OPERATING MANUAL

FIBARO WALL PLUG
FGBWHWPE-102/FGBWHWPF-102

Works with
Apple HomeKit

CONTENTS

v1.0

Important safety information

⚠️ **Read this manual before attempting to install the device!**

Failure to observe recommendations included in this manual may be dangerous or cause a violation of the law. The manufacturer, Fibar Group S.A. will not be held responsible for any loss or damage resulting from not following the instructions of operating manual.

⚠️ **This product is intended for indoor use only in dry locations.**

Do not use in damp or wet locations, near a bathtub, sink, shower, swimming pool, or anywhere else where water or moisture are present.

⚠️ **Caution!**

To avoid risk of electrical shock, do not operate the device with wet or moist hands.

Do not plug one Wall Plug into another Wall Plug.

ℹ️ **Note**

Socket used for the Wall Plug should be easily accessible.

HomeKit technology

Apple HomeKit technology provides an easy, secure way to control HomeKit-enabled accessories using Siri on your iPhone, iPad, or iPod touch.

After installing your **FIBARO Wall Plug**, configure it from a compatible app with just a few simple steps.

You can even create your own custom scenes to control your home settings. For example, you can create a scene to automatically turn off the lights, lock your doors, close the garage door, and set the thermostat to the desired temperature in just one step.

ℹ️ To control this HomeKit-enabled accessory, iOS 10 or later is recommended.

Controlling this HomeKit-enabled accessory automatically and away from home requires an Apple TV with tvOS 10 or later or an iPad with iOS 10 or later set up as a home hub.

#1: Description and features

FIBARO Wall Plug is a HomeKit-enabled smart plug using Wi-Fi® connection and Bluetooth® low energy wireless technology.

This remotely controlled outlet adapter is equipped with an active power and energy metering function.

It uses a LED ring to visualize current consumption and status.

The Wall Plug may be operated using the button on the casing or via an iOS mobile app through Wi-Fi.

Main features of FIBARO Wall Plug:

- Compatible with Apple HomeKit technology,
- Wi-Fi for wireless communication,
- Detects if electrical device is connected to it,
- Measures active power consumption,
- Measures energy consumption,
- Easy installation,
- Indicates state and consumption using multicolor LED ring.

#2: Pairing the accessory

1. Open the Settings app on your iOS device.
2. Go to the *Wi-Fi* section, turn the *Wi-Fi* on and connect to your pre-ferred Wi-Fi network.
3. Go to the *Bluetooth®* section, and turn the *Bluetooth®* on.
4. Plug the Wall Plug into an electrical socket.
5. The LED ring will be flashing yellow when ready for configuration.
6. Open a HomeKit compatible app of your choosing on your iOS device.
7. Open pairing window in your HomeKit app to detect available accessories.
8. Choose Wall Plug you wish to pair.
9. When prompted, allow the Wall Plug to connect to your Wi-Fi network.
10. Wait until the LED ring starts flashing violet.
11. You can identify it - Wall Plug will triple blink blue 3 times.
12. Find HomeKit Setup Code on the last page of *Quick Start Guide* included in the box that looks like this:
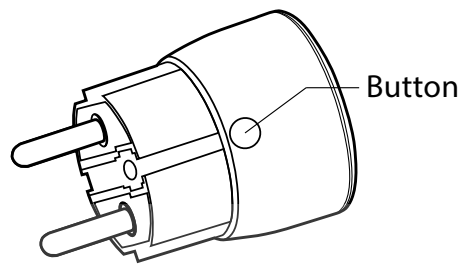
XXX-XX-XXX

13. Start pairing with your HomeKit app.
14. Point your iOS device's camera at the Setup Code to scan it or enter the Setup Code manually.
15. If entered Setup Code is valid, the device will complete the setup process.
16. Follow instructions displayed in the application.

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i | NOTE

Remember to keep your HomeKit Setup Code in safe place. You may need it in case of re-pairing.
Backup Setup Code is printed on the label of the accessory, but requires entering it manually.
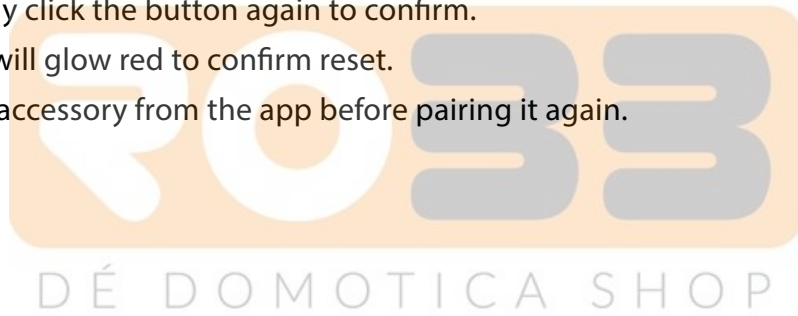
#3: Reset

Resetting the Wall Plug to factory defaults:

Reset procedure allows to restore the accessory back to its factory settings including HomeKit pairing.

1. Make sure the accessory is powered.
2. Press and hold the button.

Button

3. When the LED ring glows **yellow**, release the button.
4. Immediately click the button again to confirm.
5. Accessory will glow red to confirm reset.
6. Delete the accessory from the app before pairing it again.

#4: Functionality

Turning ON/OFF electrical devices:

The Wall Plug can turn ON/OFF connected electrical device either through iOS mobile app or button.

Multicolor LED ring:

The LED ring of the Wall Plug glows when device is turned ON and displays current active power consumption. Additionally LED ring allows to navigate the built-in menu.

Menu:

The Wall Plug can be operated using the built-in menu.

To enter and navigate the menu:

1. Press and hold the button.
2. Release the button, when the LED ring glows with desired color:
   - **VIOLET** - Wi-Fi range test
   - **RED** - reset Wi-Fi settings
   - **GREEN** - reset energy counter
   - **YELLOW** - factory reset
3. Immediately click the button again to confirm selection.

Disabling the LED ring backlight:
1. Press and hold the button for about 3 seconds.
2. Release the button when the LED ring starts pulsing **white**.

To restore the LED ring backlight perform above procedure again.

Active power metering:

The Wall Plug measures current active power consumption of connected device and reports it to your iOS device. Measured value is indicated with color of the LED ring.

Active power measuring accuracy is ±1% for loads greater than 5W.

Energy metering:

The Wall Plug counts energy consumed by connected device and reports accumulated value to your iOS device.

To reset energy counter:

1. Press and hold the button.
2. When the LED glows **green**, release the button.
3. Immediately click the button again to confirm.

Plug insertion detection:

The Wall Plug detects if any device is plugged into it and reports it to your iOS device.

Overload Control*:

Functionality allows to switch off connected load after 4 seconds from exceeding the power set by the user in Fibaro for HomeKit app.

Power Change Notification*:

Minimum and maximum allowed power consumption may be defined by the user in Fibaro for HomeKit app. Exceeding any of these values results in sending a notification.

Timer Switch*:

Functionality allows to set time (in Fibaro for HomeKit app) after which connected load will be automatically turned on/turned off.

Timer will start after changing the ON/OFF state to opposite (through the app or connected wall switch). If the device state was changed before expiring of the set time, the counter will reset.

It is possible to use both Turn ON and Turn OFF functionality - it will result in cyclic load control.

| i | **NOTE** |

* Functionality available only in Fibaro for HomeKit app.

#5: Wi-Fi

Wi-Fi range test:

The Wall Plug can measure Wi-Fi signal strength and indicates it with color of LED ring:

- **Green** – good (≥ -45dBm)
- **Yellow** – fair (≥ -70dBm, < -45dB)
- **Red** – weak (< -70dBm)

To start range test:

1. Press and hold the button.
2. When the LED glows **violet**, release the button.
3. Immediately click the button again to confirm.
4. LED ring will indicate signal strength with color.
5. Range test will be disabled after pushing the button.

Resetting Wi-Fi settings:

The Wall Plug allows to reset its Wi-Fi settings and get new setting from your iOS device.

To reset Wi-Fi settings:

1. Press and hold the button.
2. When the LED glows **red**, release the button.
3. Immediately click the button again to confirm.
4. LED ring will glow yellow for 30 minutes, while waiting for new settings from iOS device.

#6: Configurable parameters

1. Color of LED ring
This parameter allows to choose color of LED ring when device is ON.

Available settings:	**0** – color dependent on measured active power*
	1 – color dependent on active power measurements with smooth transition between colors*
	2 – white, **3** – red, **4** – green, **5** – blue, **6** – yellow, **7** – cyan, **8** – magenta
	9 - LED ring disabled
Default setting:	**1** (color dependent on measured active power with smooth transition between colors)

2. Measured power for blue LED ring color
This parameter allows to set power value for blue backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**100W**

3. Measured power for green LED ring color
This parameter allows to set power value for green backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**200W**

4. Measured power for yellow LED ring color
This parameter allows to set power value for yellow backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**400W**

5. Measured power for orange LED ring color
This parameter allows to set power value for orange backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**1000W**

6. Measured power for red LED ring color
This parameter allows to set power value for red backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**1800W**

7. Measured power for violet LED ring color
This parameter allows to set power value for violet backlight of LED ring.

Available settings:	**1-2500W** – power consumption in Watts
Default setting:	**2300W**

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i NOTE

* Colors depending on the measured value:
0W - white
100W - blue
200W - green
400W - yellow
1000W - orange
1800W - red
2300W - violet

i NOTE

The value of parameter 2 must be lower than value of parameter 3.

i NOTE

The value of parameter 3 must be between values of parameters 2 and 4.

i NOTE

The value of parameter 4 must be between values of parameters 3 and 5.

i NOTE

The value of parameter 5 must be between values of parameters 4 and 6.

i NOTE

The value of parameter 6 must be between values of parameters 5 and 7.

i NOTE

The value of parameter 7 must be higher than value of parameter 6.

#7: Specifications

Power supply:	230V AC, 50 Hz
Rated load current:	10A - continuous load
Power consumption:	up to 2W
Power output (for resistive load):	2300W - continuous load
To be used with E or F type (Schuko) sockets:	- CEE 7/16 - max load 2.5A - CEE 7/17 - max load 10A - Dual type plugs E/F
EU directives compliance:	RED 2014/53/EU RoHS 2011/65/EU
Pollution degree:	2 (home and office use, indoor only)
Radio protocol:	IEEE 802.11n *Bluetooth®* low energy
Radio frequency:	2.4 GHz
Transmit power:	14 dBm (Wi-Fi) 8 dBm (BLE)
Operating temperature:	0-40°C (32-104°F)
Dimensions (diameter x height):	43 x 65 mm (1.7" x 2.56")

Safety classification rating: home and office use only

Type 1 action according to features of automatic action as per clause 6.4.1 of EN 60730-1:2012 standard.

Software class A device, according to EN 60730-1:2012 standard.

#8: Regulations

Legal Notices

All information, including, but not limited to, information regarding the features, functionality, and/or other product specification are subject to change without notice. Fibaro reserves all rights to revise or update its products, software, or documentation without any obligation to notify any individual or entity.

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Wi-Fi is a registered trademark of Wi-Fi Alliance.

The Bluetooth word mark is registered trademark of Bluetooth SIG, Inc.

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Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Warning

This product is not a toy. Keep away from children and animals!

WEEE Directive Compliance

Device labelled with this symbol should not be disposed with other household wastes. It shall be handed over to the applicable collection point for the recycling of waste electrical and electronic equipment.

Declaration of conformity

Hereby, Fibar Group S.A. declares that the device is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.manuals.fibaro.com