

Huawei HG659 Router Configuration

The Huawei HG659 Router has a built-in VOIP port which can be configured to work with Hero. The following guide explains how to configure a Hero phone number on Phone Port 1 on the router.

1. Configure your VOIP settings in the telephony tab

- Select 'Telephony' from the tabs at the top of the page and click on the VoIP page
- Set Provider name to 'Hero'
- Set Primary registrar to 'phone.hero.co.nz' and port to 5060
- Set Primary proxy to 'phone.hero.co.nz' and port to 5060
- Set SIP Domain to 'phone.hero.co.nz'
- Set Local Port to 5060
- Tick the 'use outbound' check box
- Set Outbound server to 'phone.hero.co.nz' and Port to 5060
- Save Settings

2. Create a new VOIP provider

- Set SIP number to your Hero phone number (e.g. 092420001)
- Set Username to your Hero phone number (e.g. 092420001)
- Set Password to your Hero password
- Ensure that the 'Enabled' check box is ticked



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Advanced

VoIP

After a phone is connected to the HG659, the VoIP function allows you to make and receive calls. Unlike PSTN, VoIP uses network bandwidth.

VoIP Providers

[What's this?](#)

Hero	Edit	Delete
Provider name: Hero		
Primary registrar: phone.hero.co.nz	Port 5060	
Primary proxy: phone.hero.co.nz	Port 5060	
SIP domain: phone.hero.co.nz		
Local port: 5060		
Use outbound: ☒		
Outbound servers: phone.hero.co.nz	Port 5060	
Use secondary server: ☐		

Cancel

Save

New VoIP provider

VoIP Numbers

[What's this?](#)

VoIP provider:

Hero

	Online	Edit	Delete
SIP number: Your Phone Number			
Username: Your Phone Number			
Password: Your Password			
Enable: ☒			

Cancel

Save

3. Set up your codec preferences (if required)

- We recommend setting your Codec 1 setting to G.711ALaw unless you wish to save bandwidth in which case you can select G.729 as your preferred codec.



- Set DTMF Mode to RFC2833
- Set the Fax codecs to T38 as Codec 1 if you are plugging in a Fax machine

The screenshot shows the 'Telephony' tab selected in the top navigation bar. On the left sidebar, the 'Advanced' option is highlighted. The main content area is titled 'Advanced' and contains a description: 'Codec,DTMF,FAX Codec of Line and TAPI parameters can be configured here.' Below this is a section for 'Call Settings' for line '042420007'. The settings include dropdown menus for Codec 1 through Codec 6, DTMF mode, Fax codec 1 through Fax codec 3, and a checkbox for 'Enable CLIP'. The current values are: Codec 1: G.711ALaw, Codec 2: G.711MuLaw, Codec 3: G.722, Codec 4: G.728-32, Codec 5: G.728-24, Codec 6: G.729, DTMF mode: RFC2833, Fax codec 1: G711A, Fax codec 2: G711U, Fax codec 3: T38, and Enable CLIP: checked. There are 'Edit', 'Cancel', and 'Save' buttons.

Setting	Value
Line ID	042420007
Codec 1	G.711ALaw
Codec 2	G.711MuLaw
Codec 3	G.722
Codec 4	G.728-32
Codec 5	G.728-24
Codec 6	G.729
DTMF mode	RFC2833
Fax codec 1	G711A
Fax codec 2	G711U
Fax codec 3	T38
Enable CLIP	☒

4. Enable service 'Voice' under the Internet Settings

This final step is important as your phone will not work unless you tick the Voice check box under your Internet settings.

- Click on the Internet tab and scroll down to your Active Internet connection type
- Next to the 'Service Type' ensure that you have ticked the Voice check box
- Below is a screenshot of an example Internet connection using PPP although your connection details may differ.



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Internet
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Maintain

Internet Settings
IPTV Service
Layer2Bridging
Parental Control
Network Security
Bandwidth Control
Internet Services
VPN
Forwarding
Routing Rules

Internet Settings

You can view the connection status of the HG659.

▶ INTERNET_ADSL_0_100

▶ INTERNET_VDSL_VID_10

▼ INTERNET_ETH_VID

Access type: Ethernet

IPv4 status: Disconnected

Delete Edit Restart Connection

Basic Information

Enable connection: ☒

Name: INTERNET_ETH_VID

Service type: ☒ INTERNET ☒ VOICE ☐ Other

Connection type: IP routing (PPP) ▼

MRU: 1492

MSS: 0

NAT type: NAT ▼

Link Information

Enable VLAN: ☐

PPP Information

PPP authentication mode: Auto ▼

PPP trigger mode: ☒ Always online ☐ Dial manually ☐ Dial on demand

Internet account: ppp

Internet password: *****

PPP service name:

IP Information

IP protocol version: IPv4 ▼

Static DNS: ☐

Cancel Save

If you are having any further issues getting your Huawei HG659 Router configure to work with Hero then contact our Support team and we will do our best to assist you.



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