

Hera

600 Series Router

Quick start guide

Declaration of Conformity

We: **Dataflex Design Communications Limited**
8 Frederick Sanger Road, Surrey Research Park,
Guildford, Surrey, GU2 7YD, UK

Declare under sole responsibility that the product family **Hera600** to which this declaration relates, is compliant with the essential requirements of:

RoHS Directive 2011/65/EU

WEEE Directive 2012/19/EU

Ecodesign Directive 2009/125/EC

Batteries Directive 2013/56/EU

Radio Equipment Directive (RED) 2014/53/EU

The Low Voltage Directive 2014/35/EU

The EMC Directive 2014/30/EU

Signed
Name
Position
Place and date of issue
Year of affixing CE Mark

Jon Darley
Chief Technical Officer
Guildford May 2016
2016

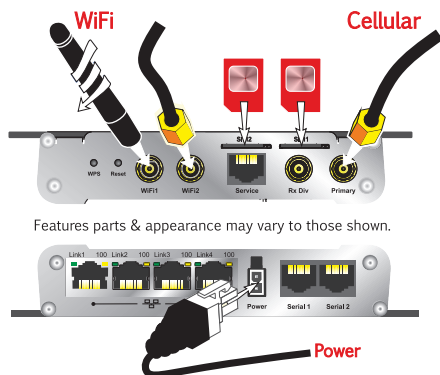


Manufactured by Dataflex Design Communications Ltd in China

1: Getting started

Please fully read this guide prior to installation
Never insert or remove SIM cards while
the Hera600 is powered

Insert SIM cards & attach supplied antennas for cellular (Primary & RX Div) and WiFi



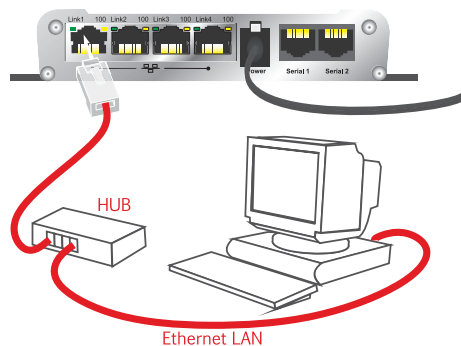
Features parts & appearance may vary to those shown.

Insert the power connector. Plug the mains adapter into a dedicated socket & switch on

Connection to the web interface is required to configure the Hera600. This can be achieved by wired ethernet connection or WiFi

2a: Wired connection

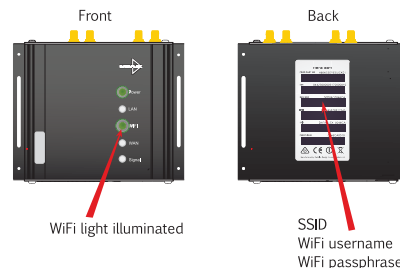
Connect to a PC or laptop by ethernet cable either directly or via an ethernet hub



2b: WiFi connection

using username and password

If there is no SSID information on the Hera600 label, use a wired ethernet to connect to the Hera600 web interface



Establishing a WiFi Connection

- Ensure the WiFi light on the Hera600 is illuminated
- Search wireless networks on your WiFi enabled laptop, PC, tablet or phone. Connect to the network which matches the SSID on the Hera600v4 label
- Enter the WiFi username and passphrase exactly as it appears on the label when prompted

2c: WiFi connection

using WPS

If there is no SSID information on the Hera600 label, use a wired connection to connect to the Hera600 web interface



The WPS function will automatically set up a secure connection between your router and computer

3: Web interface

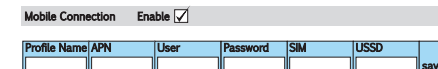
Open a web page on your PC or laptop, and type into the address bar **http://192.168.1.1** then press enter



Enter the username and password and click OK to log into the Hera web interface

Note: Appearances may vary according to operating system and web application. Information supplied by your equipment provider overrides any information shown above

4: Cellular connection



To configure the cellular connection refer to the documentation supplied by the equipment provider relating to the SIM

Information required for connection:

- Username
- Password
- Pin code
- APN (Access Point Name)

Once logged into the web interface, choose a profile name, enter the information above and tick the 'enable' box

This quick start guide provides basic connection information only. For full feature information download the latest comprehensive user guide from:

www.dataflex.com/hera

Front Panel Indicators:

LED	State	Meaning
Power	Green (during the boot the LED is red)	Unit is powered and operating normally
	Flashing in sync with another LED	Error on the port indicated
	Flashing independently after boot up period	Internal error
	Off	No mains power or product failure
LAN	On	LAN connection available
	Flashing (regular pattern) in sync with POWER LED	Error on the LAN port
	Flashing (irregular)	Data transfer
	Off	No LAN connection available
WiFi	On	WiFi connection available
	Flashing (regular pattern) in sync with POWER LED	Error on WiFi port
	Flashing (irregular)	WiFi data transfer
	Off	No WiFi connection available
WAN	On	WAN connection available
	Flashing (regular pattern) in sync with POWER LED	Error on WAN port
	Flashing (irregular)	WAN data transfer
	Off	No WAN connection available
Signal	Red	Cellular signal strength WEAK
	Orange	Cellular signal strength MEDIUM
	Green	Cellular signal strength STRONG
	Off	No cellular service available

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY
We, Dataflex Design Communications Limited declare under our sole responsibility that this device (H604v4) 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.

Caution: Exposure to Radio Frequency Radiation.
The device shall be used in such a manner that the potential for human contact during normal operation is minimized. When connecting an external antenna to the device, the antenna shall be placed in such a manner to minimize the potential for human contact during normal operation. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communications Commission Notice
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a non-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 and correct the interference by one or more of the following measures:

Installation:

- Ensure all warnings on this sheet are read and understood when choosing a site for the Hera600 device.
- The Hera600 should be located indoors in a stable a vibration free environment between -20 to +55 degrees celsius, where relative humidity is between 0 - 95% non condensing.
- Ensure there is a mains power outlet within 1 metre of the Hera600 installation. Do not modify the mains adapter.
- Do not place the unit close to a heat source (such as other electrical equipment) or in direct sunlight.
- Avoid locations exposed to heavy soiling due to exhaust from machinery, liquid or airborne particles from industrial processes or excessive dust.
- Do not enclose the device within an unventilated housing where heat may accumulate.
- The Hera600 is primarily designed to be wall mounted. It is recommended to install the Hera600 using the fixings supplied with the product. Ensure all cables and antennas are securely located, screwed or latched as appropriate to avoid intermittent connection problems.
- Cellular signal strength, WiFi strength and signal interference from other equipment should be considered in the location of the product, in addition to visibility of the front & bottom panel indicators.

Warranty Information:

- Use only the mains power adaptor provided. Do not modify in any way. Use of this product with any other mains power adaptor may damage the unit will invalidate its warranty and may invalidate its regulatory approval.
- There are no user-serviceable components inside the Hera600. If a fault develops with the product, please contact your service provider or reseller. The casing is fitted with a tamper indicator and should NOT be opened under any circumstances as it will invalidate the warranty.
- Ensure that all reasonable precautions are taken in the site choice and installation of this product. Ensure that all warnings and installation instructions have been read and understood. Dataflex are not liable for consequential loss or damage which arises from installations where the instructions & warnings in this quick start guide are not adhered to.
- Do not insert or remove a SIM card when the product is powered. This will cause problems with the functionality of the product. Always power off before inserting or extracting a SIM card.



The Hera600 incorporates a GSM radio module. Users should ensure that the antenna is positioned at least 1 metre away from themselves and other people in normal operation.

When in a hospital or a health care facility, observe the restrictions on the use of mobile phones. Do not install the Hera600 in sensitive areas, such as areas where the use of mobile phones are prohibited. Medical equipment may be sensitive to RF energy.

The operation of cardiac pacemakers, other implanted medical equipment and hearing aids can be affected by interference from cellular terminals such as the Hera600 when placed close to the device. Testing of the Hera600's affect on implanted equipment should be carried out in advance of any installations where interference is likely to occur.

A clear visible warning should be posted informing people with implants of the potential threat.

GSM equipment such as the Hera600 must NOT be operated on aircraft. The operation of wireless appliances in an aircraft is forbidden to prevent interference with communications systems. Failure to observe these instructions may lead to the suspension or denial of cellular services to the offender, legal action, or both.

As with any electrical equipment, you should not operate your Hera600 in the presence of flammable gases, fumes or potentially explosive atmospheres. Radio devices should not be used anywhere that blasting operations are taking place.

The Hera600 receives and transmits radio frequency energy while switched on. Remember that interference can occur if it is used close to TV sets, radios, computers or inadequately shielded equipment. Follow any special regulations and never install your Hera600 wherever forbidden or when you suspect that it may cause interference or danger.

The Hera600 operates using radio signals and cellular networks, and cannot be guaranteed to connect in all possible conditions. Therefore, you should never rely solely upon any wireless device for life critical communications.

In accordance with EU directive 2002/96/EC regarding Waste Electrical and Electronic Equipment (WEEE), ensure that at end-of-life you separate this product and its accessories from other waste and scrap and deliver to the WEEE collection system in your country for recycling.

This product contains Lithium coin type batteries. Batteries must only be replaced by manufacturer authorised personnel. This ensures fitting of an approved part and avoids the warranty being made void. Additionally it ensures full compliance with Battery Directive 91/157/EEC & local legislation regarding responsible recycling and disposal is adhered to.



SOS



FCC ID: 2AASBH604V4

Contains FCC ID: N7NMC7355

IC: 11329A-H604V4

Contains IC: 2417C-MC7355

Model: H604V4

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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.

IMPORTANT NOTE:

FCC 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 a minimum distance of 20cm between the radiator and your body.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product guidelines.

Modifications

The FCC requires the user to be notified that any changes or modifications to this device that are not expressly approved by Dataflex

Design Communications Limited may void the user's authority to operate the equipment.

This device complies with ISED's licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device

This radio transmitter (11329A-H604V4) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device

WLAN: CORTEC P/N AN2450-5505BRS – Peak Gain: 5GHz 3dBi

Cellular: Gantatech GA-GSM-06 3.5dBi

Cellular: Asian Creation Q9018-24W 3dBi

The operation of the device in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. This equipment complies with ISED RSS 102 radiation exposure limits set forth for an uncontrolled environment.

This equipment is installed to be operated with a minimum 20cm distance between the antenna and the user. Please note that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250- 5350 MHz and 5650-5850 MHz and these radars can cause interference and/or damage to LELAN (License Exempt Local Area Network) devices.

Cet appareil est conforme au(x) standard(s) RSS exempts de licence d'Industrie Canada. Son exploitation est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas occasionner d'interférence et (2) cet appareil doit supporter toutes les interférences, y compris celles qui pourraient provoquer un mauvais fonctionnement de cet appareil.

Le présent émetteur radio (11329A-H604V4) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

WLAN: CORTEC P/N AN2450-5505BRS – Peak Gain: 5GHz 3dBi

Cellular: Gantatech GA-GSM-06 3.5dBi

Cellular: Asian Creation Q9018-24W 3dBi

L'utilisation de l'appareil dans la bande de fréquences 5150-5250 MHz est uniquement valable en intérieur pour réduire le risque de brouillage nuisible au fonctionnement des systèmes mobiles par satellite partageant les mêmes canaux. Cet appareil est conforme aux limitations de la norme IC RSS-102 concernant l'exposition aux radiations dans un environnement non contrôlé.

Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre l'antenne et le corps de l'utilisateur. Veuillez noter que les radars haute puissance sont définis comme utilisateurs principaux (i.e. utilisateurs prioritaires) des bandes 5250- 5350 MHz et 5650-5850 MHz, et que ces radars peuvent causer des interférences et/ou endommager les appareils LE-LAN (réseau local exempt de licence).