

Autelis Shade Control for Somfy RTS

About this product

Shade Control for Somfy RTS is designed to link your Somfy RTS shades to your network and provide a remote control interface over the web and through various dedicated apps and/or home automation systems.

Disclaimer: All trademarks referenced herein are the property of their respective owners. This product is not affiliated with or endorsed by Somfy or its affiliates in any way.

Firmware Updates

Please check the product wiki for firmware updates at <http://www.autelis.com/wiki>.

Firmware updates should only be applied over a local network connection.

Note: Firmware updates require the Java runtime available here: <http://www.java.com/en/download>

Installation

Installation Notes

The Autelis Shade Control interfaces to the Somfy RTS Universal II Interface (sold separately, part #1810872) and is compatible with any motors that can be linked to it.

Connection to Universal II Interface

The Autelis Shade Control interfaces directly to the Somfy RTS Universal II Interface using the included cable. Plug the orange 4 pin connector into the connector on the Shade Control Device and plug the RJ-45 connector into the RS485 Input/Output port on the Universal II Interface. Please do not use other cables to connect the devices and contact customer service for replacements. You may use a cat-5 extension cable to lengthen the distance between your devices. Please make sure it is a straight through cable. Also please ensure that the rotary dial on the Universal II Interface is set to 1 and that it is powered by its own adapter.

Connection to Network

Installation requires connection to your network router or switch which supports 10Base-T Ethernet. Connect the built-in ethernet port to your network device using the included cat-5 cable or a standard cat-5 networking cable of your choice. You may also use a wireless bridge or a Powerline network device to provide the network connection. The Shade Control device will obtain an IP address automatically via DHCP.

Connection to Power

Connect the included power adapter to the device and plug it into a standard wall outlet. When plugged in, the green LED on the ethernet port will blink for 5 seconds and then the device will boot normally.

Web Interface

To access the web interface type 'http://shadecontrol' into your browser. This may not work with all routers and network configurations (see below hint). You can also type the IP address of the Shade Control device which can be found in your router interface by matching an IP address from the table with the MAC address printed on the bottom of the device or by using an IP scanner tool to search by MAC address. Log in using the username 'admin' and the default password 'admin'.

Windows Hint: In your network connection properties under TCP/IPv4 properties, click the advanced button. In the DNS tab, select "Append these DNS suffixes (in order)" and click add and enter "." (a single period with no quotes).

Controls

This page displays the basic shade controls for each of the 16 groups.

1

Click to send the preset 1 command as configured on the presets page.

2

Click to send the preset 2 command as configured on the presets page.

3

Click to send the preset 3 command as configured on the presets page.

Down

Click to send a down command.

Stop

Click to send a stop command.

Up

Click to send an up command.

Timers

This page displays any existing timers and allows you to create new timers.

If there are no timers configured, a timer called "New Timer" will automatically be populated for you to configure. If there are existing timers, they will be labeled "Timer #" in numerical order. To add another new timer, click the "Add Timer" button.

To configure a timer, first set the days on which you wish the timer to run. Do this by clicking on the "MTWRFUSU" letters that abbreviate each day of the week. When active, a day will be shown as red. Then set the time of day you wish the timer to run. Some examples of the format to use are: "12:00PM", "2:30PM", "1:05AM". Next, set the command you wish the timer to execute by choosing the group and command from the drop down menus. The command can be Up, Down, Stop, Preset1, Preset2, or Preset3. When you are finished adding new timers, save the changes. Timers are not saved until they are listed as numbered timers instead of "New Timer".

To deactivate a timer, set all the days to inactive and save the changes. The timer will be deleted from

memory.

You can create up to 100 timers.

Note: When you configure timers your timezone information is automatically retrieved from your computer's settings and stored into the Shade Control memory.

Presets

This page allows you to set presets for each group.

Due to the limitations of the Somfy interface, presets are designed as sequences of timed commands. To configure a preset, first you must measure the amount of time it takes for your shade to go from completely closed to completely open or vice versa. Enter this into the box labeled "Duration" in whole seconds. If you have shades of different lengths in the same group you may not wish to use presets for that group. The boxes 1 through 3 are the preset values and are defined as follows:

The first character can be either 'c','o','+', or '-' and is followed by a number from 0 to 100 that represents a percentage.

For example, "c50" means 50% closed, "o20" means 20% open, "+30" means go up 30% from the current position, and "-40" means go down 40% from the current position.

Settings

This page shows the firmware version, time as kept by the Shade Control device (adjusted for your computer's timezone settings), and allows you to enable or disable daylight savings time or DST.

This page also allows you to change the admin password and set the names for the 16 shade groups.

All fields are limited to 15 characters or less.

Mobile Web App

Shade Control contains a built-in mobile web app which can be accessed from any browser including iPhone, iPad, and Android devices.

To launch the web app, visit <http://shadecontrol/app.html> or <http://ip.address.here/app.html>

Saving Password

The app allows you to save your password so that you do not need to log in every time you visit it. This is especially useful when adding the app to your home screen on iOS devices. To save your password, load the app and click on the settings button in the top right corner. Then click "Save Password". To clear your saved password, click "Clear Password".

Controlling Shades

To control your shades, simply click on the group name. You will see a control panel pop up with buttons for Up, Down, Stop, and presets.

Emergency Factory Reset / Forgotten Password

In the event you have forgotten your password, you will need to factory reset your device. To do this, go to <http://shadecontrol/userreset.cgi?do=true> or <http://ip.address.here/userreset.cgi?do=true> in your web browser and enter the username "admin" and for the password enter the security key printed on the label on the bottom of your device. The security key can only be used to factory reset the device and will not allow you to access any other web pages.

Home Automation System Integration

TCP port 6000 accepts data that is passed directly to the Universal II Interface. Use serial commands that follow the Universal II Interface format.

For example, send "0101U\r\n" to raise the group 1 shades. The equivalent hex string would be "30313031550D0A".

You can also use HTTP GET commands in the following format:

<http://shadecontrol/set.cgi?addr=1&gp=1&val=up>

addr - the address of the Universal II Interface (will always be 1 unless you have more than one interface connected)

gp - the group/channel you want to control (1-16)

val - the command you want to execute (up, st, dn, ps1, ps2, ps3)

NOTE: HTTP GET commands require a valid basic authorization header to be sent.

More coming soon...

Compliance Information

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an output on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.