

Water Leak Detector

POWERED BY SmartHQ

Information Sheet: What's Included:

1 + 1 Kit (Model: SPLK10N01P)

- 1 – Gateway
- 1 – Sensor
- 1 – USB-C cable (1ft)
- 2 – AAA Batteries
- 1 – Dbl Sided tape
- 1 - this instruction sheet

1 + 3 Kit (Model: SPLK30N01P)

- 1 – Gateway
- 1 – Sensor
- 1 – USB-C cable (1ft)
- 6 – AAA Batteries
- 1 – dbl. Sided tape
- 1 - this instruction sheet

Quick Start Guide

Tools you will need:
#00 Philips screwdriver
#2 Philips screwdriver

Congratulations on choosing the Water Leak Detector powered by SmartHQ.

Let's get started

Step 1 – Install the SmartHQ App

- Go to the iOS app store or Google Play store and Install the SmartHQ App on your mobile device.
- Launch the SmartHQ app and register your account.

Step 2 – Installing 2 AAA batteries

- Using a #00 Philips screwdriver loosen the battery cover screws to **about ¾ of the way (4 turns)**. Keeping the screws in the battery covers makes it easier to remove the battery cover
- Remove the battery cover by grabbing one of the battery cover screws.



- Install the batteries (included), replace the battery cover and tighten the screws.



Step 3 – Connect your Gateway

- Open the SmartHQ app and touch the "+" sign located at the top right-hand corner of the SmartHQ app home page.
- Select one of the appliance brands
- Scroll to the bottom and select Gateway
- Follow instruction from the SmartHQ app to connect your gateway and pair your sensors.

Step 4 – Powering your Gateway

- Take the USB-C cable (included) and plug into the USB-C port on the Gateway.
- Plug the USB connector to a USB-A power plug (not included).

Step 5 – Placing your sensor

Your sensor can be placed in locations where a potential water leak may occur. For example, in your laundry room under a washer, under your kitchen sink pipes, near your water heater...

Water Heater with a circular drain pan application

- 2 dbl.I sided adhesive tapes are included in your kit
- Place the adhesive tapes on the back of your sensor
- Remove the backing and then place the sensor against your water heater with the sensor pins on the bottom and the button at the top.



Regulatory Module Integration Instructions

The Gateway device has been granted modular approval for a mobile application. And the Water Leak Sensor communicates with the Gateway via BLE (Bluetooth Low Energy) mesh. The Gateway is certified by FCC/IC/Bluetooth SIG. The Water Leak Sensor includes FCC/IC/ Bluetooth SIG certified module by GE Appliances. The descriptions are as follows:

- Product Name: Gateway for Water Leak Sensor, Model: SPLG10N01P
FCC ID: **ZKJ-WCATA010**, IC: **10229A-WCATA010**
- Product Name: Water Leak Sensor (Including a certified module), Model: SPLS10N01P
CONTAINS FCC ID: **ZKJ-BLEA004**, CONTAINS IC: **10229A-BLEA004**

The Gateway and Water Leak Sensor devices comply with FCC/IC regulations.

Device Classifications

Since host devices vary widely with design features and configurations module integrators shall follow the guidelines below regarding device classification and simultaneous transmission, and seek guidance from their preferred regulatory test lab to determine how regulatory guidelines will impact the device compliance. Proactive management of the regulatory process will minimize unexpected schedule delays and costs due to unplanned testing activities.

The module integrator must determine the minimum distance required between their host device and the user's body. The FCC provides device classification definitions to assist in making the correct determination. Note that these classifications are guidelines only; strict adherence to a device classification may not satisfy the regulatory requirement as near-body device design details may vary widely. Your preferred test lab will be able to assist in determining the appropriate device category for your host product and if a KDB or PBA must be submitted to the FCC.

Note, the module you are using has been granted modular approval for mobile applications. Portable applications may require further RF exposure (SAR) evaluations. It is also likely that the host / module combination will need to undergo testing for FCC Part 15 regardless of the device classification. Your preferred test lab will be able to assist in determining the exact tests which are required on the host / module combination.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Definitions

Portable: (§2.1093) — A portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is / are within 20 centimeters of the body of the user.

Mobile: (§2.1091) (b) — A mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons. Per §2.1091(d)(4) In some cases (for example, modular or desktop transmitters), the potential conditions of use of a device may not allow easy classification of that device as either Mobile or Portable. In these cases, applicants are responsible for determining minimum distances for compliance for the intended use and installation of the device based on evaluation of either specific absorption rate (SAR), field strength, or power density, whichever is most appropriate.

Simultaneous Transmission Evaluation

This module has not been evaluated or approved for simultaneous transmission as it is impossible to determine the exact multi-transmission scenario that a host manufacturer may choose. Any simultaneous transmission condition established through module integration into a host product must be evaluated per the requirements in KDB447498D01(8) and KDB616217D01.D03 (for laptop, notebook, netbook, and tablet applications).

These requirements include, but are not limited to:

- Transmitters and modules certified for mobile or portable exposure conditions can be incorporated in mobile host devices without further testing or certification when:
- The closest separation among all simultaneous transmitting antennas is >20 cm,

Or

- Antenna separation distance and MPE compliance requirements for **ALL** simultaneous transmitting antennas have been specified in the application filing of at least one of the certified transmitters within the host device. In addition, when transmitters certified for portable use are incorporated in a mobile host device, the antenna(s) must be >5 cm from all other simultaneous transmitting antennas.
- All antennas in the final product must be at least 20 cm from users and nearby persons.

FCC Part 15 Statement

Note: This equipment has been tested and found to comply with the limits for a **Class B** digital device, pursuant to Part 15 of the FCC Rules.

Note 2: This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

- That module is limited to OEM installation ONLY.
- That OEM integrators are responsible for ensuring that the end-user has no manual instructions to remove or install module.
- That module is limited to installation in mobile or fixed applications, according to Part 2.1091(b).
- That separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and different antenna configurations.
- That grantee shall provide guidance to the host manufacturer for compliance with Part 15 subpart B requirements.

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Information

Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- l'appareil ne doit pas produire de brouillage, et
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation du débit d'absorption spécifique (DAS).

