

# S-Mitter MultiWhite<sup>2</sup>

24V

Typ: HA-MW2-E24 + HA-MW2-SMS



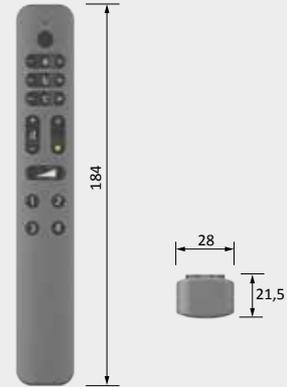
**en** Technical details

**Wireless hand-held transmitter**

Power supply:	3 VDC
Battery:	1x Lithium-Knopfzelle (CR2032)
Battery life:	ca. 8 months at average operation
Transmission frequency:	433,9 MHz
Transmission range:	Max. 30m in free field

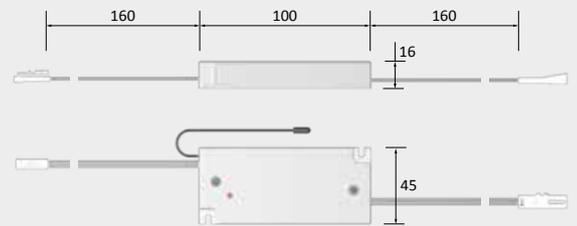
Stand-by current consumption:	10µA
Transmission operation current consumption:	10mA

Number of possible receivers: unlimited; in 4 groups depending on the radio range



**Receiver**

Nominal voltage:	24VDC
Switching capacity:	24VDC max. 72W
Load types:	LED MultiWhite <sup>2</sup> Leuchten
Number of possible hand-held transmitters:	max. 5
Channel allocation:	automatic for transmitter programming
Reception frequency:	433,9 MHz
Connections:	LED mini plug M2



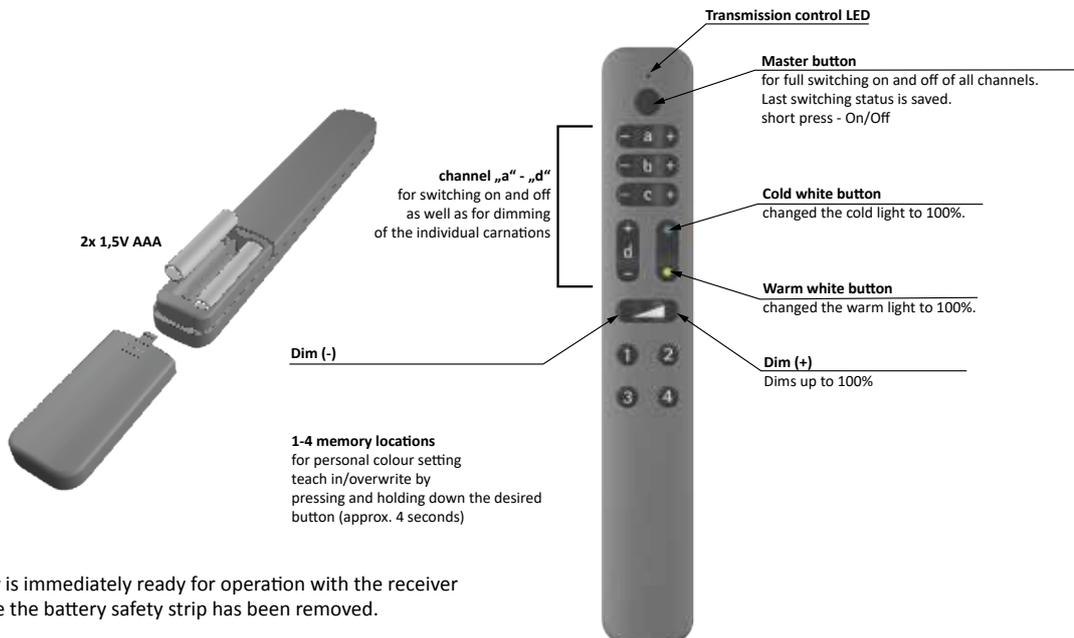
**Important Safety Informations:**

1. During installation, maintenance and repairs the system must be completely disconnected from the mains electricity supply. Disconnect the mains plug and secure it against being inserted again.
2. Only use approved installation materials or system accessories for mounting.
3. Damage caused by incorrect connection will invalidate warranty entitlement.
4. Cables should be installed in a way that connection points are not subjected to pull or tear.
5. To avoid hazards, any damaged external flexible lead of the light must only be replaced by the manufacturer or its designated customer care representative.
6. No warranty cover if unauthorized modifications are made.

**Keep installation instructions in a safe place!**

Please keep these installation instructions after installing the product so that any later changes can be carried out in the proper manner.

Do not dispose of in household waste! Disposal to be carried out in accordance with local regulations.



The wireless transmitter is immediately ready for operation with the receiver contained in the set once the battery safety strip has been removed.

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**Instructions for controlling an S-Mitter basic by several transmitters:**

As each individual transmitter changes command on the push of a button, it is possible that an additional transmitter may have to be activated twice. This may be the case if the lighting was switched off with transmitter A for example and it was then switched back on with transmitter B.

In this case transmitter A would send an „On“ command when the corresponding button was pressed. This would not, however, lead to a switching function as it had already been shifted to this switching status by transmitter B in the meantime.

**Instructions for control of several MultiWhite<sup>2</sup> receivers by one transmitter:**

The transmitter gradually sends signals concerning brightness and colour temperature control to the receivers. If the receivers are some distance away from one another, it is possible that the signal may not be transferred to all receivers. This is balanced out with the next signal change on the transmitter. The system is synchronised once again.

**Connection of the S-Mitter basic MultiWhite<sup>2</sup>**

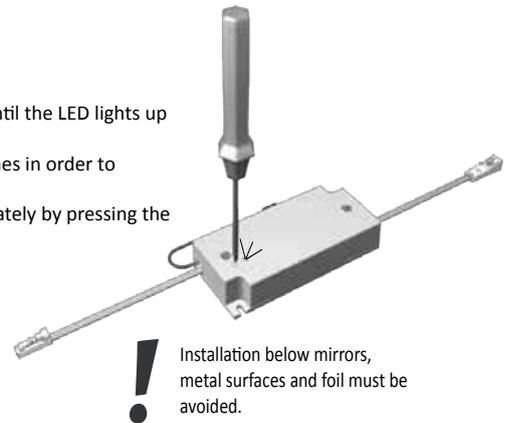
Establish connection of the power supply via the connections on the MultiWhite<sup>2</sup> receiver. Voltage and output of the load must match the selected power supply/ electronic ballast. The limit values of the S-Mitter basic must be adhered to. 24VDC max. 72W.

**Programming of S-Mitter basic MultiWhite<sup>2</sup>**

The distance between wireless transmitter and MultiWhite<sup>2</sup> receiver should not exceed 0.5 m here. 5 different transmitters can be taught into an S-Mitter basic MultiWhite<sup>2</sup>. The wireless transmitter can be taught into an unlimited number of spread over max. 4 groups wireless transmitters.

**Procedure - teaching in:**

1. A button for programming and an LED for display are located on the MultiWhite<sup>2</sup> receiver.
2. Press the programming button on the S-Mitter basic MultiWhite<sup>2</sup> down briefly for approx. 1 second until the LED lights up permanently.
3. Then press the channel button a,b,c or d on the hand-held transmitter down straight away for two times in order to send a message. The LED goes out briefly. A maximum of 5 transmitters can be taught in.
4. The programming process is ended automatically after approx. 10 seconds or it can be ended immediately by pressing the programming button on the S-Mitter again.



**How to clear a learned transmitter - delete entire transmitter memory**

1. Keep the programming button on the MultiWhite<sup>2</sup> receiver pressed down. The LED will begin to flash.
2. Continue to hold programming button down until the LED stops flashing.
3. After releasing the button, all transmitters will be deleted.

**Wireless transmission**

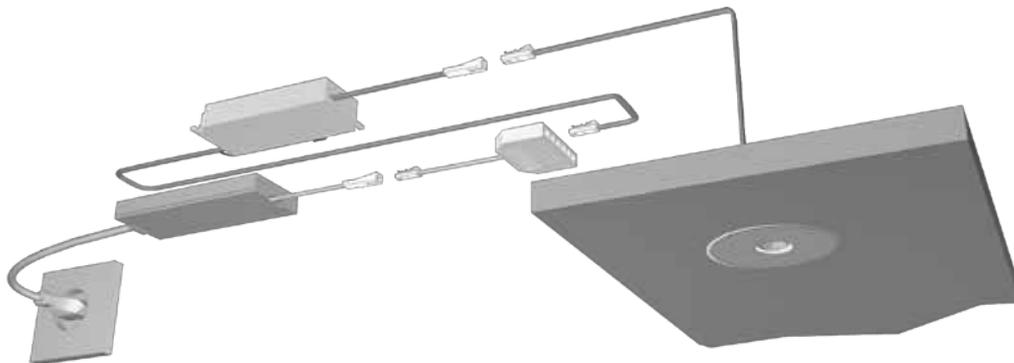
A non-exclusive transmission path which is available is used for wireless transmission so errors cannot be ruled out. The wireless transmission is not suitable for safety applications (emergency stop, emergency call). The wireless system is intended for use in the living area. The transmission range of a wireless transmitter is up to 30m in a free field.

**Hazards and disposal instructions**

Ensure that the load which is plugged in is in a secure state so that the switching on of the load does not cause any danger. The appliance is only intended for the switching and dimming of lighting and no other terminal devices may be connected to the system. Observe the maximum permissible load of the connected load / electronic ballast and MultiWhite<sup>2</sup> receiver (see technical data).

**Keep batteries out of reach of children.**

If batteries are swallowed, call a physician immediately. Do not reverse polarity of the batteries and observe the [+] and [-] marks on the battery and the device. The device is supplied with standard batteries which must not be charged. Charging these batteries may result in material damage and personal injury due to exploding or leaking batteries. Observe all safety instructions printed on the battery. Never open the battery or throw the battery or device into a fire. Observe the local regulations for disposal.



en LED ballast - This device should be accessible for maintenance.