

Control4 KMTronic Radio 8 channels WEB Relay board

Buying the device

On the KMTronic (kmtronic.com) online shop, search for: **KMTronic Radio 433MHz 8 channels WEB Relay board**.

License

To get a valid license code refer to houselogix market place.

Device setting (from the KMTronic Howto)

The default IP address of the device is 192.168.1.199. If your LAN IP mask is different, you need one time access to network 192.168.1.x to change default setting of KMTronic.

Open a browser and type 192.168.1.199

The default user is *admin* with password *admin*.

In "Configuration" menu you can change default:

- **IP Address**
- **Gateway**
- **HTTP Port**
- **UDP Source Port**
- **UDP Destination Port**

Configuration
PIN Configuration
Authorization Configuration

UDP to RF433 v.1.0

Configuration

Enter the new settings for the board below:

☐ Enable DHCP

IP Address:

Gateway:

Subnet Mask:

HTTP Port:

UDP Source Port:

UDP Destination Port:

Save Config

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In order to change the Default configurations, you need to follow the instruction to change the security setting of your device:

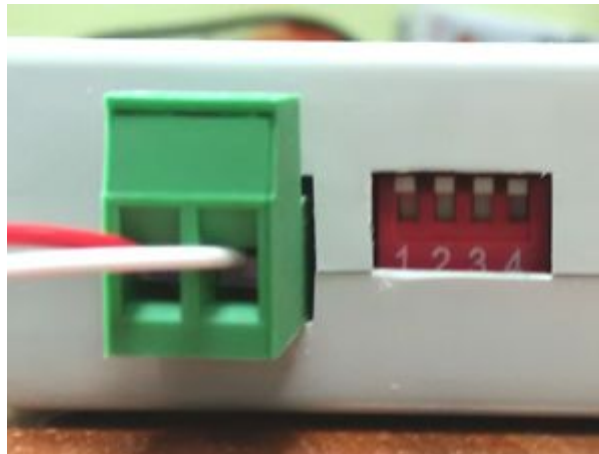
Open UDP RF433MHz Transmitter "PIN Configuration" menu



The screenshot shows a web interface for "RF433 Security Configuration". In the top right corner, it says "UDP to RF433 v.1.0". On the left, there is a blue sidebar with three menu items: "Configuration", "PIN Configuration" (which is highlighted), and "Authorization Configuration". The main area has the title "RF433 Security Configuration" and a prompt "Enter the new PIN code below:". Below this prompt is a form with two input fields: "PIN:" and "Re-enter PIN:". Each field has a small circular icon with a question mark to its right. A "Save" button is located below the "Re-enter PIN:" field. At the bottom center of the interface, there is a copyright notice "© KMtronic".

Enter your PIN code (in example 1234) and click Save.
(Is mandatory to enter a pin)

Turn OFF (up) all DIP Switches RF433MHz Relay board (*PIN SET MODE*)



Power the Relays board.

Download and run UDP Test software from

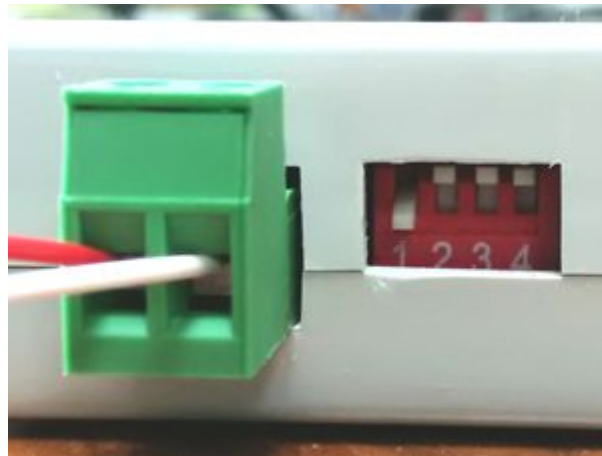
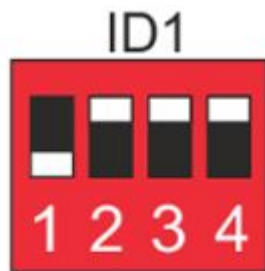
<http://info.kmtronic.com/kmtronic-udp-test-software.html>

Enter IP, Port, Command FF0101, click on Open and next Send

Enter the default value (IP:192.168.1.199, Port 12345) to confirm the change

Software must receive reply from board

Turn ON (down) DIP Switch '1' RF433MHz Relay board



For the integration with Control4, the device must have a fixed IP address. Please, set it on the device or in your DHCP server setting.

In “Authorization Configuration” you can change username name and password for device authentication. They will be required during the Driver configuration, so write them down.

In the relay control interface you can test your device relays.

Driver installation

Install the driver in your Control4 project using the composer (as any other driver) and set the following properties:

Properties

Properties

List View

Properties

Properties

Documentation

Actions

Lua

Debug	On
KMTronic IP	192.168.0.199
KMTronic Port	12345
KMTronic User	admin
KMTronic Password	admin
Polling	Off
Polling seconds	5
License code	
License Status	Activating driver license...

- **Debug:** in normal operating conditions is better to set it to “Off”
- **KMTronic IP:** device IP you set in the previous step.
- **KMTronic Port:** device HTTP Port if you changed it.
- **Polling:** Set it to “On” only if you plan to change the state of the relay from the native KMTronic web interface, otherwise it is not necessary.
- **Polling seconds:** select the frequency you want to update Control4 about the change coming from the KMTronic web interface.
- **License code:** copy & paste here the license code we sent to you during the license buying process.

Connection

For each relay, you will find a KMT Relay *connection* that allows to connect it to the proper device (eg: relay, fan, pump, gate, blind, ...)

You simply have to create new connections.

The following incoming commands from other drivers are supported: OPEN, CLOSE, TOGGLE & TRIGGER.

Variable

The driver gives the possibility to use a single Control4 variable, called “CommandMask”, to control all relays. The variable is of type “string” and the message sent to the driver is composed by 8 characters. Characters must be 0 (ZERO) or 1 (ONE).

The composition of the string determines the device behaviour as follows:

The first character on the left controls the eighth relay, the second char on the left controls the seventh relay, ..., and the last char on the right controls the first relay.

Relay	87654321
Mask	10101010

Have fun with our Homemade Organic Drivers!
c4.soft.kiwi