proSmart

User Manual

Control your devices from anywhere in the world.
Efficiently. Reliably. Easy.

Control your home through your smartphone!

The product:

- **PS Plug** is a Wi-Fi programmable controller. The device is an Internet connected relayed module, that includes a weekly schedule. The latter could be programmed and controlled via an Internet connected PC desktop computer or a smartphone.
- **PS Plug** allows the fast automatization of every electrical device, regardless of its manufacturer or model.
- The technology set in **PS Plug** allows it to connect with any wireless Internet, without the need of any additional settings.
- **PS Plug** is an intricate system with which you can manage and adjust the whole system at your home, office or villa.
- **PS Plug** allows the users to receive real time information for all connected devices — their work and current status.

Why choose PS Plug

- Provides comfort and mobility
- Optimizes the control of the connected appliances
- Complete integrated control system
- Easy to use and user friendly software interface
- Mobile application running on all mobile OS

PS Plug could be used for

- Control of small electrical appliances
- Control of interior and exterior lighting
- Control of irrigation systems
- Fan control
- Presence simulation

Technical specifications

62mm

73mm

110mm

proSmart
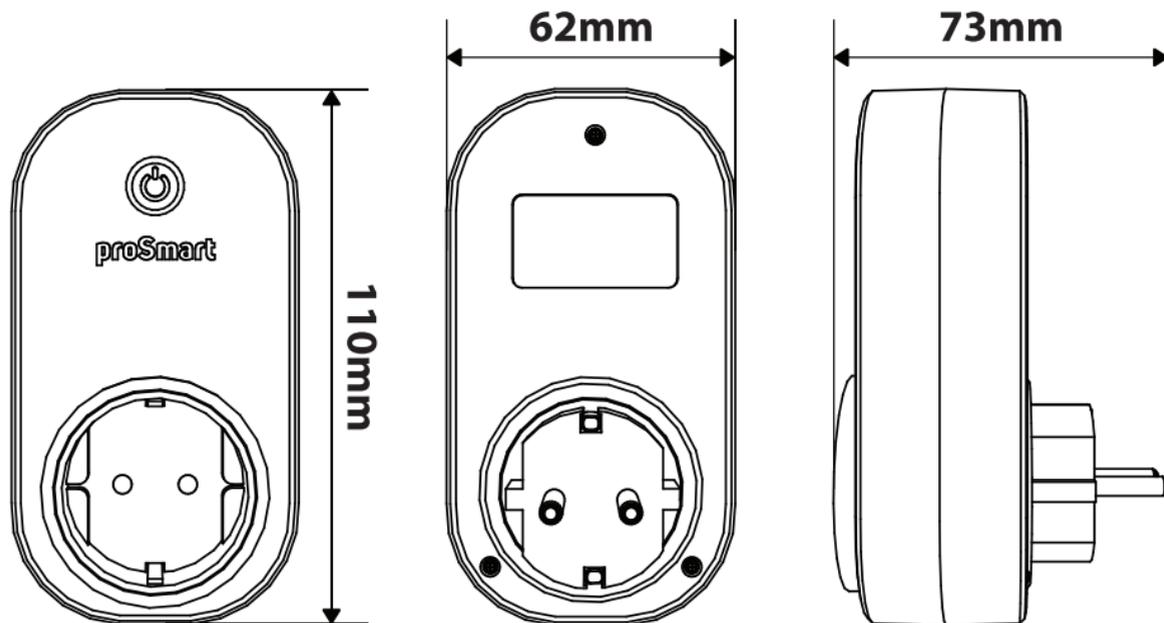
Switching socket	10A
Air humidity during transportation	from 5% till 90% without condense
Charging block	90V - 250V AC 50-60Hz
Working frequency	Wi-Fi (b/g/n) 2,4GHz
Size	110x62x73mm (LxWxH)
Working temperature	0°— + 45°C
Storage temperature	-20°— + 60°C
Working humidity	5% — 90% without condense
Ambient temperature during transportation	from −20°C till +60°C
Network topology	Wireless communication
Protection degree, provided by the shell	IP20 – in installation position

Safety instructions

Please, read before using the device for the first time
The outlined safety procedures below are to be followed while using the current product. Please, do follow all warnings in the device's user manual.

General safety instructions
You are the only one responsible for the device's usage, as well as for any caused damages in consequence of that. The device's usage is a subject of the set safety measures for the customers and their environment. Please do not press the device too hard. Always use it and its accessories gently and keep them in a clean place, away from any dust. Do not expose them to open fire or in any proximity to lighted tobacco products. Do not let the device and its accessories to fall down, do not throw or fold them. Do not use any aggressive chemicals, detergents or aerosols for their cleaning. Do not paint them and do not attempt to disassemble the device or its accessories. That could be accomplished only by a qualified professional. The device's working temperature is from 0°C till +45°C and storing temperature of –20°C till +60°C. For removing electric products' waste, the

national and regional legislations are followed. The device is to be installed in electric switchboards or in the device/s it will manage and is created to control household devices and equipment.

Any unauthorized reconstruction and/or product modification is strictly forbidden following the European safety and approval directives (CE). Services, settings and repairs could be accomplished only by an authorised service provider. For its repair use only the original spare parts. The usage of other spare parts could cause significant damages or injuries. If you notice any damage, please stop using the device. Before cleaning the device, disconnect it from the power supply. Do not use any liquids or aerosols.

Attention! Damaged power supply cables are a life treat as could lead to an electric shock.
Do not use the device if there is a damaged cable, power supply cord or network plug. In case of a fault, turn to a qualified technician!

Do not leave children with the device without supervision!

Do not let children play with the device. They cannot properly assess the danger of using electric devices. The device is not intended for use by individuals (including children) with limited physical, sensory or mental capabilities or without any experience and/or knowledge unless they are controlled by an individual responsible for their safety or have received instructions on how to use it. Use, set and keep the product only in places away from children. Do not leave the packing materials spread aimlessly. They could be a dangerous toy for your children. Your new device contains many small components with sharp edges that could cause injuries and upon disassemble - a swallowing or suffocation risk.

Electric safety
This device could be used only when powered by the specific supply unit. Every other way could be dangerous and terminates the validity of any issued device's certificate. Use the correct external power supply. The device should be powered only by the specific power supply as indicated on the nominal electric power supply's nameplate. If unsure of the power supply's type, please turn to the authorized service provider or to the local electric services company. Please, be extremely careful. Store and use the device in a place far from water or other liquids as those could cause a short circuit.

Dangerous environment limitation usages
Do not use this device in gas stations, gas storages, chemical plants or in places where flow blasting is taking place, locations with potentially explosive environment, for instance in places such as fueling areas, gas storages, ship holds, chemical plants, in installations for fuel or chemical transportation or storage and in zones where the air contains chemicals or particles such as grain, dust or metal particles. The sparks in such places could cause a blast or fire and in consequence - a severe health damage, even death.

In case you are in a flammable materials' environment, the device must be turned off and the user is to follow all instructions and warning labels. The sparks in such places could cause fires or explosions, leading to injuries and even death.
We highly recommend to not use the device in fueling areas, workshops or gas stations. The customers should follow the limitations set for high frequency devices' usage in fuel storages, chemical plants or in places of flow blasting work process.

Damages requiring repair

In case of any of the outlined cases below, unplug the device from the power supply and look for an authorized service provider or turn to the supplier for specialized repair: the product had been exposed to rain or moisture, slipped, hit, damaged or has visible overheating traces.
Even though you are following the user manual, the device is not working correctly. Do not expose it to heating or in a close proximity to a heating source, such as radiators, thermal accumulators, furnaces or other equipment (including amplifiers) that emit heat. Keep your device from any humidity. Never use the product in rain, in a close proximity to sinks, in other moist environment or in such

with high air humidity. If the device ever gets wet, do not attempt to dry it off in a furnace or a dryer for the risk of damage is high!

Do not use the device after a sudden temperature change. If you are transferring the device between environments with big temperature and humidity level differences, it is possible for the steam to condense on the surface and inside of the device. In order to avoid the device's damage, please do wait for the moisture to evaporate before using the device. Do not insert any elements in the device that are not part of its original accessories!

EU-regulations and disposal

The device fulfills all needed standards for the free movement of goods within the EU. This product is an electric device and as such must be collected and dispose of according to the European directive on waste electrical and electronic equipment (WEEE)

This product is in accordance of the regulations in Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of

the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its recasts.

Burns and fire prevention

Do not use the device if the premises' temperature goes above 40°C. Keep the highly flammable materials away from the device. Make sure free air access around the device is available.

PS Plug is a Wi-Fi programmable controller, suitable for domestic and industrial buildings without the need of additional wiring.

With **PS Plug** you can easily control coffee machines, fans, irons, electric bulbs, irrigations systems, and more from your smartphone, watch or tablet.

PS Plug guarantees the high security level and data and login storage via a secure server.

PS Plug has a user friendly interface and a smartphone application running on all mobile OS. There is also an option for control via a smartwatch.

PS Plug connects very easily to a chosen Wi-Fi router. This is accomplished via the **proSmart** application for your smartphone, smartwatch, PC or tablet. You can add a new device in three quick and easy steps. Upon installation of the product the customer is to install **PS Plug** according to the user manual to the desired device it would be controlling.

The products complies to the requirements of EN 50491-3.

PS Plug is created to work on the following environmental conditions:
- For premises' work;
- For altitude up to 2000m;
- For ambient temperature from 0°C till +45°C;
- For average maximum air humidity for temperature of up to 31°C -
80%, linear decreasing to 30% average humidity for 45°C temperature;

Attention! The protection against inflation and fire spreading is provided by the terminal equipment in which you would be embedding your device. Please keep all devices for remote control away from children.

Installation guide

Step 1:
1.1 Every **PS Plug** set includes:
1 pc control block;
1 pc user manual for installation

Unpack the device and take the two main
elements out of the box **(Scheme 1)**.

Connect your **PS Plug** to any electrical
appliance by placing the device in a Schuko socket.

Scheme 1

Attention! Do not modify or influence the built in protection of the electric
device in any way!

1.2 Installation
PS Plug is a device meant to be plugged in a Schuko socket.
(Scheme 2).

Scheme 2

1.3 A few requirements must always be considered and followed during installation:
- The device's installation and connection must be accomplished according to the national legislation for electrical installations.
- All activities on the device's installation, uninstallation, service and repair are to be made only after it had been securely removed from

the power supply (the controller itself, as well as the chain it controls through the relayed exit).

- Disengagement tool must be provided for the electric installation during the device's installation and the needed safety is to be ensured for the service provided.

- All connections to the relay's outputs in the device must be conducted with conductors with an insulation resistance not lower than that of the insulated conductors of PVC T 105°C.

- The device is installed only in a shell allowing the needed level of protection of the end product. Its installation on accessible surfaces and covers, allowing the easy access without the use of any instrument, is strictly forbidden.

- The device's installation must be accomplished in such a way as to deem it impossible to accidentally activate the reset button.

Step 2: Initial setting up and connection to a chosen Wi-Fi network

In order for the device to work properly, it must be connected to an Internet network. After installation, wait 10 seconds, press and hold the button for 5 seconds and track the light indicator on the device!

Attention! In **Access Point** mode and **ProSmartConfig**, if you hold the button for 5 seconds the device will reset to initial settings!

2.1 **ProSmartConfig** mode

The central block's green light emitting diode starts blinking very rapidly for a quick period of time. That indicates the device is in **ProSmartConfig** mode. Please connect your mobile device to the Wi-Fi network where **PS Plug** will be operating in. Open the **proSmart** mobile app on your smartphone or tablet. If you still do not have the mobile app installed, you can download it from **Google Play store**, **Apple store** or **Windows Phone Store**.

Log in to your profile with your email and password. If this is your first **proSmart** device and you have not registered yet, you can do that in **proSmart's** webpage: **https://prosmartsystem.com/en**

Press the **'Add'** button ⊞ for adding a new device, located in the upper hand side of the screen.

Press the button **'PROSMART CONFIG' (Scheme 3)**, type in the password of your selected Wi-Fi network and click on **'SEARCH' (Scheme 4)**.

Scheme 3

Scheme 4

Watch the green light on the device. When the light goes off and then starts blinking every 3 seconds, **PS Plug** is ready to work.

Look at the mobile device's screen. The app is now ready to control **PS Plug.**

If you have used **ProSmart Config** mode, please proceed to **Step 3**.

2.2 **AP (Access Point)** mode

If you do not wish to use this mode, press twice the button quickly and the device will be transferred to standard connection mode **AP**.

The green light emitting diode blinks in an interval of one second. This indicates that the device's Wi-Fi module is in **AP** mode and you can connect to it through your PC or mobile device.

2.2.1 Initiate a wireless network search from your smartphone or laptop and connect to the **PS Plug**'s AP (the wireless network). Every device creates a network with its own name, starting with BSwitch_xxx and a combination of letters and numbers. For example BSwitch_254 and it does not require a password for access.

WiFi Settings

To connect to a WiFi network, please select one of the detected networks...

Scanning...

|	
WiFi password:	
Mode:	DHCP ▼
IP address:	192.168.1.10
IP mask:	255.255.255.0
GW address:	192.168.1.1

Back | Connect!

Scheme 5

2.2.2 After connecting, your browser will automatically open a new page giving you the chance to choose the wireless network, to which you want to connect the device **(Scheme 5).**

If your browser does not open automatically, please open it manually for the automatic opening of the browser is a manual setting and thus it could be turned off.

2.2.3 If your smartphone, tablet or laptop did not automatically load the settings page, as shown in **Scheme 5**, it could be accomplished manually. Open your browser and write the following address: **192.168.10.1**
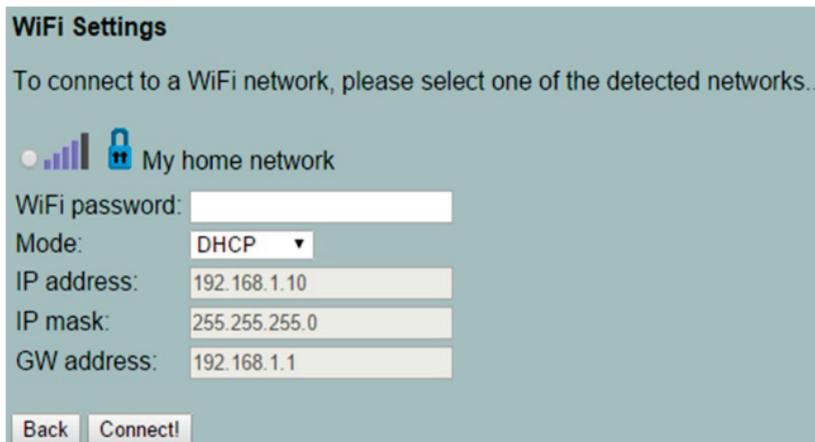
WiFi Settings

To connect to a WiFi network, please select one of the detected networks..

●..... 🔒 My home network

WiFi password:	
Mode:	DHCP ▼
IP address:	192.168.1.10
IP mask:	255.255.255.0
GW address:	192.168.1.1

Back   Connect!

Scheme 6

2.2.4 Choose the desired **Wi-Fi network**, type in your password and click on the **'Connect'** button - **Scheme 6**

2.2.5. In up to 20 seconds **PS Plug** will switch to a working mode and the light indicator will be on all the time, blinking shortly every second.

Congratulations! You connected your device successfully and can now add your profile in **https://prosmartsystem.com/en** so you can control and monitor its work.

2.3 Working mode – When **PS Plug** is in **Working mode**, the green light blinks every 3 seconds. If you hold the button for 5 seconds, **PS Plug** will go to settings in **ProSmartConfig** mode.

Step 3: User profile creation:
3.1 Once connected to the Internet, **PS Plug** becomes invisible to the other devices in the network. The only way to connect with **PS Plug** is via the user profile, associated with the particular device. If you do not have one, you can load the **proSmart's** page: **https://prosmartsystem.com/en** or download and install the **proSmart** app in your smartphone or tablet:

3.2 If you choose to use a browser, open **https://prosmartsystem.com/en** in your PC desktop or mobile device and press the **'Log in'** button in the upper right corner **(Scheme 7)**.

Scheme 7
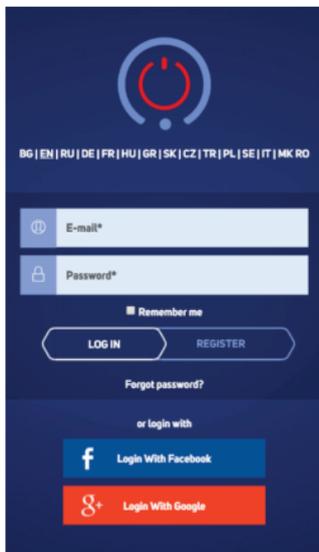
3.3 If you access the website or the app for the first time, you need to register or log in with your Facebook or Google + accounts by just clicking the particular button. **(Scheme 8).**

Scheme 8

3.4 New user registration.
Fill in the registration form and click the **'Register '** button. You are now registered and may enter the app. **(Scheme 9).**
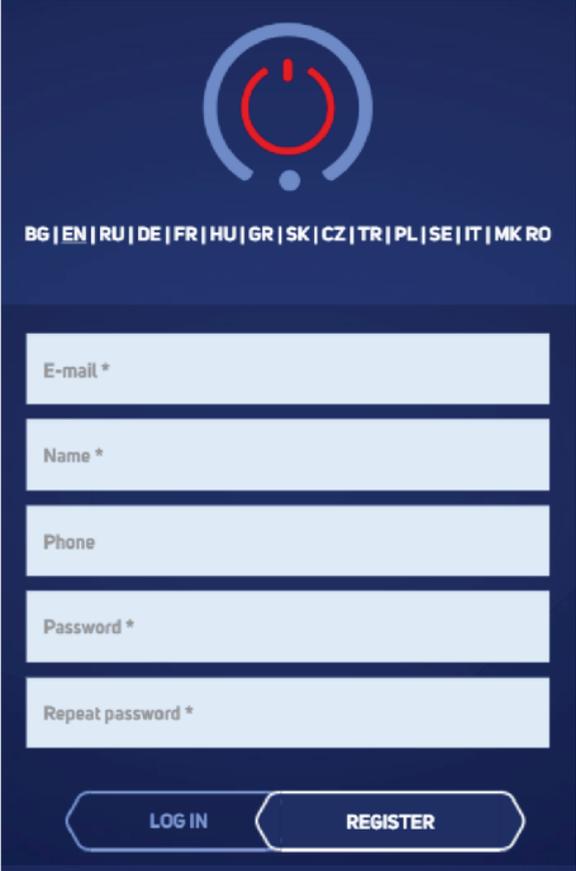
E-mail *

Name *

Phone

Password *

Repeat password *

LOG IN   REGISTER
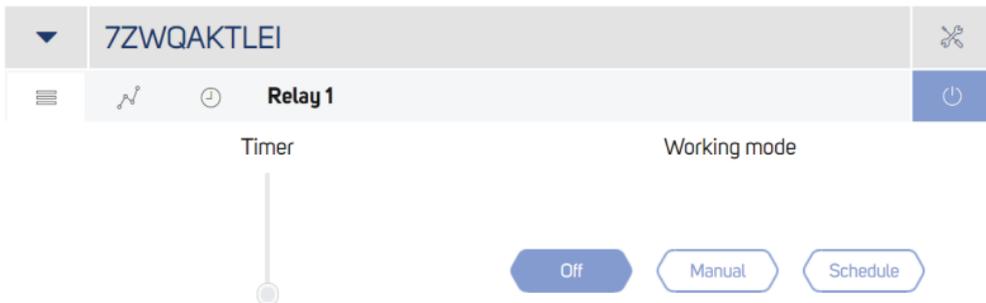
Scheme 9

Step 4: Adding a device
If you have used **ProSmartConfig** mode from step 2, please proceed to step 4.3.
4.1 Home Screen —After the successful login with username and password, you should already be seeing the home screen in your profile and can add the device you have received. Enter the serial number of your **PS Plug** device that you previously connected to the wireless network **(Scheme 10).**
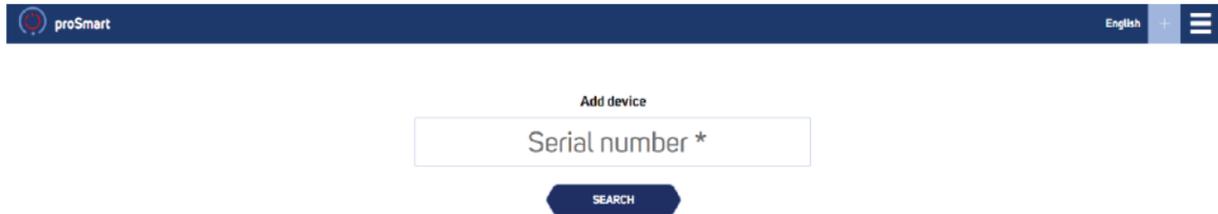
Scheme 10

4.2 Click on the **'Search'** button and after successfully finding your device, the application will redirect you to the main controlling screen **(Scheme 11).**

Scheme 11

In order to set a name for your device, as well as a time zone and location, press the ✂ button in the upper right corner and fill in the fields **(Scheme 12)**. From that window you can also delete the device from your profile via clicking the deletion button in the bottom right corner.

7ZWQAKTLEI

← Relay's control

Device Name

Time zone
Europe/Sofia

Location

Scheme 12

4.3 You can now set and control your device.
In the upper left corner you can find three buttons: **Main screen**, **Schedule** and **Graphics (Scheme 13)**.

Main screen   Schedule   Graphics

Scheme 13

Step 5: Main screen

5.1 On the main screen are the operating mode buttons **(Scheme 11)**:

- **Off** - the device does not work
- **Manual** - the device is on
- **Schedule** - the device performs the schedule

5.2 **Timer** - When selecting **Timer**, the appliance switches on and remains switched on according to the user's set time. After the set time has elapsed, the PS Plug returns automatically to the previous mode of operation **(Scheme 14)**
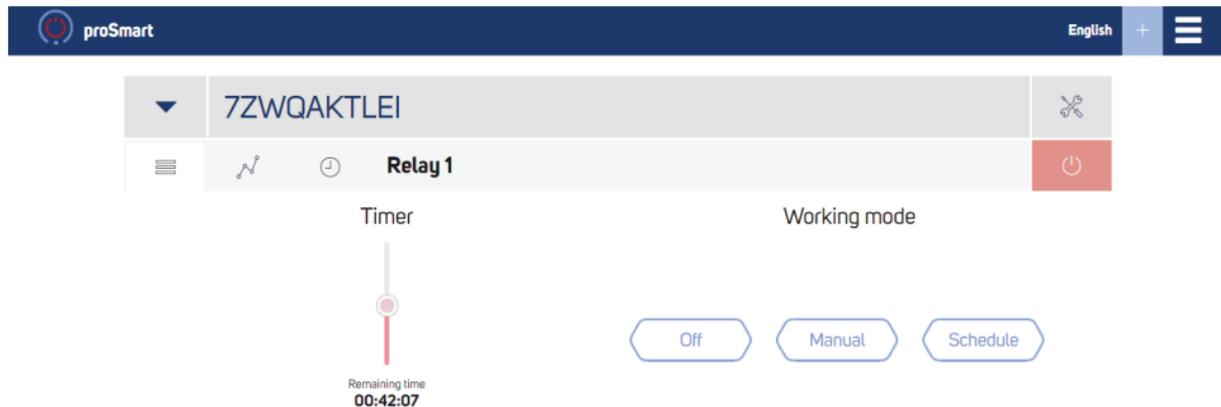
Scheme 14

5.3 **Sharing devices**

From the Shared devices menu via a button ☰ , placed in the upper right corner of the **proSmart** application's screen, every device's owner can share them with other registered users via an email.

Step 6: PS Plug servicing

6.1 **PS Plug** is cleaned with a dry or slightly dampened with water towel. The use of aggressive or abrasive cleaning liquids is strictly forbidden.

Warranty

The warranty of the device is 24 months from the date of purchase. The serial number of the **PS Plug** device is unique and you need to present it in the event of a problem during the warranty period.

The warranty will not be recognized if any of the following events occur:

• Lost or counterfeited warranty card;
• Damages, caused from wrong installation and exploitation;
• Attempted repair from an unauthorized service provider;
• Chemical, electrical or other influence on the product, which is not part of its natural usage.
• Distorted physical integrity of the device

All claims under the warranty are to be directed at the shop the device had been bought from or directly at the manufacturer Pro Smart Inc.