



BRI3PIMHA



WIRELESS MULTI-PROTOCOL GATEWAY

LoRa / Wi-Fi / Bluetooth

To connect and remote control a HVAC installation

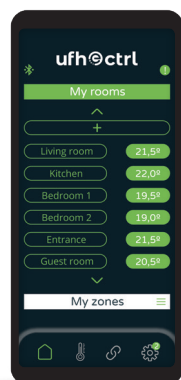
Overview

Main features

- Multi-protocol gateway : LoRa, Bluetooth and Wi-Fi
- Via UFH Ectrl mobile application : Remote control of several ecosystems of products such as controllers and thermostats.

Applications

- Hydraulic underfloor heating/cooling



Connect a HVAC installation and remote control it by the free application

ufh@ctrl



Benefits

- **Customizable 2-in-1 mobile application** with intuitive interface:
 - **Installer mode:** quick and easy configuration and commissioning
 - **User mode:** system information and management
- **One-touch pairing**
- **3 multifunctional indicator lights:** informs you of the status of networks connections and warnings
- **OTA (Over The Air) microprocessor** for remote software updates via the Cloud
- Elegant, modern design

Functional specifications

Use

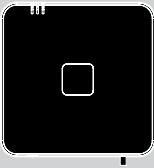


Communication	The Gateway is managed by the app, using Bluetooth for pairing and management of the connections, and uses Wi-Fi for remote control features It can manage LoRa products and connect products to the Cloud via Wi-Fi
Use cases	Local control (via Bluetooth, with or without Internet): <ul style="list-style-type: none"> - Connection of the gateway with free mobile application and pair with associated products without internet; - Installation parameters and settings Remote control (via Internet) <ul style="list-style-type: none"> - Wi-Fi: Management of setpoint temperatures, choice of operating modes, start/stop of programming, display of setpoint temperatures for each room, and access to diagnostics
Connexion au Cloud	Secure back-up of data on dedicated personal account


Installation

3 installation options	Placed on a flat surface (furniture, desk) thanks to its 4 anti-slip pads Wall-mounted (accessories supplied): <ul style="list-style-type: none"> - Using screws and screws anchors - Or fixed with the adhesive tape
Easy to install: connection with the plug and USB cable supplied	

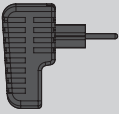
Pack content



X1
Gateway

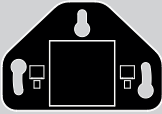


X1
USB-A to USB-C cable




X1
Power plug


Fixing accessories supplied




X1
Wall socket



X2
Screws



X2
Screw anchors





X1
Double sided tape

Note: Spare parts are available and can be purchased separately, contact us for more information.

Wireless transmission

Protocol	Frequency	Use
BLE (Bluetooth Low Energy)	2400-2483.5 MHz (Transmission < 6 dBm)	Pairing the gateway with the mobile application: enables the gateway to be controlled locally (without an Internet connection), guaranteeing autonomous management of the installation even in case of a power cut Association of products with the application, enabling their configuration and locally control
Wi-Fi	2400-2483.5 MHz (Transmission < 20 dBm)	Connection of the gateway to an Internet box for remote control of your installation Connection to the Cloud, for secure backup of your data on a dedicated personal account OTA (Over The Air) ecosystem updates
LoRa	869.787-869.913 MHz (Transmission < 14 dBm)	Association and bidirectional communication between LoRa radio products and the gateway
Transmission	When change of state, every 5 minutes otherwise	

Manual settings

Two push buttons	Central button to connect LoRa products, link the mobile application to the Gateway	
	Side button for power on/off, and reset	

App settings

App UFH Ectrl	- Unpairing LoRa products - Change the Wi-Fi network
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Technical specifications

Dimensional, weight and finish specifications

Height	100 mm
Width	100 mm
Depth	18 mm
Weight	100,8 g
Color	Black

Electrical specifications

Operating voltage	230V AC ± 10%, 50 Hz + 5V DC USB-C cable
Consumption in standby	< 2W

The product is supplied with a USB cable and a power plug

Environment

Protection rating	IP20
Class	Class II

Operating temperature	0°C to +40°C
Max. humidity level	90% at +25°C (without condensation)
Storage temperature	-20°C to +70°C

Ecosystem

Environment with an underfloor heating/cooling system



Directives

RED	2014/53/UE
RoHS	2011/65/UE
Ecodesign	ERP 2009/125/CE + Regulations 801/2013/EU

Standards

RED	2014/53/UE
Safety	EN 62368-1 ; EN 62311
EMC	ETSI EN 301489-1 ; ETSI EN 301489-3 ; ETSI EN 301489-17
RF	ETSI EN 300328 ; ETSI EN 300220-2
RoHS	EN IEC 63000
Ecodesign	EN 50564

Product codes

Code	Description
BRI3PIMHA	Multi-protocol LoRa/Wi-Fi/Bluetooth gateway, black

Compatible product(s) (sold separately)

Codes	Description
UFH	
UFHRF230EIMHBA	Wireless control unit for hydraulic underfloor heating/cooling systems, 12 channels, 230V electrothermal actuators
UFHRF24EIMHBA	Wireless control unit for hydraulic underfloor heating/cooling systems, 12 channels, 24V electrothermal actuators
Wireless room thermostats	
RSLRFIMHA	Radio room thermostat, white version
RSLRFIMHBA	Radio room thermostat, black version

Product customization (design features) possible. Please contact us.