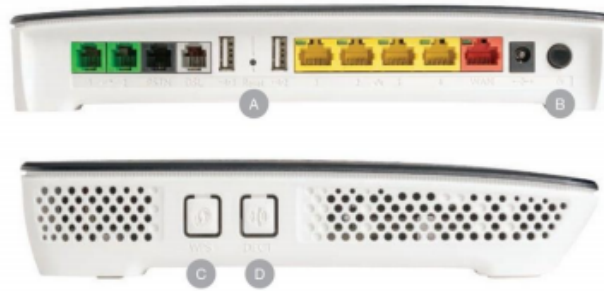


## Home Network Gateway Specifications



- A- Reset Button
- B- Power Connection
- C- WPS connection
- D- DECT paging

## Telstra HNG Packaging Contents

- a) Sealed Plastic Bag enclosing
  - i. A TG799
  - ii. Wi-Fi Label
  - iii. Safety leaflet
- b) Printed Installation Guide
- c) A Label affixed to the plastic bag with Modem's serial number + Modem OUI-Serial number.
- d) 3 x ADSL cables RJ11-RJ11 (2-wire) 1.8M minimum, grey
- e) Switch mode power supply, black - lead length 1.5m approx.
  - i. Input: 100-240Vac ~50/60Hz 0.5A
  - ii. Output: 12Vdc 2.8Amp
- f) 1 x 8 wire Ethernet CAT5 RJ45 cable, minimum length of 1.5m. White with yellow ends.
- g) 1 x 8 wire Ethernet CAT5 RJ45 cable, minimum length of 1.5m. White with red ends.

## Telstra HNG Interfaces

The Telstra HNG will provide the following capability

### Ethernet

- a) 1xGigabit Ethernet WAN port
- b) 4x10/100Mbps/1Gigabit LAN ports
- c) Ethernet VLAN, 802.1q/p

### Wireless

- a) Dual-band concurrent Wi-Fi interfaces:
- b) IEEE 802.11n 2.4 GHz (2x2)
- c) IEEE 802.11ac 5 GHz (3x3)
- d) WPS Wi-Fi Protected setup
- e) Up to 4 SSID support
- f) 25.5dBm output for 11n
- g) 29dBm output for 11ac

## **Telephony**

- a) 2 FXS ports with PSTN pass-through when operating in analogue voice mode
- b) 1 FXO port for PSTN requires external filter
- c) On-hook and Off-hook CLI support
- d) VMWI support
- e) SIP clients such as T-Voice not supported for Wholesale
- f) SMS
- g) Pass-through to FXS only

## **USB**

- a) x2 USB 2.0 Interfaces (1500mA shared by 2 ports)
- b) Support for Telstra supplied 3G and 4G mobile broadband dongles
- c) Hard Disk (FAT32 EXT2)
- d) NTFS, HFS+ supported

## **Home Entertainment**

- a) Media Sharing
- b) UpnP A/V and DLNA 1.5 certified

## **Dual stack IPv6 support**

- a) TR-187
- b) Ipv6 internet access from PC (Ipv6 DNS resolving)
- c) DNS forwarder to support Ipv6
- d) Stateless DHCP client support for Ipv6
- e) Stateless server to support Ipv6
- f) WAN interface Ipv6 enabled
- g) Ipv6
  - i. Forwarding
  - ii. Auto configuration
  - iii. Multicast (Host part of MLDv1/v2)

## **Remotely Manageable**

- a) TR-069 CPE WAN Management Protocol
  - i. TR-098 Internet Gateway Device Management
  - ii. TR-143 network throughput performance tests and statistical monitoring
- b) Zero-Touch Auto-Provisioning
- c) Dual memory bank for firmware upgrade security
- d) On demand Remote GUI assistance

## **The LED indicators appearing on the Telstra HNG**

- a) Status bi-colour (red, green)
- b) WAN single colour (green)
- c) Internet bi-colour (green, red)
- d) Wi-Fi 2.4 GHz (green)

- e) Wi-Fi 5 GHz (green)
- f) WPS bi-colour (green, red)
- g) Ethernet single colour (green)
- h) Phone 1 (green)
- i) Phone 2 (green)
- j) DECT bi-colour (green, red)

## Factory Resetting

There are four ways of resetting the TG799 to factory default:

i. From the GUI

The GUI provides two factory reset buttons:

- Factory reset all settings
- Factory reset but preserve phone contacts

ii. By pressing the recessed Reset button

iii. By pressing and holding the Status button for longer than 7 seconds, because the recessed

Reset button is not accessible when wall mounted

iv. From CLI via SSH access

To reset to factory default via the button, proceed as follows:

1. Make sure the HNG is turned on.
2. Use a pen or an unfolded paperclip to push the recessed Reset button for longer than 7 seconds and release. All the indicators will momentarily turn ON and the status LED will turn orange.
3. This will force the CPE to re-start in the initial factory default state as received by the user.

After resetting the TG799, the following will be cleared:

- The gateway user configuration
- DECT registrations
- The call logs
- The shared contacts (except contacts preserved under a GUI reset)

## Standard Configuration

The Telstra TG799 HNG is supplied with the following configuration:

- a) Wi-Fi encryption (WPA2) enabled on main WLAN
- b) Unique SSID and passphrase configured for main WLAN (credentials printed on the rear of the

device)

- c) Guest SSIDs disabled
- d) DHCP server: enabled
- e) DHCP address range: 10.0.0.0/24
- f) LAN devices 10.0.0.1 to 10.0.0.136
- g) Printer Sharing fixed address 10.0.0.137
- h) Content Sharing fixed address 10.0.0.137
- i) Gateway and DNS address 10.0.0.138
- j) DHCP lease time 1 hour
- k) No password for browser GUI access
- l) Blank PPP credentials
- m) Blank SIP credentials (provisioned remotely by Telstra after installation)

## Telephony Codecs

The Telstra HNG supports the following:

- a) G722: used for wideband VoIP calls.
- b) G711a: used for narrow band calls
- c) G711u: used for narrow band calls.
- d) G729: used for narrow band VoIP calls

## Mobile Broadband

The Telstra HNG supports Telstra USB mobile broadband dongles. Supported models are:

- a) Sierra 3G 308
- b) Sierra 3G 312U
- c) Sierra 4G 320
- d) ZTE 3G MF633BP+
- e) ZTE 3G MF626i
- f) ZTE 3G MF668
- g) ZTE 4G MF821

Third party mobile dongles are not supported and are not compatible with the Telstra HNG.

## Operating Conditions

The Customer must ensure that the End User operates the Telstra HNG under these conditions:

a) Temperature: 0° - 40° C

b) Humidity: 20% - 80%