hvis den gør det, skal de samlede udgifter og sættet af samlet data brugt til 0, eller deaktivér datagrænsen.
- Kontroller mobil data:
  - 1 Åbn en webbrowser og log på administrationssiden.
  - 2 Aktiverer mobil data for adgang til internettet.
- Kontroller dataroaming:
  - 1 Bekræft med din internetudbyder, om du er i et roaming-serviceområde. Hvis du er skal du åbne en webbrowser og logge på administrationssiden.
  - 2 Aktiverer dataroaming for adgang til internettet.



### Sp3. Hvordan gendanner man routeren til dens fabriksindstillinger?

- Med routeren tændt, tryk på og hold knappen **WPS/RESET** på bagpanelet af routeren, indtil lysdioden for strøm begynder at blinke. Routeren vil genoprette og genstarte automatisk.
- Log på routerens administrationsside for at gendanne routeren til fabriksindstillingerne.

### Sp4. Hvad kan jeg gøre, hvis jeg glemmer adgangskoden til administrationssiden?

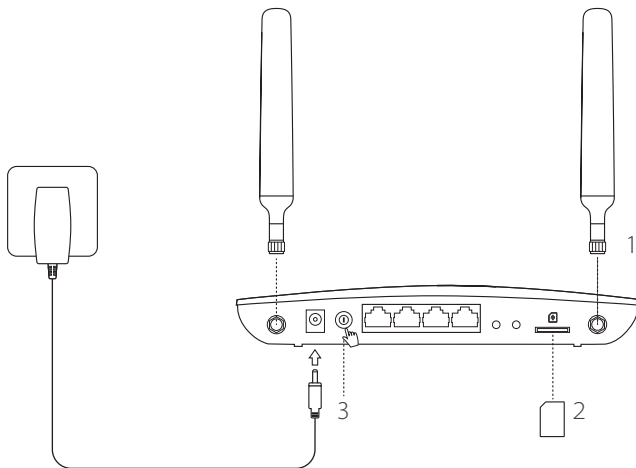
- Se Ofte stillede spørgsmål > Sp3 om at genoprette routeren og brug **admin** til både brugernavn og adgangskode eller opret en ny adgangskode til at på med.

### Sp5. Hvad kan jeg gøre, hvis jeg glemmer min adgangskode til det trådløst netværk?

- Standard trådløs adgangskode er trykt på routerens etiket.
- Hvis den trådløse adgangskode er blevet ændret, så log på routerens administrationsside for at hente eller nulstille din adgangskode.

**Bemærk:** For mere hjælp til fejlfinding, se Ofte stillede spørgsmål på vores hjemmeside: <http://www.tp-link.com>.

## Aygıt Bağlantısı



- 1 4G LTE antenleri takın ve pozisyonlarını yukarıya doğru ayarlayın.
- 2 Tık sesi duyana kadar SIM kartı slotuna yerleştirin.
- 3 Router'ı çalıştırın.



### İnternet'in keyfini sürün!

Cihazınızı router'a bağlayın (kablolu veya kablosuz).

Varsayılan SSID ve şifre (password) router'ın altındaki ürün etiketinde yazmaktadır.

## 4G LTE Router'ı Yapılandırma

- 1 Bilgisayarınızın router'a bağlı olduğundan emin olunuz (kablolu veya kablosuz olarak).
- 2 Web tarayıcısının adres çubuğunda <http://tplinkmodem.net> veya **192.168.1.1** giriniz. Web yönetim sayfasından oturum açmak için: username (kullanıcı adı) ve password (şifre) alanlarına admin yazınız veya yeni bir şifre yazarak giriş yapınız.
- 3 Aygıtı ilk kez yapılandırıcaksanız, **Quick Setup (Hızlı Kurulum)** s ayfasındaki yönergeleri adım adım takip ediniz.

**Uyarı:** Bu router ayrıca, kablosuz router modunda DSL/Kablo/Fiber veya diğer Ethernet üzerinden sağlanan Internet bağlantıları için kullanılabilir (veya yapılandırılabilir). Daha fazla bilgi için, [www.tp-link.com.tr](http://www.tp-link.com.tr) ad resindeki Kullanım Kılavuzu'na başvurunuz.

## SSS (Sıkça Sorulan Sorular)

### S1. Oturum açma (login) sayfası görüntülenmiyorsa ne yapabilirim?

- Bilgisayarın, router'dan otomatik olarak bir IP adresi alacak şekilde ayarlı olduğundan emin olunuz.
- Web tarayıcısının adres çubuğunda <http://tplinkmodem.net> veya **192.168.1.1** adresini doğru bir şekilde girdiğinizden emin olunuz.
- Başka bir web tarayıcı kullanın ve tekrar deneyiniz.
- Router'ı yeniden başlatın ve tekrar deneyiniz.
- Ağ adaptörünü devre dışı bırakıp tekrar etkinleştirin ve tekrar deneyiniz.

### S2. Internet'e erişemiyorsam ne yapabilirim?

- SIM kartınızın LTE, WCDMA veya GSM destekli olduğundan emin olunuz.

- Mobil operatörünüzün servis alanı içinde olduğunuzdan emin olunuz.
- Mobil hattınızda yeterli kredi olduğundan emin olunuz.
- LAN bağlantınızı kontrol ediniz :  
Web tarayıcının adres çubuğunda **http://tplinkmodem.net** veya **192.168.1.1** giriniz. Oturum açma penceresi görüntülenmiyorsa, SSS > S1'e başvurunuz ve tekrar deneyiniz.
- ISS parametrelerinizi (ISP parameters) kontrol ediniz :
  - 1 Web tarayıcınızı açın ve web yönetim sayfasında oturum açınız.
  - 2 ISS'nız tarafından sağlanan parametrelerin doğru bir şekilde girildiğinden emin olunuz. Parametrelerde bir eksiklik varsa, doğru parametreler ile yeni bir profil oluşturunuz.
- PIN Ayarlarını (PIN Settings) Kontrol Ediniz :
  - 1 Web tarayıcınızı açın ve web yönetim sayfasında oturum açınız.
  - 2 PIN gerekli olup olmadığından emin olunuz. Eğer PIN girmeniz gerekiyorsa, mobil hattınıza tanımlı PIN kodunu giriniz.
- Veri Kullanımınızı (Data Limit) Kontrol Ediniz :
  - 1 Web tarayıcınızı açın ve web yönetim sayfasında oturum açınız.
  - 2 **Toplam Kullanılan Veri**'nin (Total Used Data), **Toplam İzin Verilen** (Total Allowance) değerleri aşmadığından emin olunuz. Eğer aşılmışsa, toplam izin verilen veri kapasitesini düzenleyin ve toplam **kullanılan veri**'yi "0" olarak ayarlayınız veya **veri limiti**'ni (Data Limit) devre dışı bırakınız.
- Mobil Veriyi (Mobile Data) Kontrol Ediniz :
  - 1 Web tarayıcınızı açın ve web yönetim sayfasında oturum açınız.
  - 2 Internet'e bağlanabilmek için mobil veri'yi (mobile data) etkinleştiriniz.
- Veri Dolaşımını (Data Roaming) Kontrol Ediniz :
  - 1 Dolaşım Servisi Alanı'nda (Roaming Service Area) olup olmadığını ISS'nıza doğrulattınız. Eğer bu servisi kullanabiliyorsanız, web tarayıcınızı açın ve web yönetim sayfasında oturum açınız.



2. İnternet'e bağlanabilmek için data roaming (veri dolaşım) servisini etkinleştiriniz.

### S3. Router'ı fabrika ayarlarına nasıl geri yükleyebilirim?

- Router çalışır durumdayken, arka panelindeki WPS/RESET butonuna Power LED (Güç LED)'i yanıp sönmeye başlayana kadar basılı tutunuz. Bu işlemin ardından router fabrika ayarlarına geri yüklenecek ve otomatik olarak yeniden başlatılacaktır.
- Router'ı fabrika ayarlarına geri yüklemek için web yönetim sayfasında oturum açınız.

### S4. Web yönetim sayfasının şifresini unutursam ne yapabilirim?

- Router'ı geri yüklemek için SSS>S3'e başvurunuz ve kullanıcı adı (username) ve password (şifre) alanlarına **admin** yazınız veya oturum açmak için yeni bir şifre oluşturunuz (create a new password).

### S5. Kablosuz ağ şifremi unutursam ne yapabilirim?

- Varsayılan kablosuz şifre router'ın ürün etiketinde yazılıdır.
- Varsayılan kablosuz şifreyi değiştirdiyseniz, şifreyi öğrenmek veya sıfırlamak için router'ın web yönetim sayfasına giriş yapınız.

Uyarı: Sorun giderme yardımı hakkında daha fazlası için, web sitemizdeki SSS'ye başvurunuz: <http://www.tp-link.com.tr>.

## **Deutsch**

### **Sicherheitsinformationen**

- Halten Sie das Gerät fern von Wasser, Feuchtigkeit, Feuer oder sehr warmen Umgebungen.
  - Versuchen Sie nicht, das Gerät auseinanderzunehmen oder zu manipulieren.
  - Verwenden Sie kein beschädigtes Ladegerät oder USB-Kabel, um Ihren Akku zu laden.
  - Verwenden Sie ausschließlich das empfohlene Ladegerät.
  - Betreiben Sie das Gerät nur an Orten, wo dies erlaubt ist.
  - Der Adapter muss in eine Steckdose nah am Gerät gesteckt werden und leicht zugänglich sein.
- Bitte folgen Sie diesen Anweisungen, wenn sie das Gerät betreiben. Bei unsachgemäßer Verwendung können wir nicht garantieren, dass keine Unfälle oder Schäden auftreten. Behandeln Sie das Gerät pfleglich und auf eigene Gefahr.

### **3 Jahre eingeschränkte Produktgarantie von TP-Link**

Nur für Original-TP-Link-Produkte.

DIESE GARANTIE VERLEIHT IHNEN BESTIMMTE RECHTE, DIE VON DEM VERKAUFLAND ABHÄNGIG SEIN KÖNNEN.

BIS ZU DEN GESETZLICHEN GRENZEN ERSETZEN DIESE GARANTIE UND DIESE HILFESTELLUNGEN ANDERSARTIGE GARANTIEEN, HILFESTELLUNGEN UND KONDITIONEN.

TP-Link garantiert für einen einwandfreien Zustand von originalverpackten TP-Link-Geräten hinsichtlich Funktion und Materialverarbeitung, normale Benutzung vorausgesetzt, über einen Zeitraum von 3 Jahren ab Kauf durch den Endverbraucher.

## **English**

### **Safety Information**

- Keep the device away from water, fire, humidity or hot environments.
  - Do not attempt to disassemble, repair, or modify the device.
  - Do not use damaged charger or USB cable to charge the device.
  - Do not use any other chargers than those recommended.
  - Do not use the device where wireless devices are not allowed.
  - Adapter shall be installed near the equipment and shall be easily accessible.
- Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

### **TP-Link Three Years Limited Product Warranty**

For TP-Link Branded Products Only.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE (OR BY COUNTRY OR PROVINCE). TO THE EXTENT ALLOWED BY LOCAL LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS.

TP-Link warrants the TP-Link branded hardware product contained in the original packaging against defects in materials and workmanship when used normally in according with TP-Link's guidelines for a period of THREE YEARS from the date of original retail purchase by the end-user purchaser.

## **Español**

### **Información de Seguridad**

- Mantenga el dispositivo fuera del agua, fuego, humedad o entornos calurosos.
- No intente desmontarlo, repararlo o modificar el dispositivo.

- No utilice para cargar el dispositivo cargadores o cables USB dañados.
  - No utilice cualquier otro cargador diferente al recomendado.
  - No utilice el dispositivo donde los dispositivos inalámbricos no están permitidos.
  - El adaptador debe ser instalado cerca del equipo y en un lugar de fácil acceso.
- Por favor lea y siga las indicaciones anteriores de seguridad cuando el dispositivo esté funcionando. No nos haremos responsables de posibles daños o accidentes que puedan ocurrir debido a un uso incorrecto del dispositivo. Por favor utilice este producto de manera correcta y bajo su propia responsabilidad.

### **Garantía limitada de 3 años para productos de TP-Link**

Sólo para productos que porten la marca TP-Link.

ESTA GARANTÍA LE CONFIERE DERECHOS LEGALES ESPECÍFICOS, Y ES POSIBLE QUE USTED DISPONGA DE OTROS DERECHOS, LOS CUALES PUEDEN VARIAR SEGÚN EL ESTADO (O SEGÚN EL PAÍS O PROVINCIA).

EN LA MEDIDA QUE LO PERMITA LA JURISDICCIÓN LOCAL, ESTA GARANTÍA Y LOS RECURSOS ESTABLECIDOS EN ELLA SON EXCLUSIVOS Y EN LUGAR DE CUALQUIER OTRA GARANTÍA, RECURSO Y CONDICIÓN.

TP-Link garantiza el producto de hardware que porta la marca TP-Link contenido en la caja original contra defectos en los materiales y mano de obra bajo condiciones normales de uso de acuerdo con las directrices de TP-Link por un periodo de TRES AÑOS desde la fecha original de compra en la tienda por parte del usuario final adquiriente.

## **Ελληνικά**

### **Πληροφορίες Ασφάλειας**

- Κρατήστε τη συσκευή μακριά από νερό, φωτιά, υγρασία ή ζεστά περιβάλλοντα.
- Μην επιχειρήσετε να αποσυναρμολογήσετε, επισκευάσετε ή τροποποιήσετε τη συσκευή.
- Αν ο φορτιστής ή το καλώδιο USB έχουν υποστεί βλάβη, μην τα χρησιμοποιήσετε για φόρτιση της συσκευής.
- Να μη χρησιμοποιήσετε άλλους φορτιστές εκτός από τους συνιστώμενους.
- Να μη χρησιμοποιήσετε τη συσκευή σε μέρη όπου απαγορεύεται η χρήση ασύρματων συσκευών.
- Το τροφοδότηκό θα πρέπει να συνδεθεί κοντά στη συσκευή και να είναι εύκολα προσβάσιμο.

Παρακαλούμε διαβάστε και ακολουθήστε τις παραπάνω πληροφορίες ασφάλειας κατά τη χρήση της συσκευής. Δεν μπορούμε να σας εγγυηθούμε ότι δεν θα υπάρξουν ατυχήματα ή βλάβες αν πραγματοποιήσετε λανθασμένη χρήση της συσκευής. Παρακαλούμε να είστε προσεκτικοί κατά τη χρήση του προϊόντος.

### **Περιορισμένη Εγγύηση TP-Link Τριών Ετών**

Μόνο για προϊόντα TP-Link.

ΑΥΤΗ Η ΕΓΓΥΗΣΗ ΣΑΣ ΔΙΝΕΙ ΣΥΓΚΕΚΡΙΜΕΝΑ ΝΟΜΙΚΑ ΔΙΚΑΙΩΜΑΤΑ, ΑΛΛΑ ΜΠΟΡΕΙ ΝΑ ΕΧΕΤΕ ΚΑΙ ΑΛΛΑ ΔΙΚΑΙΩΜΑΤΑ, ΑΝΑΛΟΓΑ ΜΕ ΤΗ ΝΟΜΟΘΕΣΙΑ ΤΟΥ ΤΟΠΟΥ ΚΑΤΟΙΚΙΑΣ ΣΑΣ (ΚΡΑΤΟΥΣ Ή ΠΕΡΙΟΧΗΣ).

ΑΥΤΗ Η ΕΓΓΥΗΣΗ ΚΑΙ ΟΙ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΕΙΝΑΙ ΑΠΟΚΛΕΙΣΤΙΚΕΣ - ΣΤΟ ΜΕΓΙΣΤΟ ΕΠΙΤΡΕΠΤΟ ΒΑΘΜΟ ΑΠΟ ΤΗΝ ΚΕΙΜΕΝΗ ΝΟΜΟΘΕΣΙΑ - ΚΑΙ Η ΠΑΡΟΥΣΑ ΕΓΓΥΗΣΗ ΥΠΕΡΚΕΙΤΑΙ ΟΛΩΝ ΤΩΝ ΑΛΛΩΝ ΕΓΓΥΗΣΕΩΝ, ΟΡΩΝ ΚΑΙ ΔΙΑΤΑΞΕΩΝ.

Η TP-Link σας εγγυάται ότι τα προϊόντα TP-Link που περιέχονται στην αρχική συσκευασία δεν θα παρουσιάσουν ελαττώματα ως προς τα υλικά και την κατασκευή – εφόσον χρησιμοποιηθούν σύμφωνα με τις οδηγίες της TP-Link – για ΤΡΙΑ ΧΡΟΝΙΑ από την ημερομηνία αγοράς από το κατάστημα λιανικής.

## **Français**

### **Consignes de sécurité**

- Maintenir l'appareil à l'écart de l'eau, du feu, de l'humidité ou de tout environnement chaud.
- Ne pas tenter de démonter, réparer ou modifier l'appareil.
- Ne pas utiliser un chargeur ou un cordon USB endommagé pour recharger l'appareil.

- Ne pas utiliser un chargeur différent de ceux recommandés.
- Ne pas utiliser l'appareil dans les zones où les communications sans-fil sont interdites.
- L'adaptateur doit être facilement accessible et se trouver à proximité de l'équipement.

Merci de lire et de suivre les instructions de sécurité ci-dessus avant d'utiliser l'appareil. Nous ne pouvons garantir qu'aucun accident ou dommage ne se produira en raison d'un usage incorrect de l'appareil. Merci d'utiliser cet appareil avec précaution, le non respect des consignes de sécurité est à vos risques et périls.

### **Garantie limitée de 3 ans TP-Link**

Concernes les produits de marque TP-Link uniquement.

CETTE GARANTIE VOUS DONNE DES DROITS SPECIFIQUES, ET VOUS POUVEZ AVOIR D'AUTRES DROITS

QUI PEUVENT VARIER D'UN ETAT, D'UN PAYS OU D'UNE PROVINCE A UNE AUTRE.

DANS LES LIMITES DU DROIT LOCAL, CETTE GARANTIE ET LES VOIES DE RECOURS SONT EXCLUSIVES

ET REMPLACENT TOUT AUTRES GARANTIES RECOURS ET CONDITIONS.

TP-Link garantit les matériels marqués TP-Link, conditionnés dans un emballage original : contre les défauts matériels et les malfaçons, s'ils sont utilisés normalement et selon les prescriptions de TP-Link, pour une durée de TROIS ANS à compter de la date d'achat par l'utilisateur final.

## **Italiano**

### **Informazioni di Sicurezza**

- Tenete il dispositivo lontano da acqua, fuoco, umidità e ambienti troppo caldi.
- Non provate a disassemblare, riparare o modificare il dispositivo.
- Non usate caricatori o cavi USB danneggiati per caricare il dispositivo.
- Non usate altri caricatori al di fuori di quelli consigliati.
- Non usate il dispositivo dove non è consentito l'uso di dispositivi wireless.
- L'adattatore dovrà essere installato vicino al dispositivo e facilmente accessibile.

Leggete e seguite le informazioni di sicurezza sopra indicate quando utilizzate il dispositivo. Non possiamo garantire che non accadano incidenti o danni se si usa in modo improprio il dispositivo. Utilizzate questo prodotto con cura e lo fate funzionare a vostro rischio.

### **Garanzia limitata 3 anni**

Esclusivamente per prodotti marchiati TP-Link.

LA PRESENTE GARANZIA CONFERISCE SPECIFICI DIRITTI LEGALI, IN AGGIUNTA AI DIRITTI PREVISTI DALLA LOCALE LEGISLAZIONE.

NEI LIMITI CONSENTITI DALLA LEGGE, LA PRESENTE GARANZIA ED I RIMEDI INDICATI SONO ESCLUSIVI ED IN LUOGO A TUTTE LE ALTRE GARANZIE, RIMEDI E CONDIZIONI.

TP-Link garantisce i soli prodotti hardware marchiati TP-Link venduti nella rispettiva confezione originale non compromessa ed utilizzati secondo le linee guida illustrate, per un periodo di 3 anni dalla data riportata sulla prova d'acquisto da parte dell'utente finale.

## **Português**

### **Informação de Segurança**

- Mantenha o dispositivo afastado da água, fogo, humidade e ambientes quentes.
- Não tente abrir, reparar ou modificar o dispositivo.
- Não utilize um carregador ou cabo USB danificado para carregar o dispositivo.
- Não utilize carregadores que não sejam os recomendados.
- Não utilize este dispositivo em locais onde dispositivos Wi-Fi não são autorizados.
- O adaptador deve ser instalado perto do equipamento e estar acessível.

Por favor leia e siga as instruções de segurança acima quando operar o dispositivo. Não é garantido que acidentes ou estragos

possam ocorrer devido à utilização incorreta do produto. Por favor utilize este produto corretamente.

### **Garantia Limitada de Produto TP-Link de 3 Anos**

Apenas para Produtos da Marca TP-Link.

ESTA GARANTIA DÁ-LHE DIREITOS LEGAIS ESPECÍFICOS E PODERÁ TER OUTROS DIREITOS QUE VARIAM ENTRE ESTADOS (OU ENTRE PAÍSES OU PROVÍNCIAS). ATÉ AO LIMITE PERMITIDO PELA LEI LOCAL, ESTA GARANTIA E OS RECURSOS ESTABELECIDOS NELA SÃO EXCLUSIVOS E SUBSTITUEM TODAS AS OUTRAS GARANTIAS, RECURSOS E CONDIÇÕES.

A TP-Link garante o produto de hardware da marca TP-Link contido na embalagem original contra defeitos nos materiais e na construção, quando utilizado em condições normais e de acordo com as orientações da TP-Link, por um período de TRÊS ANOS a contar a partir da data de compra pelo utilizador final.

## **Suomi**

### **Turvallisuutta koskevat tiedot**

- Pidä laite pois vedestä, tulesta, kosteudesta ja kuumasta ympäristöstä.
- Älä yritä purkaa, korjata tai muuntaa laitetta.
- Älä käytä vioittunutta laturia tai USB-kaapelia laitteen lataamiseen.
- Älä käytä muita kuin suositeltuja latureita.
- Älä käytä laitetta paikassa, missä ei sallita langattomia laitteita.

Sovitin asennetaan laitteiden lähelle ja helposti saataville.

Lue yllä olevat turvallisuuksiedot ja noudata niitä käyttäesssi laitetta. Emme voi taata, että laitteen virheellinen käyttö ei aiheuta onnettomuuksia tai vaurioita. Käytä tätä tuotetta varoen ja omalla vastuullasi.

### **TP-Link kolmen vuoden rajoitettu tuotetakuu**

Vain TP-Link-merkkiset tuotteet.

TÄMÄ TAKUU MYÖNTÄÄ KÄYTTÄJÄLLE TIETTYJÄ LAILLISIA OIKEUKSIA, JA HÄNELLÄ VOI OLLA MUITA OIKEUKSIA, JOTKA VAIHELEVAT OSAVALTIOITTAIN (TAI MAA- TAI ALUE-KOHTAISESTI).

SIINÄ MÄÄRIN KUIN LAKI SEN SALLII, TÄMÄ TAKUU JA SEN MUKAISET KORJAUSKEINOT OVAT YKSINOMIAISIA JA KORVAAVAT KAIKKI MUUT TAKUUT, KORJAUSKEINOT JA EHDOT.

TP-Link takaa, että TP-Link-merkinen laitteistotuote, joka saapui alkuperäisessä pakkauksessa, ei sisällä materiaali- eikä valmistusvirheitä normaalisissa, TP-Linkin ohjeiden mukaisessa käytössä, KOLMENA VUOTENA siitä päivämäärästä, jona loppukäyttäjä sen alun perin hankki.

## **Nederlands**

### **Veiligheidsinformatie**

- Houd het apparaat uit de buurt van water, vuur, vochtigheid of warme omgevingen.
  - Probeer het apparaat niet te demonteren, repareren of aan te passen.
  - Gebruik geen beschadigde lader of USB-kabel om het apparaat op te laden.
  - Gebruik geen andere laders dan de aanbevolen laders.
  - Gebruik het apparaat niet waar draadloze apparaten niet toegestaan zijn.
  - De adapter moet dicht bij de apparatuur worden geïnstalleerd en moet gemakkelijk toegankelijk zijn.
- Lees en volg bovenstaande veiligheidsinformatie tijdens het gebruik van het apparaat. Wij kunnen niet garanderen dat er geen ongelukken of schade kan optreden als gevolg van onjuist gebruik van het apparaat. Gebruik dit product met zorg en gebruik op eigen risico.

### **TP-Link 3-jarige beperkte productgarantie**



Geldt alleen voor producten van het merk TP-Link.

DEZE GARANTIE GEEFT U SPECIEFIEKE WETTELIJKE RECHTEN EN U KUNT NOG ANDERE RECHTEN HEBBEN, DIE PER LAND (OF PER PROVINCIE) KUNNEN VERSCHILLEN. VOOR ZOVER TOEGESTAAN DOOR DE PLAATSELIJKE WETGEVING ZIJN DEZE GARANTIE EN HET VERMEDELDE VERHAAL EXCLUSIEF EN KOMEN DIE IN DE PLAATS VAN ALLE ANDERE GARANTIES, VERHALEN EN VOORWAARDEN.

TP-Link geeft garantie op het hardware product van het merk TP-Link in de originele verpakking voor gebreken in materialen en fabricage indien normaal gebruikt in overeenstemming met de richtlijnen van TP-Link gedurende een periode van DRIE JAAR na de oorspronkelijke datum van aanschaf via de detailhandel door de eindgebruiker-koper.

## Svenska

### Säkerhetsinformation

- Håll enheten borta från vatten, eld, fukt eller varma miljöer.
- Försök inte att montera isär, reparera eller modifiera enheten.
- Använd inte skadad laddare eller USB-kabel för laddning av enheten.
- Använd inte någon annan laddare än de rekommenderade.
- Använd inte enheten där trådlösa enheter inte är tillåtna.
- Adaptern måste installeras nära utrustningen och vara lättillgänglig.

Läs och följ ovanstående säkerhetsinformation när du använder enheten. Vi kan inte garantera att inga olyckor eller skador kan inträffa till följd av felaktig användning av produkten. Använd den här produkten med omsorg och på eget ansvar.

### TP-Link tre års begränsad produktgaranti

Enbart för produkter av märket TP-Link.

DEN HÄR GARANTIN GER DIG SPECIFIKA FORMELLA RÄTTIGHETER OCH DU KAN HA ANDRA RÄTTIGHETER SOM VARIERAR FRÅN LAND TILL LAND (ELLER STAT ELLER PROVINS).

I DEN OMFATTNING SOM LOKALA LAGAR TILLÅTER ÅR DENNA GARANTI OCH GOTTGÖRANDEN EXKLUSIVA OCH I STÄLLET FÖR ALLA ANDRA GARANTIER, GOTTGÖRANDEN OCH VILLKOR.

TP-Link garanterar maskinvara av märket TP-Link i sin originalförpackning mot defekter i material eller sammansättning vid normal användning enligt TP-Links riktlinjer under en period på TRE ÅR från det ursprungliga inköpsdatumet för slutanvändaren.

## Norsk

### Sikkerhetsinformasjon

- Hold enheten på trygg avstand fra vann, brann og fuktige eller varme omgivelser.
- Ikke forsøk å demontere, reparere eller modifisere enheten.
- Ikke bruk en ødelagt lader eller USB-kabel for å lade enheten.
- Ikke bruk andre ladere enn dem som er anbefalt.
- Ikke bruk enheten i områder hvor trådløse enheter ikke er tillatt.
- Adapteren må installeres i nærheten av utstyret. Den må være lett tilgjengelig.

Les og følg den ovenstående sikkerhetsinformasjonen før du bruker enheten. Vi kan ikke garantere at ulykker eller skader ikke vil oppstå som følge av feil bruk av enheten. Bruk dette produktet med forsiktighet og på egen risiko.

### TP-Links begrensede produktgaranti for tre år

Gjelder kun for produkter merket TP-Link.

DENNE GARANTIE GİRER DEĞERİ SPESİFİSİRETE, RETTSLİGE RETTİGHETER, OG I TILLEGGE KAN DU HA ANDRE RETTİGHETER SOM VARİERER ETTER JURİSDİKSJON (ETTER LAND). I DEN UTSTREKNİNG DET ER TİLLATT I HENHOLD TIL LOKAL LOV ER DENNE GARANTİEN OG LØSNİNGENE SOM HER ER FREMSATT EKSKLUSİVE OG ERSTATTER ALLE ANDRE GARANTİER, LØSNİNGER OG BETİNGELSER.

TP-Link garanterer at det TP-Link-merkede maskinvareproduktet som ligger i den originale emballasjen er fri for feil i materialer og utførelse når det brukes på normal måte i samsvar med TP-Links retningslinjer i en periode på TRE ÅR fra den datoen sluttbrukeren opprinnelig kjøpte produktet fra en forhandler.

## **Dansk**

### **Sikkerhedsoplysninger**

- Hold apparatet væk fra vand, brand, fugt eller varme miljøer.
- Forsøg ikke at skille enheden ad, reparere eller ændre enheden.
- Brug ikke en beskadiget strømadapter eller USB-kabel til at oplade enheden.
- Brug ikke andre opladere end de anbefalede.
- Brug ikke enheden hvor trådløse enheder ikke er tilladt.
- Adapteren skal installeres tæt på udstyret og være let at komme til.

Følg ovenstående vejledning når du betjener enheden. Vi kan ikke garantere, at ingen ulykker eller skader sker på grund af forkert brug af enheden. Brug dette produkt med forsigtighed og på egen risiko.

### **TP-Link tre års begrænset produktgaranti**

Gælder kun TP-Link mærkevarer.

DENNE GARANTİ GİVER DİG SPECİFİKKE JURİDİSKE RETTİGHEDER OG DU KAN HAVE ANDRE RETTİGHEDER SOM VARİERER FRA STAT TIL STAT (ELLER FRA LAND ELLER PROVİNS).

İNDENFOR LOVENS RAMMER ER GARANTİEN OG RETSMİDLERNE DER FREMGÅR EKSKLUSİVE OG İ STEDET FOR ALLE ANDRE RETTİGHEDER, RETSMİDLER OG BETİNGELSER.

TP-Link garanterer at alle TP-Link hardware produkter indeholdt i den originale emballage ikke er behæftede med fejl på materialer og håndværk såfremt de bruges efter hensigten og i overensstemmelse med TP-Link's retningslinjer indenfor en treårs periode fra købsdatoen af den oprindelige slutbruger/køber.

## **Türkçe**

### **Güvenlik Bilgileri**

- Cihazın açma/kapama düğmesi varsa, bu cihazı açma/kapama işlemi için kullanılabilecek yollardan biridir. Açma/Kapama düğmesi olmayan ürünler için, cihazı kapatmak için güç adaptör ile bağlantısının kesilmesi gerekmektedir. Bağlantısı kesilen cihaz yeniden takıldığında çalışır durumda değildir.
- Cihazın içini açmaya veya tamir etmeye çalışmayınız, zira yüksek voltaj ve diğer risklere maruz kalabilirsiniz. Kapalı bir ürünün veya ürün aksesuarının yetkili olmayan kişilerce açılması önerilmez ve bu işlem cihazı garanti dışı bırakacaktır. Ürününüz hakkında servis hizmeti için, lütfen bizimle iletişime geçiniz.
- Ürünü sıvı ortamların yakınında çalıştırmayınız.

### **TP-Link 3 Yıllık Limitli Ürün Garantisi**

Yalnız TP-Link Marka Ürünler için

BU GARANTİ SİZE ÇEŞİTLİ KANUNİ HAKLAR SAĞLAR, AYRICA YEREL UYGULAMALARDA (İLKE/EYALET) BÖLGE BAZINDA FARKLI HAKLARA DA SAHİP OLUNABİLİR İŞBU GARANTİ BELGESİ VE YAPTIRIMLAR TAMAMEN ÖZELDİR VE YEREL KANUNLARIN BELİRTTİĞİ ÖLÇÜLER ÇERÇEVESİNDE DİĞER GARANTİ BELGELERİ VEYA YAPTIRIMLARIN YERİNE GEÇMEKTEDİR.

TP-Link, orijinal kutu içerisinde yer alan TP-Link markasına ait donanım ürününün, TP-Link kılavuzlarında belirtildiği şekilde normal kullanımı durumunda son kullanıcının satın aldığı tarihten itibaren 3 yıl boyunca işçilik veya kullanılan parçalar sebebiyle arızalanmayacağını taahhüt eder.

### **Deutsch:**

TP-Link erklärt hiermit, dass dieses Gerät die Grundanforderungen und andere relevante Vorgaben der Richtlinien 2014/53/EU, 2009/125/EC und 2011/65/EU erfüllt.

Die Original-EU-Konformitätserklärung kann in englischer Sprache hier heruntergeladen werden:

<http://www.tp-link.com/en/ce>.

### **English:**

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC and 2011/65/EU.

The original EU declaration of conformity may be found at <http://www.tp-link.com/en/ce>.

### **Español:**

Por la presente TP-Link declara que este dispositivo cumple con los requisitos esenciales y otras disposiciones relevantes de las directivas 2014/53/EU, 2009/125/EC y 2011/65/EU.

La declaración original CE de la conformidad puede encontrarse en: <http://www.tp-link.com/en/ce>.

### **Ελληνικό:**

Δια του παρόντος η TP-Link διακηρύσσει ότι αυτή η συσκευή συμμορφώνεται με τις απαιτήσεις και άλλους σχετικούς κανονισμούς των οδηγιών 2014/53/EU, 2009/125/EC και 2011/65/EU.

Μπορείτε να δείτε την αρχική δήλωση συμμόρφωσης με τους κανονισμούς της Ε.Ε. στην ιστοσελίδα

<http://www.tp-link.com/en/ce>.

### **Français:**

TP-Link par la présente déclare que cet appareil est conforme aux exigences essentielles et autres dispositions pertinentes des directives 2014/53/EU, 2009/125/EC et 2011/65/EU.

La déclaration CE de conformité originelle peut être trouvée à l'adresse <http://www.tp-link.com/en/ce>.

### **Italiano:**

TP-Link dichiara che questo dispositivo è conforme ai requisiti fondamentali e alle altre disposizioni delle direttive 2014/53/EU, 2009/125/EC e 2011/65/EU.

La dichiarazione di conformità EU originale si trova in <http://www.tp-link.com/en/ce>.

### **Português:**

A TP-Link declara que este dispositivo está em conformidade com os requisitos essenciais e outras disposições das diretivas 2014/53/EU, 2009/125 /EC e 2011/65 /EU.

A declaração original de conformidade UE pode ser encontrada em <http://www.tp-link.com/en/ce>.

### **Suomi:**

TP-Link ilmoittaa täten, että tämä laite noudattaa direktiivien 2014/53/EU, 2009/125/EC ja 2011/65/EU olennaisia vaatimuksia ja muita asianmukaisia ehtoja.

Alkuperäinen EU-säädöstenmukaisuusilmoitus on osoitteessa <http://www.tp-link.com/en/ce>.

### **Nederlands:**

TP-Link verklaart hierbij dat dit apparaat in overeenstemming is met de essentiële eisen en andere relevante bepalingen van de richtlijnen 2014/53/EU, 2009/125/EC en 2011/65/EU.

De oorspronkelijke EU verklaring van overeenstemming is te vinden op <http://www.tp-link.com/en/ce>.

### **Svenska:**

TP-Link deklarerar att denna enhet är i överensstämmelse med de grundläggande kraven och andra relevanta bestämmelser i direktiv 2014/53/EU, 2009/125/EC och 2011/65/EU.

Den ursprungliga EU-försäkran om överensstämmelse kan hittas på <http://www.tp-link.com/en/ce>.

### **Norsk:**

TP-Link erklærer herved at denne enheten er i samsvar med de nødvendige kravene og andre relevante bestemmelser fra direktivene 2014/53/EU, 2009/125/EC og 2011/65/EU.

Den opprinnelige EU-samsvarserklæringen er tilgjengelig på <http://www.tp-link.com/en/ce>.

### **Dansk:**

TP-Link erklærer hermed, at denne enhed er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i direktiverne 2014/53/EU, 2009/125/EC og 2011/65/EU.

Den oprindelige EU-overensstemmelseserklæringen kan findes på <http://www.tp-link.com/en/ce>.

### **Türkçe:**

TP-Link, işbu belgede bu cihazın temel gereksinimlerle ve ilgili 2014/53/EU, 2009/125/EC ve 2011/65/EU hükümlerinin direktifleri ile uyumlu olduğunu beyan eder.

Orijinal AB uygun beyanını <http://www.tp-link.com/en/ce> adresinde bulabilirsiniz.





# User Guide

Wireless Dual Band 4G LTE Router



# Contents

|                                                     |        |
|-----------------------------------------------------|--------|
| About This Guide .....                              | 1      |
| <br>Chapter 1. Get to Know Your 4G LTE Router ..... | <br>2  |
| 1. 1. Product Overview.....                         | 3      |
| 1. 2. Panel Layout.....                             | 3      |
| 1. 2. 1.Top View .....                              | 3      |
| 1. 2. 2.The Back Panel.....                         | 4      |
| <br>Chapter 2. Connect the Hardware .....           | <br>6  |
| 2. 1. Requirements for Operation .....              | 7      |
| 2. 2. Position Your 4G LTE Router.....              | 7      |
| 2. 3. Connect Your 4G LTE Router .....              | 7      |
| <br>Chapter 3. Log In to Your 4G LTE Router .....   | <br>10 |
| <br>Chapter 4. Set Up Internet Connections.....     | <br>12 |
| 4. 1. Use Quick Setup Wizard .....                  | 13     |
| 4. 2. Create a Connection Profile.....              | 13     |
| 4. 3. Test Internet Connectivity .....              | 15     |
| <br>Chapter 5. QoS.....                             | <br>16 |
| <br>Chapter 6. Network Security .....               | <br>19 |
| 6. 1. Protect the Network from Cyber Attacks .....  | 20     |
| 6. 2. Service Filtering .....                       | 21     |
| 6. 3. Access Control .....                          | 22     |
| 6. 4. IP & MAC Binding .....                        | 23     |
| <br>Chapter 7. Parental Controls .....              | <br>25 |
| <br>Chapter 8. SMS .....                            | <br>29 |
| 8. 1. View Messages.....                            | 30     |
| 8. 2. Edit and Send a New Message .....             | 30     |
| 8. 3. View Sent Messages.....                       | 31     |
| 8. 4. View Drafts .....                             | 31     |



|       |                    |    |
|-------|--------------------|----|
| 8. 5. | SMS Settings ..... | 31 |
|-------|--------------------|----|

## Chapter 9. Guest Network..... 33

|       |                                      |    |
|-------|--------------------------------------|----|
| 9. 1. | Create a Network for Guests .....    | 34 |
| 9. 2. | Customize Guest Network Options..... | 34 |

## Chapter 10.NAT Forwarding..... 36

|        |                                                              |    |
|--------|--------------------------------------------------------------|----|
| 10. 1. | Share Local Resources in the Internet by Virtual Server..... | 37 |
| 10. 2. | Open Ports Dynamically by Port Triggering .....              | 38 |
| 10. 3. | Make Applications Free from Port Restriction by DMZ .....    | 39 |
| 10. 4. | Make Xbox Online Games Run Smoothly by UPnP .....            | 40 |

## Chapter 11.Specify Your Network Settings..... 42

|           |                                                 |    |
|-----------|-------------------------------------------------|----|
| 11. 1.    | USSD.....                                       | 43 |
| 11. 2.    | PIN Management .....                            | 43 |
| 11. 3.    | Data Settings .....                             | 44 |
| 11. 4.    | LAN Settings .....                              | 45 |
| 11. 4. 1. | Change the LAN IP Address .....                 | 45 |
| 11. 4. 2. | Use the 4G LTE Router as a DHCP Server.....     | 46 |
| 11. 4. 3. | Reserve LAN IP Addresses.....                   | 47 |
| 11. 5.    | Wireless Settings.....                          | 48 |
| 11. 5. 1. | Specify Basic Wireless Settings.....            | 48 |
| 11. 5. 2. | Use WPS for Wireless Connection.....            | 49 |
| 11. 5. 3. | Schedule Your Wireless Function.....            | 51 |
| 11. 5. 4. | View Wireless Information.....                  | 52 |
| 11. 5. 5. | Advanced Wireless Settings .....                | 53 |
| 11. 6.    | Set Up a Dynamic DNS Service Account .....      | 54 |
| 11. 7.    | Create Static Routes.....                       | 55 |
| 11. 8.    | Set up a VPN Connection .....                   | 57 |
| 11. 8. 1. | Use IPSec VPN to Access Your Home Network ..... | 57 |
| 11. 8. 2. | Use OpenVPN to Access Your Home Network .....   | 61 |
| 11. 8. 3. | Use PPTP VPN to Access Your Home Network.....   | 62 |

## Chapter 12.Administrate Your Network ..... 67

|           |                                                  |    |
|-----------|--------------------------------------------------|----|
| 12. 1.    | Set System Time .....                            | 68 |
| 12. 2.    | Update the Firmware.....                         | 69 |
| 12. 2. 1. | Online Upgrade .....                             | 69 |
| 12. 2. 2. | Local Upgrade .....                              | 70 |
| 12. 3.    | Back up and Restore Configuration Settings ..... | 70 |



|                                                     |           |
|-----------------------------------------------------|-----------|
| 12. 4. Change the Administrator Account.....        | 71        |
| 12. 5. Local Management .....                       | 72        |
| 12. 6. Remote Management.....                       | 73        |
| 12. 7. System Log.....                              | 74        |
| 12. 8. Monitor the Internet Traffic Statistics..... | 75        |
| 12. 9. CWMP Settings.....                           | 76        |
| 12. 10. SNMP Settings .....                         | 78        |
| <b>FAQ .....</b>                                    | <b>80</b> |



# About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide instructs you on quick internet setup, and this guide provides details of each function and shows you the way to configure these functions appropriate to your needs.

When using this guide, please notice that features of the router may vary slightly depending on the model and software version you have, and on your location, language, and internet service provider. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

## Conventions

In this guide the following conventions are used:

| Convention                                                                                       | Description                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u><a href="#">Teal Underlined</a></u>                                                           | Hperlinks are in teal and underlined. You can click to redirect to a website or a specific section.                                                                                                                                                                         |
| Teal                                                                                             | Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons and so on.                                                                                                                                                             |
| >                                                                                                | The menu structures to show the path to load the corresponding page. For example, <a href="#">Advanced</a> > <a href="#">Wireless</a> > <a href="#">MAC Filtering</a> means the MAC Filtering function page is under the Wireless menu that is located in the Advanced tab. |
|  <b>Note:</b> | Ignoring this type of note might result in a malfunction or damage to the device.                                                                                                                                                                                           |
|  <b>Tips:</b> | Indicates important information that helps you make better use of your device.                                                                                                                                                                                              |

## More Info

- The latest software, management app and utility are available from the [Download Center](#) at <https://www.tp-link.com/support>.
- The Quick Installation Guide can be found where you find this guide or inside the package of the router.
- Specifications can be found on the product page at <https://www.tp-link.com>.
- A Technical Support Forum is provided for you to discuss our products at <https://forum.tp-link.com>.
- Our Technical Support contact information can be found at the [Contact Technical Support](#) page at <https://www.tp-link.com/support>.

\* Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Range, coverage, and maximum quantity of connected devices are based on test results under normal usage conditions. Actual wireless data throughput, wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection quality, and client condition.



## Chapter 1

---

# Get to Know Your 4G LTE Router

---

This chapter introduces what the router can do and shows its appearance.

It contains the following sections:

- [Product Overview](#)
- [Panel Layout](#)



## 1.1. Product Overview

The 4G LTE Router shares the latest generation 4G LTE network with multiple Wi-Fi devices, anywhere you want.

With Ethernet ports and antennas, the router provides wired and wireless access for multiple computers and mobile devices.

With various features and functions, the router is the perfect hub of your home or business network.

## 1.2. Panel Layout

### 1.2.1. Top View



The router's LEDs (view from left to right) are located on the front panel. You can check the router's working status by following the LED Explanation table.

### LED Explanation

| Name                                                                                        | Status   | Indication                                                                                          |
|---------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|
|  (Power) | On       | The system has started up successfully.                                                             |
|                                                                                             | Flashing | The system is starting up or firmware is being upgraded. Do not disconnect or power off the router. |
|                                                                                             | Off      | Power is off.                                                                                       |



| Name                                                                                                | Status   | Indication                                                                                                                   |
|-----------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
|  (Internet)        | On       | The router is connected to the internet.                                                                                     |
|                                                                                                     | Off      | There is no internet connection.                                                                                             |
|  (Wi-Fi)           | On       | The wireless function is enabled.                                                                                            |
|                                                                                                     | Flashing | WPS connection is in progress. This may take up to 2 minutes.                                                                |
|                                                                                                     | Off      | The wireless function is disabled.                                                                                           |
|  (LAN)             | On       | At least one LAN port is connected to a powered-on device.                                                                   |
|                                                                                                     | Off      | No LAN port is connected to a powered-on device.                                                                             |
|  (Signal Strength) | On       | Indicates the signal strength the router received from the mobile internet. More lit bars indicate a better signal strength. |
|                                                                                                     | Off      | There is no mobile internet signal.                                                                                          |

**Note:**

1. If the Internet LED is off, please check your internet connection first. Refer to [Connect Your 4G LTE Router](#) for more information about how to make internet connection correctly. If you have already made a right connection, please contact your ISP to make sure your internet service is available now.
2. If the Signal Strength LED is off, please check your Internet LED first. If your Internet LED is also off, please refer to Note 1. If your Internet LED is on, please relocate the router to a location that receives a strong mobile internet signal, such as near a window.

## 1.2.2. The Back Panel



The following parts (view from left to right) are located on the rear panel.

| Item       | Description                                                               |
|------------|---------------------------------------------------------------------------|
| POWER Port | For connecting the router to power socket via the provided power adapter. |



| Item                          | Description                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POWER ON/OFF Button           | Press this button to power on or off the router.                                                                                                                                                                                                                                                                                            |
| LAN1, LAN2, LAN3,<br>LAN4/WAN | For connecting to your PCs or other Ethernet network devices.<br>In wireless router mode, the LAN4/WAN port is used for connecting to a Cable/FTTH/<br>VDSL/ADSL device.                                                                                                                                                                    |
| WPS/RESET                     | Press and hold this button until the Power LED starts flashing to reset the router to its<br>factory default settings.<br><br>To enable the WPS function, press this button about 2 seconds. If you have a WPS-<br>supported device, you can press this button to quickly establish connection between the<br>router and the client device. |
| Wi-Fi ON/OFF                  | For turning on/off the Wi-Fi function.                                                                                                                                                                                                                                                                                                      |
| Micro SIM Card Slot           | For holding the micro SIM card.                                                                                                                                                                                                                                                                                                             |
| Antennas                      | Used for data sessions over LTE. Upright them for the best mobile internet signal.                                                                                                                                                                                                                                                          |



## Chapter 2

---

# Connect the Hardware

---

This chapter contains the following sections:

- [Requirements for Operation](#)
- [Position Your 4G LTE Router](#)
- [Connect Your 4G LTE Router](#)



## 2.1. Requirements for Operation

To connect and use the router for internet sharing, you must have the following:

- Micro SIM card with internet access enabled.
- PC with an active Ethernet Adapter and an Ethernet cable with RJ45 connectors.
- Web browser, such as Microsoft Internet Explorer, Mozilla Firefox and Apple Safari.

## 2.2. Position Your 4G LTE Router

With the router, you can access your network from anywhere within the wireless network coverage. However, the wireless signal strength and coverage vary depending on the actual environment where your router is in. Many obstacles may limit the range of the wireless signal, for example, concrete structures, thickness and number of walls.

For your security and best Wi-Fi performance, please:

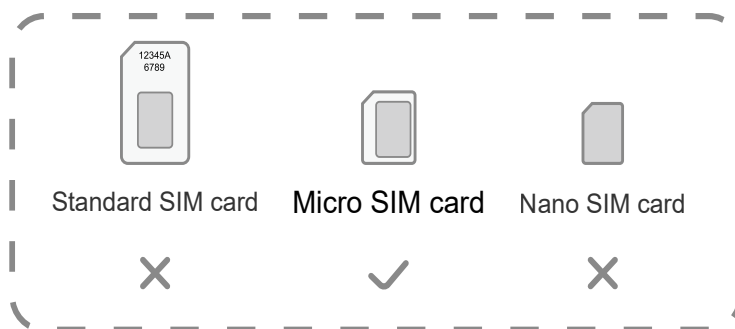
- Do not locate the router in the place where it will be exposed to moisture or excessive heat.
- Keep away from strong electromagnetic radiation source and electromagnetic-sensitive devices.
- Place the router in a location where it can be connected to the various devices as well as to a power source.
- Place the router in a location where it can receive a strong mobile internet signal.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.

 Tips: The router can be placed on a shelf or desktop.

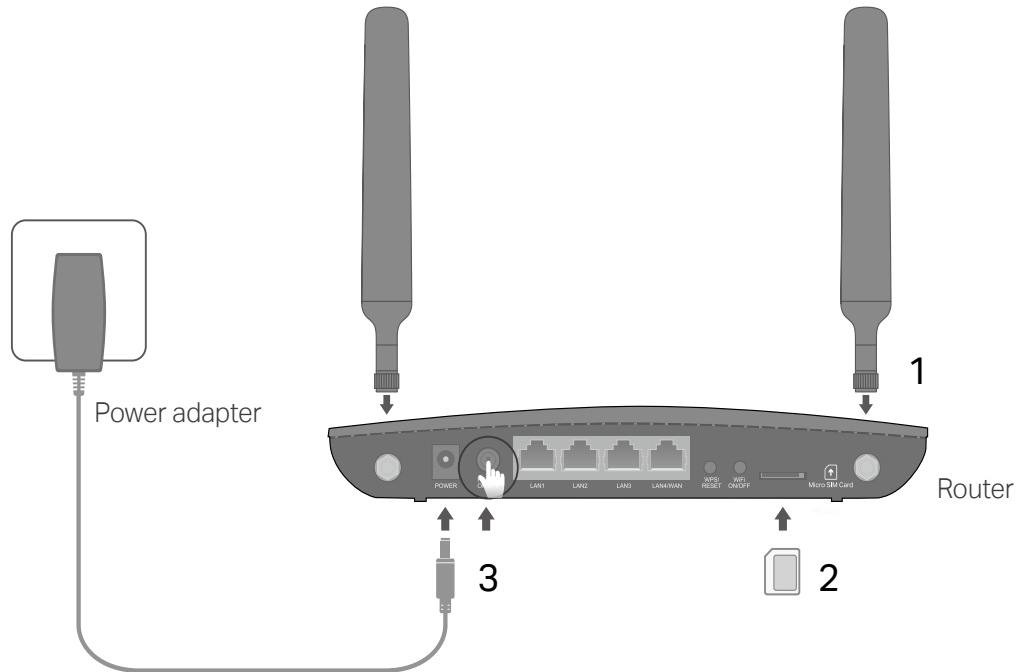
## 2.3. Connect Your 4G LTE Router

Follow the steps below to connect your router.

1. Install the antennas and position them upwards.
2. Insert the Micro SIM card into the slot until you hear a click.



3. Connect the power adapter and push in the POWER ON/OFF button to turn on the router. The power source shall be near the device and shall be easily accessible.



4. Connect your computer to the router.

#### Method 1: Wired

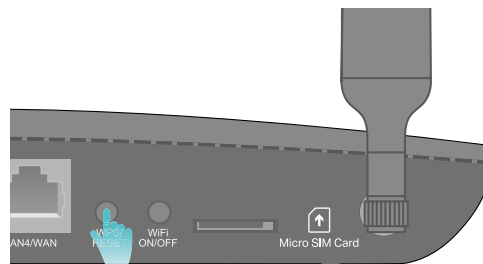
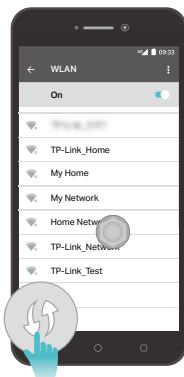
Connect your computer's Ethernet port to one of the LAN ports on the router via an Ethernet cable.

#### Method 2: Wirelessly

Use the default SSID (Wireless Network Name) and Wireless Password printed on the product label of the router to connect wirelessly.

#### Method 3: Use the WPS button

Wireless devices that support WPS, including Android phones, tablets, most USB network cards, can be connected to your router through this method. (WPS is not supported by iOS devices.)



 **Note:**

The WPS function cannot be configured if the wireless function of the router is disabled. Also, the WPS function will be disabled if your wireless encryption is WEP. Please make sure the wireless function is enabled and is configured with the appropriate encryption before configuring the WPS.

- 1) Tab the WPS icon on the device's screen.
- 2) Immediately press the WPS button on your router.
- 3) The Wi-Fi LED flashes for about 2 minutes during the WPS process.
- 4) When the Wi-Fi LED is on, the client device has successfully connected to the router.



## Chapter 3

---

# Log In to Your 4G LTE Router

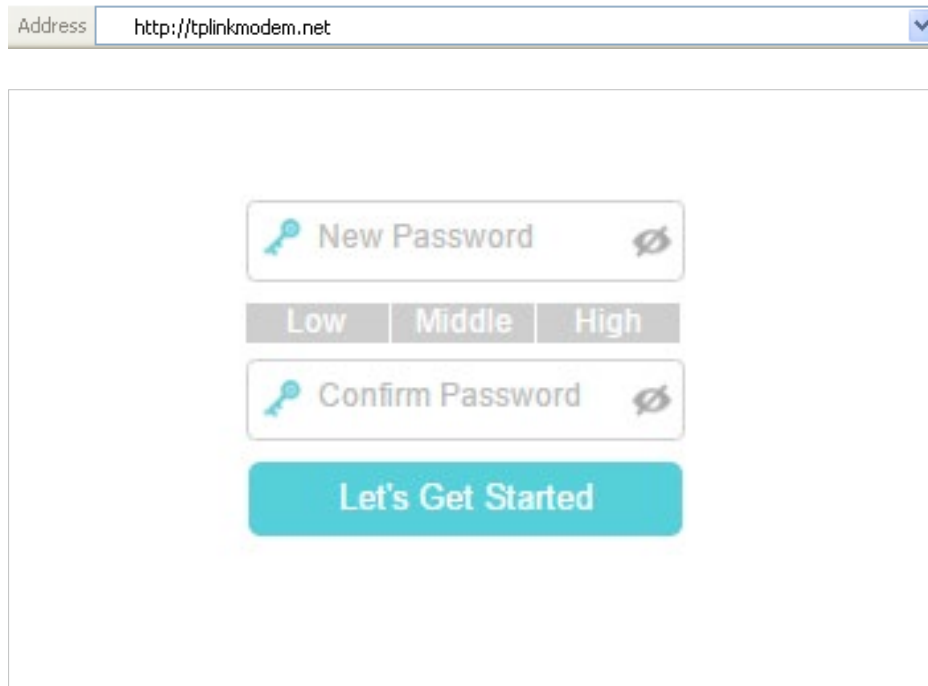
---



With a web management page, it is easy to configure and manage the 4G LTE Router. The web management page can be used on any Windows, Macintosh or UNIX OS with a Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari.

Follow the steps below to log in to your router.

1. If the TCP/IP Protocol on your computer is set to the static (fixed) IP address, you need to change its settings to obtain an IP address automatically. Refer to [FAQ](#) to configure your computer.
2. Launch a web browser and type in <http://tplinkmodem.net> or <http://192.168.1.1>. Set a strong password using 1-32 characters and click **Let's Get Started**.



The screenshot shows a web browser's address bar with the URL `http://tplinkmodem.net`. Below the address bar, the main content area displays a password setup interface. It includes a 'New Password' input field with a key icon and a toggle for password visibility. Below this are three buttons labeled 'Low', 'Middle', and 'High' for password strength selection. A 'Confirm Password' input field with a key icon and a toggle is positioned below the strength buttons. At the bottom of the form is a large teal button labeled 'Let's Get Started'.

■ Note: For subsequent logins, use your password that you have created.



## Chapter 4

---

# Set Up Internet Connections

---

This chapter introduces how to connect your router to the internet. The router is equipped with a web-based Quick Setup wizard. It has many ISP information built in, automates many of the steps and verifies that those steps have been successfully completed. Furthermore, you can set up IPv6 connection if your ISP provides IPv6 service.

This chapter includes the following sections:

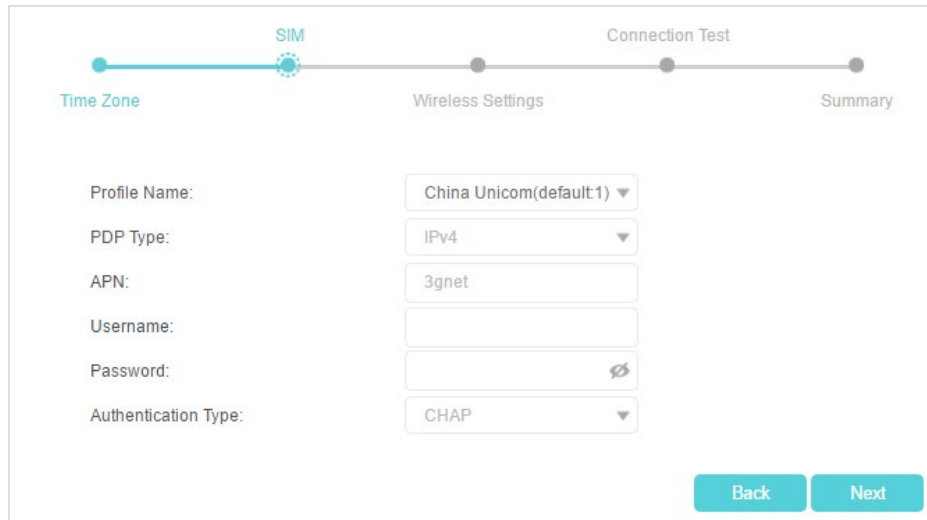
- [Use Quick Setup Wizard](#)
- [Create a Connection Profile](#)
- [Test Internet Connectivity](#)



## 4.1. Use Quick Setup Wizard

To set up your router with several easy steps quickly:

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Click **Quick Setup**, after configuring your time zone, confirm the parameters with the information provided by your ISP in the **SIM** part and click **Next**.



The screenshot shows the 'SIM' step of the Quick Setup Wizard. At the top, a progress bar indicates the sequence of steps: Time Zone, SIM (current step), Wireless Settings, Connection Test, and Summary. The SIM step is highlighted with a blue dot and a gear icon. Below the progress bar, the configuration fields are as follows:

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Profile Name:        | China Unicom(default 1) ▼                                                                                  |
| PDP Type:            | IPv4 ▼                                                                                                     |
| APN:                 | 3gnet                                                                                                      |
| Username:            | <input type="text"/>                                                                                       |
| Password:            | <input type="password"/>  |
| Authentication Type: | CHAP ▼                                                                                                     |

At the bottom right, there are two buttons: **Back** and **Next**.

■ **Note:**

Quick Setup is not available if your SIM card is locked. Unlock your SIM card according to the prompt.

3. Follow the on-screen instructions to complete the setup.

■ **Note:**

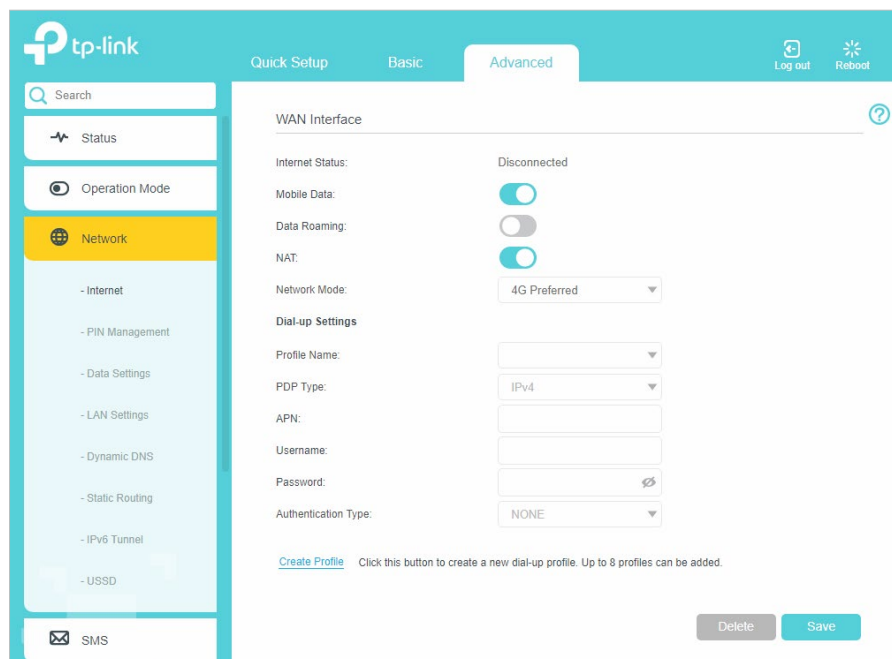
1. During the quick setup process, you can change the preset wireless network name (SSID) and wireless password. Once done, all your wireless devices must use the new SSID and password to connect to the router.
2. The router supports two operation modes, 3G/4G Router Mode and Wireless Router mode. If you already have a modem or your internet comes via an Ethernet cable from the wall, you can set up the router as a regular wireless router to share the internet. Refer to [FAQ > Q6](#) for details.

## 4.2. Create a Connection Profile

If your ISP settings are not detected by the router, you can create an internet connection profile by following the steps below:

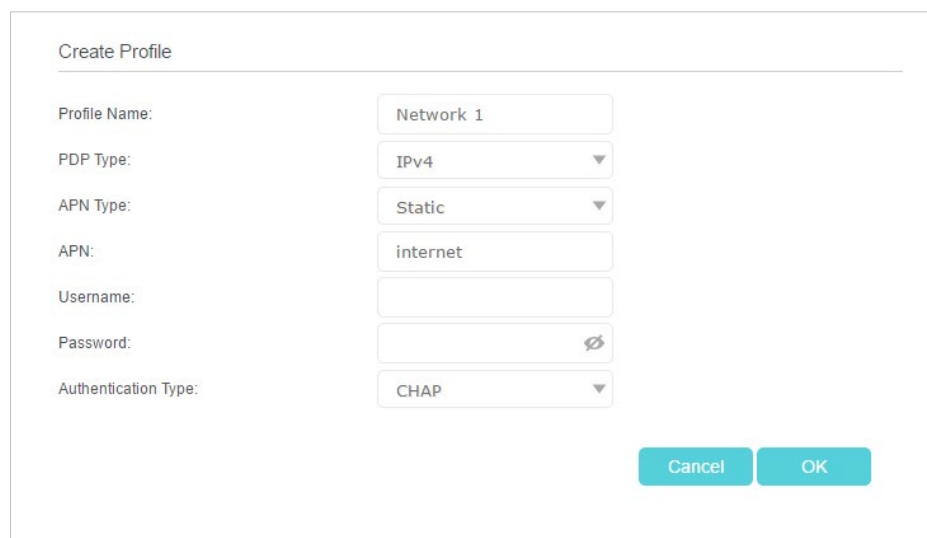
1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Network > Internet** page.





The image shows the TP-Link Advanced WAN Interface settings page. The left sidebar contains a search bar and a menu with options: Status, Operation Mode, Network (highlighted), Internet, PIN Management, Data Settings, LAN Settings, Dynamic DNS, Static Routing, IPv6 Tunnel, USSD, and SMS. The main content area is titled 'WAN Interface' and shows the following settings: Internet Status: Disconnected; Mobile Data: On; Data Roaming: Off; NAT: On; Network Mode: 4G Preferred; Dial-up Settings: Profile Name (empty), PDP Type: IPv4, APN (empty), Username (empty), Password (empty), Authentication Type: NONE. At the bottom, there is a 'Create Profile' link with a tooltip that says 'Click this button to create a new dial-up profile. Up to 8 profiles can be added.' and buttons for 'Delete' and 'Save'.

3. Click [Create Profile](#).
4. Specify the [Profile Name](#), [Username](#) and [Password](#). Select the [PDP Type](#), [APN Type](#) and [Authentication Type](#) according to your ISP.



The image shows the 'Create Profile' dialog box. It contains the following fields: Profile Name: Network 1; PDP Type: IPv4; APN Type: Static; APN: internet; Username: (empty); Password: (empty); Authentication Type: CHAP. At the bottom right, there are 'Cancel' and 'OK' buttons.

5. Click [OK](#) to make the settings effective and the new profile will be used to set up a new connection.

**Tips:**

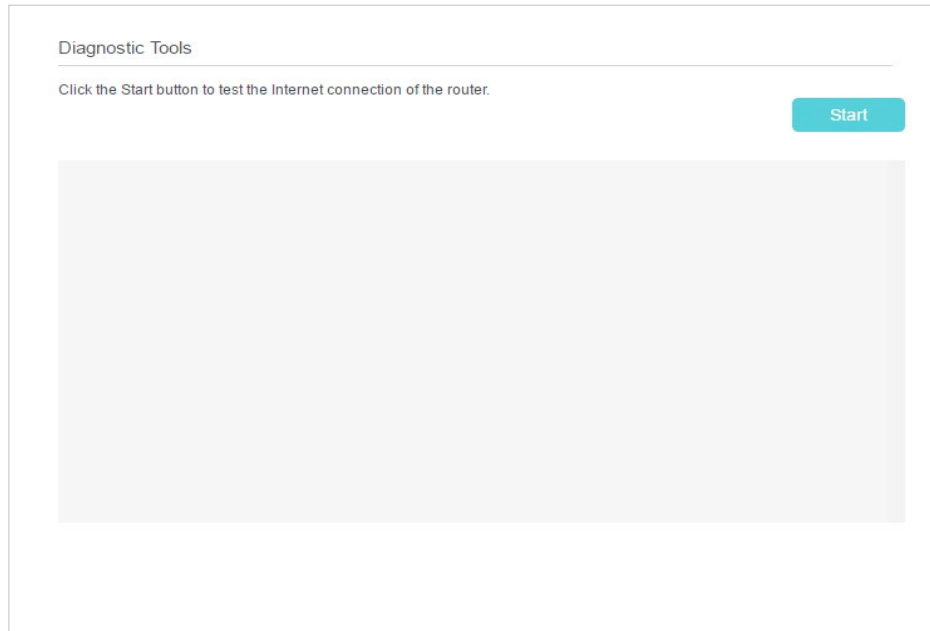
1. You can view all internet connections or edit connections that are set up manually on this page.
2. You can change the [Network Mode](#) to [4G Only](#) or [3G Only](#) according to your needs.



### 4.3. Test Internet Connectivity

After manually set up the internet connection, you need to know the internet connectivity. The router provides a diagnostic tool to help you locate the malfunction.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [System Tools](#) > [Diagnostics](#) page.



3. Click [Start](#) to test the internet connectivity and you will see the test result in the gray box.



## Chapter 5

---

# QoS

---

This chapter introduces how to create a QoS (Quality of Service) rule to specify prioritization of traffic and minimize the impact caused when the connection is under heavy load.



## I want to:

Specify priority levels for some devices or applications.

For example, I have several devices that are connected to my wireless network. I would like to set an intermediate speed on the internet for my phone.

## How can I do that?

1. Enable QoS and set bandwidth allocation.
  - 1) Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
  - 2) Go to **Advanced > QoS > Settings**.
  - 3) Select **Enable QoS**.
  - 4) Input the maximum upload and download bandwidth provided by your Internet service provider. 1Mbps equals to 1000Kbps.
  - 5) Click **Advanced** and drag the scroll bar to set the bandwidth priority percentage.
  - 6) Click **Save**.

QoS

QoS: ☒ Enable

For the best internet performance, the upload and download bandwidth you set should NOT exceed your actual bandwidth. It is recommended to test your actual bandwidth first (for example, at [www.speedtest.net](http://www.speedtest.net)).

Upload Bandwidth:  Mbps

Download Bandwidth:  Mbps

⬆ Advanced

High Priority:  60%

Middle Priority:  30%

Low Priority:  10%

Save

2. Add a middle priority QoS rule for the phone.

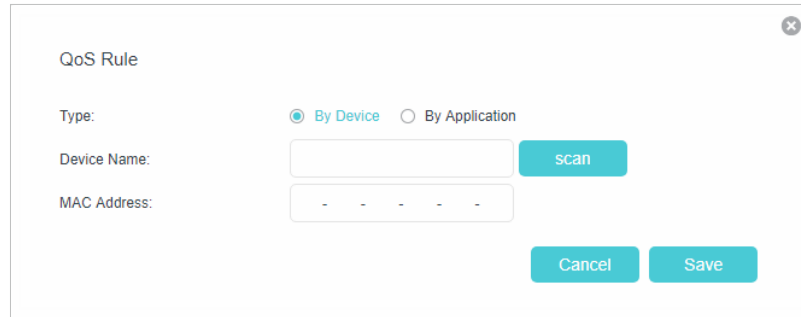
- 1) Click **Add** in the **Middle Priority: 30%** column.

QoS Rule List

| High Priority: 60% | Middle Priority: 30% | Low Priority: 10% |
|--------------------|----------------------|-------------------|
|                    |                      |                   |
| Add                | Add                  | Add               |



2) Select **By Device** and then click **Scan**.



QoS Rule

Type: ☒ By Device ☐ By Application

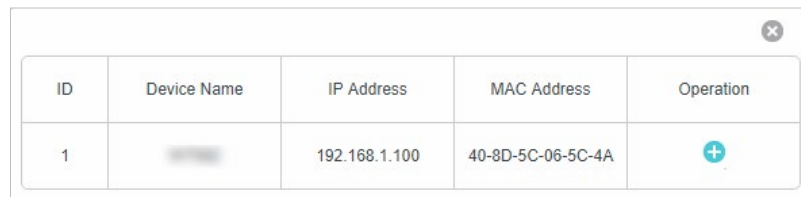
Device Name:

MAC Address:

scan

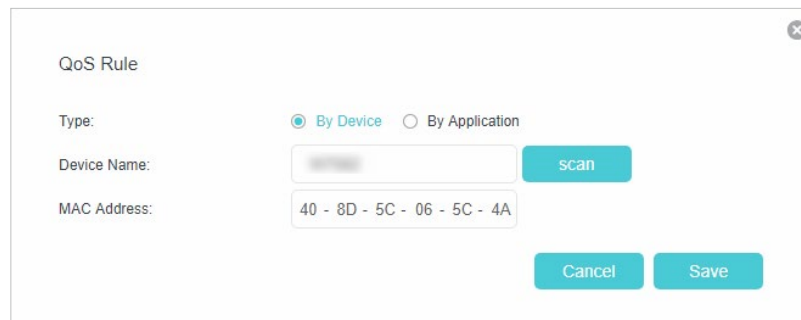
Cancel Save

3) Choose the respective device from the list.



| ID | Device Name | IP Address    | MAC Address       | Operation                                                                           |
|----|-------------|---------------|-------------------|-------------------------------------------------------------------------------------|
| 1  |             | 192.168.1.100 | 40-8D-5C-06-5C-4A |  |

4) Click **Save**.



QoS Rule

Type: ☒ By Device ☐ By Application

Device Name:

MAC Address:

scan

Cancel Save

 **Note:**

If you want to delete a QoS rule, click  to remove the responding rule from the list.

**Done!**

Now QoS is implemented to prioritize internet traffic.



## Chapter 6

---

# Network Security

---

This chapter guides you on how to protect your home network from cyber attacks and unauthorized users by implementing these three network security functions. You can protect your home network against DoS (Denial of Service) attacks from flooding your network with server requests using DoS Protection, block or allow specific client devices to access your network using Access Control, or you can prevent ARP spoofing and ARP attacks using IP & MAC Binding.

- [Protect the Network from Cyber Attacks](#)
- [Service Filtering](#)
- [Access Control](#)
- [IP & MAC Binding](#)



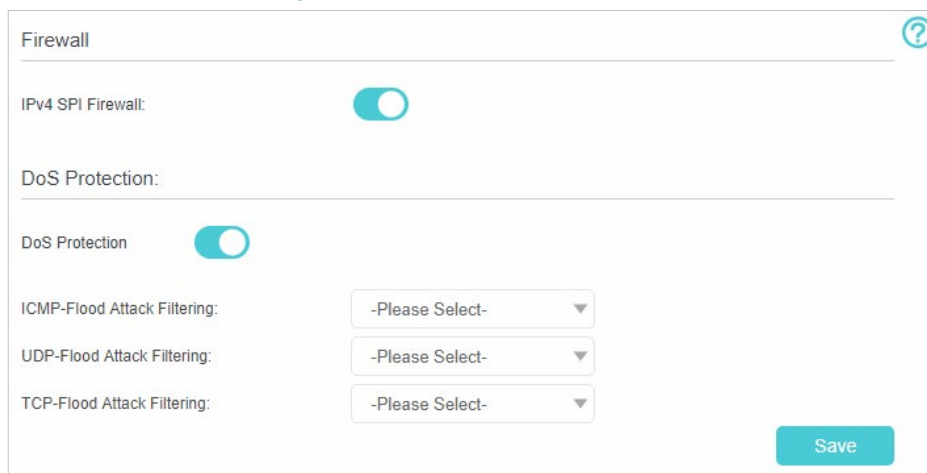
## 6.1. Protect the Network from Cyber Attacks

The SPI Firewall can prevent cyber attacks and validate the traffic that is passing through the router based on the protocol. This function is enabled by default, and it's recommended to keep the default settings.

DoS Protection can protect your home network against DoS attacks from flooding your network with server requests.

Follow the steps below to configure Firewall and DoS Protection.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Security > Firewall & DoS Protection**.



3. Enable **IPv4 SPI Firewall**.

4. Enable **DoS Protection**.

 **Note:** DoS protection and Traffic Statistics must be enabled at the same time. To enable Traffic Statistics, go to System > Traffic Monitor and toggle on Traffic Monitor.

5. Set the level (**Low**, **Middle** or **High**) of protection for **ICMP-FLOOD Attack Filtering**, **UDP-FLOOD Attack Filtering** and **TCP-FLOOD Attack Filtering**.

- **ICMP-FLOOD Attack Filtering** - Enable to prevent the ICMP (Internet Control Message Protocol) flood attack.
- **UDP-FLOOD Attack Filtering** - Enable to prevent the UDP (User Datagram Protocol) flood attack.
- **TCP-FLOOD Attack Filtering** - Enable to prevent the TCP-SYN (Transmission Control Protocol-Synchronize) flood attack.

 **Tips:**

The level of protection is based on the number of traffic packets. The protection will be triggered immediately when the number of packets exceeds the preset threshold value (the value can be set on [Dos Protection Level Settings](#) section of the same page), and the vicious host will be displayed in the [Blocked DoS Host List](#).

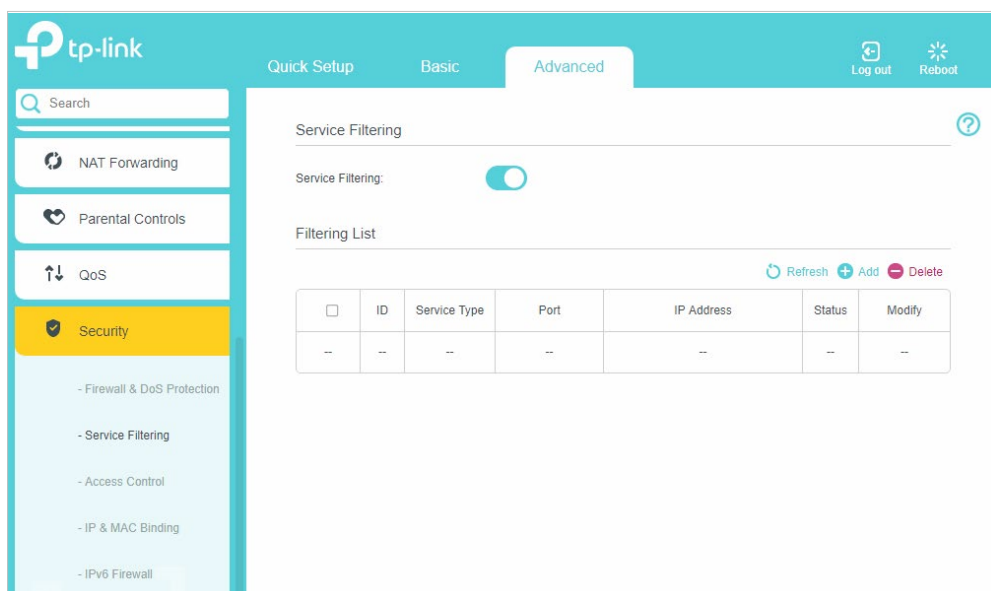
6. Click **Save**.



## 6.2. Service Filtering

With Service Filtering, you can prevent certain users from accessing the specified service, even block Internet access completely.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Wireless > Service Filtering** and enable **Service Filtering**.



3. Click **Add**.

| ID | Service Type | Port | IP Address | Status | Modify |
|----|--------------|------|------------|--------|--------|
| -- | --           | --   | --         | --     | --     |

Service Type:

Protocol:

Starting Port:  (1-65535)

Ending Port:  (1-65535)

Service Type:

Filter Service For: ☐ Single IP Address ☐ IP Address Range ☒ All IP Addresses

4. Select a service type from the drop-down list and the following four fields will be auto-populated. Select Custom when your desired service type is not listed, and enter the information manually.
5. Specify the IP address(es) that this filtering rule will apply to.
6. Click **Save**.

## 6.3. Access Control

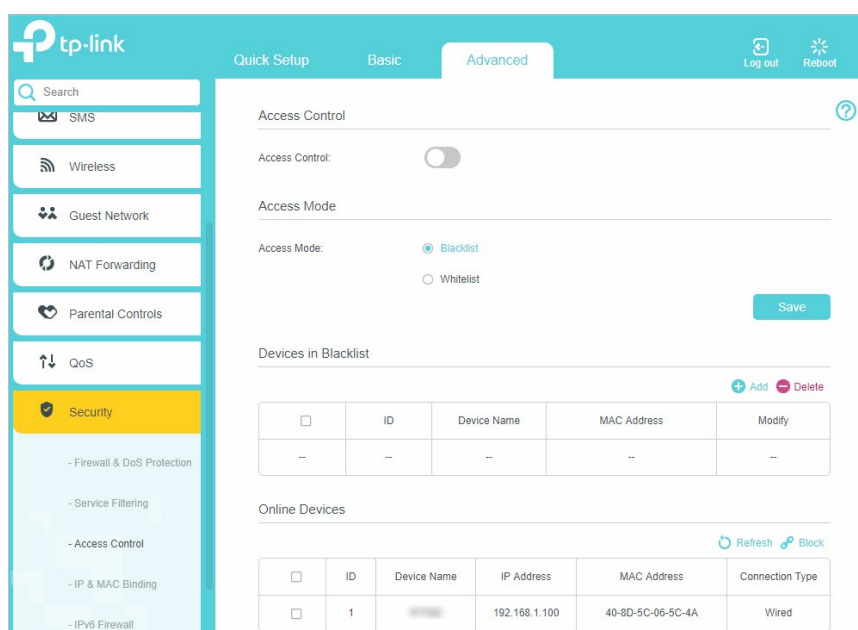
Access Control is used to block or allow specific client devices to access your network (via wired or wireless) based on a list of blocked devices (Blacklist) or a list of allowed devices (Whitelist).

### I want to:

Block or allow specific client devices to access my network (via wired or wireless)

### How can I do that?

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Security > Access Control** and enable **Access Control**.



3. Select the access mode to either block (recommended) or allow the device(s) in the list.

#### To block specific device(s)

- 1) Select **Blacklist** and click **Save**.
- 2) Select the device(s) to be blocked in the **Online Devices** table.
- 3) Click **Block** above the **Online Devices** table. The selected devices will be added to **Devices in Blacklist** automatically.

#### To allow specific device(s)

- 1) Select **Whitelist** and click **Save**.
- 2) Click **Add**.



Devices in Whitelist

[+ Add](#) [- Delete](#)

| <input type="checkbox"/> | ID | Device Name | MAC Address | Modify |
|--------------------------|----|-------------|-------------|--------|
| --                       | -- | --          | --          | --     |

Device Name:  [Scan](#)

MAC Address:  [Cancel](#) [Save](#)

- 3) Enter the [Device Name](#) and [MAC Address](#) (You can copy and paste the information from [Online Devices](#) table if the device is connected to your network).
- 4) Click [Save](#).

**Done!**

Now you can block or allow specific client devices to access your network (via wired or wireless) using the [Blacklist](#) or [Whitelist](#).

## 6.4. IP & MAC Binding

IP & MAC Binding, namely, ARP (Address Resolution Protocol) Binding, is used to bind network device's IP address to its MAC address. This will prevent ARP spoofing and other ARP attacks by denying network access to a device with matching IP address in the Binding list, but unrecognized MAC address.

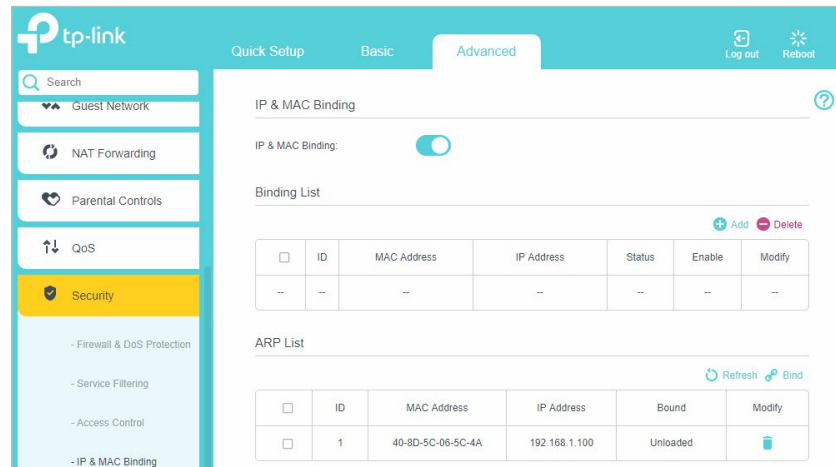
**I want to:**

Prevent ARP spoofing and other ARP attacks.

**How can I do that?**

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Security](#) > [IP & MAC Binding](#) and enable [IP & MAC Binding](#).





### 3. Bind your device(s) according to your needs.

#### To bind the connected device(s)

- 1) Select the device(s) to be bound in the [ARP List](#).
- 2) Click [Bind](#) to add to the [Binding List](#).

#### To bind the unconnected device

- 1) Click [Add](#).

- 2) Enter the [MAC address](#) and [IP address](#) that you want to bind.
- 3) Select the checkbox to enable the entry and click [Save](#).

## Done!

Now you don't need to worry about ARP spoofing and other ARP attacks.



## Chapter 7

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# Parental Controls

---

This function allows you to block inappropriate, explicit and malicious websites, and control access to specified websites at specified time.



## I want to:

Control the time of day my children or other home network users are allowed to access the internet and even types of websites they can visit.

For example, I want to allow my children's devices (e.g. a computer or a tablet) to access only [www.tp-link.com](http://www.tp-link.com) and [wikipedia.org](http://wikipedia.org), from 18:00 (6PM) to 22:00 (10PM) on weekdays only.

## How can I do that?

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Basic** or **Advanced** > **Parental Controls** and enable **Parental Controls**.

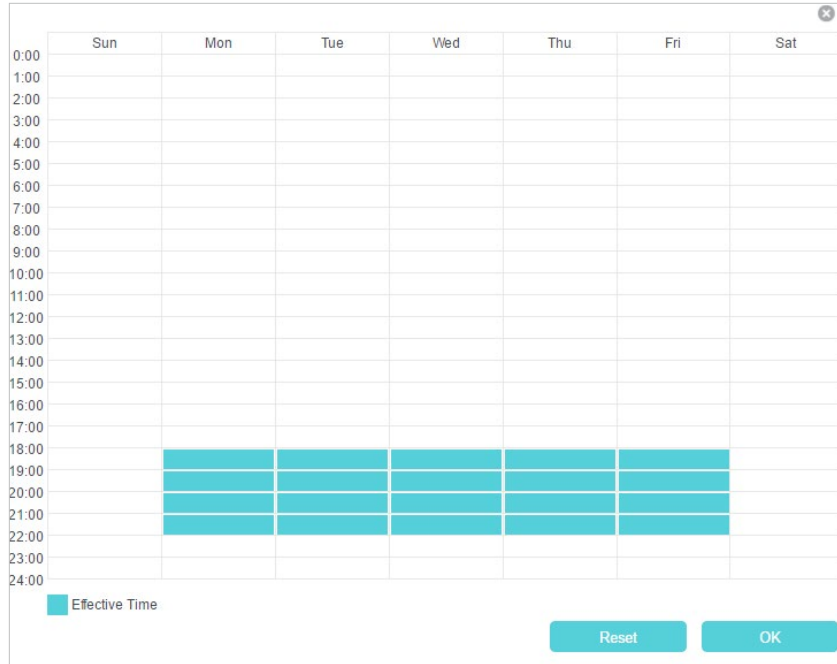
The screenshot shows the TP-Link router's web interface. The left sidebar contains navigation links: Status, Operation Mode, Network, SMS, Wireless, Guest Network, NAT Forwarding, Parental Controls (highlighted in yellow), and QoS. The main content area is titled 'Parental Controls' and has a toggle switch turned on. Below this, there's a section 'Devices Under Parental Controls' with a table that is currently empty. A note states: 'The Effective Time is based on the time of the router. The time can be set in "Advanced > System Tools > Time Settings"'. There are buttons for 'Refresh', 'Add', and 'Delete' above the table. Below the table, there's a 'Content Restriction' section with a toggle switch turned on and a 'Restriction Policy' dropdown set to 'Blacklist'. At the bottom, there's a 'Save' button.

3. Click **Add**.

The screenshot shows the 'Add' dialog box for adding a device to the Parental Controls list. The dialog has a title 'Devices Under Parental Controls' and a note: 'The Effective Time is based on the time of the router. The time can be set in "Advanced > System Tools > Time Settings"'. Below the note is a table with columns: ID, Device Name, MAC Address, Effective Time, Description, Status, and Modify. The table is empty. Below the table, there are input fields for 'Device Name', 'MAC Address', 'Effective Time' (with a clock icon), and 'Description'. There is a 'Scan' button next to the 'Device Name' field. At the bottom, there is a checkbox labeled 'Enable This Entry' which is checked, and 'Cancel' and 'Save' buttons.

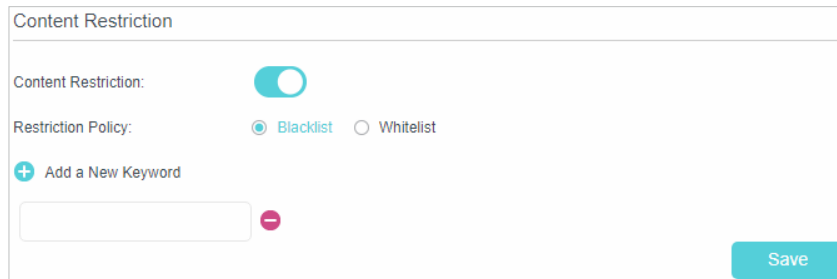


4. Click [Scan](#) and select the device to be controlled. Or enter the [Device Name](#) and [MAC Address](#) manually.
5. Click the  icon to set the Effective Time. Drag the cursor over the appropriate cell(s) and click [OK](#).



The interface shows a 24-hour grid for selecting an effective time. The vertical axis on the left lists times from 0:00 to 24:00 in 1-hour increments. The horizontal axis at the top lists the days of the week: Sun, Mon, Tue, Wed, Thu, Fri, and Sat. A legend at the bottom left indicates that the teal-colored cells represent 'Effective Time'. In the image, the cells for Monday through Friday from 18:00 to 22:00 are highlighted in teal. At the bottom right, there are two buttons: 'Reset' and 'OK'.

6. Enter a [Description](#) for the entry.
7. Select the checkbox to enable this entry and click [OK](#).
8. Select the restriction type.
  - 1) With [Blacklist](#) selected, the controlled devices cannot access any websites containing the specified keywords during the Effective Time period.
  - 2) With [Whitelist](#) selected, the controlled devices can only access websites containing the specified keywords during the Effective Time period.



The 'Content Restriction' settings window has a title bar. Below it, there is a 'Content Restriction' section with a toggle switch that is currently turned on. Underneath, the 'Restriction Policy' section has two radio buttons: 'Blacklist' (which is selected) and 'Whitelist'. Below the radio buttons is a section labeled '+ Add a New Keyword' with a text input field and a minus sign button. At the bottom right, there is a 'Save' button.

9. Click [Add a New Keyword](#). You can add up to 200 keywords for both Blacklist and Whitelist. Below are some sample entries to allow access.
  - 1) Enter a web address (e.g. [www.tp-link.com](#)) or a web address keyword (e.g. [wikipedia](#)) to only allow or block access to the websites containing that keyword.



2) If you wish to block all internet browsing access, do not add any keyword to the [Whitelist](#).

10. Click [Save](#).

**Done!**

Now you can control your children's internet access according to your needs.



## Chapter 8

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# SMS

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This chapter introduces how to use the SMS functions to view and write messages, keep drafts and specify the message center number. You can easily monitor your data usage by sending a message to your carrier.

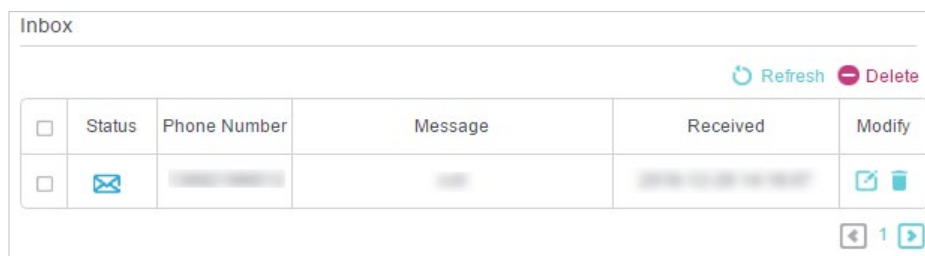
This chapter includes the following sections:

- [View Messages](#)
- [Edit and Send a New Message](#)
- [View Sent Messages](#)
- [View Drafts](#)
- [SMS Settings](#)



## 8.1. View Messages

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [SMS](#) > [Inbox](#) page.



| <input type="checkbox"/> | Status                                                                            | Phone Number | Message    | Received   | Modify                                                                                                                                                                  |
|--------------------------|-----------------------------------------------------------------------------------|--------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> |  | [REDACTED]   | [REDACTED] | [REDACTED] |   |

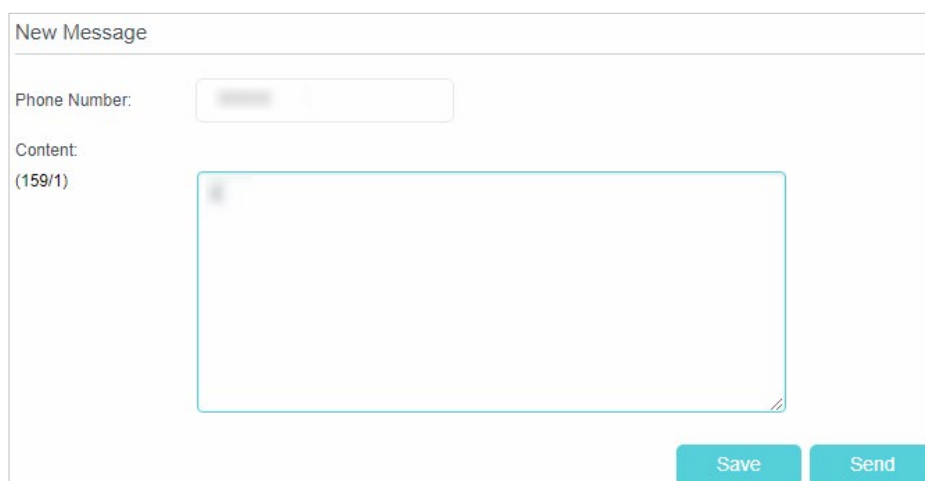
3. Click the  or  icon to unfold and read the content of the message.

💡 Tips:

 indicates the message is read, while  indicates the message is unread.

## 8.2. Edit and Send a New Message

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [SMS](#) > [New Message](#) page.



New Message

Phone Number:

Content:  
(159/1)

3. Enter the receiver's phone number in the [Phone Number](#) field.
4. Enter your message in the [Message](#) field.

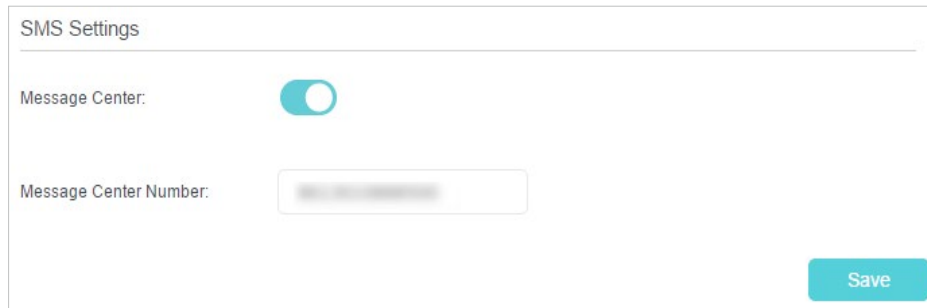
💡 Tips:

You can enter up to 160 letters or numbers, and any exceeding characters will be sent in the next message. You can send up to 5 messages each time.





1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [SMS](#) > [SMS Settings](#) page and enable [Message Center](#).



The screenshot shows the 'SMS Settings' configuration page. At the top, there is a title 'SMS Settings'. Below it, the 'Message Center' is enabled, indicated by a teal toggle switch. Underneath, the 'Message Center Number' is shown in a text input field, which is currently populated with a greyed-out number. A teal 'Save' button is located at the bottom right of the settings area.

3. The [Message Center Number](#) is auto-populated. Change it according to your needs.



## Chapter 9

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# Guest Network

---

This function allows you to provide Wi-Fi access for guests without disclosing your main network. When you have guests in your house, apartment, or workplace, you can create a guest network for them. In addition, you can customize guest network options to ensure network security, privacy, and fluency.

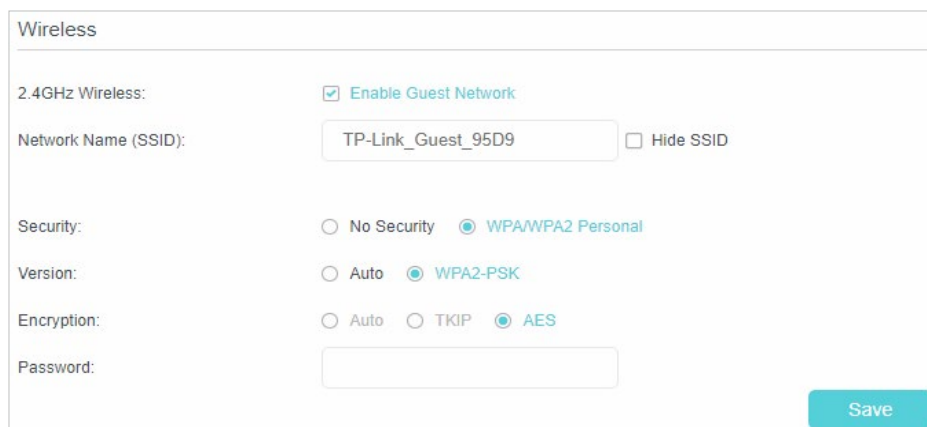
This chapter contains the following sections:

- [Create a Network for Guests](#)
- [Customize Guest Network Options](#)



## 9.1. Create a Network for Guests

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Guest Network](#). Locate the [Wireless](#) section.
3. Create a 2.4GHz or 5GHz guest network according to your needs.
  - 1) Enable [2.4GHz](#), [5GHz](#) or both wireless networks.
  - 2) Customize the SSID. Don't select [Hide SSID](#) unless you want your guests to manually input the SSID for guest network access.
  - 3) Set [Security](#) to [WPA/WPA2 Personal](#), keep the default [Version](#) and [Encryption](#) values, and customize your own password.



The screenshot shows the 'Wireless' configuration page for a guest network. It includes a section for '2.4GHz Wireless' with a checked 'Enable Guest Network' option. Below this, the 'Network Name (SSID)' is set to 'TP-Link\_Guest\_95D9', and the 'Hide SSID' checkbox is unchecked. The 'Security' section has 'WPA/WPA2 Personal' selected. The 'Version' section has 'WPA2-PSK' selected. The 'Encryption' section has 'AES' selected. A 'Password' field is present but empty. A 'Save' button is located at the bottom right of the form.

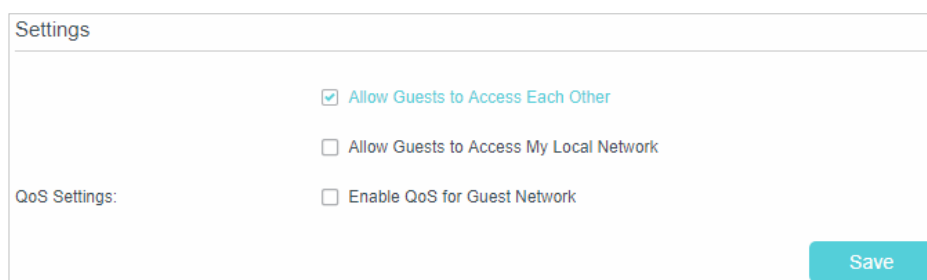
4. Click [Save](#). Now your guests can access your guest network using the SSID and password you set!

 **Tips:**

To view guest network information, go to [Advanced](#) > [Status](#) and locate the [Guest Network](#) section.

## 9.2. Customize Guest Network Options

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Guest Network](#). Locate the [Settings](#) section.
3. Customize guest network options according to your needs.



The screenshot shows the 'Settings' configuration page for a guest network. It includes three options: 'Allow Guests to Access Each Other' (checked), 'Allow Guests to Access My Local Network' (unchecked), and 'QoS Settings' with 'Enable QoS for Guest Network' (unchecked). A 'Save' button is located at the bottom right of the form.



- [Allow Guests to See Each Other](#)

Select this checkbox if you want to allow the wireless clients on your guest network to communicate with each other via methods such as network neighbors, Samba, Ping, and FTP.

- [Allow Guests to Access My Local Network](#)

Select this checkbox if you want to allow the wireless clients on your guest network to communicate with the devices connected to your router's LAN ports or main network via methods such as network neighbors, Samba, Ping, and FTP.

- [Enable QoS for Guest Network](#)

Select this checkbox if you want to assign the upstream and downstream bandwidths for the guest network. This option is available only when [Bandwidth Control](#) is enabled on the [Advanced > QoS](#) page.

4. Click [Save](#). Now you can ensure network security, privacy, and fluency!

 **Tips:**

To view guest network information, go to [Advanced > Status](#) and find the [Guest Network](#) section.



## Chapter 10

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# NAT Forwarding

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Router's NAT (Network Address Translation) feature makes the devices in the LAN use the same public IP address to communicate in the internet, which protects the local network by hiding IP addresses of the devices. However, it also brings about the problem that external host cannot initiatively communicate with the specified device in the local network.

With forwarding feature the router can penetrate the isolation of NAT and allows the external hosts on the internet to initiatively communicate with the devices in the local network, thus to realize some special functions.

TP-Link router includes four forwarding rules. If two or more rules are set, the priority of implementation from high to low is Virtual Servers, Port Triggering, UPnP and DMZ.

This chapter contains the following sections:

- [Share Local Resources in the Internet by Virtual Server](#)
- [Open Ports Dynamically by Port Triggering](#)
- [Make Applications Free from Port Restriction by DMZ](#)
- [Make Xbox Online Games Run Smoothly by UPnP](#)



## 10.1. Share Local Resources in the Internet by Virtual Server

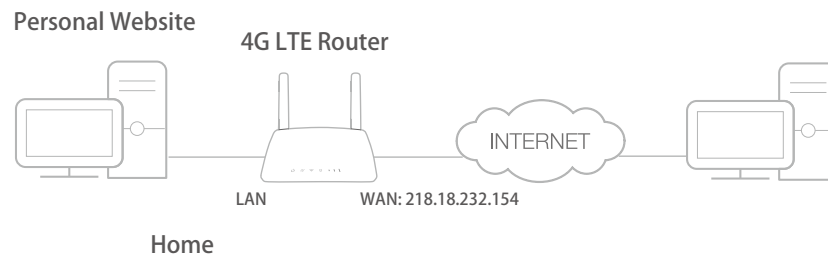
When you build up a server in the local network and want to share it on the internet, Virtual Server can realize the service and provide it to the internet users. At the same time virtual server can keep the local network safe as other services are still invisible from the internet.

Virtual server can be used for setting up public services in your local network, such as HTTP, FTP, DNS, POP3/SMTP and Telnet. Different service uses different service port. Port 80 is used in HTTP service, port 21 in FTP service, port 25 in SMTP service and port 110 in POP3 service. Please verify the service port number before the configuration.

### I want to:

Share my personal website I've built in local network with my friends through the internet.

For example, the personal website has been built in my home PC (192.168.1.100). I hope that my friends in the internet can visit my website in some way. The PC is connected to the router with the WAN IP address 218.18.232.154.



### How can I do that?

1. Assign a static IP address to your PC, for example 192.168.1.100.
2. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
3. Go to **Advanced > NAT Forwarding > Virtual Servers**, click **Add**.



Virtual Servers

+ Add - Delete

| <input type="checkbox"/> | ID | Service Type | External Port | Internal IP | Internal Port | Protocol | Status | Modify |
|--------------------------|----|--------------|---------------|-------------|---------------|----------|--------|--------|
| --                       | -- | --           | --            | --          | --            | --       | --     | --     |

Note: Virtual Server can be configured only when there is an available interface. If the external port is already used for Remote Management or CWMP, Virtual Server will not take effect.

Interface Name:

Service Type:  [View Existing Applications](#)

External Port:  (XX-XX or XX)

Internal IP:

Internal Port:  (XX or Blank, 1-65535)

Protocol:

☒ Enable This Entry

[Cancel](#) [Save](#)

- Click [View Existing Services](#), and choose [HTTP](#). The external port, internal port and protocol will be auto-populated. Enter the PC's IP address 192.168.1.100 in the [Internal IP](#) field.
- Click [Save](#) to save the settings.

■ **Note:**

- It is recommended to keep the default settings of [Internal Port](#) and [Protocol](#) if you are not clear about which port and protocol to use.
- If the service you want to use is not in the [Service Type](#), you can enter the corresponding parameters manually. You should verify the port number that the service needs.
- You can add multiple virtual server rules if you want to provide several services in a router. Please note that the [External Port](#) cannot be overlapped.

## Done!

Users in the internet can enter [http:// WAN IP](#) (in this example, enter [http:// 218.18.232.154](#)) to visit your personal website.

■ **Note:**

- WAN IP should be a public IP address. For the WAN IP is assigned dynamically by ISP, it is recommended to apply and register a domain name for the WAN by DDNS, go to [Set Up a Dynamic DNS Service Account](#) for more information. Then you can use [http://domain name](#) to visit the website.
- If you have changed the default [External Port](#), you should use [http://WAN IP: External Port](#) or [http://domain name: External Port](#) to visit the website.

## 10.2. Open Ports Dynamically by Port Triggering

Port triggering can specify a triggering port and its corresponding external ports. When a host in the local network initiates a connection to the triggering port, all the external ports will be opened for subsequent connections. The router can record the



IP address of the host. When the data from the internet return to the external ports, the router can forward them to the corresponding host. Port triggering is mainly applied to online games, VoIPs and video players. Common applications include MSN Gaming Zone, Dialpad and Quick Time 4 players, etc.

Follow the steps below to configure the port triggering rules:

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > NAT Forwarding > Port Triggering** and click **Add**.

Port Triggering

+ Add - Delete

| <input type="checkbox"/> | ID | Application | Triggering Port | Triggering Protocol | External Port | External Protocol | Status | Modify |
|--------------------------|----|-------------|-----------------|---------------------|---------------|-------------------|--------|--------|
| --                       | -- | --          | --              | --                  | --            | --                | --     | --     |

Interface Name:

Application:  [View Existing Applications](#)

Triggering Port:  (XX, 1-65535)

Triggering Protocol:

External Port:  (XX or XX-XX, 1-65535, at most 5 pairs)

External Protocol:

☒ Enable This Entry

[Cancel](#) [Save](#)

3. Click [View Existing Applications](#), and select the desired application. The triggering port and protocol, the external port and protocol will be auto-populated. Here we take application [MSN Gaming Zone](#) as an example.
4. Click [OK](#) to save the settings.

**Tips:**

1. You can add multiple port triggering rules according to your network need.
2. If the application you need is not listed in the [Existing Applications](#) list, please enter the parameters manually. You should verify the external ports the application uses first and enter them into [External Port](#) field according to the format the page displays.

## 10.3. Make Applications Free from Port Restriction by DMZ

When a PC is set to be a DMZ (Demilitarized Zone) host in the local network, it is totally exposed to the internet, which can realize the unlimited bidirectional communication between internal hosts and external hosts. The DMZ host becomes a virtual server with all ports opened. When you are not clear about which ports to open in some special applications, like IP camera and database software, you can set the PC to be a DMZ host.

**Note:**

DMZ is more applicable in the situation that users are not clear about which ports to open. When it is enabled, the DMZ host is totally exposed to the internet, which may bring some potential safety hazard. If DMZ is not in use, please disable it in time.

### I want to:

Make the home PC join the internet online game without port restriction.

**For example**, due to some port restriction, when playing the online games, you can log in normally but cannot join a team with other players. To solve this problem, set your PC as a DMZ with all ports opened.

### How can I do that?

1. Assign a static IP address to your PC, for example 192.168.1.100.
2. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
3. Go to **Advanced > NAT Forwarding > DMZ** and select the checkbox to enable DMZ.



4. Enter the IP address 192.168.1.100 in the **DMZ Host IP Address** field.
5. Click **Save** to save the settings.

### Done!

The configuration is completed. You've set your PC to a DMZ host and now you can make a team to game with other players.



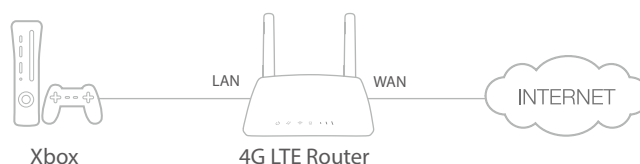
## 10.4. Make Xbox Online Games Run Smoothly by UPnP

UPnP (Universal Plug and Play) protocol allows the applications or host devices to automatically find the front-end NAT device and send request to it to open the corresponding ports. With UPnP enabled, the applications or host devices in the both sides of NAT device can freely communicate with each other, realizing the seamless connection of the network. You may need to enable the UPnP if you want to use applications for multiplayer gaming, peer-to-peer connections, real-time communication (such as VoIP or telephone conference) or remote assistance, etc.

### Tips:

1. UPnP is enabled by default in this router.
2. Only the application supporting UPnP protocol can use this feature.
3. UPnP feature needs the support of operating system (e.g. Windows Vista/ Windows 7/ Windows 8, etc. Some of operating system need to install the UPnP components).

For example, when you connect your Xbox to the router which has connected to the internet to play online games, UPnP will send requests to the router to open the corresponding ports, allowing the following data penetrating the NAT to transmit. Therefore, you can play Xbox online games without a hitch.



If necessary, you can follow the steps to change the status of UPnP.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router;
2. Go to **Advanced** > **NAT Forwarding** > **UPnP** and toggle on or off according to your needs.

UPnP

UPnP: ☒

UPnP Service List

Total Clients: 0 Refresh

| ID | Service Description | External Port | Protocol | Internal IP Address | Internal Port |
|----|---------------------|---------------|----------|---------------------|---------------|
| -- | --                  | --            | --       | --                  | --            |



## Chapter 11

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# Specify Your Network Settings

---

This chapter introduces how to change the default settings or adjust the basic configuration of the router using the web-based management page.

This chapter contains the following sections:

- [USSD](#)
- [PIN Management](#)
- [Data Settings](#)
- [LAN Settings](#)
- [Wireless Settings](#)
- [Set Up a Dynamic DNS Service Account](#)
- [Create Static Routes](#)
- [Set up a VPN Connection](#)



## 11.1. USSD

USSD (Unstructured Supplementary Service Data) is used to communicate with the service provider's computer. You can query service data on this page.

Follow the steps below to get service data.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Network](#) > [USSD](#) page.

The screenshot shows the 'USSD' configuration page. At the top is a title bar labeled 'USSD'. Below it, there is a 'USSD Request' label followed by a text input field. To the right of the input field are two buttons: 'Send' and 'Cancel'. Below the input field is a 'USSD Result' label followed by a large, empty rectangular box for displaying the response.

3. Enter the USSD request and click [Send](#). You will see the message returned from the carrier in the [USSD Result](#) box.

## 11.2. PIN Management

PIN (Personal Identification Number) is used to protect the SIM card from embezzlement. PIN Management allows you to easily change the PIN settings of your SIM card as needed.

Follow the steps below to change your PIN settings.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Network](#) > [PIN Management](#) page.

The screenshot shows the 'PIN Management' page. It has a title bar labeled 'PIN Management'. Below the title bar, the 'SIM Card Status' is displayed as 'Ready'. There are two toggle switches: 'PIN Lock' (which is currently turned on) and 'Auto-unlock PIN' (which is currently turned off). Below these is a 'PIN' label followed by a text input field. To the right of the input field, it says 'Remaining Attempts: 3'. At the bottom right of the page is a 'Save' button.



- **SIM Card Status** - Displays the status of your SIM card.
- **PIN Lock** - Toggle on to enable PIN Lock. Once it is enabled, every time you start the router with this SIM card inserted, you need to enter the PIN.
- **Auto-unlock PIN** - When the PIN is required upon router restarting or inserting a SIM card, it will be validated automatically, saving you the trouble to enter the PIN each time you start the router or insert a SIM card. If validation failed, you need to enter the PIN on this page.
- **PIN** - Enter the PIN to unlock the SIM card. It consists of 4-8 digits.
- **PUK** - PIN Unlocked Key, also known as Personal Unlock Code (PUC), is used to reset a PIN that has been lost or forgotten. The PUK is a SIM-specific code assigned by the service provider. You need to enter the PUK after 3 incorrect login attempts of PIN. Contact your service provider if you do not know the PUK. It consists of 8 digits.
- **New PIN** - Enter 4-8 digits to reset the PIN of your SIM card.
- **Remaining Attempts** - Shows how many attempts are left for you to try entering the PIN or PUK. You have only 3 attempts for entering the PIN and 10 attempts for entering the PUK. If you accidentally fail in 3 attempts, the SIM card will be locked and you will be required to enter the PUK that is written on your SIM card.

3. Click **Save** to save the settings.

## 11.3. Data Settings

Data Settings is used to monitor the data usage of your router in real-time. You can limit your data usage according to your monthly allowance or total allowance and you will receive a warning if your data usage reaches the specified level.

Follow the steps below to monitor your data usage.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced** > **Network** > **Data Settings** page.

The screenshot shows the 'Data Settings' page. At the top, it displays 'Monthly Used: 0.000 MB' with a 'Correct' button. Below this, there is a toggle for 'Data Limit' which is turned on. A note states: 'The router will automatically disconnect from the network when the data usage limit is reached.' Underneath, there are input fields for 'Monthly Allowance' (with a unit dropdown set to 'MB'), 'Usage Alert' (set to '90 %'), and 'SMS Alert for Usage' (with a placeholder 'Please enter phone number' and a 'Send Test Message' button). A note below the SMS alert field says 'Note: This function may cause SMS charges.' At the bottom, there is a 'Monthly Data Statistics' toggle which is also turned on, and a 'Start Date' field set to '1'. A 'Save' button is located at the bottom right of the form.



3. Enable [Data Limit](#) to set total/monthly data allowance and usage alert to prevent data overuse.
4. Enter the allowed amount of total/monthly data in the [Total/Monthly Allowance](#) field. When data usage exceeds the allowed level, the router will disconnect from the internet and notify you on the [Basic > Network Map](#) Page.
5. Enter a percentage in the [Usage Alert](#) field to prevent data overuse. When data usage reaches the alert level, a warning will be shown on the [Basic > Network Map](#) Page. If you want to want receive the alert on your phone, enter your mobile phone number in the [SMS Alert for Usage](#) field.
6. Enable [Monthly Data Statistics](#) to reset data statistics when the next billing cycle starts.
7. Enter the start date of the billing cycle in the [Start Date](#) field.
8. Click [Save](#) to save the settings.

## 11.4. LAN Settings

### 11.4.1. Change the LAN IP Address

The router is preset with a default LAN IP 192.168.1.1, which you can use to log in to its web management page. The LAN IP address together with the Subnet Mask also defines the subnet that the connected devices are on. If the IP address conflicts with another device on your local network or your network requires a specific IP subnet, you can change it.

Follow the steps below to change your IP address.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced > Network > LAN Settings](#) page.

| DHCP Server    |                                                |
|----------------|------------------------------------------------|
| MAC Address:   | EC-17-2F-03-95-D9                              |
| IP Address:    | <input type="text" value="192 . 168 . 1 . 1"/> |
| Subnet Mask:   | <input type="text" value="255.255.255.0"/>     |
| IGMP Snooping: | <input type="checkbox"/> Enable                |
| Second IP:     | <input type="checkbox"/> Enable                |

3. Type in a new [IP Address](#) as needed.



4. Select the **Subnet Mask** from the drop-down list. The subnet mask together with the IP address identifies the local IP subnet.
5. You can configure the router's **Second IP** and **Subnet Mask** for LAN interface through which you can also access the web management page.
6. You can enable **IGMP (Internet Group Management Protocol) Snooping** feature to optimize overall network performance when your network has plenty of multicast traffic.
7. Click **Save** to make the settings effective.

### 11.4.2. Use the 4G LTE Router as a DHCP Server

You can configure the router to act as a DHCP server to assign IP addresses to its clients. To use the DHCP server function of the router, you must configure all computers on the LAN to obtain an IP Address automatically.

Follow the steps below to configure DHCP server.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Network > LAN Settings** page.

|                     |                                                    |
|---------------------|----------------------------------------------------|
| DHCP:               | <input checked="" type="checkbox"/> Enable         |
| IP Address Pool:    | 192 . 168 . 1 . 100 - 192 . 168 . 1 . 199          |
| Address Lease Time: | 1440 minutes. (1-2880. The default value is 1440.) |
| Default Gateway:    | 192 . 168 . 1 . 1 (Optional)                       |
| Default Domain:     | (Optional)                                         |
| Primary DNS:        | 0 . 0 . 0 . 0 (Optional)                           |
| Secondary DNS:      | 0 . 0 . 0 . 0 (Optional)                           |

**Save**

3. Select **DHCP** to enable the DHCP function and select **DHCP Server**.
4. Specify the **IP Address Pool**, the start address and end address must be on the same subnet with LAN IP. The router will assign addresses within this specified range to its clients. It is from 192.168.1.100 to 192.168.1.199 by default.
5. Enter a value for the **Address Lease Time**. The **Address Lease Time** is the amount of time in which a DHCP client can lease its current dynamic IP address assigned by the router. After the dynamic IP address expires, the user will be automatically assigned a new dynamic IP address. The default is 1440 minutes.
6. Keep the rest of the settings as default and click **Save** to make the settings effective.



**Note:**

1. The router can be configured to work as a [DHCP Relay](#). A DHCP relay is a computer that forwards DHCP data between computers that request IP addresses and the DHCP server that assigns the addresses. Each of the device's interfaces can be configured as a DHCP relay. If it is enabled, the DHCP requests from local PCs will be forwarded to the DHCP server that runs on WAN side.
2. You can also appoint IP addresses within a specified range to devices of the same type by using [Condition Pool](#) feature. For example, you can assign IP addresses within the range (192.168.1.50 to 192.168.1.80) to Camera devices, thus facilitating the network management. Enable DHCP feature and configure the parameters according to your actual situation on [Advanced > Network > LAN Settings](#) page.

### 11.4.3. Reserve LAN IP Addresses

You can view and add a reserved address for a client. When you specify an IP address for a device on the LAN, that device will always receive the same IP address each time when it accesses the DHCP server. If there are some devices in the LAN that require permanent IP addresses, please configure Address Reservation on the router for the purpose.

Follow the steps below to reserve an IP address for your device.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced > Network > LAN Settings](#) page.
3. Scroll down to locate the [Address Reservation](#) table and click [Add](#) to add an address reservation entry for your device.

Address Reservation

|                          | MAC Address | Reserved IP Address | Group | Status | Modify |
|--------------------------|-------------|---------------------|-------|--------|--------|
| <input type="checkbox"/> | --          | --                  | --    | --     | --     |

MAC Address:

IP Address:

Group:

☒ Enable This Entry

4. Enter the [MAC address](#) of the device for which you want to reserve IP address.
5. Specify the IP address which will be reserved by the router.
6. Check to [Enable this entry](#) and click [Save](#) to make the settings effective.



## 11.5. Wireless Settings

### 11.5.1. Specify Basic Wireless Settings

The router's wireless network name (SSID), password, and security option are preset in the factory. The preset SSID and password can be found on the product label. You can customize the wireless settings according to your needs.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Basic > Wireless** page.

Wireless Settings

2.4GHz Wireless Network: ☒ Enable

Network Name (SSID):  ☐ Hide SSID

Password:

5GHz Wireless Network: ☒ Enable

Network Name (SSID):  ☐ Hide SSID

Password:

Save

➤ **To enable or disable the wireless function:**

Enable the **2.4GHz** or **5GHz Wireless Network**. If you don't want to use the wireless function, just uncheck the box. If you disable the wireless function, all the wireless settings won't be effective.

➤ **To change the wireless network name (SSID) and wireless password:**

Enter a new SSID. The default SSID is TP-Link\_XXXX and the value is case-sensitive.

**Note:**

If you use a wireless device to change the wireless settings, you will be disconnected when the settings are effective. Please write down the new SSID and password for future use.

➤ **To hide SSID:**

Select Hide SSID, and your SSID will not broadcast. Your SSID won't display when you scan for local wireless network list on your wireless device and you need to manually join the network.

➤ **To change the mode or channel:**

Go to **Advanced > Wireless > Wireless Settings** page and select the wireless network 2.4GHz or 5GHz.

- **Mode** - Select the desired mode.



- **802.11n only** - Select only if all of your wireless clients are 802.11n devices.
- **802.11gn mixed** - Select if you are using both 802.11g and 802.11n wireless clients.
- **802.11bgn mixed** - Select if you are using a mix of 802.11b, 11g, and 11n wireless clients.

**Note:**

When 802.11n only mode is selected, only 802.11n wireless stations can connect to the router. It is strongly recommended that you select 802.11bgn mixed, and all of 802.11b, 802.11g, and 802.11n wireless clients can connect to the router.

- **802.11ac/n mixed (5GHz)** - Select if you are using both 802.11ac and 802.11n wireless clients.
- **802.11a/n/ac mixed (5GHz)** - Select if you are using a mix of 802.11a, 802.11n and 802.11ac wireless clients. It is strongly recommended that you select 11a/n/ac mixed.
- **Channel** - Select the channel you want to use from the drop-down list. This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point.
- **Channel Width** - Select the channel width from the drop-down list. The default setting is **Automatic**, which can adjust the channel width for your clients automatically.
- **Transmit Power** - Select either High, Middle, or Low to specify the data transmit power. The default and recommended setting is **High**.

➤ **To change the security option:**

1. Go to **Advanced > Wireless > Wireless Settings** page.
2. Select the wireless network **2.4GHz** or **5GHz**.
3. Select an option from the **Security** drop-down list. The router provides four options, None, WPA/WPA2 Personal (Recommended), WPA/WPA2 Enterprise, WEP. WPA2 uses the newest standard and the security level is the highest. We recommend you don't change the default settings unless necessary.

### 11.5.2. Use WPS for Wireless Connection

You can use WPS feature to add a new wireless device to your existing network quickly.



## Method 1 Use the Wi-Fi Protected Setup Button

Use this method if your client device has a Wi-Fi Protected Setup button.

1. Press the WPS/RESET button on the back panel of the router for 1 second.

**Note:**

You can also use the Push button on the web management page. Go to [Advanced](#) > [Wireless](#) > [WPS](#) page and click the Start WPS button on the screen.



2. Press the WPS button of the client device within two minutes.
3. The Wi-Fi LED flashes for about two minutes during the WPS process.
4. When the Wi-Fi LED is on, the client device has successfully connected to the router.

## Method 2 Enter the client device's PIN on the router

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Wireless](#) > [WPS](#) page.

The screenshot shows a web browser window with the title 'WPS Method'. The main heading is 'Method One--Push Button(recommended)'. Below this is a large blue circular button with the text 'Start WPS'. Underneath, there is a section for 'Method Two--PIN' with two radio buttons: 'Router's PIN' and 'Client's PIN'. The 'Client's PIN' option is selected. Below the radio buttons is a text input field labeled 'Enter the client's PIN:' and a blue 'Connect' button.

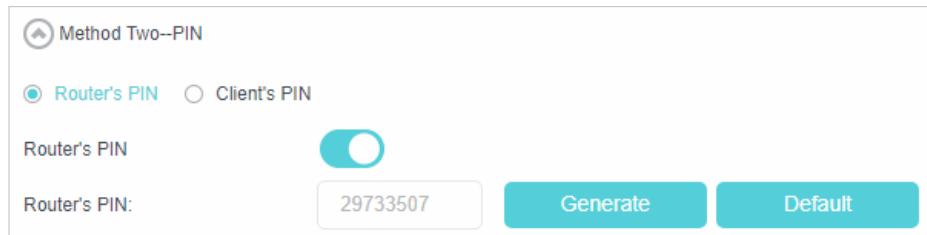
3. Select [Method Two--PIN](#) and select [Client's PIN](#) radio button.

4. Enter the client device's PIN in the field, then click [Connect](#).
5. [Connect successfully](#) will appear on the above screen, which means the client device has successfully connected to the router.

### Method 3 Enter the router's PIN on your client device

Use this method if your client device asks for the router's PIN.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Wireless](#) > [WPS](#) page.



3. Take a note of the Current PIN of the router. You can also click the [Generate](#) button to get a new PIN.
4. On the client device, enter the router's PIN. (The default PIN is also labeled on the bottom of the router.)
5. The Wi-Fi LED flashes for about two minutes during the WPS process.
6. When the Wi-Fi LED is on, the client device has successfully connected to the router.

#### Note:

1. The Wi-Fi LED on the router will light on for no more than five minutes if the device has been successfully added to the network.
2. The WPS function cannot be configured if the wireless function of the router is disabled. Please make sure the wireless function is enabled before configuring the WPS.

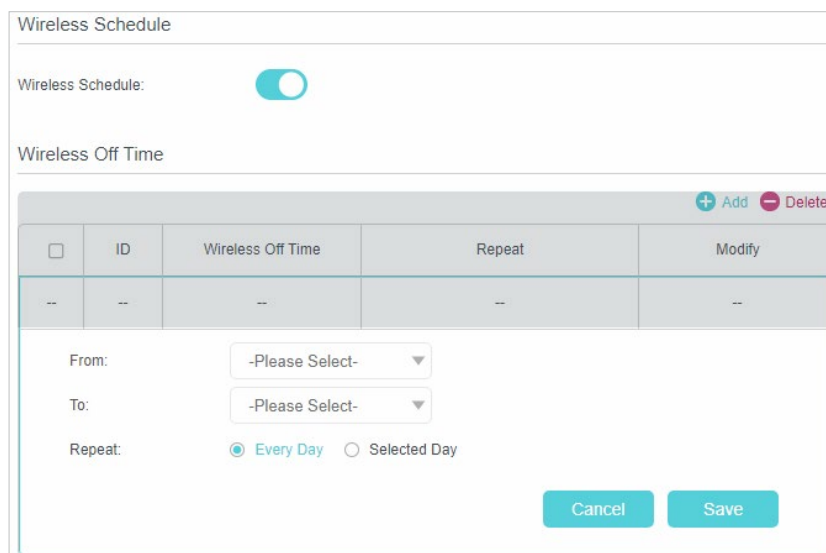
### 11.5.3. Schedule Your Wireless Function

You can automatically turn off your wireless network at time when you do not need the wireless connection.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [Wireless](#) > [Wireless Schedule](#) page.



3. Toggle on the button to enable the Wireless Schedule feature.



The image shows a 'Wireless Schedule' configuration window. At the top, there is a toggle switch for 'Wireless Schedule' which is currently turned on. Below this is a section for 'Wireless Off Time'. It contains a table with columns: ID, Wireless Off Time, Repeat, and Modify. The table has one row with dashes in each column. To the right of the table are '+ Add' and '- Delete' buttons. Below the table, there are two dropdown menus for 'From:' and 'To:', both currently set to '-Please Select-'. Below these is a 'Repeat:' section with two radio buttons: 'Every Day' (which is selected) and 'Selected Day'. At the bottom right of the window are 'Cancel' and 'Save' buttons.

4. Set the wireless off time. Select **From** and **To** time and click **Save** to make the settings effective. You can repeat the schedule every day or just certain days in a week.

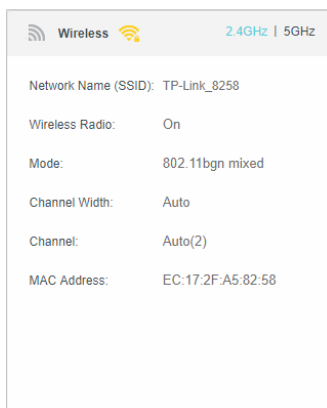
**Note:**

1. Please make sure that the time of the router is correct before using this function. For more details, refer to [Set System Time](#).
2. The wireless LED will turn off if both wireless networks are disabled.
3. The wireless network will be automatically turned on after the time period you set.

#### 11.5.4. View Wireless Information

➤ **To view the detailed wireless network settings:**

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Status** page. You can see the **Wireless** box.
3. Select 2.4GHz or 5GHz to view the wireless details.



The image shows the 'Wireless' status page. At the top, there is a 'Wireless' header with a signal icon and a toggle switch. To the right of the header are '2.4GHz' and '5GHz' buttons. Below the header, there is a table with the following information:

|                      |                   |
|----------------------|-------------------|
| Network Name (SSID): | TP-Link_8258      |
| Wireless Radio:      | On                |
| Mode:                | 802.11bgn mixed   |
| Channel Width:       | Auto              |
| Channel:             | Auto(2)           |
| MAC Address:         | EC:17:2F:A5:82:58 |

 **Tips:**

You can also see the wireless details by clicking the router icon on [Basic > Network Map](#).

➤ **To view the detailed information of the connected wireless clients:**

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced > Wireless > Statistics](#) page.
3. You can view the detailed information of the wireless clients, including its connected wireless band and security option as well as the packets transmitted.

 **Tips:**

You can also see the wireless details by clicking the wireless clients icon on [Basic > Network Map](#).

### 11.5.5. Advanced Wireless Settings

Advanced wireless settings are for those have a network concept. If you are not familiar with the settings on this page, it's strongly recommended that you keep the provided default values; otherwise it may result in lower wireless network performance.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced > Wireless > Advanced Settings](#) page.

Advanced Settings

2.4GHz | 5GHz

|                          |                                            |           |
|--------------------------|--------------------------------------------|-----------|
| Beacon Interval:         | <input type="text" value="100"/>           | (25-1000) |
| RTS Threshold:           | <input type="text" value="2346"/>          | (1-2346)  |
| DTIM Interval:           | <input type="text" value="1"/>             | (1-255)   |
| Group Key Update Period: | <input type="text" value="0"/>             | seconds   |
| WMM:                     | <input checked="" type="checkbox"/> Enable |           |
| Short GI:                | <input checked="" type="checkbox"/> Enable |           |
| AP Isolation:            | <input type="checkbox"/> Enable            |           |

Save



- **Beacon Interval** - Enter a value between 25 and 1000 in milliseconds to determine the duration between which beacon packets are broadcasted by the router to synchronize the wireless network. The default is 100 milliseconds.
- **RTS Threshold** - Enter a value between 1 and 2346 to determine the packet size of data transmission through the router. By default, the RTS (Request to Send) Threshold size is 2346. If the packet size is greater than the preset threshold, the router sends Request to Send frames to a particular receiving station and negotiates the sending of a data frame, or else the packet will be sent immediately.
- **DTIM Interval** - Enter a value between 1 and 255 to determine the interval of the Delivery Traffic Indication Message (DTIM). 1 indicates the DTIM Interval is the same as **Beacon Interval**.
- **Group Key Update Period** - Enter the number of seconds (minimum 30) to control the time interval for the encryption key automatic renewal. The default is 0, indicating no key renewal.
- **WMM** - This feature guarantees the packets with high-priority messages being transmitted preferentially. WMM is enabled compulsively under 802.11n or 802.11ac mode. It is strongly recommended to enable WMM.
- **Short GI** - This feature is enabled by default and recommended to increase the data capacity by reducing the Guard Interval (GI) time.
- **AP Isolation** - Select this checkbox to enable the AP Isolation feature that allows you to confine and restrict all wireless devices on your network from interacting with each other, but still able to access the internet. AP isolation is disabled by default.

## 11.6. Set Up a Dynamic DNS Service Account

Most ISPs (internet service providers) assign a dynamic IP address to the router and you can use this IP address to access your router remotely. However, the IP address can change any time and you don't know when it changes. In this case, you might need the DDNS (Dynamic Domain Name Server) feature on the router to allow you and your friends to access your router and local servers (FTP, HTTP, etc.) using domain name, in no need of checking and remembering the IP address.

■ **Note:**

DDNS does not work if the ISP assigns a private WAN IP address (such as 192.168.1.x) to the router.

To set up DDNS, please follow the instructions below:

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > Network > Dynamic DNS**.
3. Select the **DDNS service provider** (Dyndns or NO-IP). If you don't have a DDNS account, select a service provider and click [Go to register](#).



### Dynamic DNS Settings

Service Provider: ☒ DynDNS ☐ NO-IP [Go to register...](#)

Username:

Password:

Domain Name:

Disconnected

- Enter the username, password and domain name of the account (such as lisa.ddns.net).
- Click [Log in](#) and [Save](#).

**Tips:**

If you want to use a new DDNS account, please log out first, then log in with the new account.

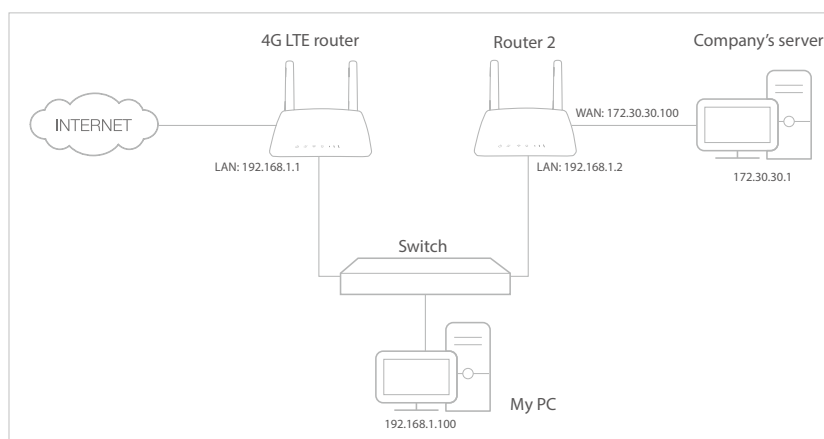
## 11.7. Create Static Routes

A static route is a pre-determined path that network information must travel to reach a specific host or network. Data from one point to another will always follow the same path regardless of other considerations. Normal internet usage does not require this setting to be configured.

### I want to:

Visit multiple networks and multiple servers at the same time.

[For example](#), in a small office, my PC can surf the internet, but I also want to visit my company's server. Now I have a switch and another router. I connect the devices as shown in the following figure so that the physical connection between my PC and my company's server is achieved. To surf the internet and visit my company's network at the same time, I need to configure the static routing.



## How can I do that?

1. Make sure the routers use different LAN IP addresses on the same subnet. Disable DHCP function of Router 2.
2. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
3. Go to **Advanced > Network > Static Routing**.

| ID | Network Destination | Subnet Mask | Gateway | Status | Modify |
|----|---------------------|-------------|---------|--------|--------|
| -- | --                  | --          | --      | --     | --     |

4. Click **Add** to add a new static routing entry. Finish the settings according to the following explanations:

Static Route configuration form:

- Network Destination: [Input field]
- Subnet Mask: [Input field]
- Gateway: [Input field]
- Interface: LAN (dropdown menu)
- ☒ Enable This Entry
- Buttons: Cancel, Save

- **Network Destination** - The destination IP address that you want to assign to a static route. This IP address cannot be on the same subnet with the WAN IP or LAN IP of the router. In the example, the IP address of the company network is the destination IP address, so here enters 172.30.30.1.
- **Subnet Mask** - Determines the destination network with the destination IP address. If the destination is a single IP address, enter 255.255.255.255; otherwise, enter the subnet mask of the corresponding network IP. In the example, the destination network is a single IP, so here enters 255.255.255.255.
- **Gateway** - The IP address of the gateway device to which the data packets will be sent. This IP address must be on the same subnet with the router's IP which sends out the data. In the example, the data packets will be sent to the LAN port of Router 2 and then to the Server, so the gateway should be 192.168.1.2

- **Interface** - Determined by the port that sends out the data packets. In the example, the data is sent to the gateway through the LAN port.
5. Select the checkbox to enable this entry.
  6. Click **Save** to save the settings.

## Done!

Open a web browser on your PC. Enter the company server's IP address to visit the company network.

## 11.8. Set up a VPN Connection

VPN (Virtual Private Network) is a private network established across the public network, generally via the internet. However, the private network is a logical network without any physical network lines, so it is called Virtual Private Network.

With the wide application of the internet, more and more data need to be shared through the internet. Connecting the local network to the internet directly, though can allow the data exchange, will cause the private data to be exposed to all the users on the internet.

### 11.8.1. Use IPsec VPN to Access Your Home Network

The VPN (Virtual Private Network) technology is developed and used to establish the private network through the public network, which can provide a secure communication to a remote computer or remote network, and guarantee a secure data exchange. IPsec is one of the major implementations of VPNs.

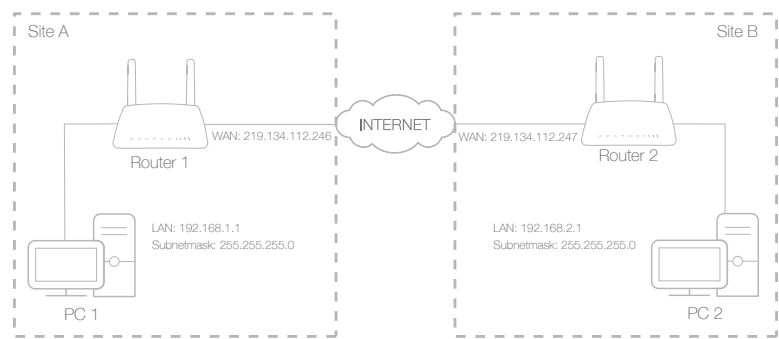
#### I want to:

Establish an IPsec VPN tunnel to connect two LANs via internet so that the hosts in different remote LANs are able to communicate with each other as if they are in the same LAN.

**For example**, I am the network administrator of a regional office, I need to let my office staff to visit the headquarters' servers and resources, and vice versa. I know that the router in my office and the device in headquarters both support IPsec VPN feature, so I decide to set up a VPN connection with the headquarter office.

The following diagram is a typical VPN topology. Here Site A refers to regional office's network (local network). And Site B refers to the headquarters' network (remote network) which I want to connect to.





How can I do that?

- 1. Make sure of the topology you want to build and record site A (local network) and site B (remote network)'s LAN IP and WAN IP.
- 2. Configuration on site A (local network).
  - 1) Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
  - 2) Go to **Advanced > VPN > IPSec VPN** to open the configuration page. Click **Add** to set up a VPN tunnel.

IPSec VPN

Dead Peer Detection: ☒

+ Add - Delete

| <input type="checkbox"/> | Connection Name | Remote Gateway | Local Address | Remote Address | Status | Enable | Modify |
|--------------------------|-----------------|----------------|---------------|----------------|--------|--------|--------|
| <input type="checkbox"/> | --              | --             | --            | --             | --     | --     | --     |

IPSec Connection Name:

Name

Remote IPSec Gateway (URL):

0.0.0.0

Tunnel access from local IP addresses:

Subnet Address

IP Address for VPN:

0 . 0 . 0 . 0

Subnet Mask:

255 . 255 . 255 . 0

Tunnel access from remote IP addresses:

Subnet Address

IP Address for VPN:

0 . 0 . 0 . 0

Subnet Mask:

255 . 255 . 255 . 0

Key Exchange Method:

Auto (IKE)

Authentication Method:

Pre-Shared Key

Pre-Shared Key:

psk\_key

Perfect Forward Security:

Enable

Advanced

Cancel Save

- 3) In the **IPSec Connection Name** column, specify a name.



- 4) In the [Remote IPSec Gateway \(URL\)](#) column, Enter Site B's WAN IP address.
- 5) To configure [Site A's LAN](#):  
In the [Tunnel access from local IP addresses](#) column, here we take [Subnet Address](#) as an example. Then input the LAN IP range of Site A in the [IP Address for VPN](#) column, and input [Subnet Mask](#) of Site A.
- 6) To configure [Site B's LAN](#):  
In the [Tunnel access from local IP addresses](#) column, here we take [Subnet Address](#) as an example. Then input the LAN IP range of Site B in the [IP Address for VPN](#) column, and input [Subnet Mask](#) of Site B.
- 7) Select the [Key Exchange Method](#) for the policy. We select [Auto\(IKE\)](#) here.
- 8) Enter the [Pre-Shared Key](#) for IKE authentication. Then keep [Perfect Forward Secrecy](#) enabled.

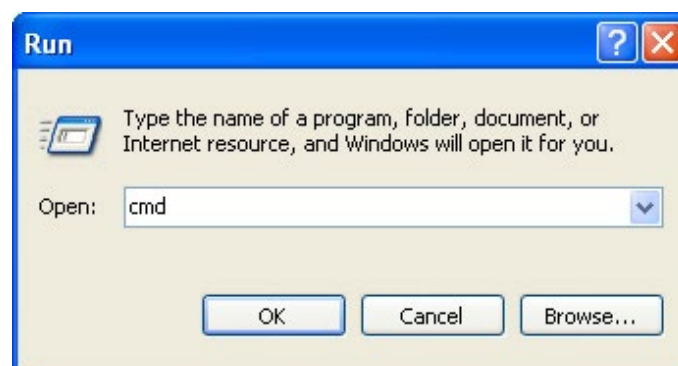
■ **Note:**

Make sure Site A and Site B use the same key.

- 9) Leave the [Advanced](#) Settings as default value. Then click [OK](#) to save.
3. Configuration on Site B (remote network). Refer to step 2 configuration on Site A and make sure that Site A and Site B use the same [pre-shared keys](#) and [Perfect Forward Secrecy](#) settings.
4. The [Status](#) column will change to [Up](#) if the VPN connection has been set up successfully.
5. Check the VPN connection. You can ping site B' LAN IP from your computer to verify that the IPSec VPN connection is set up correctly.

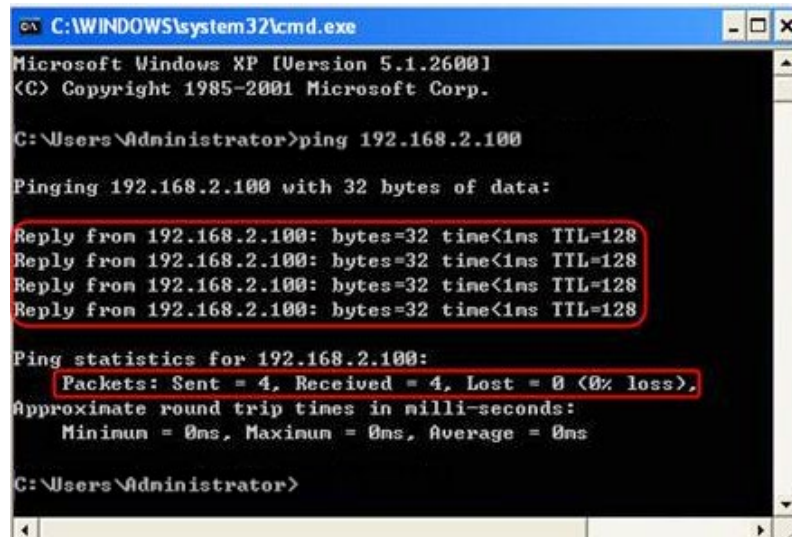
To check the VPN connection, you can do the following.

- a. On the host in Site A, press [\[Windows Logo\]](#) + [\[R\]](#) to open Run dialog. Input "[cmd](#)" and hit [OK](#).



- b. In the CLI window, type in "ping 192.168.2.x" ("192.168.2.x" can be IP address of any host in Site B). Then press [\[Enter\]](#).





```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Users\Administrator>ping 192.168.2.100

Pinging 192.168.2.100 with 32 bytes of data:

Reply from 192.168.2.100: bytes=32 time<1ms TTL=128
Reply from 192.168.2.100: bytes=32 time<1ms TTL=128
Reply from 192.168.2.100: bytes=32 time<1ms TTL=128
Reply from 192.168.2.100: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.2.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Administrator>

```

- c. If Ping proceeds successfully (gets replies from host in Site B), the IPSec connection is working properly now.

## Done!

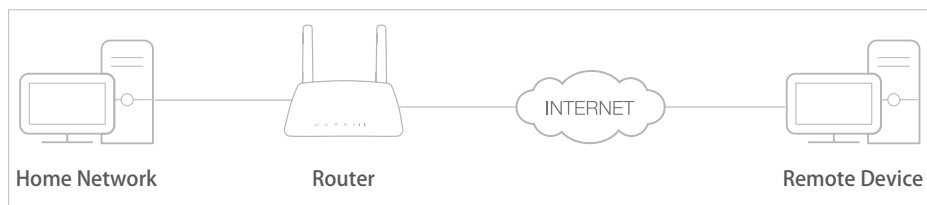
Now IPSec VPN is implemented to establish a connection.

### Note:

1. The product supports a maximum of ten simultaneous connections.
2. If one of the site has been off line for a while, for example, if Site A has been disconnected, on Site B you need to click [Disable](#) and then click [Enable](#) after Site A back on line in order to re-establish the IPSec tunnel.

## 11.8.2. Use OpenVPN to Access Your Home Network

In the OpenVPN connection, the home network can act as a server, and the remote device can access the server through the router which acts as an OpenVPN Server gateway. To use the VPN feature, you should enable OpenVPN Server on your router, and install and run VPN client software on the remote device. Please follow the steps below to set up an OpenVPN connection.



### Step1. Set up OpenVPN Server on Your Router

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [VPN Server](#) > [OpenVPN](#), and select [Enable VPN Server](#).

OpenVPN

**Note:** No certificate currently, please **Generate** one before enabling VPN Server.

☒ **Enable VPN Server**

Service Type: ☒ **UDP** ☐ TCP

Service Port:

VPN Subnet/Netmask:

Client Access: ☒ **Home Network Only** ☐ Internet and Home Network

**Save**

**Note:**

- Before you enable VPN Server, we recommend you configure Dynamic DNS Service (recommended) or assign a static IP address for router's WAN port and synchronize your System Time with internet.
- The first time you configure the OpenVPN Server, you may need to **Generate** a certificate before you enable the VPN Server.

3. Select the **Service Type** (communication protocol) for OpenVPN Server: UDP, TCP.
4. Enter a VPN **Service Port** to which a VPN device connects, and the port number should be between 1024 and 65535.
5. In the **VPN Subnet/Netmask** fields, enter the range of IP addresses that can be leased to the device by the OpenVPN server.
6. Select your **Client Access** type. Select **Home Network Only** if you only want the remote device to access your home network; select **Internet and Home Network** if you also want the remote device to access internet through the VPN Server.
7. Click **Save**.
8. Click **Generate** to get a new certificate.

Certificate

Generate the certificate.

**Generate**

**Note:**

If you have already generated one, please skip this step, or click **Generate** to update the certificate.

9. Click **Export** to save the OpenVPN configuration file which will be used by the remote device to access your router.

Configuration File

Export the configuration.

**Export**

## Step 2. Configure OpenVPN Connection on Your Remote Device



1. Visit <http://openvpn.net/index.php/download/community-downloads.html> to download the OpenVPN software, and install it on your device where you want to run the OpenVPN client utility.

■ **Note:**

You need to install the [OpenVPN](#) client utility on each device that you plan to apply the VPN function to access your router. Mobile devices should download a third-party app from Google Play or Apple App Store.

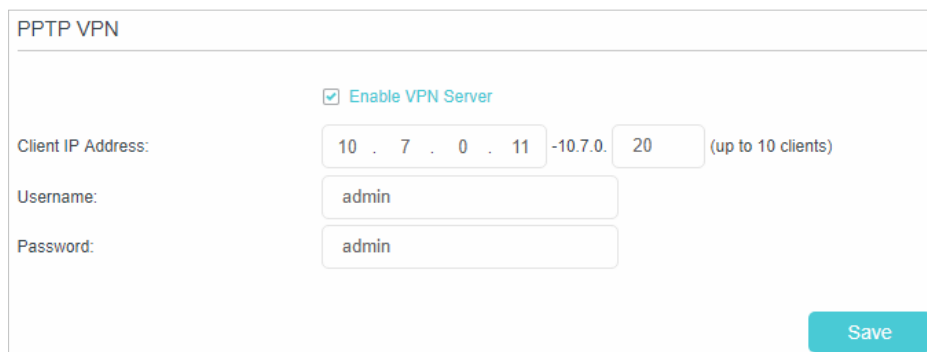
2. After the installation, copy the file exported from your router to the OpenVPN client utility's "config" folder (for example, `C:\Program Files\OpenVPN\config` on Windows). The path depends on where the OpenVPN client utility is installed.
3. Run the OpenVPN client utility and connect it to OpenVPN Server.

### 11.8.3. Use PPTP VPN to Access Your Home Network

PPTP VPN Server is used to create a VPN connection for remote device. To use the VPN feature, you should enable PPTP VPN Server on your router, and configure the PPTP connection on the remote device. Please follow the steps below to set up a PPTP VPN connection.

#### Step 1. Set up PPTP VPN Server on Your Router

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [VPN Server](#) > [PPTP VPN](#), and select [Enable VPN Server](#).



■ **Note:**

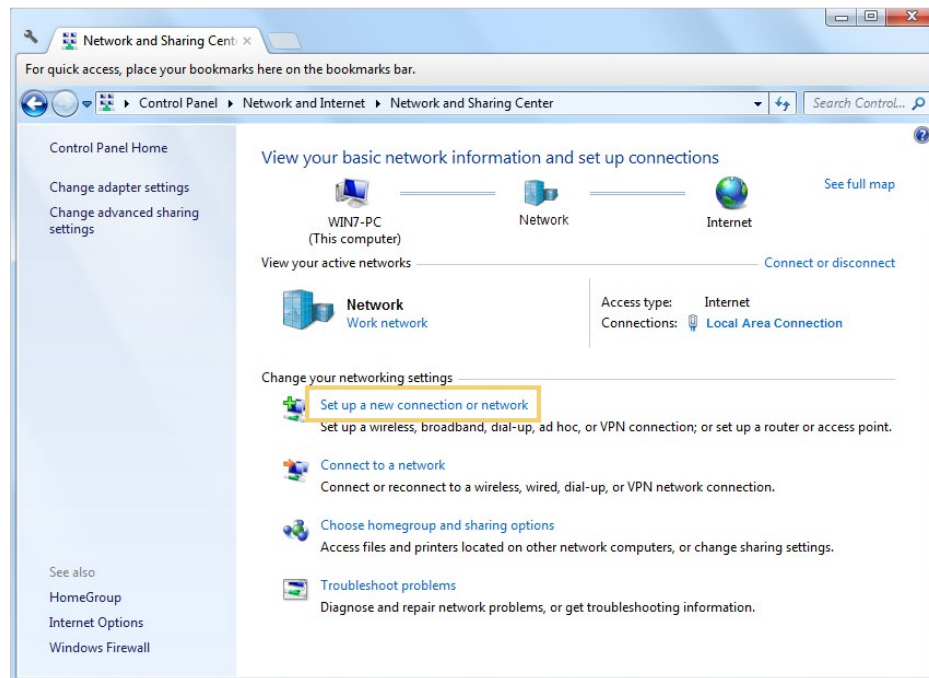
Before you enable [VPN Server](#), we recommend you configure Dynamic DNS Service (recommended) or assign a static IP address for router's WAN port and synchronize your [System Time](#) with internet.

3. In the [Client IP Address](#) field, enter the range of IP addresses (up to 10) that can be leased to the devices by the PPTP VPN server.
4. In the [Username/Password](#) field, enter the username and password to authenticate clients to the PPTP VPN server.
5. Click [Save](#).

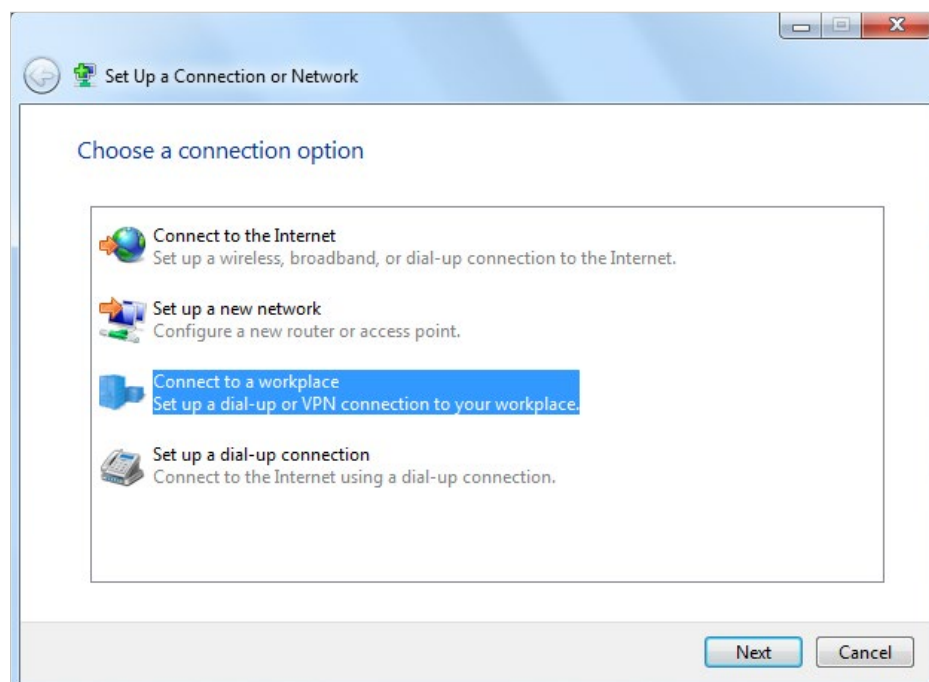
#### Step 2. Configure PPTP VPN Connection on Your Remote Device

The remote device can use the Windows built-in PPTP software or a third-party PPTP software to connect to PPTP Server. Here we use the [Windows built-in PPTP software](#) as an example.

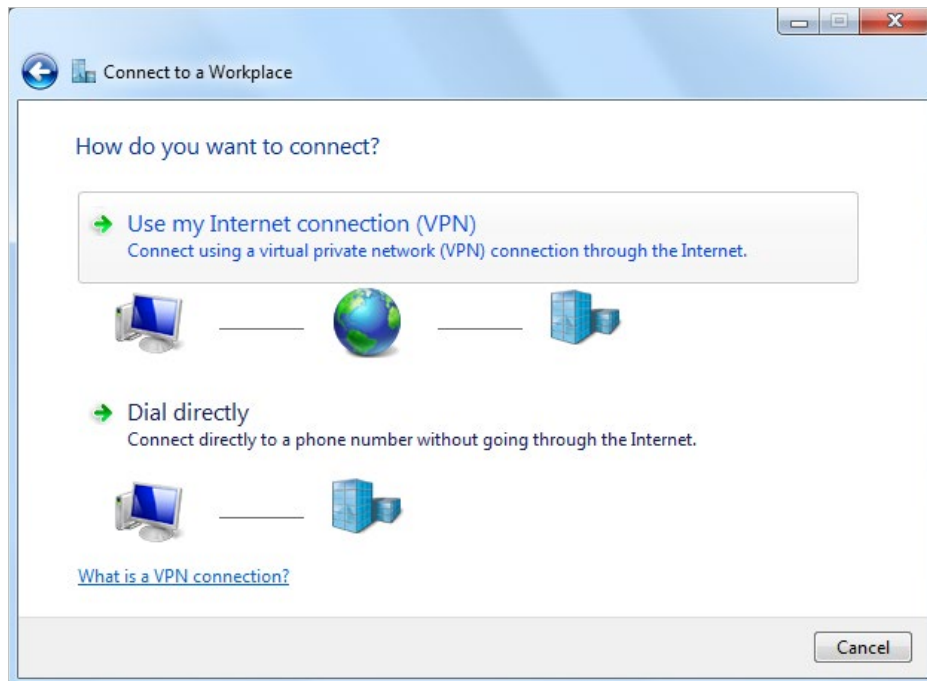
1. Go to [Start > Control Panel > Network and Internet > Network and Sharing Center](#).
2. Select [Set up a new connection or network](#).



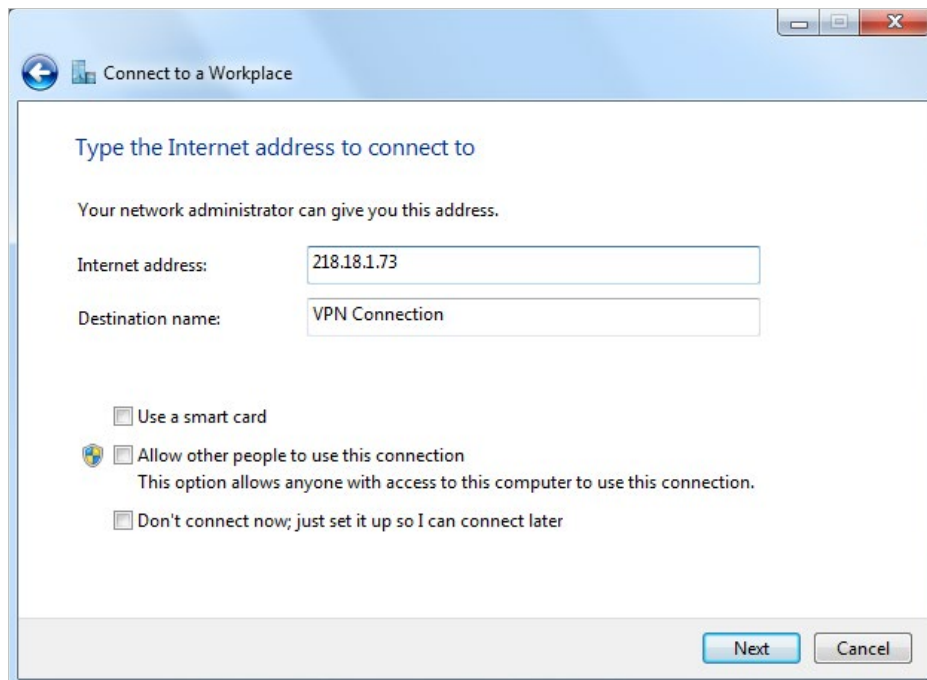
3. Select [Connect to a workplace](#) and click [Next](#).



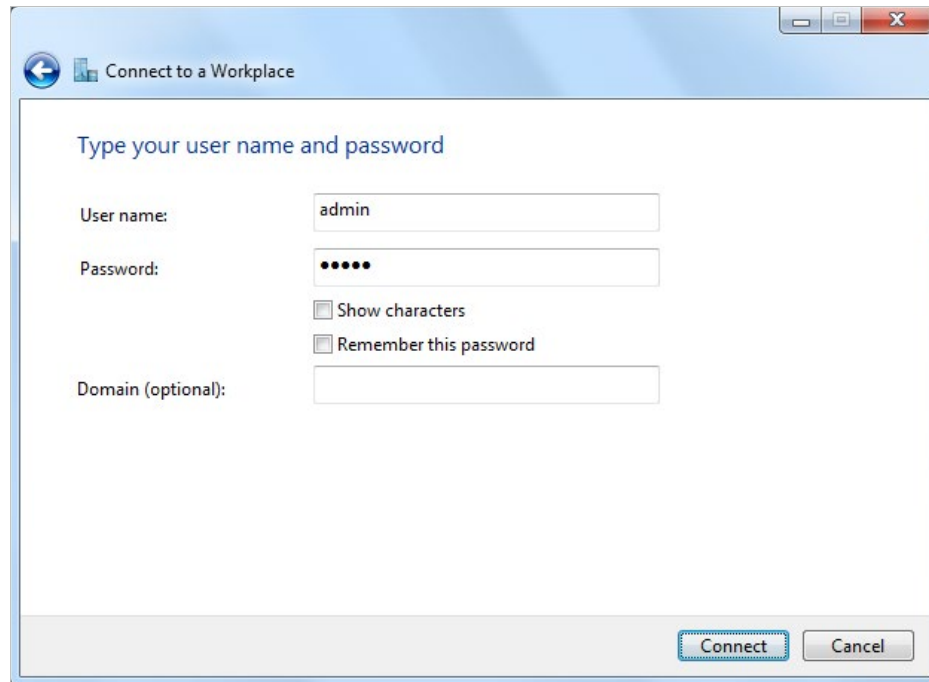
4. Select **Use my Internet connection (VPN)**.



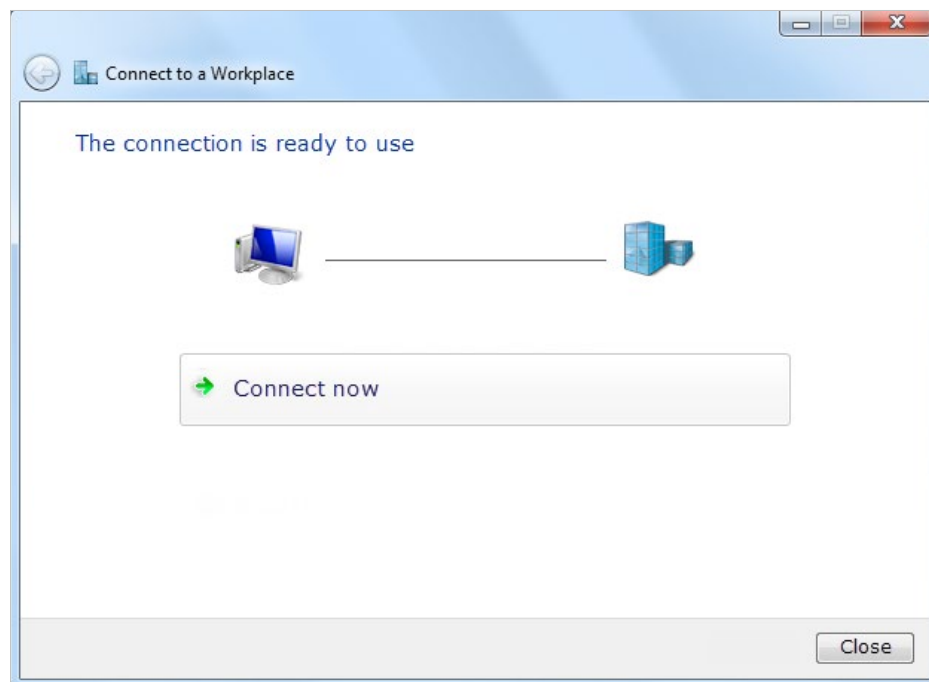
5. Enter the internet IP address of the router (for example: 218.18.1.73) in the **Internet address** field. Click **Next**.



6. Enter the **User name** and **Password** you have set for the PPTP VPN server on your router, and click **Connect**.



7. The PPTP VPN connection is created and ready to use.



## Chapter 12

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# Administrate Your Network

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This chapter introduces how to change the system settings and administrate your router's network.

This chapter contains the following sections:

- [Set System Time](#)
- [Update the Firmware](#)
- [Back up and Restore Configuration Settings](#)
- [Change the Administrator Account](#)
- [Local Management](#)
- [Remote Management](#)
- [System Log](#)
- [Monitor the Internet Traffic Statistics](#)
- [CWMP Settings](#)
- [SNMP Settings](#)



## 12.1. Set System Time

System time is the time displayed while the router is running. The system time you configure here will be used for other time-based functions like Parental Controls and Wireless Schedule. You can manually set how to get the system time.

Follow the steps below to set your system time.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [System Tools](#) > [Time Settings](#) page.

System Time

Current Time: 12:00:00

Time Zone: GMT Standard Time (GMT+08:00) [v]

Date: 12/25/2016 (MM/DD/YY)

Time: 0 : 12 : 16

NTP Server I: 0.0.0.0 (Optional)

NTP Server II: 0.0.0.0 (Optional)

Get from PC Get from the Internet Save

3. Configure the system time using the following methods :
  - Manually** - Select your time zone and enter your local time.
  - Get from PC** - Click this button if you want to use the current managing PC's time.
  - Get from the Internet** - Click this button if you want to get time from the internet. Make sure your router can access the internet before you select this way to get system time.
4. Click [Save](#) to make your settings effective.
5. After setting the system time, you can set [Daylight Saving](#) time according to your needs. Tick the checkbox to enable [Daylight Saving](#), set the start and end time and then click [Save](#) to make the settings effective.

Daylight Saving Time

☒ Enable Daylight Saving Time

Start: Mar Last Sun 02:00

End: Oct Last Sun 03:00

Save



## 12.2. Update the Firmware

TP-Link is dedicated to improving and enriching the product features, giving you a better network experience.

We will inform you through the web management page if there's any update firmware available for your router. Also, the latest firmware will be released at TP-Link official website, you can download it from the [Support](#) page of our website [www.tp-link.com](http://www.tp-link.com) for free.

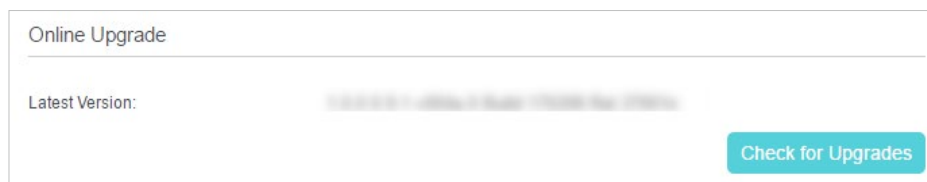
**Note:**

1. Make sure that you have a stable connection between the router and your computer. It is NOT recommended to upgrade the firmware wirelessly.
2. Make sure you remove any USB storage device connected to the router before the firmware upgrade to prevent data loss.
3. Back up your router configuration before upgrading the firmware.
4. Do NOT turn off the router during the firmware upgrade.

### 12.2.1. Online Upgrade

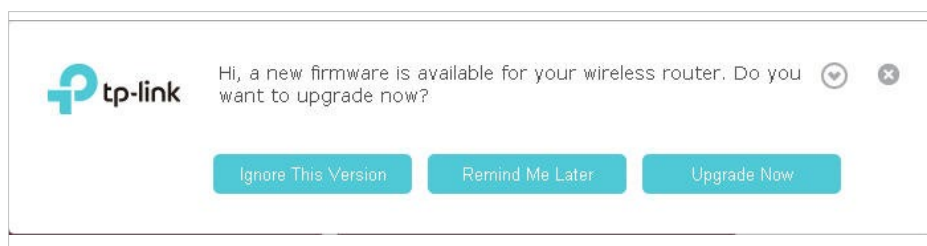
1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. If there's any firmware update available for your router, the update icon  will display on the top-right corner of the page. Click the icon to go to the [Firmware Upgrade](#) page.

Alternatively, you can go to [Advanced](#) > [System Tools](#) > [Firmware Upgrade](#), and click [Check for Upgrades](#) to see if there's any new firmware.



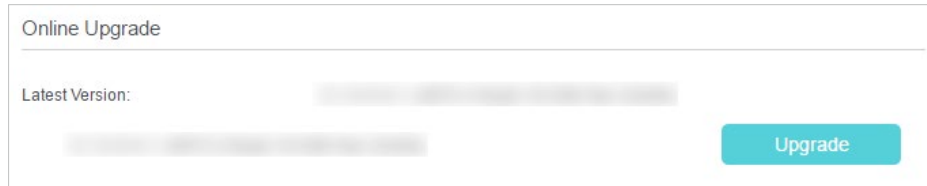
**Tips:**

If there's any new important firmware update for your router, you will see the notification (similar as shown below) on your computer when open a new web page. Click [Upgrade Now](#), and log in to the web management page. You will see the [Firmware Upgrade](#) page.



3. Focus on the [Online Upgrade](#) section, and click [Upgrade](#).





Online Upgrade

Latest Version: [blurred text]

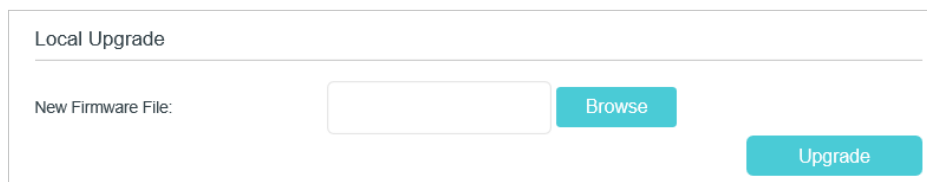
[blurred text]

Upgrade

4. Wait a few moments for the upgrading and rebooting.

### 12.2.2. Local Upgrade

1. Download the latest firmware file for the router from our website [www.tp-link.com](http://www.tp-link.com).
2. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
3. Go to [Advanced](#) > [System Tools](#) > [Firmware Upgrade](#).
4. Focus on the Device Information section. Make sure the downloaded firmware file matches with the [Hardware Version](#).
5. Focus on the [Local Upgrade](#) section. Click [Browse](#) to locate the downloaded new firmware file, and click [Upgrade](#).



Local Upgrade

New Firmware File: [input field]

Browse

Upgrade

6. Wait a few moments for the upgrading and rebooting.

## 12.3. Back up and Restore Configuration Settings

The configuration settings are stored as a configuration file in the router. You can back up the configuration file to your computer for future use and restore the router to a previous settings from the backup file when needed. Moreover, if needed you can erase the current settings and reset the router to the default factory settings.

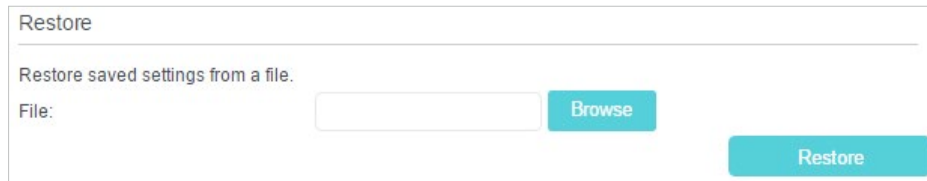
➤ **To back up configuration settings:**

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Click [Advanced](#) > [System Tools](#) > [Backup & Restore](#) page.
3. Click [Backup](#) to save a copy of the current settings to your local computer. A conf. bin file will be stored to your computer.



➤ **To restore configuration settings:**

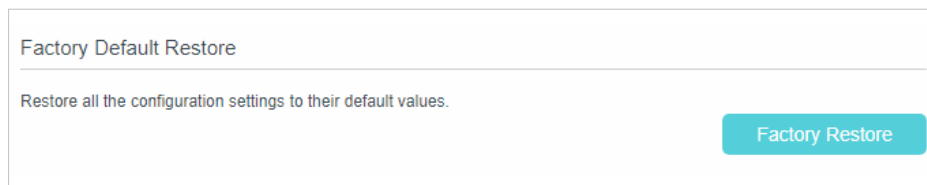
1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Click **Advanced > System Tools > Backup & Restore** page.



3. Click **Browse** to locate the previous backup configuration file, and click **Restore**.
4. Wait for the restoring and then the router will automatically reboot.

➤ **To reset the router to factory default settings:**

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Click **Advanced > System Tools > Backup & Restore** page.



3. Click **Factory Restore** to reset the router.
4. Wait for the resetting and then the router will automatically reboot.

📌 **Note:**

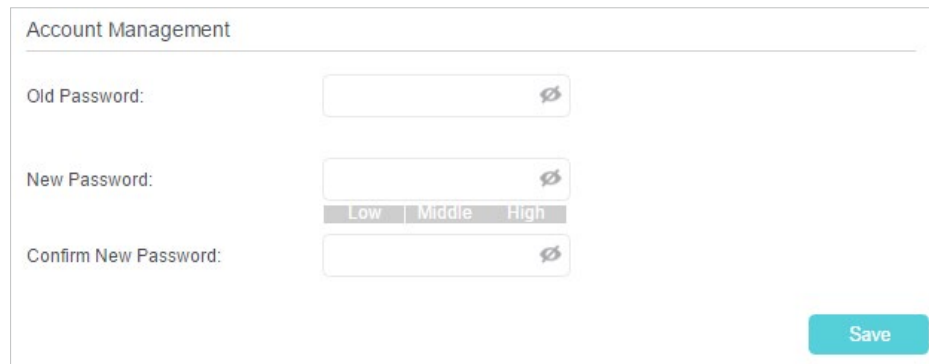
1. Do not interrupt or turn off the router during the resetting process.
2. We strongly recommend you to back up the current configuration settings before resetting the router.

## 12.4. Change the Administrator Account

Admin account is used to log in to the router's web-based management page. You are required to set the admin account at the first login. You can change it on the web page.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > System Tools > Administration** page. Locate the **Account Management** section.





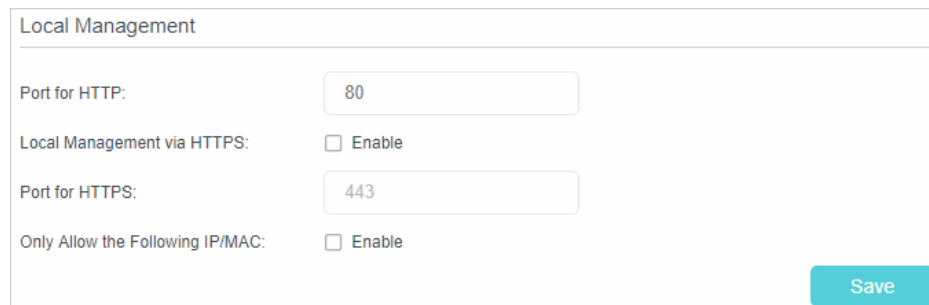
3. Enter the old password. Enter the new password and enter again to confirm.
4. Click [Save](#) to make the settings effective.

## 12.5. Local Management

You can control the local devices' authority to manage the router via the Local Management feature. By default all local connected devices are allowed to manage the router. You can also allow only one device to manage the router.

Follow the steps below to specify the local management.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [System Tools](#) > [Administration](#) page. Locate the [Local Management](#) section.



3. Enable Local Management via HTTPS if you want to access the router via both HTTPS and HTTP, or keep it disabled if you only want to access the router via HTTP.
4. Keep the Port for HTTP and Port for HTTPS as the default settings.



5. If you only want to allow one specific device to manage the router, enable **Only Allow the Following IP/MAC** and then enter the **IP Address** or **MAC Address** of the device in the IP/MAC Address field.
6. Click **Save** to make the settings effective.

## 12.6. Remote Management

By default, the remote devices are not allowed to manage the router from the internet. Follow the steps below to allow remote devices to manage the router.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > System Tools > Administration** page. Locate the **Remote Management** section.

### Remote Management

Note: Remote Management is not supported when you are connected to the internet only via IPv6. If you want to use Remote Management, please make sure you have set up an IPv4 connection first.

Remote Management: ☐ Enable

Remote Management via HTTPS: ☒ Enable

Port:

Manage This Router via the Address:

Your router is not connected to the internet via IPv4.

Client Device Allowed for Remote Management:

☐ Only the Following IP/MAC Address

☒ All

Save



3. Enable [Remote Management](#) if you want to allow Remote Management via HTTPS, or enable [Remote Management](#) and then disable Remote Management via HTTPS if you only want to allow Remote Management via HTTP.
4. Keep the [Port](#) as the default setting.
5. If you only want to allow one specific device to manage the router, select [Only the Following IP/MAC Address](#) and then enter the [IP Address](#) or [MAC Address](#). If you want to allow all remote devices can access the router, select [All](#).
6. Click [Save](#) to make the settings effective.

🔗 Tips:

1. You can find the WAN IP address of the router on [Basic > Network Map > Internet](#).
2. The router's WAN IP is usually a dynamic IP. Please refer to [Set Up a Dynamic DNS Service Account](#) if you want to log in to the router through a domain name.

## 12.7. System Log

System Log can help you know what happens to your router, facilitating you to locate the malfunctions. For example when your router does not work properly, you will need to save the system log and send it to the technical support for troubleshooting.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Click [Advanced > System Tools > System Log](#) page.

System Log

Type: ALL
Level: Debug

Refresh Delete All

| ID | Time | Type   | Level  | Log Content                          |
|----|------|--------|--------|--------------------------------------|
| 1  |      | DHCPD  | Notice | Send ACK to 192.168.1.100            |
| 2  |      | DHCPD  | Notice | Recv REQUEST from 40:8D:5C:89:74:B5  |
| 3  |      | DHCPD  | Notice | Send OFFER with ip 192.168.1.100     |
| 4  |      | DHCPD  | Notice | Recv DISCOVER from 40:8D:5C:89:74:B5 |
| 5  |      | SYSTEM | Notice | Enable access control                |

Log Settings
Save Log

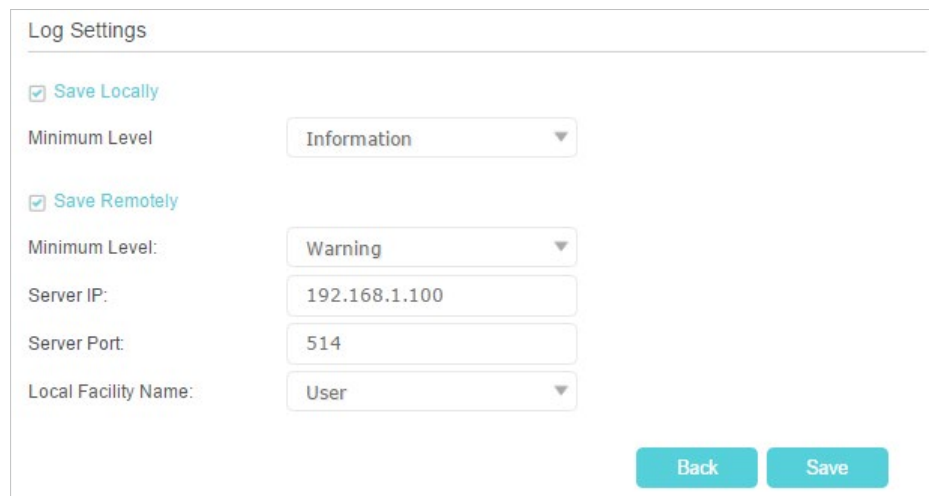
➤ **To view the system logs:**

1. Select the log Type. Select [ALL](#) to view all kinds of logs, or select [DHCPD](#) or [IGMP](#) to view the specific logs.
2. Select the log Level and you will see the logs with the specific or higher levels.
3. Click [Refresh](#) to refresh the log list.

➤ **To save the system logs:**

You can choose to save the system logs to your local computer or a remote server.

1. Click [Save Log](#) to save the logs in a txt file to your computer.
2. Click [Log Settings](#) to set the save path of the logs.



Log Settings

☒ [Save Locally](#)

Minimum Level: [Information](#)

☒ [Save Remotely](#)

Minimum Level: [Warning](#)

Server IP: [192.168.1.100](#)

Server Port: [514](#)

Local Facility Name: [User](#)

[Back](#) [Save](#)

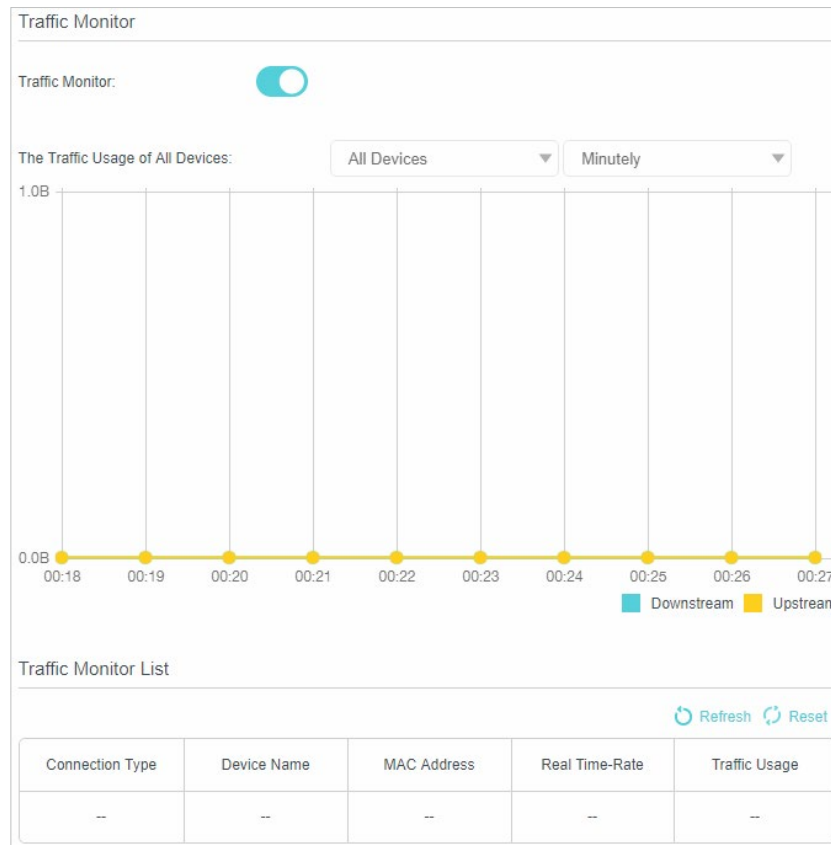
- [Save Locally](#) - Select this option to cache the system log to the router's local memory, select the minimum level of system log to be saved from the drop-down list. The logs will be shown in the table in descending order on the System Log page.
- [Save Remotely](#) - Select this option to send the system log to a remote server, select the minimum level of system log to be saved from the drop-down list and enter the information of the remote server. If the remote server has a log viewer client or a sniffer tool implemented, you can view and analyze the system log remotely in real-time.

## 12.8. Monitor the Internet Traffic Statistics

The Traffic Monitor page displays the network traffic of the LAN, WAN and WLAN sent and received packets, allowing you to monitor the volume of internet traffic statistics.



1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to [Advanced](#) > [System Tools](#) > [Statistics](#) page.
3. Toggle on [Traffic Monitor](#), and then you view the traffic usage of a device in the past 10 minutes or that of all devices in the past 10 minutes/24 hours/7 days.



## 12.9. CWMP Settings

The router offers CWMP feature. The function supports TR-069 protocol which collects information, diagnoses the devices and configures the devices automatically via ACS (Auto-Configuration Server).

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.



2. Go to [Advanced](#) > [System Tools](#) > [CWMP Settings](#) page.

- [Enable CWMP](#) - Toggle On to enable the CWMP (CPE WAN Management Protocol) feature.
- [Inform](#) - Enable this feature to send an Inform message to the ACS (Auto Configuration Server) periodically.
- [Inform Interval](#) - Enter the time in seconds when the Inform message will be sent to the ACS.
- [ACS URL](#) - Enter the web address of the ACS which is provided by your ISP.
- [ACS Username/Password](#) - Enter the username/password to log in to the ACS server.
- [Interface used by TR-069 client](#) - Select which interface to be used by the TR-069 client.
- [Display SOAP messages on serial console](#) - Toggle to enable or disable this feature.
- [Connection Request Authentication](#) - Select this checkbox to enable authentication for the connection request.
- [Username/Password](#) - Enter the username/password for the ACS server to log in to the router.
- [Path](#) - Enter the path for the ACS server to log in to the router.
- [Port](#) - Enter the port that connects to the ACS server.



- **URL** - Enter the URL that connects to the ACS server.
  - **Get RPC Methods** - Click to get the methods to support CWMP.
3. Click **Save** to make the settings effective.

## 12. 10. SNMP Settings

SNMP (Simple Network Management Protocol) has been widely applied in the computer networks currently, which is used for ensuring the transmission of the management information between two nodes. In this way, network administrators can easily search and modify the information on any node on the network. Meanwhile, they can locate faults promptly and implement the fault diagnosis, capacity planning and report generating.

An **SNMP Agent** is an application running on the router that performs the operational role of receiving and processing SNMP messages, sending responses to the SNMP manager, and sending traps when an event occurs. So a router contains SNMP "agent" software can be monitored and/or controlled by SNMP Manager using SNMP messages.

1. Visit <http://tplinkmodem.net>, and log in with the password you set for the router.
2. Go to **Advanced > System Tools > SNMP Settings** page.

SNMP Settings

SNMP Agent: ☒

SNMP Agent for WAN: ☐

Read-only Community:

Write Community:

System Name:

System Description:

System Location:

System Contact:

Trap Manager IP:

Save

- **Enable SNMP Agent/SNMP Agent for WAN** - Toggle On to enable the built-in SNMP agent that allows the router to operate as the operational role in receiving and processing of SNMP messages, sending responses to the SNMP manager, and triggering SNMP traps when an event occurs.
- **Read-only Community** - Displays the default public community string that protects the router from unauthorized access.



- [Write Community](#) - Displays the default read and write community string that protects the router from unauthorized changes.
  - [System Name](#) - Displays the administratively-assigned name for this managed device.
  - [System Description](#) - Displays the textual description of the managed device. This value should include the full name and version identification of the system's hardware type, software operating-system, and networking software.
  - [System Location](#) - Displays the physical location of this device (e.g. telephone closet, 3rd floor).
  - [System Contact](#) - Displays the textual identification of the contact person for this managed device, together with information on how to contact this person.
  - [Trap Manager IP](#) - Displays the IP address of the host to receive the traps.
3. It is recommended to keep the default settings. Click [Save](#) to make the settings effective.



# FAQ

## Q1. How do I restore my router to its factory default settings?

With the router powered on, press and hold the WPS/RESET button on the rear panel until the Power LED starts flashing.

**Note:**

Once the router is reset, the current configuration settings will be lost and you will need to re-configure the router.

## Q2. What should I do if I forget my password?

- **Web Management page password:**

Restore the router to its factory default settings and then create a new password using 1-32 characters.

- **Wireless Network password:**

1. The default Wireless Password/PIN is printed on the product label of the router.
2. If the default wireless password has been changed, log in to the router's web management page and go to [Basic](#) > [Wireless](#) to retrieve or reset your password.

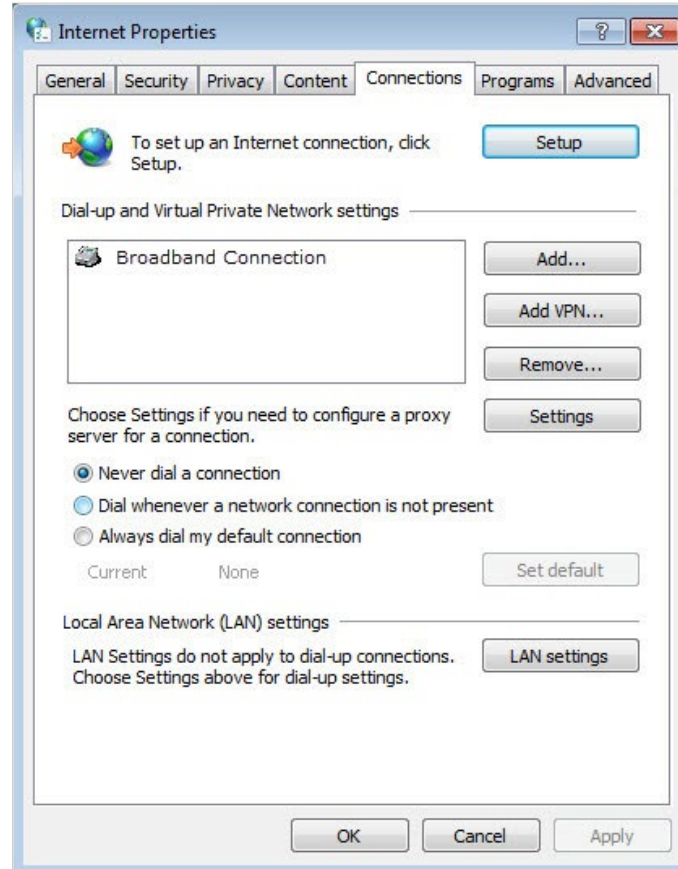
## Q3. What should I do if I cannot access the web management page?

This can happen for a variety of reasons. Please try the methods below to log in again.

- Make sure your computer has connected to the router correctly and the corresponding LED lights up.
- Make sure the IP address of your computer is configured as [Obtain an IP address automatically](#) and [Obtain DNS server address automatically](#).
- Make sure you enter the correct IP address to log in: <http://tplinkmodem.net>.
- Check your computer's settings:
  - 1) Go to [Start](#) > [Control Panel](#) > [Network and Internet](#), and click [View network status and tasks](#).
  - 2) Click [Internet Options](#) on the bottom left.



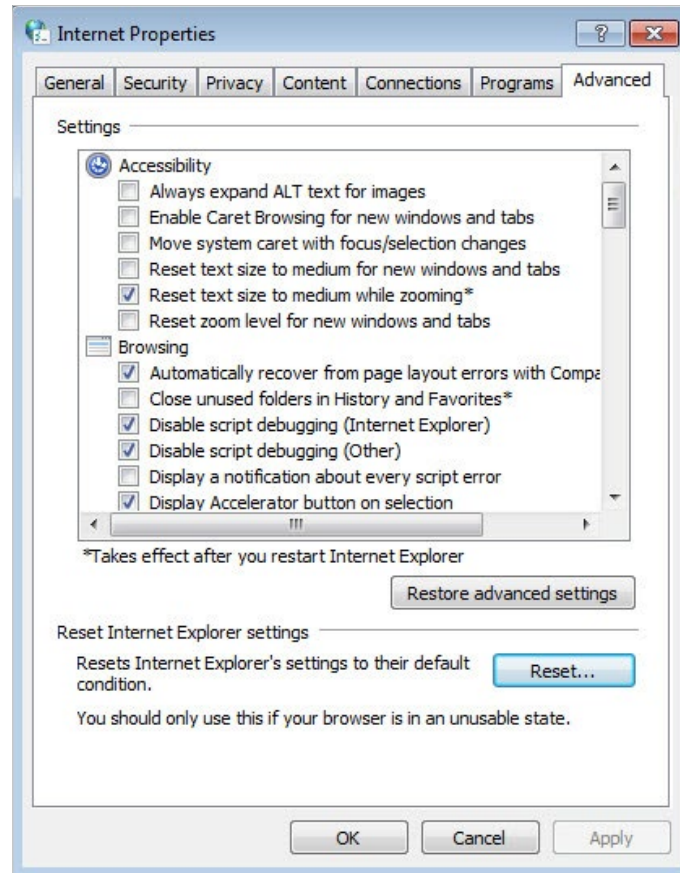
3) Click [Connections](#) and select [Never dial a connection](#).



4) Click [LAN settings](#), deselect the following three options and click [OK](#);



5) Go to **Advanced** > **Restore advanced settings**, click **OK** to save the settings.



- Use another web browser or computer to log in again.
- Reset the router to factory default settings and try again. If the login still fails, please contact the technical support.

■ **Note:** You'll need to reconfigure the router to surf the internet once the router is reset.

#### Q4. What can I do if I cannot access the internet?

1. Verify that your SIM card is an LTE or WCDMA card.
2. Verify that your SIM card is in your ISP's service area.
3. Verify that your SIM card has sufficient credit.
4. Check the LAN connection:  
Open a web browser and enter <http://tplinkmodem.net> or <http://192.168.1.1> in the address bar. If the login page does not appear, refer to Q3 and then try again.
5. Check your ISP parameters:
  - 1) Open a web browser and log in to the web management page.



- 2) Go to [Advanced](#) > [Network](#) > [Internet](#) to verify the parameters (including the APN, Username and Password) provided by your ISP are correctly entered. If the parameters are incorrect, click [Create Profile](#) and enter the correct parameters, then select the new profile from the Profile Name list.
6. Check the PIN settings:
  - 1) Open a web browser and log in to the web management page.
  - 2) Go to [Advanced](#) > [Network](#) > [PIN Management](#) to verify if PIN is required. If it is, enter the correct PIN provided by your ISP or disable [PIN Lock](#), and click [Save](#).
7. Check the Data Limit:
  - 1) Open a web browser and log in to the web management page.
  - 2) Go to [Advanced](#) > [Network](#) > [Data Settings](#) to verify if the [Total Used](#) exceeds the [Total Allowance](#) or if the [Monthly Used](#) exceeds the [Monthly Allowance](#). If it does, click [Correct](#) and set [Total/Monthly Used](#) to 0 (zero), or disable [Data Limit](#).
8. Check the Mobile Data:
  - 1) Open a web browser and log in to the web management page.
  - 2) Go to [Advanced](#) > [Network](#) > [Internet](#) to verify that [Mobile Data](#) is enabled. If not, toggle it On to access the internet.
9. Check the Data Roaming:
  - 1) Confirm with your ISP if you are in a roaming service area. If you are, open a web browser and log in to the web management page.
  - 2) Go to [Advanced](#) > [Network](#) > [Internet](#) to verify that [Data Roaming](#) is enabled. If not, toggle it On to access the internet.

## Q5. What should I do if my internet speed is slow?

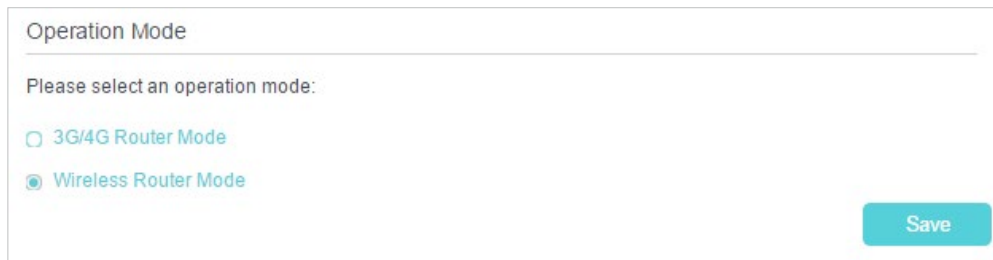
1. Make sure you are inside a network coverage area.
2. Relocate your router and your computer to have a better signal reception – you may be in or near a structure that is blocking the signal. Obstacles (for example, walls, ceilings, and furniture) between the router and other wireless devices decreases the signal strength.
3. The 2.4GHz Wi-Fi network may be interfered. It is recommended to use the 5GHz Wi-Fi network if your devices support it. Visit <http://tplinkmodem.net>, and log in with the password you set for the router. Go to [Basic](#) > [Wireless](#) page and enable [Wireless Network 5GHz](#). Then you can search the SSID of your 5GHz wireless network on your wireless devices and connect to it.



## Q6.How to use the router as a regular wireless router to share my internet ?

The router support two operation modes, 3G/4G Router Mode and Wireless Router mode. If you already have a modem or your internet comes via an Ethernet cable from the wall, you can set up the router as a regular wireless router to share the internet.

1. Connect your router's LAN4/WAN port to the modem or the network port.
2. Visit <http://tplinkmodem.net>, and log in with password you set for the router.
3. Go to [Advanced](#) > [Operation Mode](#) page.



Operation Mode

Please select an operation mode:

☐ 3G/4G Router Mode

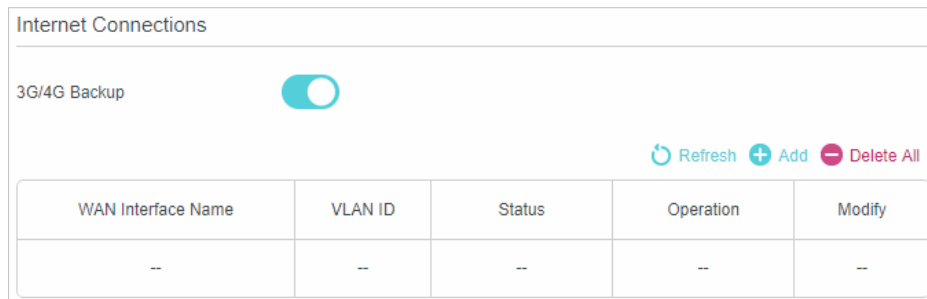
☒ Wireless Router Mode

Save

4. Select the [Wireless Router Mode](#) option and click [Save](#) to make the settings effective.

### Note:

1. In wireless router mode, you can use 3G/4G network as a backup solution for internet access. When [3G/4G Backup](#) is enabled, your router will be directly connected to the 3G/4G network when the original network service fails. To enable or disable [3G/4G Backup](#), go to [Advanced](#) > [Network](#) > [Internet](#).



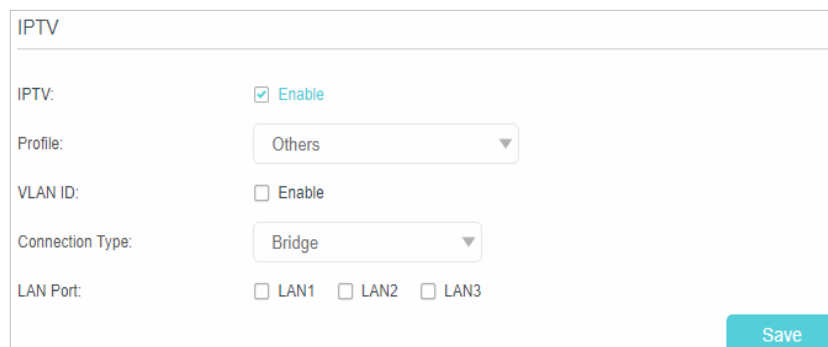
Internet Connections

3G/4G Backup ☒

Refresh Add Delete All

| WAN Interface Name | VLAN ID | Status | Operation | Modify |
|--------------------|---------|--------|-----------|--------|
| --                 | --      | --     | --        | --     |

2. In wireless router mode, you can set up your router for an IPTV connection. To enable and configure [IPTV](#), go to [Advanced](#) > [IPTV](#).



IPTV

IPTV: ☒ Enable

Profile: Others

VLAN ID: ☐ Enable

Connection Type: Bridge

LAN Port: ☐ LAN1 ☐ LAN2 ☐ LAN3

Save



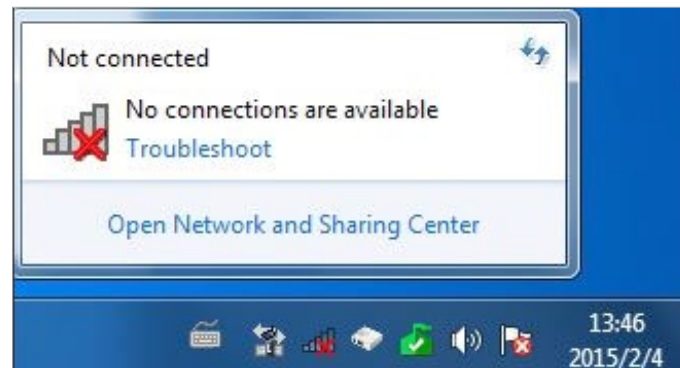
## Q7. What can I do if I cannot find my wireless network or I cannot connect the wireless network?

➤ If you fail to find any wireless network, please follow the steps below:

1. Make sure the wireless function is enabled if you're using a laptop with built-in wireless adapter. You can refer to the relevant document or contact the laptop manufacturer.
2. Make sure the wireless adapter driver is installed successfully and the wireless adapter is enabled.

### On Windows 7

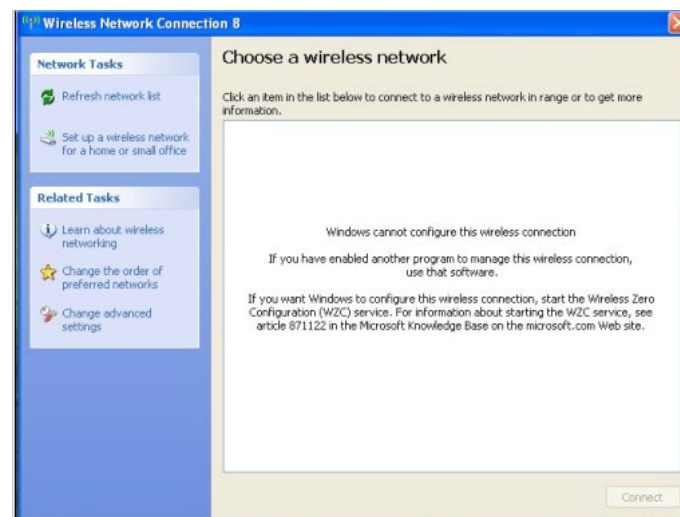
- 1) If you see the message **No connections are available**, it is usually because the wireless function is disabled or blocked somehow;



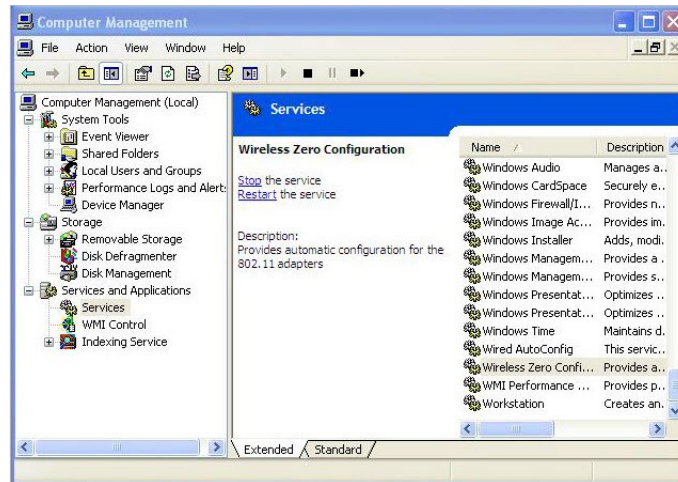
- 2) Clicking on **Troubleshoot** and windows might be able to fix the problem by itself.

### On Windows XP

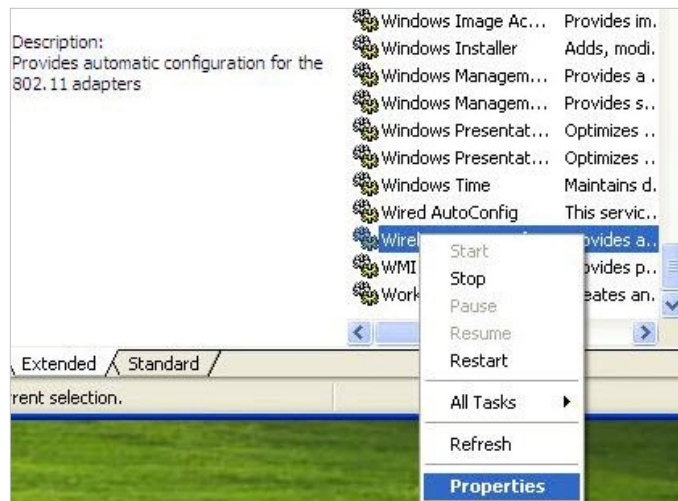
- 1) If you see the message **Windows cannot configure this wireless connection**, this is usually because windows configuration utility is disabled or you are running another wireless configuration tool to connect the wireless.



- 2) Exit the wireless configuration tool (the TP-Link Utility, for example);
- 3) Select and right click on **My Computer** on desktop, select **Manage** to open Computer Management window;
- 4) Expand **Services and Applications** > **Services**, find and locate **Wireless Zero Configuration** in the Services list on the right side;



- 5) Select **Wireless Zero Configuration**, right click it, and then select **Properties**;



- 6) Change **Startup type** to **Automatic**, click on Start button and make sure the Service status is Started. And then click **OK**.



- 7) Connect to wireless network.

➤ If you can find other wireless network except your own, please follow the steps below:

1. Check the WLAN LED indicator on your router;
2. Make sure your computer/device is still in the range of your router/modem, move closer if it is currently too far away;
3. Go to **Advanced > Wireless > Advanced Settings** page, and check the wireless router settings. Double check your Wireless Network Name, and make sure the SSID is not hidden;
4. Connect to wireless network.

➤ If you can find your wireless network but fail to connect, please follow the steps below:

1. Authenticating problem, password mismatch.
  - 1) Sometimes it will ask you to type in a PIN number when you connect to the wireless network for the first time. This PIN number is different from the Wireless



Password/Network Security Key, usually you can only find it on the back of your wireless router/modem;



- 2) If you cannot find the PIN or PIN failed, you may choose [Connecting using a security key instead](#), and then type in the Network Security Key/Wireless Password;



- 3) If it continues saying network security key mismatch, it is suggested to confirm the wireless password on your wireless router/modem;

■ Note: Wireless password/Network Security Key is case-sensitive.



- 4) Connect to wireless network.
2. Windows was unable to connect to XXXX /Cannot join this network/Taking longer than usual to connect to this network.
  - 1) Check the wireless signal strength of your network, if it is weak (1~3 bars), please move the router closer and try again;
  - 2) Change the wireless Channel of the router to 1,6,or 11 to reduce interference from other networks;
  - 3) Re-install or update the driver for your wireless adapter of the computer;
  - 4) Connect to wireless network.



## COPYRIGHT & TRADEMARKS

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<https://www.tp-link.com>



## CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

## OPERATING FREQUENCY(the maximum transmitted power)

2400 MHz -2483.5 MHz (20dBm)

5150 MHz -5250 MHz (23dBm)

## EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC and 2011/65/EU.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/ce>

## RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The device complies with RF specifications when the device used at 20 cm from your body.

## National Restrictions

Attention: This device may only be used indoors in all EU member states and EFTA countries.

|  |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|
|  | AT | BE | BG | CH | CY | CZ | DE | DK |
|  | EE | EL | ES | FI | FR | HR | HU | IE |
|  | IS | IT | LI | LT | LU | LV | MT | NL |
|  | NO | PL | PT | RO | SE | SI | SK | UK |

## Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음.

## NCC Notice

注意！

依據 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性或功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通行；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信規定作業



之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。

減少電磁波影響，請妥適使用。

4.7.9.1應避免影響附近雷達系統之操作。

4.7.9.2高增益指向性天線只得應用於固定式點對點系統。

## BSMI Notice

### 安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

### 限用物質含有情況標示聲明書

| 產品元件名稱                                                   | 限用物質及其化學符號 |         |         |             |             |               |
|----------------------------------------------------------|------------|---------|---------|-------------|-------------|---------------|
|                                                          | 鉛<br>Pb    | 鎘<br>Cd | 汞<br>Hg | 六價鉻<br>CrVI | 多溴聯苯<br>PBB | 多溴二苯醚<br>PBDE |
| PCB                                                      | ○          | ○       | ○       | ○           | ○           | ○             |
| 外殼                                                       | ○          | ○       | ○       | ○           | ○           | ○             |
| 電源適配器                                                    | -          | ○       | ○       | ○           | ○           | ○             |
| 備考1. 超出0.1 wt %” 及 “超出0.01 wt %” 系指限用物質之百分比含量超出百分比含量基準值。 |            |         |         |             |             |               |
| 備考2. “○” 系指該項限用物質之百分比含量未超出百分比含量基準值。                      |            |         |         |             |             |               |
| 備考3. “ - ” 系指該項限用物質為排除項目。                                |            |         |         |             |             |               |



Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.



## Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed.
- Adapter shall be installed near the equipment and shall be easily accessible.
-  Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

## Explanation of the symbols on the product label

| Symbol                                                                              | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | DC voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | Indoor use only                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p> |

