

WMS Hand-held transmitter basic

Operating and installation instructions



Der SonnenLichtManager

Valid from
1 November 2022
Keep for future use.

General information



Fig. 1 WMS Hand-held transmitter basic

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

The WMS Hand-held transmitter basic 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.

The comfort control functions can be switched on and off via the WMS Hand-held transmitter basic.

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 basic.

The transmitter is compatible with:



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

Intended use

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



CAUTION

Never activate buttons on your WMS Hand-held transmitter basic arbitrarily without visual contact to the sun shading product. Children must not play with this product – remote controls or transmitters must not get into the hands of children!

Carry out the following steps in the sequence given to ensure problem-free operation:

- Please read these instructions carefully.
- Insert the batteries.
- Learn the WMS Hand-held transmitter basic into the receivers.
- Check that the system 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.



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



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

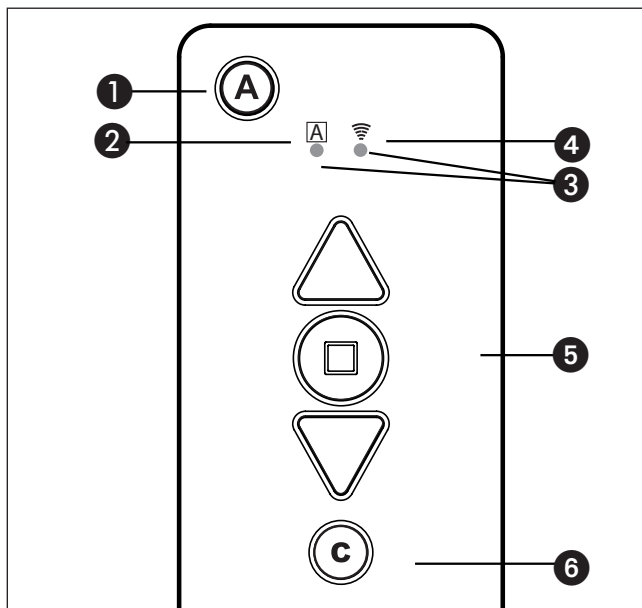


Fig. 2 Operating panel of the WMS Hand-held transmitter basic

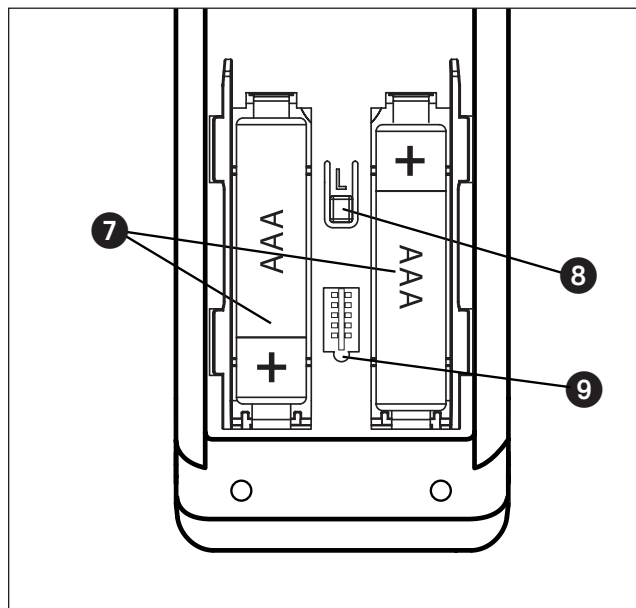




















Fig. 3 Back of the WMS Hand-held transmitter basic

Pos.	Function	Result
Front		
1	Control button (A)	Switching the comfort control functions on or off.
2	Control mode LED (A)	Lights up green = Comfort control modes activated Lights up red = Comfort control modes deactivated Flashes red = Operation disabled
3	Control mode LED (A) and transmission LED (signal icon) flash	Flashes orange = Hand-held transmitter basic has the factory settings Flashes red = Button pressed too long, factory mode To close this mode again, briefly press the Learn button (L)
4	Transmission LED (signal icon)	Flashes green = Hand-held transmitter basic is transmitting Flashes red = The Hand-held transmitter basic has not received a response from the receiver Flashes orange: = Change the batteries
5	Up, Square, Down buttons	Send move or switch commands to the selected receiver
6	Comfort button (C)	Saving and recalling comfort positions
Back		
7	Batteries	The hand-held transmitter basic requires two batteries of type AAA (IEC LR03, "Micro").
8	Learn button	Activates or closes learn mode
9	L LED (L icon)	Lights up green = Learn mode active

Learning in receivers














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.






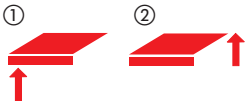

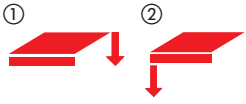









Learning in receivers	Wake up transmitter		Briefly press the stop button		Transmission LED lights up
	Start scan process		Press the L button for approx. 5 s		Transmission LED lights up green for 2 s = Target device (receiver, transmitter or sensor) found, receiver detected, scan continues
					Transmission 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		Briefly press the L button		Process is completed

Operating products



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	External venetian blind				The external venetian blind moves in the selected direction e.g. up
			→		The external venetian blind turns in the selected direction e.g. slats turn open
					Product stops
	Roller shutter		→		The roller shutter moves in the selected direction e.g. up
					Product stops
	Awning		→		The awning moves in the selected direction e.g. up
					Product stops

Operating products	Awning with valance roller blind				The awning moves in the selected direction e.g. up
					The valance roller blind moves in the selected direction e.g. up Awning position does not change
			→		Valance roller blind moves up ①, then the awning moves up ②
					Awning moves down ①, then the valance roller blind moves down ②
					Product stops
	Window				Window moves in the selected direction
			→		Product stops
	Light		→		Light is switched On () or Off ()
					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 **(C)** 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				Move to desired position (in this case, e.g. external venetian blind up)
		Press the up or down arrow button			
	Learn				Transmission LED lights up green for 2 s = Comfort position saved
		Press the comfort button for 5 s			Transmission LED lights up red for 2 s = Command not confirmed Repeat process
Move	Move				The unit moves to the comfort position (e.g. up)
		Press the comfort button briefly			

Comfort control modes

Comfort control modes	Switch on / off				The control mode LED lights up green = Control modes On
					The control mode LED lights up red = Control modes Off
				Press the control mode button briefly	

Deleting learned-in products from the WMS hand-held transmitter basic and the network.



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



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.

Deleting receivers	Wake up hand-held transmitter		→	
		Briefly press the stop button		Transmission LED lights up
	Start scan process		→	
		Press the L button for approx. 5 s		Transmission LED lights up permanently (orange or red) = Scan is complete
	Send delete command		→	
		Briefly press the stop and C buttons simultaneously		Product waves = Delete command carried out
	Resend delete command		→	
		Briefly press the stop button		Until all products to be deleted wave
	Complete process		→	
		Briefly press the L button		Process is completed

Maintenance

Replacing the batteries

Replace the batteries if the transmission LED lights up orange after the WMS Hand-held transmitter basic is activated. If the batteries are fully depleted, the WMS Hand-held transmitter basic 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-quality 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 that contravenes its intended use and purpose may result in the manufacturer refusing to honour warranty claims for product damage. In this case, liability for secondary harm to persons or damage to property will also be excluded. Follow the instructions in the operating instructions of your sun shading system. Liability is also excluded for damage to the sun shading system resulting from operation under icy conditions.


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 basic	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
Range (environment without interference)		30		m
Housing				
Dimensions (L×W×H in mm)	132 × 50 × 20			
Degree of protection	IP30			
Safety class	III			
Miscellaneous				
Conformity	 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 basic is in compliance with the guideline 2014/53/EU.				
Ambient conditions				
Operating temperature	-20	20	50	°C
Storage temperature	-25		70	°C
Rel. humidity (non-condensing)	10	40	85	%RH
Degree of soiling	2			
Article numbers				
WMS Hand-held transmitter basic black	2031128			
WAREMA Renkhoff SE Hans-Wilhelm-Renkhoff Strasse 2 97828 Marktheidenfeld Germany				