# WMS Hand-held transmitter comfort
## Operating and installation instructions

*Der SonnenLicht**Manager***

## General information



Fig. 1     WMS Hand-held transmitter comfort

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

The WMS Hand-held transmitter comfort supports 5 different product types. Ten channels are available per product type and up to 10 receivers can be learned into each channel.

To operate different products simultaneously and to recall specifically defined states, up to 10 different scenarios can be defined. A scenario can be used to operate up to 200 receivers with a single command.

The comfort control functions can be switched on and off via the WMS Hand-held transmitter comfort. The parameters of the control functions that are stored in the receiver can be displayed and changed.

When the WMS Hand-held transmitter comfort operates a product, it indicates whether this product was previously operated by an automatic control mode. 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 comfort.

## Intended use

The WMS Hand-held transmitter comfort was developed to control WMS receivers. Any use other than the purpose described in these instructions requires approval from the manufacturer.

## Safety instructions

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

⚠️ **CAUTION**
Never activate buttons on your transmitter arbitrarily unless you have a line of sight to the sun shading product. Children must not play with this product – remote controls or transmitters must not get into the hands 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 hand-held transmitter into the receivers
- ▪ Check that the system is functioning correctly

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 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.
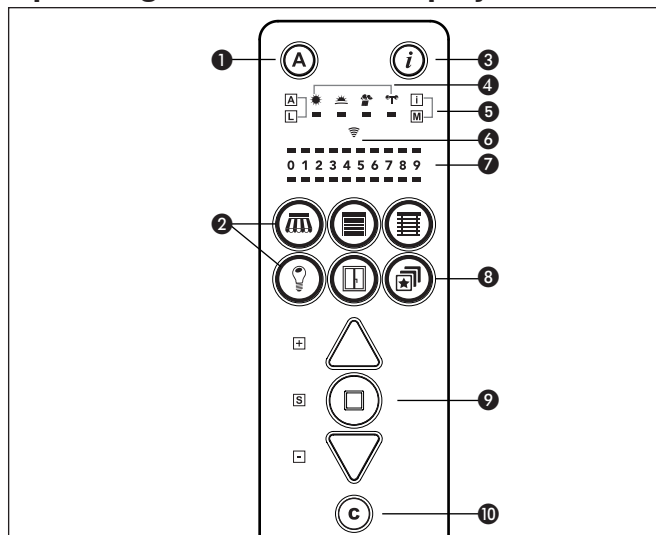
# Operating elements and displays



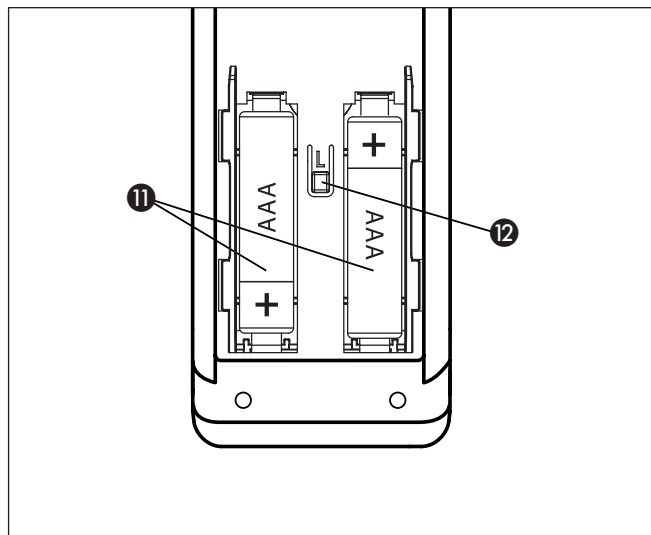Fig. 2    Operating panel of the WMS Hand-held transmitter comfort



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

| Pos. | Function | Result |
|------|----------|--------|
| **Front** | | |
| ❶ | **Control button** (A) | ➡ Switching the comfort control functions on or off. |
| ❷ | **Product buttons** (⚞) (▤) (▤) (♀) (▯) | ➡ Select the product type, or switch between product channels.<br>The currently selected product type flashes. |
| ❸ | **Info button** (i) | ➡ Information displays on the currently selected product channel.<br>Every press on (i) changes to the next mode:<br>1.  Allocation of channel and receivers (display only)<br>2.  ☀ Sun control<br>3.  ☀ Dawn/dusk control<br>4.  🌧 Precipitation monitoring<br>5.  🌡 Wind monitoring<br>6.  Leave the info mode.<br>Move commands cannot be sent while the info mode is active (i lights up). |
| ❹ | **Control display** ☀ ☀ 🌧 🌡 ▬ ▬ ▬ ▬ | ➡ If a control function was the reason for the last movement, the corresponding symbol lights up for 2 s when you operate the product the next time.<br>The LEDs below the symbols show the current state of the control modes. |
| ❺ | **Special function display** A L i M | ➡ A Control mode, L Learn mode active, M Store button, i Info mode |
| ❻ | **Transmission LED** 📶 | ➡ flashes green<br>transmitting = The WMS Hand-held transmitter comfort is |
| | | flashes red = The WMS Hand-held transmitter comfort has not received a response from the receiver |
| | | flashes orange: = Change the batteries |
| ❼ | ▬<br>**0**<br>▬<br>**Number display** | ➡ The number display block indicates a variety of information that depends on the state of the hand-held transmitter.<br>upper row of LEDs:        scanned receivers or parameter values<br>numbers:        channel numbers, parameter levels<br>lower row of LEDs:        active channel |
| ❽ | **Scenario button** (▤) | ➡ Save and call up scenarios |
| ❾ | **Buttons** △ ▣ ▽ | ➡ Send move or switch commands to the selected receiver. |
| ❿ | **Comfort button** (c) | ➡ Save and recall comfort positions |
| **Back** | | |
| ⓫ | **Batteries** | ➡ The hand-held transmitter requires two AAA batteries (IEC LR03, "Micro") |
| ⓬ | **Learn button** L | ➡ Activates or ends learn mode L |

# Learning in receivers

**Example** Channel 1 = Receiver 1, learn into the receiver as an external venetian blind on channel 1
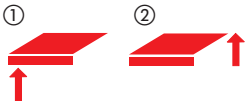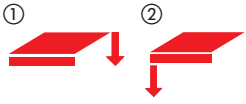
| | | | |
|---|---|---|---|
| **Learn in receivers** | Wake up transmitter | Briefly press the product button | Product button flashes, e.g. external venetian blind. |
| | Start scan process | Press the L button for approx. 5 s | L LED lights up green, transmission LED flashes, red running light under the row of numbers 0-9. 0 1 2 3 4 5 6 7 8 9 |
| | Select receiver | Briefly press the up or down arrow button | 0 1 2 3 4 5 6 7 8 9 e.g. LED 1 flashes. LED red = new receiver LED green = receiver already belongs to the network. |
| | Identify receiver | Briefly press the i button | Product waves, repeat the previous step if necessary until the desired product waves. |
| | Set product type | Briefly press the product button | Product button flashes, e.g. external venetian blind. |
| | Set channel | Press the product button multiple times (e.g. twice) | 0 1 2 3 4 5 6 7 8 9 Channel 2 is selected. |
| | Save allocation | Briefly press the stop button | 0 1 2 3 4 5 6 7 8 9 L LED briefly flashes multiple times as confirmation LED 1 flashes green. |
| | Complete process | 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.

| Operate products | | | |
|---|---|---|---|
| **External venetian blind** | △ ▽ <br> Press and briefly hold the up or down arrow button | |  <br> The external venetian blind moves in the selected direction e.g. up |
| | △ ▽ <br> Briefly press the up or down arrow button | → |  <br> The external venetian blind turns in the selected direction e.g. slats tilt up |
| | △ ▢ ▽ <br> Press stop button <br> or keystroke in opposite direction | | Product stops |
| **Roller shutter** | △ ▽ <br> Press the up or down arrow button | → |  <br> The roller shutter moves in the selected direction, e.g. up |
| | △ ▢ ▽ <br> Press stop button <br> or keystroke in opposite direction | | Product stops |
| **Awning** | △ ▽ <br> Press the up or down arrow button | → |  <br> The awning moves in the selected direction e.g. up |
| | △ ▢ ▽ <br> Press stop button <br> or keystroke in opposite direction | | Product stops |

| | | | |
|---|---|---|---|
| **Operate products** | **Awning with valance roller blind** | △ ▽ <br><br> Briefly press the up or down arrow button **once** | The awning moves in the selected direction e.g. up |
| | | △ ▽ <br><br> Press and briefly hold the up or down arrow button **once** | The valance roller blind moves in the selected direction e.g. up <br> Awning position does not change |
| | | △ <br><br> **Briefly** press the up arrow button **twice** | ① ② <br><br> Valance roller blind moves up ①, then the **awning moves** up② |
| | | ▽ <br><br> Briefly press the down arrow button **twice** | ① ② <br><br> Awning moves down ①, then the **valance roller blind moves** down② |
| | | △ ▣ ▽ <br><br> Press stop button <br> or keystroke in opposite direction | Product stops |
| | **Window** | △ ▽ <br><br> Press the up or down arrow button | Window moves in the selected direction |
| | | △ ▣ ▽ <br><br> Press stop button <br> or keystroke in opposite direction | Product stops |
| | **Light** | △ ▽ <br><br> Press the up or down arrow button | Light is switched On (△) or Off (▽) |
| | | △ ▣ ▽ <br><br> Press stop button <br> or keystroke in opposite direction | Switch product <br> (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 | Select desired product, e.g. external venetian blind 🔘 | |
| | | △ ▽ <br> Press the up or down arrow button | ≡↑ <br> Move to desired position (in this case, e.g. external venetian blind up) |
| | | ⓒ 5s 👆 <br><br> Press the comfort button for 5 s | 📶 (green) <br> Transmission LED lights up green for 2 s = Comfort position saved <br><br> 📶 (red) <br> Transmission LED lights up red for 2 s = Command not confirmed <br> Repeat process |
| | Move | Select desired product, e.g. external venetian blind 🔘 | |
| | | ⓒ <br> Press the comfort button briefly | ≡↑ <br> The unit moves to the comfort position (e.g. up) |

## Comfort control modes

| Comfort control modes | Channel selection | Select desired product, e.g. external venetian blind 🔘 Channel 1 | |
| | Switch on / off | Ⓐ <br><br><br> Press the control mode button briefly | 🅰 + 📶 <br> The A LED lights up red and transmission LED lights up green for 2 s <br><br> ☀ 🌥 ☀ 🌥 <br> ▭ + ▭ or ▭ + ▭ <br><br> Control mode symbols e.g. sun and dawn/dusk light up red, LED underneath shows switch command: <br> Sun red = control mode OFF, Sun green = control mode ON |

We reserve the right to make technical modifications                    warema_890374_alhb_en_v6•2022-11-01

## Deleting learned-in products (receivers) from the WMS 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.

| | | | |
|---|---|---|---|
| **Wake up transmitter** | Briefly press the product button | → | Product button flashes, e.g. external venetian blind. |
| **Start scan procedure** | Press the L button for approx. 5 s | → | **L** + (⌇) + <br> 0 1 2 3 4 5 6 7 8 9 <br> The L LED lights up green and transmission LED flashes, red running light under the row of numbers 0-9. |
| **Select receiver** | Briefly press the up or down arrow button | → | 0 1 2 3 4 5 6 7 8 9 <br> e.g. LED 1 flashes. <br> LED green = receiver already belongs to the network. |
| **Identify receiver** | Briefly press the i button | → | Product waves, repeat the previous step if necessary until the desired product waves. |
| **Delete receiver** | Briefly press stop button and C button simultaneously | → | 0 1 2 3 4 5 6 7 8 9 <br> Running light under row of numbers lights up. |
| | | → | Product waves. |
| **Confirm delete command** | Briefly press the L button | → | 0 1 2 3 4 5 6 7 8 9 <br> LED 1 flashes red, receiver is in factory setting again. |
| **Complete process** | Briefly press the L button | → | Process is completed |

## Maintenance and cleaning

### Replacing the batteries

Replace the batteries if the transmission LED lights up orange after the hand-held transmitter is activated. If the batteries are fully depleted, the hand-held transmitter 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 match up with the markings 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 is not to 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 any use of the device other than its intended use 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. 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 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 comfort | min. | typ. | max. | Unit |
|---|---|---|---|---|
| **Supply** | | | | |
| Battery type | 2 x AAA (IEC LR03, "Micro") | | | |
| Operating voltage | 2.4 | 3.0 | 3.2 | V DC |
| **HF transceiver** | | | | |
| Transmission frequency | 2.40 | | 2.48 | GHz |
| Transmission power | | | 10 | dBm |
| Reception sensitivity | | -95 | | dBm |
| Operating range (environment without interference) | | 30 | | m |
| **Housing** | | | | |
| Dimensions (L×W×H in mm) | 200 × 50 × 20 | | | |
| Degree of protection | IP30 | | | |
| Safety class | III | | | |
| **Miscellaneous** | | | | |
| Conformity | Specified under www.warema.de/ce  CE | | | |
| This device complies with the EMC directives for use in residential and commercial areas. | | | | |
| WAREMA Renkhoff SE declares herewith that the radio system type WMS Hand-held transmitter comfort is in compliance with the 2014/53/EU guideline. | | | | |
| **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 comfort | 1002767 | | | |
| Wall support/table stand for WMS Hand-held transmitter comfort | 1002768 | | | |
| WAREMA Renkhoff SE Hans-Wilhelm-Renkhoff-Str. 2 97828 Marktheidenfeld Germany | | | | |