WMS Hand-held transmitter plus

Operating and installation instructions

*Der SonnenLicht**Manager***

**Valid from
1 may 2023**
Keep for future use.

General information

Fig. 1   WMS Hand-held transmitter plus

The WMS Hand-held transmitter plus is used for the remote control of WAREMA WMS receivers. The receiver sends a confirmation of the received commands, and the WMS Hand-held transmitter plus indicates that it received the confirmation.

The WMS Hand-held transmitter plus supports five different product types (awning, roller shutter, external venetian blind, window, light).

Only one receiver or one group with multiple receivers of the same product type can be actuated at any one time per channel (6 channels).
The comfort control functions can be switched on and off by channel via the WMS Hand-held transmitter plus.

A WMS Hand-held transmitter, a WMS Central transmitter or the WMS studio software is needed for commissioning a weather station.

If a control function is preventing operation of the product (e.g. a wind alarm), this is also displayed on the WMS Hand-held transmitter plus.

The transmitter is compatible with: **works with homee**

Additional information can be found at:
www.warema.com/en/wms

Intended use

The WMS Hand-held transmitter plus is an electronic device to control WMS receivers. The approval of the manufacturer must be obtained for uses outside of the purposes listed in these instructions.

Safety instructions

⚠️ **CAUTION**
The WMS Hand-held transmitter plus is for indoor use only. It is not water-proof. Do not leave the WMS Hand-held transmitter plus outdoors.

⚠️ **CAUTION**
Never activate buttons on your WMS Hand-held transmitter plus arbitrarily without a line of sight to the sun shading system. Children must not play with this product – keep remote controls and transmitters out of the reach of children!

Follow the steps below in the order shown to ensure problem-free operation:
- Please read these instructions carefully.
- Insert the batteries.
- Learn the WMS Hand-held transmitter plus into the receivers.
- Check that the unit is functioning correctly.

Comissioning

Further information and aids such as video guides and the WMS practical manual can be found on our support site.

www.warema.com/radio-systems-support

- Insert the supplied batteries into the battery compartment as described in the "Maintenance" section. The device is then ready for operation.

ℹ️ Commissioning can also be carried out using the WMS studio pro or homee PC software.

ℹ️ Before WMS receivers can be operated via a hand-held transmitter, the hand-held transmitter or the receiver must be included as a device in a radio network.
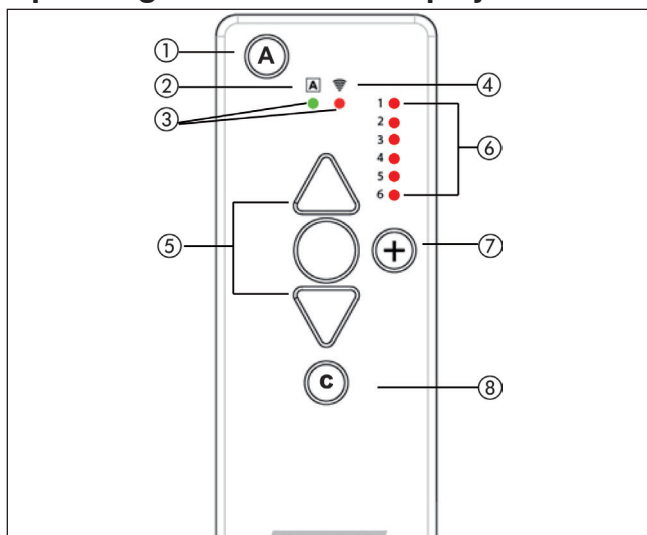
Operating elements and displays

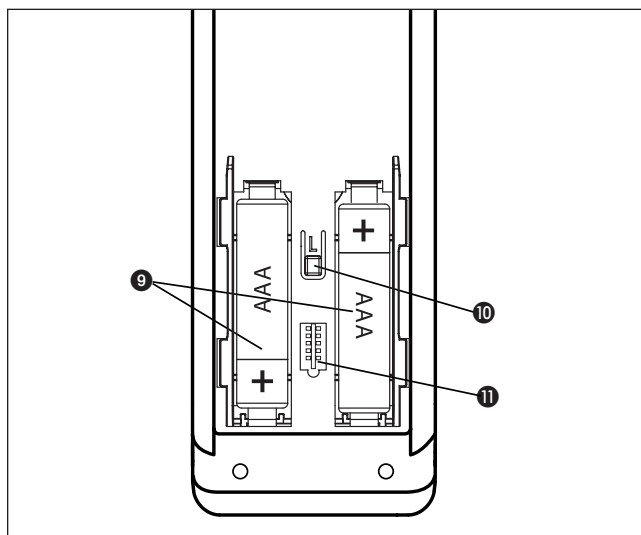Fig. 2   Operating panel of the WMS Hand-held transmitter plus

Fig. 3   Back of the WMS Hand-held transmitter plus

Pos.	Function		Result
Front			
❶	**Control button** Ⓐ	➡	Switching the comfort control functions on or off.
❷	**Control mode LED** 🅰	➡	Lights up green = Comfort control modes activated
			Lights up red = Comfort control modes deactivated
			Flashes red = Operation disabled
❸	**Control mode LED** 🅰 **and transmission LED** 📶 **flash**	➡	Flashes orange= Hand-held transmitter plus has the factory settings
			Flashes red = Button pressed too long, factory mode To close this mode again, briefly press the Learn button 🅛
❹	**Transmission LED** 📶	➡	Flashes green = Hand-held transmitter plus is transmitting
			Flashes red = The Hand-held transmitter plus has not received a response from the receiver
			Flashes orange: = Change the batteries
❺	△ ⊡ ▽ **buttons**	➡	Send move or switch commands to the selected receiver
❻	**LED display channel 1 to 6** 1● 2● 3● 4● 5● 6●	➡	Selected channel lights up red (here 2)
❼	**Change channels button** ⊕	➡	Toggles between channels 1-6 The display skips any unassigned channels and goes to the next assigned channel (e.g. from channel 1 to channel 3).
❽	**Comfort button** ⓒ	➡	Saving and recalling comfort positions
Back			
❼	**Batteries**	➡	The hand-held transmitter plus requires two batteries of type AAA (IEC LR03, "Micro").
❽	**Learn button**	➡	Activates or closes learn mode
❾	**L LED** 🅛	➡	Lights up green = Learn mode active

Learning in receivers

ℹ️ The first receiver to be learned into the Hand-held transmitter defines the channel type.
If an external venetian blind is the first receiver to be learned in, the channel type is defined as an external venetian blind channel and only external venetian blinds can be learned in.

ℹ️ To assign a new channel, press the change channel button ⊕ for 5 s.
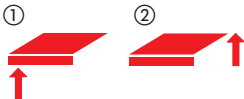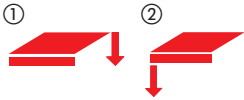
Learning in receivers	**Wake up transmitter**	Briefly press the stop button	➡	Transmission LED lights up
	Select channel	⊕ Press change channel button, select channel.	➡	1 ● 2 ● 3 ● Selected channel lights up red (here 2)
	Start scan process	L 5s Press the L button for approx. 5 s	➡	Transmission LED lights up green for 2 s = Target device (receiver, transmitter or sensor) found, receiver detected, scan continues
				Transmission LED lights up orange for 2 s = no target device found, scan complete
				Transmission LED lights up red for 2 s = Target device found, but not yet learnt in, new receiver found
	Identify receiver	Ⓐ Briefly press the A button	➡	≡⇅ Product waves
				🄰 Control mode LED flashes green with a receiver for which the product type can be adjusted. The type of product displayed depends on the flashing frequency: 1 x green: Awning 2 x green: Roller shutter 3 x green: External venetian blind 4 x green: Light 5 x green: Window
		Ⓒ Optional briefly press the C button		Next receiver is selected
	Set product type	△ ▽ Briefly press the up or down arrow button	➡	Select receiver / product type ■ Press Up ▶ Flashing increases by one ■ Press Down ▶ Flashing decreases by one
	Save allocation	▣ Briefly press the stop button	➡	Transmission LED lights up green for 2 s = Confirms the allocation
	Scan process continues	The scan process is repeated automatically until no more new devices are found	➡	Transmission LED flashes green
		Scan stops		Transmission LED lights up orange for 2 s
	Complete process	L Briefly press the L button	➡	✓ Process is completed

Operating products

i When the ▽ button is pressed again while the sun shading product is being lowered, it always moves to 100% (lower limit position) and the "Position DOWN" value is ignored.

Operating products	**Select channel**	⊕ Press change channel button, select channel.	1 ● 2 ● 3 ● 4 ● 5 ● 6 ● Selected channel lights up red (here 2)
	External venetian blind	△ ▽ Press and briefly hold the up or down arrow button	≡↑ The external venetian blind moves in the selected direction e.g. up
		△ ▽ Briefly press the up or down arrow button	≡↑ The external venetian blind turns in the selected direction e.g. slats tilt up
		△ ◎ ▽ Press stop button or keystroke in opposite direction	Product stops
	Roller shutter	△ ▽ Press the up or down arrow button	↑ The roller shutter moves in the selected direction e.g. up
		△ ◎ ▽ Press stop button or keystroke in opposite direction	Product stops
	Awning	△ ▽ Press the up or down arrow button	↑ The awning moves in the selected direction e.g. up
		△ ◎ ▽ Press stop button or keystroke in opposite direction	Product stops

Operating products			
	Awning with valance roller blind	Briefly press the up or down arrow button **once**	The awning moves in the selected direction e.g. up
		Press and briefly hold the up or down arrow button **once**	The valance roller blind moves in the selected direction e.g. up Awning position does not change
		Briefly press the up arrow button **twice**	① ② Valance roller blind moves up ①, then the **awning moves** up
		Briefly press the down arrow button **twice**	① ② Awning moves down ①, then the **valance roller blind moves** down ②
		Press stop button or keystroke in opposite direction	Product stops
	Window	Press the up or down arrow button	Window moves in the selected direction
		Press stop button or keystroke in opposite direction	Product stops
	Light	Press the up or down arrow button	Light is switched On (△) or Off (▽)
		Press stop button or keystroke in opposite direction	Switch product (ON→OFF, OFF→ON)

Comfort position

i	If a product is already in the comfort position or if a comfort position has not been stored, the selected product does not respond when the comfort button **©** is pressed.
i	If the unit does not move to the comfort position correctly, the run time in the receiver has to be adjusted.

Comfort position	Learn	△ ▽ Press the up or down arrow button	→	Move to desired position (in this case, e.g. external venetian blind up)
		© 5s Press the C button for 5 s		Transmission LED lights up green for 2 s = Comfort position saved
				Transmission LED lights up red for 2 s = Command not confirmed Repeat process
	Move	**©** Press the C button briefly	→	The unit moves to the comfort position (e.g. up)

Comfort control modes

Comfort control modes	Channel selection	⊕ Press change channel button, select channel.	→	1 ● 2 ● 3 ● 4 ● 5 ● 6 ● Selected channel lights up red (here 2)
	Switch on / off	Ⓐ Press the A button briefly	→	**A** ● The control mode LED lights up green = Control modes On
				A ● The control mode LED lights up red = Control modes Off

Deleting learned-in products from the WMS Hand-held transmitter plus and the network

i Devices that do not need to be deleted must be de-energised.

i If you delete a receiver from the network, it can no longer be operated via other transmitters. It must be learned into a network again.

<table>
<tr>
<td rowspan="6">Deleting receivers</td>
<td>Wake up hand-held transmitter</td>
<td>Briefly press the stop button</td>
<td>→</td>
<td>Transmission LED lights up</td>
</tr>
<tr>
<td>Select channel</td>
<td>Press change channel button, select channel.</td>
<td>→</td>
<td>Selected channel lights up red (here 2)</td>
</tr>
<tr>
<td>Start scan process</td>
<td>Press the L button for approx. 5 s</td>
<td>→</td>
<td>Transmission LED lights up permanently (orange or red) = Scan is complete</td>
</tr>
<tr>
<td>Send delete command</td>
<td>Briefly press the stop and C buttons at the same time</td>
<td>→</td>
<td>Product waves = Delete command carried out</td>
</tr>
<tr>
<td>Resend delete command</td>
<td>Repeatedly press the stop button</td>
<td>→</td>
<td>until all products to be deleted have waved.</td>
</tr>
<tr>
<td>Complete process</td>
<td>Briefly press the L button</td>
<td>→</td>
<td>Process is completed</td>
</tr>
</table>

> **i** When you delete a receiver from the network, it can no longer be operated via other transmitters. It must be relearned into a network.

> **i** It only makes sense to delete products via the WMS Hand-held transmitter plus in smaller networks (two to three awnings or roller shutters). In more complex networks and when routing tables are used, a WMS Hand-held transmitter comfort or a central control unit should be used for deletion.

Maintenance

Replacing the batteries of the WMS Hand-held transmitter plus

Replace the batteries if the transmission LED lights up orange after the WMS Hand-held transmitter plus is activated. If the batteries are fully depleted, the WMS Hand-held transmitter plus can no longer be activated.

- In order to replace the batteries (type AAA, IEC LR03, "Micro"), open the battery compartment (*Fig. 3*) and insert the new batteries. Ensure the correct polarity: The plus (+) and minus (-) poles of the batteries must agree with the marks in the battery compartment.

- Only use new batteries of the same type and always replace both batteries. Use high-grade batteries – inexpensive batteries may leak and damage the device. If the device will not be used for an extended period, please remove the batteries. Do not use rechargeable batteries!

Cleaning

Clean the housing with a soft, dry cloth. Do not use detergents, cleaning agents, solvents, abrasive substances or steam cleaners!

Liability

Failure to comply with the product information in these instructions and use of the unit in a manner other than its intended use may result in a refusal by the manufacturer to honour warranty claims for product damage. In this case, liability for consequential damage to persons or property will also be excluded. Observe the information in the operating instructions for your sun shading system. Liability is also excluded for damage to the sun shading system resulting from operation while iced over.

Obligations for the disposal of electrical devices

A marking with this symbol indicates the following obligations under the scope of legal regulations:

- The owner of this electrical device must dispose of it separately from unsorted municipal waste for further recycling.
- Used batteries and accumulators that are not enclosed in the old device, as well as lamps/bulbs that can be removed from the old device without breaking, must be disposed of separately.
- Distributors of electrical devices and disposal companies are obliged to take back the equipment free of charge.
- The owner must take it upon themselves to delete any personal data contained in the electrical device prior to disposal.

Technical data

WMS Hand-held transmitter plus	min.	typ.	max.	unit
Supply				
Battery type	2 x AAA (IEC LR03, "Micro")			
Operating voltage	2.4	3.0	3.2	V DC
RF transceiver				
Transmission frequency	2.40		2.48	GHz
Transmission power			0	dBm
Reception sensitivity		-101		dBm
Operating range (environment without interference)		30		m
Housing				
WMS Hand-held transmitter plus (L×W×H in mm)	132 × 50 × 20			
Degree of protection	IP30			
Safety class	III			
Miscellaneous				
Conformity	CE Available at www.warema.de/ce			
This device meets the EMC directives for use in residential and commercial areas.				
WAREMA Renkhoff SE declares herewith that this radio system type WMS Hand-held transmitter plus is in compliance with the guideline 2014/53/EU.				
Ambient conditions				
Operating temperature	0		50	°C
Storage temperature	0		70	°C
Humidity (not condensing)	10	40	85	%H$_{rel}$
Degree of soiling				2
Article numbers				
WMS Hand-held transmitter plus (6-channel) black	2031 130			
WAREMA Renkhoff SE Hans-Wilhelm-Renkhoff Strasse 2 97828 Marktheidenfeld Germany				