



## INTERACT<sup>3</sup>.



User manual

Wireless adaptor plug switch IP 20/IP 44, wireless adaptor plug dimmer  
German/English

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|-----------------|--|
| 53916.00.001.01 | Wireless adaptor plug switch IP 20 (Model ZW ZS 3500)  |
| 53917.00.001.01 | Wireless adaptor plug switch IP 44 (Model ZW ZSA 3500) |
| 53918.00.001.01 | Wireless adaptor plug dimmer (Model Z-DAN 300)         |

## Dear INTERACT<sup>3</sup> user:

You can download this user manual in an appropriately larger format from our internet website [www.popp.eu](http://www.popp.eu).

Our service hotline is available for further product-relevant questions at the service line: +49 (0) 92 73/73-150.

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## 1. GENERAL INFORMATION ON "Z-WAVE":

**INTERACT<sup>3</sup> is a radio system that is based on Z-WAVE technology. INTERACT<sup>3</sup> offers a varied range of advantages in comparison to other radio systems:**

### **Safe:**

Generally, radio systems build a direct link between the transmitter and the receiver. The radio signal is attenuated by every obstacle along its path (in the household e.g. wall, furniture etc.), in the worst case the radio system ceases to function. The advantage of the intelligent **INTERACT<sup>3</sup>** system is the so-called routing function: All devices of **INTERACT<sup>3</sup>** not only act as the transmitter or the receiver but also simultaneously as the "repeater". Should a direct radio link between the transmitter and the receiver not be possible, communication will be established with the assistance of other devices.

### **Communicative:**

**INTERACT<sup>3</sup>** is a bidirectional radio system. This means that a signal is not just sent but also a feedback confirming the reception of the signal occurs automatically. The safety of transmission of the **INTERACT<sup>3</sup>** radio bus technology is comparable with that of a wire-linked bus system. It is likewise possible to determine the switching status by pushing a button: Has the cellar light been definitely switched off?

### **Trouble-free:**

**INTERACT<sup>3</sup>** transmits at a regulated frequency band with a frequency of 868 MHz. Every **INTERACT<sup>3</sup>** network has its own unique network identification. Therefore, it is possible to operate two or more independently-operating networks in a room or home without any interferences. Troubles that can be caused by other devices, as is the case in open, non-regulated frequencies (e.g. 433 MHz) are excluded.

### Established:

Although the **Z-Wave** technology is new, it has already developed to form a technical standard. Renowned manufacturers from various fields offer solutions and applications that are based on **Z-Wave** technology and compatible among one another. This makes the system fit for the future and promises further upgrade phases. Further information can be found on **[www.z-wave.com](http://www.z-wave.com)**.

### Dynamic:

**INTERACT<sup>3</sup>** is equipped with a dynamic network structure. Right from the start, the position of the individual **INTERACT<sup>3</sup>** devices who are supplied with 230 Volts is monitored and automatically updated in the case of changes. As a means of which it is possible to continuously adapt the network to its individual requirements, wholly automatically without the necessity of any programming tasks.

## 2. GENERAL INFORMATION:

### 2.1 LED indication:

<b>Yellow:</b>	device is switched on.
<b>Blue:</b>	device is switched off.
<b>Red:</b>	device defective/ Configuration not successful.
<b>Blinking yellow:</b>	device is dimming up.
<b>Blinking blue:</b>	device is dimming down.
<b>Green:</b>	Configuration successful.
<b>Red/Green blinking:</b>	device is not programmed.
<b>Red/yellow/green:</b>	Reset is accomplished.
<b>Short green light:</b>	Child protection is deactivated.
<b>Blinking red:</b>	Child protection is activated. Thermoswitch is activated

### 3. BEFORE INSTALLATION/STARTUP:

Please carefully read the enclosed user manual before installation in order to ensure an error-free functioning.

**ATTENTION:** Works with 230 voltage networks may be done only by authorized technicians under consideration of the country-specific installation guidelines/ norms. Prior to the assembly of the product, the voltage network has to be switched on and ensured against re-switching.

The product is permitted only for proper use as specified in the user manual. Any kind of guarantee claim has to be forfeited if changes, modifications or painting are undertaken. The product must be checked for damages immediately after unpacking. In the case of a damage, the product should not be operated in any case.

If a danger-free operation of the equipment cannot be assured, the voltage supply has to be immediately interrupted and the equipment has to be protected from unintended operation.

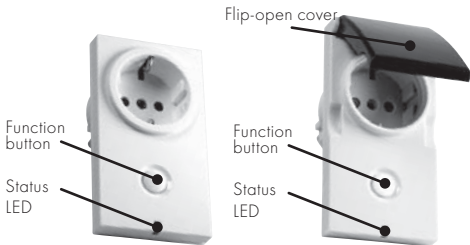
**NOTE:** The product is dispatched in the delivery state “not programmed”. While installation or actuating the pushbutton, this status is showed by a blinking red/ green LED.

#### 4. GENERAL INFORMATION ON WIRELESS PLUG ADAPTORS:

Wireless adaptor plug switch IP 20 (761 293) (Model ZW ZS 3500)

Wireless adaptor plug switch IP 44 (761 309) (Model ZW ZSA 3500)

Wireless adaptor plug dimmer (761 316) (Model ZW ZDAN 300)



- Serves the purpose of switching or dimming of fitted lights either via radio communication or directly over the **"FUNCTION"** button of the wireless plug adaptor.
- Wireless plug adaptors IP 20 (761 293) and IP 44 (761 309) are suitable for the wireless switching of incandescent bulbs, HV and NV-halogen bulbs (all transformer types).
- Wireless dimmer adaptor (761 316) is suitable for the wireless dimming of HV and NV-halogen bulbs (all transformer types).

**Attention: Applies only for iron-core transformers, see label!**

**NOTE: Do not interconnect more than one plug adaptor!!**

#### NOTE:

- Insert wireless adaptor plugs only in sockets with safety contact/ ground wire.
- Use of the wireless adaptor plug with devices that cannot comply with the technical standards can cause malfunctioning or damage connected equipments or wireless adaptor plugs.
- Since the wireless adaptor plug deals with electronic equipment, one has to take special care in contact with moisture or cleaning agents. We recommend cleaning only with a dry cloth.

## 5. FUNCTIONS/ OPERATION:

### 5.1 NETWORK INCLUSION:

For the adaptation of the wireless adaptor plug switch/dimmer, you need a controller (remote control or wireless wall-switch).



Press the **"UP"** or **"DOWN"** button on the desired group/scene of the remote control or the wireless wall-switch three times (blinks green) and then three times on the device to be included: The device is automatically associated with the selected group/scene or wall-mounted switch.

**NOTE:** If a radio link should not be possible while network inclusion, please bring the controller close to the wireless adaptor plug.

**NOTE:** For the purpose of adaptation, both the controller as well the wireless adaptor plug have to be supplied with power.

## 5.2 OPERATION

The wireless adaptor plug can be operated either over a controller (remote control or wireless wall-switch) or directly by actuating the **"FUNCTION"** button on the device. By a brief pushing, it is switched ON/ OFF. In the case of the dimmer, there is also the possibility of dimming (UP/ DOWN) by prolonged pressing of the **"FUNCTION"** button.

## 5.3 SPECIAL FUNCTIONS OF THE WIRELESS ADAPTOR PLUG DIMMER:

The wireless adaptor plug dimmer saves the most recently-set light intensity and automatically switches back to the same level of brightness at which it was switched off.

## 5.4 SPECIAL FUNCTIONS – CHILD PROTECTION:

If the radio adaptor plug is present in the "child protection mode" (also see the user manual wireless wall-switch or remote control), this can be disabled by pressing the **"FUNCTION"** button thrice within a span of 1.5 seconds. After 5 seconds of inactivity, the tamper-proof "child protection mode" is automatically reactivated.



**KINDLY NOTE:** The description for activation or deactivation of the child protection function is described in the user manual of the remote control/wireless wall-switch!

## 5.5 RESET:

Sometimes it might be necessary to reset the wireless adaptor plug to the factory settings and delete all the programming steps or associations. For resetting, a controller (remote control or wireless wall-switch) is needed.

**NOTE:** A successful reset of the wireless adaptor plug means that it has once again assumed the factory settings.



Press the **"EXCL."** button on the remote control for 2 seconds (the LED blinks green) and then press the **"FUNCTION"** button thrice within a span of 1.5 seconds.

The successful reset operation is signaled by a green light (3 seconds), whereas a failure by red light (3 seconds).

## 5.6 INCLUDING A WIRELESS ADAPTOR PLUG INTO A THIRD-PARTY NETWORK:



Start the inclusion step on the concerned controller of its network and press the "FUNCTION" button of the equipment to be included thrice within a span of 1.5 seconds.

**NOTE:** For information on handling or starting the inclusion step of products of other manufacturers, please read the documents of the respective manufacturer.

## 6. TECHNICAL DATA:

**Wireless adaptor plug switch IP 20 (Model ZW ZS 3500)**

**Wireless adaptor plug switch IP 44 (Model ZW ZSA 3500)**

Receiving frequency:	868.42 MHz
Switching capacity:	resistive 3,500 W HV-Halogen, incandescent 1000 W LV-Halogen, luminescent 690 VA
Operating voltage:	230 V, 50 Hz

### Wireless adaptor plug dimmer (model ZW ZDAN 300)

Receiving frequency:	868.42 MHz
Switching capacity:	HV, incandescent bulbs: 25 – 300 W LV-Halogen with iron core transformer 40 – 300 VA
Operating voltage:	230 V, 50 Hz
Operating temperature:	0°C to +40°C
Microfuse:	T 1.25 A H

All the above-mentioned products (exception: ZW ZSA 3500) comply with the norms only in indoor use: RTTE 1999/05/EG, VDE 0620-1, EN 61058.

### 7. GUARANTEE:

The products of the **INTERACT<sup>3</sup>** series are fabricated by means of modern technology and are subjected to strict quality controls. Should defects still occur in your equipments, the POPP GmbH offers guarantee to the following extent.

1. Our guarantee offer comprises the repair or new delivery of an equipment, if it exhibits a defect in the function or material composition that can be proven.
2. The guarantee offer is not based upon the natural wear and tear or transport damages or damages as a consequence of not paying attention to the installation instructions as well as improper installation. One automatically loses the claim to the guarantee offer, if the equipment has been disassembled after diagnosis of errors.

3. The guarantee term amounts to 24 months from the date of purchase by the end-user.

The compliance of the claim period has to be proved by a statement of the purchase date by means of enclosed invoice, delivery note or similar documents.

Batteries, LEDs and rechargeable batteries that are sent along with the delivery are not covered by the guarantee offer.

The POPP GmbH does not accept claims due to indirect, consequential and property damages.

If defects are observed in the equipment, please send the equipment with enclosed description of the defect to the following address:

POPP GmbH  
Kulmbacher Str. 27  
D-95460 Bad Berneck

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**Remark: Note for well-versed users.**

**All-manufacturer Z-Wave-compatible programming functions:**

**To effect Include mode** Press **"INCL."** button of the controller thrice

**To effect Include mode** Press **"EXCL."** button of the controller for 2 seconds.

**Associate** Press **"ASSOC."** button of the controller for 2 seconds, subsequently press the **"UP"** button on the controller followed by the **"send Node Info Frame"** of the target equipment.

**Re-include/Replicate** Press the **"INCL."** button of the controller thrice followed by the **"send Node Info Frame"** of the target equipment.



### Disassociate

Press the **"ASSOC."** button of the controller for 2 seconds, subsequently the **"DOWN"** button, followed by the "send Node Info Frame" of the target equipment.

### Learn Mode:

Press **"UP"** or **"DOWN"** button thrice.

### Send Node Info Frame

- press **"UP"** or **"DOWN"** button thrice
- (Controller) press **"INCL."** for two seconds

### Add node

Press **"UP"** or **"DOWN"** button thrice (inclusion or primary controller).



Please visit our website [www.popp.eu](http://www.popp.eu) in the internet and get to know about further innovative products of the POPP GmbH, such as e.g. the professional power outlet strip **adaptus®** **INTERACT3** with integrated Z-Wave radio technology.

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