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› [Somfy Universal RTS Interface II \(1810872\) User Manual](#)

somfy URTS II

Somfy Universal RTS Interface II (URTS II) User Manual

Model: URTS II | 16-Channel Interface

[Introduction](#) [Product Overview](#) [Setup & Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#)
[Warranty & Support](#)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Somfy Universal RTS Interface II (URTS II). Please read these instructions carefully before installation and operation. Keep this manual for future reference.

The Somfy Universal RTS Interface II is designed to integrate Somfy RTS (Radio Technology Somfy) motorized products with third-party control systems, offering 16 channels of control. It allows for seamless automation and enhanced control over your motorized window coverings, awnings, and other RTS-enabled devices.

2. PRODUCT OVERVIEW

The Somfy Universal RTS Interface II (URTS II) acts as a bridge between your Somfy RTS motors and various home automation systems. It receives commands from a third-party controller (e.g., RS232, RS485, or contact closure) and translates them into RTS radio signals to operate your Somfy motorized products.



Figure 2.1: Somfy Universal RTS Interface II (URTS II) device. This image shows the compact white rectangular unit with the Somfy logo.

Key Features:

- 16 independent RTS channels for controlling multiple devices or groups.
- Multiple input options for integration with various control systems.
- Compact design for easy installation.
- Enables advanced automation scenarios when paired with a compatible home automation hub.

3. SETUP & INSTALLATION

Proper installation is crucial for optimal performance. It is recommended that installation be performed by a qualified professional.

3.1. Package Contents

- Somfy Universal RTS Interface II (URTS II) unit
- Power Adapter (if included with your model)
- Mounting hardware
- This instruction manual



Figure 3.1: Example of a Somfy power adapter. Ensure you use the correct power supply for your device.

3.2. Mounting the Interface

1. Choose a suitable location for the interface, ideally centrally located within the range of your RTS devices and near your control system.
2. Ensure the location is dry, protected from extreme temperatures, and away from potential sources of radio interference.
3. Use the provided mounting hardware to securely attach the interface to a wall or other stable surface.

3.3. Wiring and Connections

- **Power Connection:** Connect the power adapter to the interface and plug it into a standard electrical outlet.
- **Control System Connection:** Connect your third-party control system to the appropriate input ports on the URTS II (e.g., RS232, RS485, or contact closure terminals). Refer to your control system's manual for specific wiring diagrams.
- **Antenna:** Ensure the RTS antenna is properly positioned for optimal signal transmission. Avoid coiling the antenna or placing it near large metal objects.

3.4. Programming RTS Motors

The URTS II must be programmed to control your RTS motors. This typically involves putting the motor into programming mode and then sending a programming command from the URTS II or a connected control system. Consult the specific programming instructions for your Somfy RTS motor and your third-party control system.

For programming with the TaHoma switch, refer to the following video tutorial:

Your browser does not support the video tag.

Video 3.1: How to Program the TaHoma Switch with Somfy RTS Motors. This video demonstrates the step-by-step process of connecting and programming Somfy RTS motors using the TaHoma switch application. It covers initial setup, device detection, and naming devices within the app.

4. OPERATION

Once the Somfy Universal RTS Interface II is properly installed and programmed, operation is typically managed through your connected third-party control system. The URTS II translates commands from your control system into RTS signals to operate your motorized products.

- **Sending Commands:** Use your home automation system's interface (e.g., touchscreen, app, voice command) to send commands (Open, Close, My/Stop) to the specific RTS channels linked to your motors.
- **Channel Control:** Each of the 16 channels on the URTS II can control an individual RTS motor or a group of RTS motors that have been programmed to that channel.
- **"My" Position:** The "My" button on RTS controls allows you to set a favorite intermediate position. This position can also be triggered via the URTS II if supported by your control system.

5. MAINTENANCE

The Somfy Universal RTS Interface II is designed for minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Clean the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Environment:** Ensure the unit remains in a dry environment, free from excessive dust, moisture, and extreme temperatures.
- **Firmware Updates:** Periodically check the Somfy website or your control system's documentation for any available firmware updates for the URTS II. Follow the instructions provided for updating.

6. TROUBLESHOOTING

If you experience issues with your Somfy Universal RTS Interface II, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
Motor not responding to commands.	<ul style="list-style-type: none">◦ Incorrect wiring or power.◦ Motor not programmed to the correct channel.◦ Out of RTS range.◦ Interference.	<ul style="list-style-type: none">◦ Check all power and control system connections.◦ Verify motor programming. Reprogram if necessary.◦ Relocate the URTS II closer to the motor or adjust antenna.◦ Identify and eliminate sources of radio interference.
Interface LED not illuminating.	<ul style="list-style-type: none">◦ No power.◦ Faulty power adapter.	<ul style="list-style-type: none">◦ Ensure power adapter is securely plugged into both the interface and a live outlet.◦ Test the outlet with another device. Replace power adapter if necessary.
Intermittent control.	<ul style="list-style-type: none">◦ Weak RTS signal.◦ External interference.	<ul style="list-style-type: none">◦ Optimize antenna position.◦ Ensure URTS II is not obstructed by metal or thick walls.◦ Check for other wireless devices operating on similar frequencies.

If problems persist after attempting these steps, contact Somfy technical support or your installer.

7. SPECIFICATIONS

- **Model:** URTS II (Universal RTS Interface II)
- **Part Number:** 1810872
- **Control Channels:** 16 RTS Channels
- **Dimensions:** 3 x 1.75 x 4 inches (approximate)
- **Item Weight:** 0.01 ounces (approximate)
- **Radio Frequency:** RTS (Radio Technology Somfy)
- **Input Voltage:** (Specific voltage not provided, typically low voltage DC via adapter)
- **Connectivity:** RS232, RS485, Contact Closure (check specific model for all available inputs)
- **Operating Temperature:** (Not provided, typically indoor residential range)

Note: Specifications are subject to change without notice. Refer to the product packaging or Somfy's official website for the most current information.

8. WARRANTY & SUPPORT

Somfy products are designed and manufactured to the highest quality standards. For detailed warranty information, please refer to the warranty card included with your product or visit the official Somfy website.

Customer Support:

If you require technical assistance, have questions about installation, or need to report a product issue, please contact Somfy customer support. Contact information can typically be found on the Somfy website or on your product packaging.

Online Resources:

- Visit the [Somfy Store on Amazon](#) for product information.
- Refer to the official Somfy website for comprehensive documentation, FAQs, and support articles.

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Information in this manual is subject to change without notice.