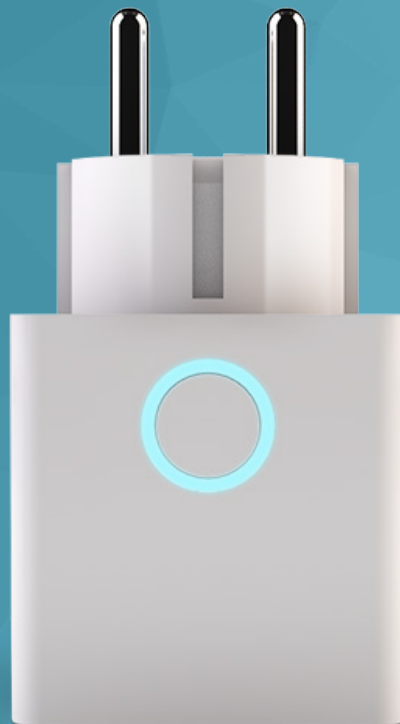


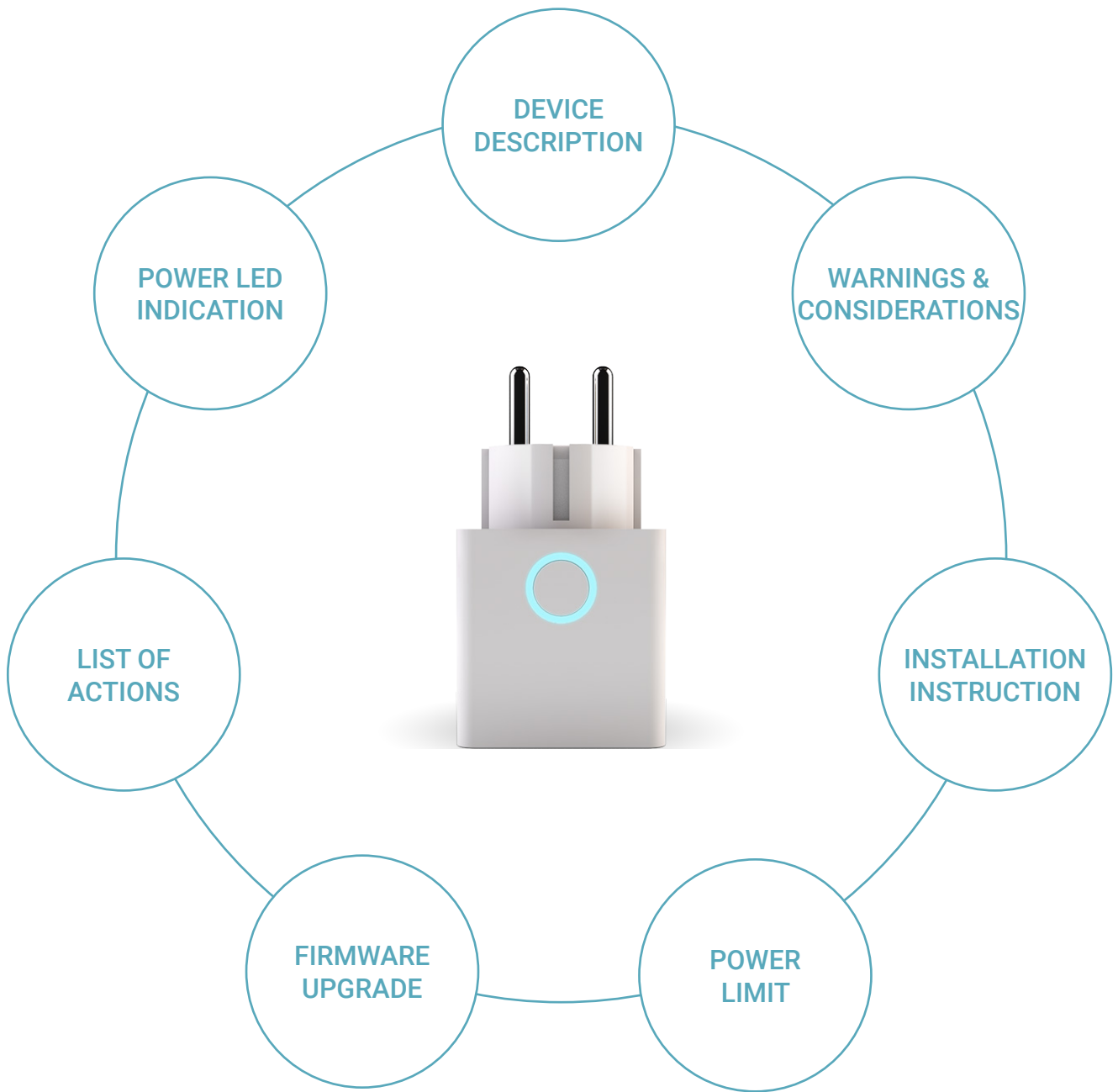


OBLO
LIVING

BluePlug

Controlled via Bluetooth



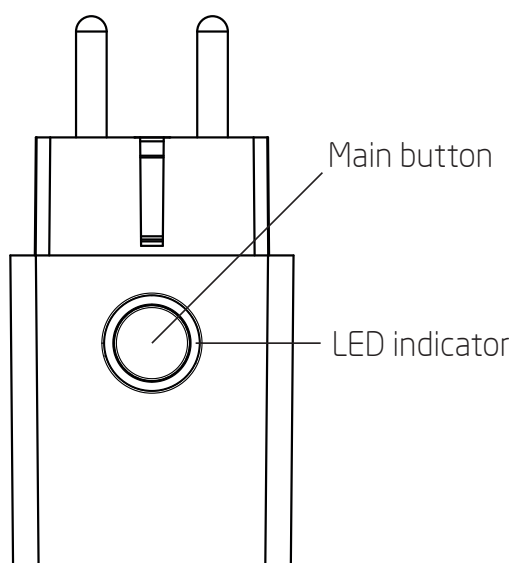


Device Description

BluePlug is wirelessly controlled electronic switch with overload protection and power measurement features. It can operate as a standalone unit or as a part of OBLO home automation system (the latter case featuring power measurement capabilities).

BluePlug is Socket Type F and Plug Type E. Plug it into any home socket. Relocate Smart Plug to any other socket in home to control another device.

BluePlug communicates with other parts of the OBLO system through 2.4GHz radio link supported by IEEE 802.15.4 standard protocol for wireless communication.



Power Supply	~110 - 230V, 50 - 60Hz
Operating Temperature	0 - 40°C
Dimensions	86 x 44 x 44 mm
Communication	IEEE 802.15.4 2.4GHz
Radio Protocol	Bluetooth 4.0 (BLE)
Max. Load Ratings	3500W/16A (cos φ > 0.90)
Protection Degree	IP20
Switch Construction	μ (relay)

Additional information regarding can be found at: blueplug.oblo.rs

Warnings & Considerations



Warning: Using BluePlug device in a manner other than outlined in this document is not allowed.



Caution: Improper use or installation can cause SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY.



Caution: Do not try to remove a plastic cover of the device. Otherwise, SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY is possible.



Caution: Do not try to repair a device, please contact authorized person. Otherwise, SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY is possible.



Important: Do not overload this device above the recommended output.

Installation Instruction

- 1) BluePlug is easy to install and use. Simply insert Smart Plug into the socket and LED indicator will glow white.
- 2) When application connects with plug for the first time, dialog for entering PIN code will pop up. Please enter security code (default: 123456), and thereafter connection procedure continues. After successful connection, you can change security level and PIN code from settings
- 3) Test BluePlug device to see if it is working properly using on/off commands – single short button press. You should be able to hear clicks (device switching noise). The minimal time between two commands should not be less than two seconds. Turning load on and off faster than once per two seconds can shorten device lifetime
- 4) If BluePlug switch functions properly, Android SmartPlug application can be used to access advanced Smart Plug functionality.

Minimal requirements for the application: Android 4.3 device with BLE hardware support. Detailed instructions can be found in the “OBLO System – User Manual” document, available for download at:

blueplug.oblo.rs

Power Limit

BluePlug has two overload protection limits. Current threshold is fixed and set to around 16A. The second limit is a user configurable power limit which can be set in range [10 - 3500W]. If either limit is exceeded for a period of approximately two seconds, the load will be disconnected.

Three consecutive short presses while plug is in OFF state will reset power limit settings to 3500W.

The power limit is 3500W/16A factory defined.

Reset user power limit

- The plug must be without a consumer in OFF state.
- Make three consecutive short presses. After this the power limit is changed to maximum 3500W. LED indication: 3 x green blink.

Set user power limit on wanted value

- The plug must be in ON state with referent consumer connected.
- Make three consecutive short presses. After this the power limit is changed to referent consumption (current consumption of the consumer) with some margin. LED indication: 3 x green blink.

Factory reset

Factory reset is used to delete all stored settings and data. Hold down the button and wait for LED indicator to start blinking red. Do not release the button. LED will start to blink faster after approximately 10 seconds. Release the button. The plug will be reset to the factory defaults.

Note

The power limit is approximately 3500W factory defined.

Firmware Upgrade

Firmware can be upgraded through SmartPlug application. For detailed instructions please follow on-screen instructions.

List of Actions

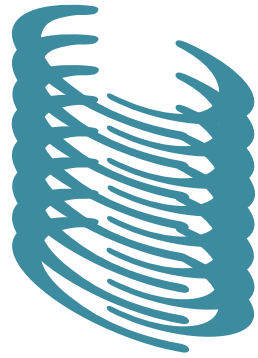
NORMAL MODE	
Short press - single	<i>ON/OFF</i>
	LED indication: 1 x green blink
Short press – 3x	<i>Set/Reset power limit</i>
	LED indication: 3 x green blink
Long press [0-5 sec]	<i>The button released within this period does nothing</i>
	LED indication: OFF
Long press [5-10 sec]	<i>The button released within this period switches device to SETUP operating mode</i>
	LED indication: slow red blinking
Long press [10-15 sec]	<i>The button released within this period resets the device to the factory settings</i>
	LED indication: fast red blinking
Long press [>15 sec]	<i>The button released within this period does nothing</i>
	LED indication: OFF

FIRMWARE UPGRADE MODE	
LED indication	3 x green blink
Long press [0-5 sec]	<i>The button released within this period does nothing</i>
Long press [5-10 sec]	<i>The button released within this period makes device exit FIRMWARE UPGRADE operating mode</i>
	LED indication: slow green blinking
Long press [>15 sec]	<i>The button released within this period does nothing</i>
	LED indication: OFF

Power LED Indication

In NORMAL operation mode LED is used for active power indication. If Smart Plug is in OFF state, power LED indication will be white. If the plug is in ON state, LED indicates active power as shown in the table.

COLOR	ACTIVE POWER [W]
White	0 (OFF State)
Yellow	0
Green	50
Cyan	500
Blue	1000
Magenta	2000
Red	3000
Orange	3500



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