

Intuitech Connector WAREMA for FIBARO: User Manual

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1. What the Intuitech Connector WAREMA does

The Intuitech Connector WAREMA connects a WAREMA WMS WebControl pro to a FIBARO controller. Every device set up in the WebControl pro then appears as a separate device in the FIBARO controller and can be used there just like a FIBARO device:

- in block scenes and Lua scenes
- in schedules and presence profiles
- in the Yubii app and in the web interface of the controller
- together with sensors and devices of other brands, for example: a wind sensor retracts the awning, the alarm system opens all shutters, the position of the sun controls the shading, a heater switches on with the terrace light

The connection runs locally via the interface of the WebControl pro. No internet connection and no WAREMA account are needed in operation. If the internet connection fails, the system keeps working.

2. Requirements

Controller	FIBARO Home Center 3, Home Center 3 Lite or Yubii Home
WAREMA	WMS WebControl pro with container firmware 11H or later
Not suitable	WMS WebControl (without "pro"), WMS stick and WMS central transmitter without WebControl pro
Network	WebControl pro and FIBARO controller in the same network. With separate networks (VLAN), TCP 80 must be reachable from the controller to the WebControl pro
Devices	set up, named and working in the WAREMA WMS app

From firmware 11H the local interface of the WebControl pro is always active. Nothing has to be unlocked, no token or password is needed. You update the firmware in the WAREMA WMS app.

3. Setup in three steps

Step 1: Install the Intuitech Connector WAREMA

1. Open the web interface of the FIBARO controller
2. Settings → Devices → + → Other device → Upload file

3. Select the supplied file (`.fqax`)

Step 2: Enter the license key

1. Open the new device "Intuitech Connector WAREMA", tab Variables
2. `licenseKey`: enter the license key you received with your order
3. Save

Without a license key the connector runs with full functionality for 14 days. You can test first and enter the key later.

Step 3: Take over the devices

The Intuitech Connector WAREMA finds the WebControl pro in the network by itself and enters its IP address and MAC address. It then reads the configuration and creates a separate device for every WAREMA device. This takes a few seconds. The devices carry the names from the WAREMA app and can be assigned to rooms and used in scenes as usual.

If the connector finds several WebControl pro in the network, it lists them in the status display. Enter the address you want in `wmsIP`.

Recommendation for commissioning: set `readOnly` to `1` before saving. The connector then reads all devices and states but sends no commands. This lets you check calmly that all devices are recognized correctly and that the displayed positions match the WAREMA app. Then set `readOnly` to `0`.

4. Operation

On the individual device

Awnings, roller shutters, screens and windows: open, close, stop and position slider as with a FIBARO roller shutter module. 100 % is open or retracted, 0 % is closed or extended. An extended awning is therefore at 0 %.

Venetian blinds and external blinds: an additional second slider for the slats, as with a FIBARO Roller Shutter 3.

Awning with valance: the valance is a separate device with "Volant" added to its name and can be moved independently of the awning.

Lights and loads: switchable devices (for example socket, heater) appear as switches, dimmable lights as dimmers. Dimming switches the light on at the same time, 0 % switches it off.

The line below the device shows why WAREMA last moved, for example "Cause: wind" or "Cause: sun". You see at once when the WAREMA automation has acted.

On the Intuitech Connector WAREMA itself

The interface is available in German and English. By default it follows the language of the controller (Settings → General); it can be set with the variable `language`.

Control	Function
Status display	connection, number of devices, polling interval, license status
Find WebControl	searches the WebControl pro in the network and takes it over
Refresh	reads configuration and states again, creates new devices
Show scenes	lists the scenes of the WebControl pro with their number
License info	shows the serial number of the controller and the license status

In scenes (Lua)

```
-- ID = device ID of the WAREMA device
fibaro.call(ID, "open")
fibaro.call(ID, "close")
fibaro.call(ID, "stop")
fibaro.call(ID, "setValue", 40) -- 0 = closed/extended, 100 = open/retracted
fibaro.call(ID, "setValue2", 50) -- slats, for venetian and external blinds
fibaro.call(ID, "turnOn") -- light, socket, heater
fibaro.call(ID, "setValue", 30) -- dimmer: brightness in percent
```

Run scenes of the WebControl pro; the number is shown by the button "Show scenes":

```
-- ID = device ID of the Intuitech Connector WAREMA
fibaro.call(ID, "runScene", 3)
```

In block scenes the devices are available without any extra effort.

5. What the Intuitech Connector WAREMA can and cannot do

Supported device types

WAREMA device	In FIBARO as	Note
Awning, cassette awning, drop arm awning	roller shutter	extended = closed (0 %)
Valance of an awning	roller shutter	separate device "... Volant"
Roller shutter, screen, vertical awning	roller shutter	
Venetian blind, external blind	venetian blind (like Roller Shutter 3)	second slider for the slats
Louvred roof	roller shutter	slat angle as value; if the roof only reports the angle, it is displayed
Window	roller shutter	
Switchable light	switch	
Dimmable light	dimmer	on, off, brightness

WAREMA device	In FIBARO as	Note
Load switch (socket, heater)	switch	
Load dimmer	dimmer	
Scenes of the WebControl pro	call <code>runScene</code>	run only

The assignment is automatic, based on the information of the WebControl pro. Devices without a matching type yet are skipped and named in the log. Please report them to us and we will add them.

Limits

1. The interface is not officially documented. WAREMA does not publish a description of the local interface. The connector uses the same interface as the well known Home Assistant integration for the WebControl pro. If WAREMA changes it with a firmware update, we adapt the connector, see license terms.
1. No real time reporting. The WebControl pro does not report changes by itself. The connector polls the devices in turn, every 10 seconds by default. After a command from the controller it polls the device concerned at once and then every second. If a device is moved with the WAREMA hand transmitter or in the WAREMA app, the new position appears after the next polling round.
1. No pairing and no configuration. Devices, end positions, weather automation and scenes are still set up in the WAREMA WMS app. The connector controls and reads, it does not replace the WAREMA app.
1. Weather station. The WebControl pro does not provide the values of a WMS weather station (wind, sun, rain) via the local interface. Whether WAREMA moved because of wind or sun is still shown as the cause on the device. For weather values in the controller, use a separate sensor.
1. Slats. For some external blinds the WebControl pro reports slat angle limits that do not exactly match the real end positions. For louvred roofs without an adjustable angle the connector only displays the angle.
1. Scenes of the WebControl pro can be run, but not read or changed.
1. One WebControl pro per installation. For several WebControl pro install the connector several times. Two FIBARO controllers may also control the same WebControl pro, each with its own installation and license.
1. Group commands of the controller also affect WAREMA. In the controller the WAREMA devices are real roller shutters. Scenes that move "all shutters" therefore include them, especially the preinstalled morning and evening scenario of the FIBARO controller. Check these scenes before handover and limit them to individual devices if necessary.
1. No safety equipment. This product is not intended for hazard detection or personal protection. Wind protection of the awnings remains the task of the WAREMA weather automation.

6. Troubleshooting

Display / behavior	Cause and remedy
"No WebControl pro found"	WebControl pro in a different network than the controller, without power, or firmware older than 11H. Check the firmware in the WAREMA app, enter the IP address in <code>wmsIP</code> if necessary
"Several WebControl pro found"	enter the address you want in <code>wmsIP</code>
"No connection to the WebControl pro"	check network and power. The connector retries by itself, with a growing pause of up to five minutes. If the WebControl pro has a new address, it finds it again via the MAC address
Device marked "not reachable"	the radio receiver of the device does not answer the WebControl pro. Check power at the motor and radio range; the device usually does not react in the WAREMA app either
Device does not react	check in the WAREMA app first. What does not work there cannot be controlled by the controller either. If <code>readOnly</code> is <code>1</code> , the connector sends no commands
Position briefly wrong after hand transmitter	expected, the display follows with the next polling round, see section 5 item 2
Shading moves unexpectedly	look at the cause on the device: wind, sun, timer or scene come from WAREMA. If no cause is shown, the command usually came from the controller, often the evening scenario, see section 5 item 8
New WAREMA device missing	press Refresh
"No license, control locked"	check the license key. The key is valid for one controller (see license terms)

Note on updates: an encrypted Quick App cannot be overwritten. For a new version it is installed again, the license key is entered and the old installation is deleted. The WAREMA devices get new device IDs; scenes that use individual WAREMA devices must be adapted afterwards.

For troubleshooting set `debugLevel` to `2`; the Quick App then logs every access. For normal operation set `1` or `0`.

7. Settings overview

Variable	Meaning	Default
<code>wmsIP</code>	address of the WebControl pro	filled automatically
<code>wmsMAC</code>	MAC address of the WebControl pro; if set, the connector finds the device again after an address change	filled automatically
<code>licenseKey</code>	license key	empty
<code>pollInterval</code>	seconds between two polling rounds (2 to 300)	10
<code>readOnly</code>	1 = read only, send no commands (commissioning)	0

Variable	Meaning	Default
<code>debugLevel</code>	0 = quiet, 1 = normal, 2 = detailed	1
<code>language</code>	<code>auto</code> = language of the controller, otherwise <code>de</code> or <code>en</code> ; takes effect after restarting the Quick App	auto

8. License and trial

The Intuitech Connector WAREMA runs for 14 days without a license key with full functionality. After that, display and states remain, control commands are blocked until a valid key is entered.

The key is bound to the serial number of the controller. You find it with the button License info or in the settings of your controller (format `HC3-00000000`).

A license cannot be moved to another controller. If the controller fails due to a technical defect and you prove with a confirmation from FIBARO or Nice that it was replaced and properly disposed of, we issue a key for the new controller.

9. Support

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Please have ready: serial number of the controller, firmware version of the WebControl pro and the controller, and an excerpt of the Quick App log with `debugLevel = 2`.