

User instructions



WAREMA smart programming cable

Der SonnenLichtManager

For qualified technicians only

Information on safety

1 Information on safety



- Read through the product instructions before use.
- Observe all safety and setting instructions.



The basic safety instructions can be viewed under (www.warema.de/Sicherheitshinweise).

Target group

These instructions are intended for use by qualified fitters (commissioning) and electricians (connection work).

Intended use

The information below applies to the following product: smart programming cable

The product is only intended for the setting and commissioning of drives in WAREMA sun shading products.

- Tubular motor 230 V
- Block motor 230 V



INFO

An exact list of drives can be found under Help in the app.

2 Structure and accessories

Programming cable smart Art. no. 2058763		<ol style="list-style-type: none"> 1 Function buttons 2 Push buttons
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Adapter Art. no. 2017760		Adapter STAS 4 to STAK 3
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Adapter Art. no. 2017761		Adapter STAS 3 to open end
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Adapter Art. no. 2017764		Adapter STAS 4 to open end (not included; must be ordered separately)
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Designation	Art. no.
Adapter connector for the British standard connector system (IP 20)	627189
Adapter connector for the Swiss socket system (IP 20)	627188

Tab. 1: Optional accessory

3 Explanation of function buttons

Motor function button	<p>i INFO This mode is for standard 230 V motors with mechanical or electronic limit switch-off (e.g. GJ56.., ZM REA). Not permissible for motors with an integrated SMI module, 2 MW motors or WMS Comfort control.</p>		
		<p>1 UP button 2 DOWN button 3 PROG button 4 Not assigned</p>	<p>UP command DOWN command Simultaneous UP/DOWN command (not for mechanical limit switch-off)</p>
Motor with radio function button	<p>i INFO This mode is only for EWFS/WMS radio motors.</p>		
		<p>1 UP button 2 DOWN button 3 PROG button 4 SET button</p>	<p>UP command DOWN command Delete the limit positions Saving the limit positions</p>
Smart function button	<p>i INFO This mode is for operation via the smartphone app (see "Smartphone app function").</p>		
		<p>1 Not assigned 2 Not assigned 3 Not assigned 4 Not assigned</p>	



NOTICE

Product damage from incorrect operation!

The mode must fit to the drive. If not, the smart programming cable may be damaged.

For mechanical drives, the PROG button is not permitted to be activated as otherwise the drive, sun shading product and/or the smart programming cable may be damaged.

Downloading the app

4 Downloading the app

iOS (operating system)

Download the required "WAREMA smart programming cable" in the App Store (iOS).

Android (operating system)

Download the required "WAREMA smart programming cable" in the Google Play.

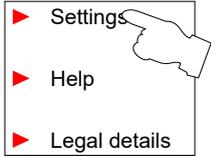
5 Updating the database

Why? How often?

The instructions and the "control mode" setting logics are made available in the database.

The data must be downloaded for initial installation and updated at regular intervals.

Procedure

Updating the database	Opening the settings		→	<ul style="list-style-type: none"> ▶ Settings ▶ Help ▶ Legal details <p>↳ The pull-down menu opens.</p>
	Opening the update		→	<div style="border: 1px solid black; padding: 10px; text-align: center; width: fit-content; margin: auto;">START UPDATE</div> <p>↳ The area opens.</p>
	Starting the download		→	<div style="border: 1px solid gray; padding: 10px; text-align: center; width: fit-content; margin: auto;">  </div> <p>↳ The data are transferred.</p>
	Ending the download	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>NOTE</p> <p>Update successfully downloaded</p> <hr/> <p>OK</p> </div>	→	<div style="text-align: center; margin-bottom: 5px;">  </div> <p>↳ The download is completed.</p>



INFO

Recommendation: download via WLAN with Internet connection

6 Technical data

Parameter		Values
Supply		
	Rated voltage	230 V/50 Hz
	Power consumption	2 W
Output		
	Switching capacity at 230 V AC/cosφ = 0.6	500 VA
WLAN transceiver		
	Transmission frequency	2.40 to 2.48 GHz
	Operating range (environment without interference)	10 m
Housing		
	Degree of protection	IP 65
	Safety class	I
Ambient conditions		
	Operating temperature	-10 to +50 °C
Product conformity		
	Specified under www.warema.com	

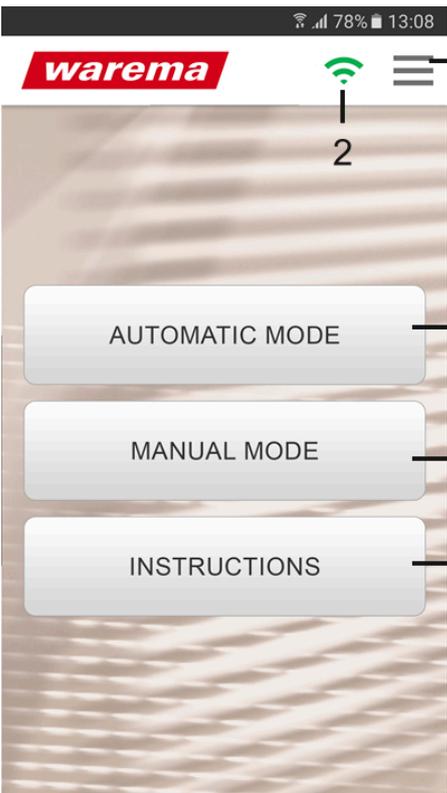
7 Establishing the connection

The smartphone must be manually connected to the WLAN of the smart programming cable.

WLAN name: WAREMA [xxxx]

Password: warema5858

8 Smartphone app function

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Main menu</p>		<ol style="list-style-type: none"> 1 Menu <ul style="list-style-type: none"> • Settings • Help PDF • Legal details 2 Status display <ul style="list-style-type: none">  = Programming cable is connected  = Fault: connect the second smartphone to the programming cable  = Fault: not connected to the programming cable  = Fault: wrong function button activated on the device 3 Control mode <ul style="list-style-type: none"> • Menu-guided setting mode 4 Manual mode <ul style="list-style-type: none"> • Manual remote control 5 Instructions <ul style="list-style-type: none"> • Standard instructions as a PDF
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Menu - Settings</p>		<ol style="list-style-type: none"> 1 Setting the language <ul style="list-style-type: none"> • German • English 2 Update <ul style="list-style-type: none"> • The app data and instructions can be updated here. 3 Vibration when the button is pressed <ul style="list-style-type: none"> • A haptic feedback can be set here, but this increases battery consumption.

Menu - Legal details		<p>1 WAREMA Smart version xx</p> <ul style="list-style-type: none"> Here you can check which version of the app is installed. <p>2 Last update</p> <ul style="list-style-type: none"> Here you can check when the app data and instructions were last updated.
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8.1 Control mode

List of saved motors

WAREMA	Becker	Somfy
▶ WMS-LP	▶ MM (D58)	▶ ILMO WT
▶ WMS-MM	▶ MM (Pico)	▶ J4 HTM
▶ WMS-MP	▶ P5 (Pico)	▶ J4 WT PROTECT
▶ WMS-RP	▶ P9 (Pico)	▶ LT
▶ WMS-RT	▶ R M04	▶ LT 50 PA
▶ WMS-PM	▶ R-Motor Version 2	▶ LT 50 NHK
▶ WMS-WM	▶ R-Motor ZIP	▶ LS 40
▶ WMS-ZM	▶ RM	▶ Orea WT
▶ WMS-ZP	▶ RM (Pico)	▶ Oximo WT
▶ W-RP	▶ RP	▶ SLT
▶ W-RT	▶ R SMI S12	▶ Sonnesse 50
▶ W-MM	▶ R SMI S18	▶ Sonnesse 40
▶ W-MP	▶ RT+	
▶ W-WM	▶ SMI Roller Blind L	
▶ W-ZM	▶ SMI Roller Blind M	
	▶ WM	
	▶ WM IMP	
	▶ WM REA	
	▶ WT	
	▶ ZM	
	▶ ZM (Pico)	
	▶ ZM REA	

Smartphone app function

Dunker	Elero	Miscellaneous
<ul style="list-style-type: none"> ▶ D239 ▶ D249 ▶ D348 ▶ D539 ▶ D370 SMI ▶ D339 CCF ▶ D339 CCF-G ▶ D339 NHG 	<ul style="list-style-type: none"> ▶ Elero JA xx ▶ Elero JA SMI ▶ GJ5606 	<ul style="list-style-type: none"> ▶ Cherubini P&P Ocean ▶ Formaroll MEC 1000 ▶ Geiger GJ5606

Explanation of functions

<p>Control mode - Motor selection</p>		<p>1 Motor selection via manufacturer/motor</p> <ul style="list-style-type: none"> Here the motors are specified in full text, i.e. "<i>Manufacturer - Type</i>". <p>2 Motor selection via article number</p> <ul style="list-style-type: none"> The WAREMA article numbers of the motor are displayed here. <p>3 Search field</p> <ul style="list-style-type: none"> Here you can search or filter for the name or article number. <p>4 Motors</p> <ul style="list-style-type: none"> Here you can select a motor directly by touching the field briefly.
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Control mode -
Example of screen

1 Function buttons

- Push buttons and function buttons appropriate for the step are displayed here.

2 Action description

- Descriptions appropriate for the step are displayed here.

3 Info field

- Information appropriate for the step, such as how to set a limit position, is displayed here.

4 Back button

- Information appropriate for the step, such as how to set a limit position, is displayed here.

5 Next button

- The Next button opens the next screen. This screen is only displayed or enabled if you are permitted to continue.

INFO
The structure of this page differs from motor to motor.

8.2 Manual mode

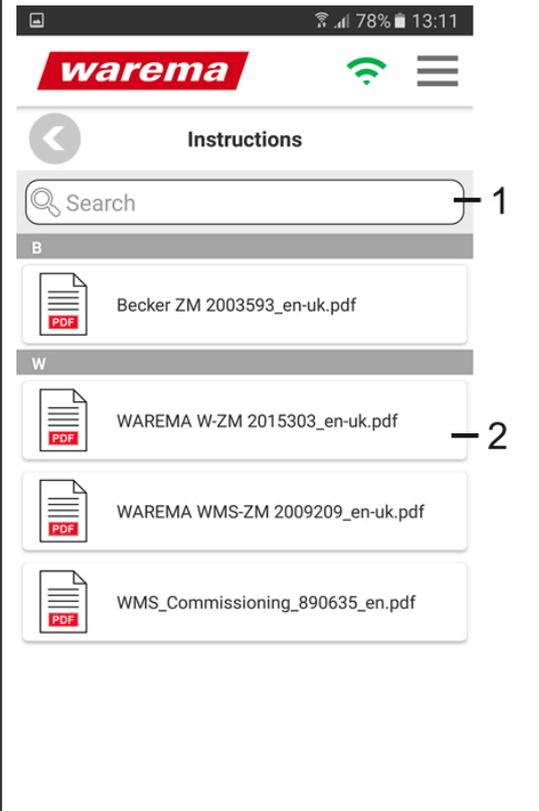
Standard mode	Radio mode	SMI mode
This mode is for standard 230 V drives with a mechanical or electronic limit switch-off, e.g. type R, GJ56..., LT50, etc.	This mode is for drives with an integrated EWFS/WMS radio module from WAREMA, e.g. W-RT, WMS-RT, etc.	This mode is for 230 V drives with an integrated SMI module, e.g. D370 SMI, R./17C PS SMI, etc.
WMS Comfort control mode	2 lower limit switches mode	
This mode is for the WMS Comfort control in awnings to set the limit position of the motor and configure the control.	This mode is for 230 V drives with 2 lower limit switches, e.g. Dx58, etc.	

Smartphone app function

Functional description

<p>Manual mode - Info field</p>		<p>1 Description</p> <ul style="list-style-type: none"> The current manual mode is specified here. <p>2 Explanation</p> <ul style="list-style-type: none"> Descriptions appropriate for the respective manual mode are displayed, e.g. for which motors the mode is intended and the functions of the individual buttons. <p>3 Cancel button</p> <ul style="list-style-type: none"> The Cancel button takes you back to the main menu. <p>4 OK button</p> <ul style="list-style-type: none"> Confirming the OK button takes you to the push buttons. <p>5 Selection mode</p> <ul style="list-style-type: none"> = Standard mode = Radio mode = SMI mode = WMS Comfort control mode = 2 lower limit switches mode
<p>Manual mode - Operating level</p>		<p>1 Info field</p> <ul style="list-style-type: none"> Here the info field can be called up again with the explanations. <p>2 Function buttons</p> <ul style="list-style-type: none"> The function buttons that are appropriate for the respective manual mode are displayed here.

8.3 Searching for the instructions

Instructions - Selection		<p>1 Search field</p> <ul style="list-style-type: none">• Here you can search or filter for the name "Manufacturer_Type_Document_Number". <p>2 Instructions</p> <ul style="list-style-type: none">• Here you can select a motor directly by touching the field briefly.
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Wiring diagram

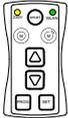
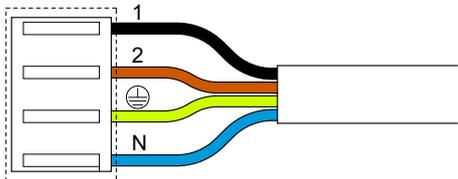
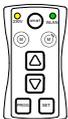
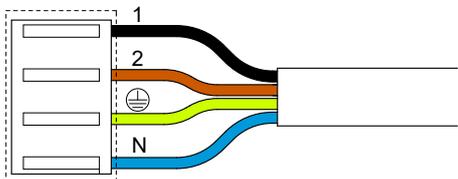
9 Wiring diagram



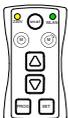
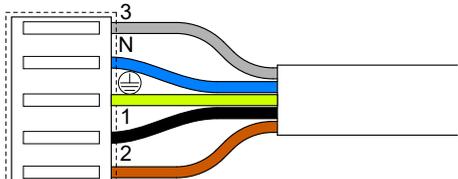
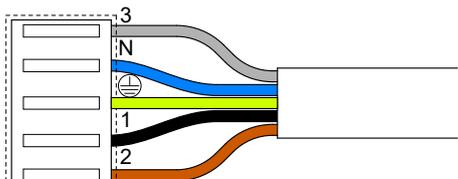
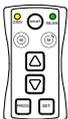
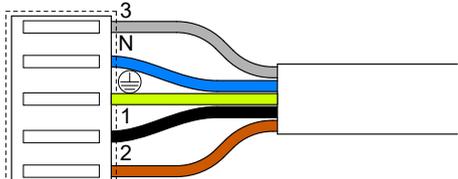
NOTICE

Product damage from incorrect connection. Do not connect multiple motors in parallel.

4-pin adapter

Programming cable	Adapter assignment for standard 230 V motors									
		<table border="1"> <tr><td>1</td><td>UP command (black)</td></tr> <tr><td>2</td><td>DOWN command (brown)</td></tr> <tr><td>⊕</td><td>PE conductor (green-yellow)</td></tr> <tr><td>N</td><td>Neutral conductor (blue)</td></tr> </table>	1	UP command (black)	2	DOWN command (brown)	⊕	PE conductor (green-yellow)	N	Neutral conductor (blue)
1	UP command (black)									
2	DOWN command (brown)									
⊕	PE conductor (green-yellow)									
N	Neutral conductor (blue)									
Programming cable	Adapter assignment of EWFS/WMS radio motor									
		<table border="1"> <tr><td>1</td><td>Continuous voltage (black)</td></tr> <tr><td>2</td><td>Programming command (brown)</td></tr> <tr><td>⊕</td><td>PE conductor (green-yellow)</td></tr> <tr><td>N</td><td>Neutral conductor (blue)</td></tr> </table>	1	Continuous voltage (black)	2	Programming command (brown)	⊕	PE conductor (green-yellow)	N	Neutral conductor (blue)
1	Continuous voltage (black)									
2	Programming command (brown)									
⊕	PE conductor (green-yellow)									
N	Neutral conductor (blue)									

5-pin adapter

Programming cable	Adapter assignment for 230 V motors with integrated SMI module											
		<table border="1"> <tr><td>3</td><td>UP command (grey)</td></tr> <tr><td>N</td><td>Neutral conductor (blue)</td></tr> <tr><td>⊕</td><td>PE conductor (green-yellow)</td></tr> <tr><td>1</td><td>DOWN command (black)</td></tr> <tr><td>2</td><td>Continuous voltage (brown)</td></tr> </table>	3	UP command (grey)	N	Neutral conductor (blue)	⊕	PE conductor (green-yellow)	1	DOWN command (black)	2	Continuous voltage (brown)
3	UP command (grey)											
N	Neutral conductor (blue)											
⊕	PE conductor (green-yellow)											
1	DOWN command (black)											
2	Continuous voltage (brown)											
Programming cable	Adapter assignment for WMS Comfort control											
		<table border="1"> <tr><td>3</td><td>Continuous voltage (grey)</td></tr> <tr><td>N</td><td>Neutral conductor (blue)</td></tr> <tr><td>⊕</td><td>PE conductor (green-yellow)</td></tr> <tr><td>1</td><td>UP command (black)</td></tr> <tr><td>2</td><td>DOWN command (brown)</td></tr> </table>	3	Continuous voltage (grey)	N	Neutral conductor (blue)	⊕	PE conductor (green-yellow)	1	UP command (black)	2	DOWN command (brown)
3	Continuous voltage (grey)											
N	Neutral conductor (blue)											
⊕	PE conductor (green-yellow)											
1	UP command (black)											
2	DOWN command (brown)											
Programming cable	Adapter assignment for 230 V motors with 2 lower limit switches											
		<table border="1"> <tr><td>3</td><td>DOWN 2-command (grey)</td></tr> <tr><td>N</td><td>Neutral conductor (blue)</td></tr> <tr><td>⊕</td><td>PE conductor (green-yellow)</td></tr> <tr><td>1</td><td>DOWN 1-command (black)</td></tr> <tr><td>2</td><td>UP command (brown)</td></tr> </table>	3	DOWN 2-command (grey)	N	Neutral conductor (blue)	⊕	PE conductor (green-yellow)	1	DOWN 1-command (black)	2	UP command (brown)
3	DOWN 2-command (grey)											
N	Neutral conductor (blue)											
⊕	PE conductor (green-yellow)											
1	DOWN 1-command (black)											
2	UP command (brown)											

10 Possible faults

Fault: 230 V LED does not light up			
	Cause	Note	Remedy
	No voltage is applied.		Check or change the power supply/power socket.
	The device fuse was triggered.	To change the fuse, release the screws on the battery compartment on the back and open the compartment.	Change the fuse (3.15 AT H).

Fault: the motor begins moving without being activated, is buzzing or is making unusual noises.			
	Cause	Note	Remedy
	A relay is stuck.	This can be caused by incorrect operation or selection of the wrong motor.	Ship the device to WAREMA.

Fault: smart function - WLAN LED flashes slowly			
	Cause	Note	Remedy
	No smartphone is connected to the programming cable.		Connect to WLAN (see Chapter 7/ Page 5).

Fault: smart function - WLAN LED flashes rapidly			
	Cause	Note	Remedy
	Two smartphones are connected to the programming cable.	Only one smartphone at a time can control the programming cable.	Disconnect the WLAN connection of the second smartphone.

Fault: smart function - very short move commands are not executed correctly.			
	Cause	Note	Remedy
	Time offset between keystroke and execution of the command.	This problem can occur for commands shorter than 1 s and only in the app in manual mode.	Start the setting procedure again and hold the button for an extended period.

Fault: motor function (standard) - mode cannot be activated			
	Cause	Note	Remedy
	A second button is pressed at the same time.	To be able to change the mode, no other button is permitted to be pressed. If this fault occurs, only smart mode will work.	Check if a second button is being pressed.
	One button on the membrane keyboard is faulty.	To be able to change the mode, no other button is permitted to be pressed. If this fault occurs, only smart mode will work.	Ship the device to WAREMA.

Fault: radio motor function - mode cannot be activated		
Cause	Note	Remedy
A second button is pressed at the same time.	To be able to change the mode, no other button is permitted to be pressed. If this fault occurs, only smart mode will work.	Check if a second button is being pressed.
One button on the membrane keyboard is faulty.	To be able to change the mode, no other button is permitted to be pressed. If this fault occurs, only smart mode will work.	Ship the device to WAREMA.

Fault: radio motor function - motor moves up automatically as soon as the mode is active.		
Cause	Note	Remedy
No radio motor is connected.	In the radio mode, a continuous voltage is applied to UP, which is why a standard motor moves UP directly.	Select the standard mode.

Fault: radio motor function - motor cannot be operated/set.		
Cause	Note	Remedy
The radio motor can no longer be set via the cable.	The motor is only in the setting mode for a certain period after a power up.	Disconnect the programming cable from power for 10 s to de-energise the motor and then repeat the setting procedure.