

HGW F-240W-A

User manual

Wireless Broadband Anywhere
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2015.07 v1.0

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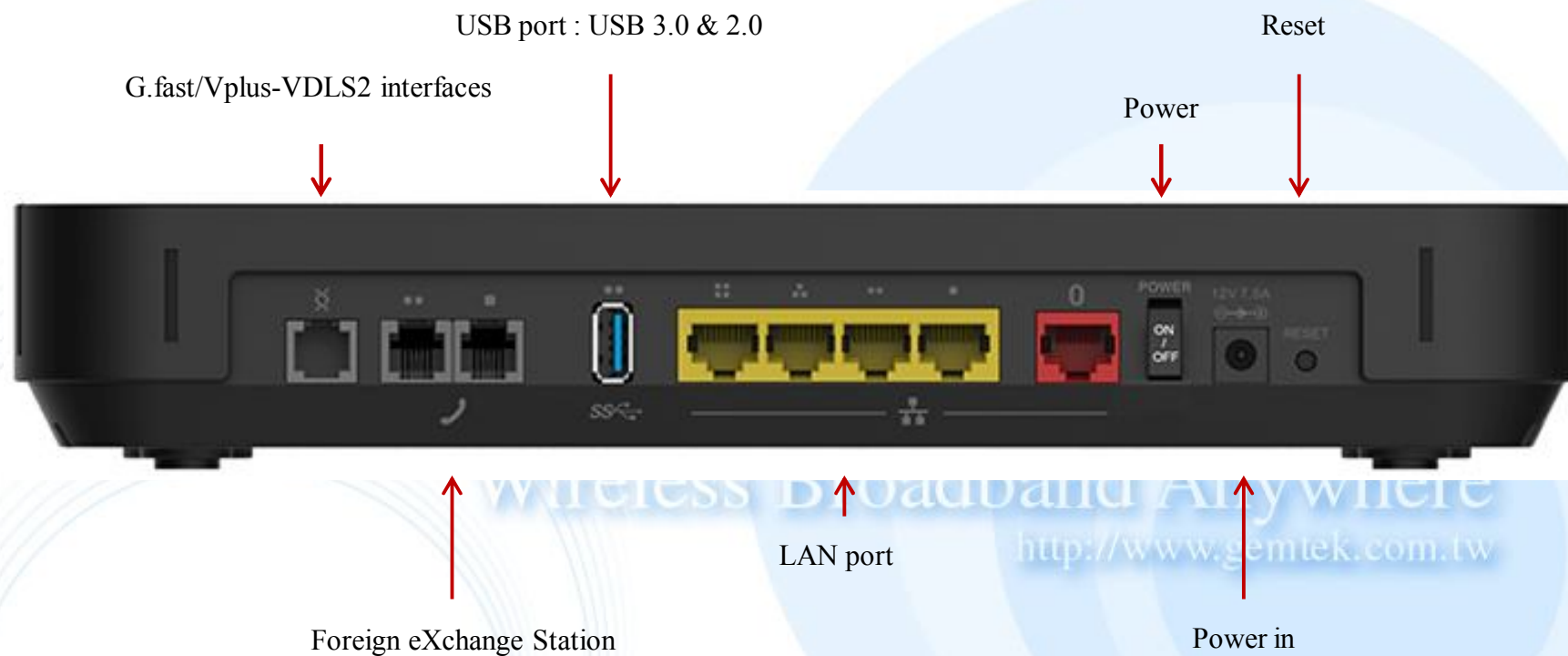
Exterior

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Interface

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Accessory

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- ONT * 1
- RJ-11 Cable 1.8m * 1
- RJ-11 Cable 1.5m * 1
- RJ-45 Cable 1.5m * 1
- Power Adapter * 1
- Power Cable * 1
- Pedestal *1

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HGW LED definition

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LED	Color(S)	Activity	Description
Power (TOP)	Green	Solid	Power on(self test succeeded)
		flash	Device POSTING and BOOTING
		Off	Power Off
	Red	Solid	- POST fails on startup (example, flash is corrupt). So in Hardware the LED should be RED by default until the software is running which can then turn it green. Normally the ONT should also do a self-test on power-up. If Self-test fails the LED should remain RED - During operations the ONT fails (Device Malfunction): On regular intervals the ONT should run a self-test and if it fails the LED should turn RED.
		flash	Firmware upgrade ongoing
		Off	System is in normal condition
RPF (TOP)	Green	Solid	reverse power active
	Amber	Solid	reverse power in detection mode
	Off	Off	reverse power is off
G.fast/Vplus- VDSL2 (TOP)	Green	Solid	Provisioned and registered(VDSL2)
		flash	- Flashing at 2 Hz with a 50% duty cycle: DSL carrier detection ongoing; - Flashing at 4 Hz with a 50% duty cycle: Carrier has been detected, DSL training is ongoing;
		Off	not provisioned
	Amber	Solid	Provisioned and registered(Gfast/Vplus)
		flash	- Flashing at 2 Hz with a 50% duty cycle: DSL carrier detection ongoing; - Flashing at 4 Hz with a 50% duty cycle: Carrier has been detected, DSL training is ongoing;
		Off	not provisioned

HGW LED definition

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LED	Color(S)	Activity	Description
Ethernet WAN or LAN(1~5) (TOP))	Green (10/100M)	Solid	Ethernet Link
		flash	Data Transmitting / Receiving
	Amber (1000M)	Solid	Ethernet Link
		flash	Data Transmitting / Receiving
FXS/ POTS(1,2) (TOP)	Green	Solid	Provides a positive indication that at least one of the POTS lines, provisioned on the respective Service Unit, has a telephone in the off-hook condition.
		flash	Call in or on talking
		Off	Telephone at POTS ports are all on-hook.
VOIP (TOP)	Green	Solid	VoIP service is built up and can provide service
		Off	VoIP service is not built up or out of service.
WPS 11n (TOP)	Green	Solid	"Success" status
		Off	WPS disabled
	Red	Solid	"Error" and "Session Overlap" status
		Off	WPS disabled
WPS 11ac (TOP)	Green	Solid	"Success" status
		Off	WPS disabled
	Red	Solid	"Error" and "Session Overlap" status
		Off	WPS disabled
WLAN 11n (TOP)	Green	Solid	WLAN link up
		flash	WLAN activity
		Off	WLAN is down or no link connected.
WLAN 11ac (TOP)	Green	Solid	WLAN link up
		flash	WLAN activity
		Off	WLAN is down or no link connected.

HGW LED definition

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LED	Color(S)	Activity	Description
USB(1,2) (TOP)	Green	Solid	A device is connected to the USB port
		flash	Traffic activity on the USB connection
		Off	No device connected to the USB port.
Internet (TOP)	Green	Solid	IP connected (the device has a WAN IP address from IPCP/DHCP/Static and Broadband link is up). If the PPPoE session is dropped due to an idle timeout, the light will remain green if the G.fast link is still present. If the session is dropped for any other reason, the light is turned off.
		flash	The device is in the process of acquiring an IP address (either via PPPoE or DHCP).
		Off	Broadband physical connection power off, or device in bridged mode with no IP address assigned to the device, or Broadband physical interface connection not present

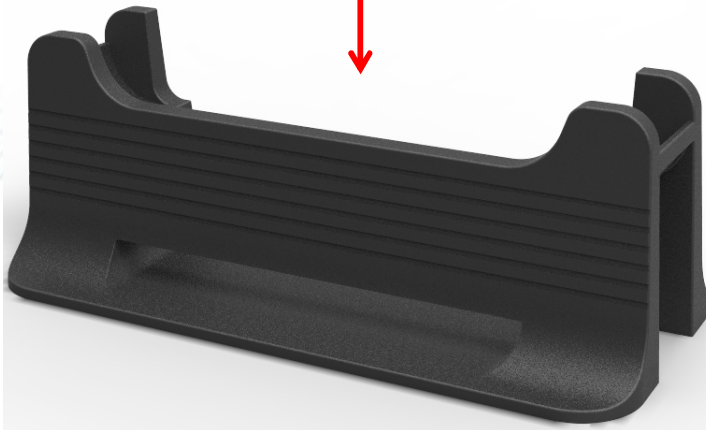
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Backup

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Federal Communication Commission Interference Statement

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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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Federal Communication Commission Interference Statement

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IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA

Operation of this device is restricted to indoor use only

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EU Declaration of Conformity

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This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

- EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013
Safety of Information Technology Equipment
- EN 62311: 2008 / Article 3(1)(a) and Article 2 2006/95/EC)
Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz-300 GHz)
- EN 300 328 V1.9.1: 2015-02
Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques;
Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 893 V1.7.1: 2012-06
Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 489-1 V1.9.2: 2011
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
- EN 301 489-17 V2.2.1 2012
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

EU Declaration of Conformity

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In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

Česky [Czech]	<i>[Jméno výrobce]</i> tímto prohlašuje, že tento <i>[typ zařízení]</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede <i>[fabrikantens navn]</i> erklærer herved, at følgende udstyr <i>[udstyrets typebetegnelse]</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erklärt <i>[Name des Herstellers]</i> , dass sich das Gerät <i>[Gerätetyp]</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab <i>[tootja nimi = name of manufacturer]</i> seadme <i>[seadme tüüp = type of equipment]</i> vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, <i>[name of manufacturer]</i> , declares that this <i>[type of equipment]</i> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente <i>[nombre del fabricante]</i> declara que el <i>[clase de equipo]</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ <i>[name of manufacturer]</i> ΔΗΛΩΝΕΙ ΟΤΙ <i>[type of equipment]</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EK.
Français [French]	Par la présente <i>[nom du fabricant]</i> déclare que l'appareil <i>[type d'appareil]</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

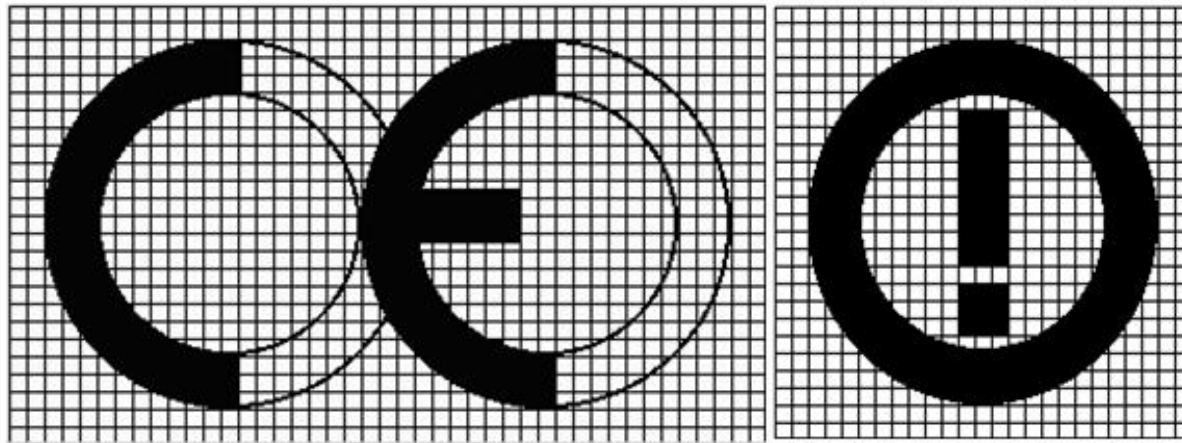
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Italiano [Italian]	Con la presente <i>[nome del costruttore]</i> dichiara che questo <i>[tipo di apparecchio]</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo <i>[name of manufacturer / izgatavotāja nosaukums]</i> deklarē, ka <i>[type of equipment / iekārtas tips]</i> atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo <i>[manufacturer name]</i> deklaruoją, kad šis <i>[equipment type]</i> atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart <i>[naam van de fabrikant]</i> dat het toestel <i>[type van toestel]</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, <i>[isem tal-manifattur]</i> , jiddikjara li dan <i>[il-mudel tal-prodott]</i> jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, <i>[gyártó neve]</i> nyilatkozom, hogy a <i>[... típus]</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]	Niniejszym <i>[nazwa producenta]</i> oświadczam, że <i>[nazwa wyrobu]</i> jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	<i>[Nome do fabricante]</i> declara que este <i>[tipo de equipamento]</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	<i>[Ime proizvajalca]</i> izjavlja, da je ta <i>[tip opreme]</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	<i>[Meno výrobcu]</i> týmto vyhlasuje, že <i>[typ zariadenia]</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	<i>[Valmistaja = manufacturer]</i> vakuuttaa täten että <i>[type of equipment = laitteen tyyppimerkintä]</i> tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

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