

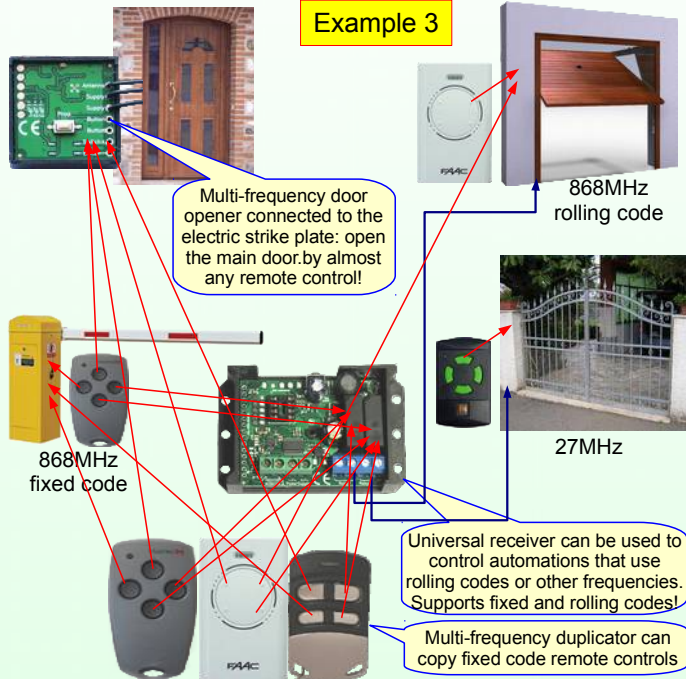
Need to integrate different remote controls into a single one, even if transmission frequency is different?

No problem: if remote controls transmit a fixed code, you can use our multi-frequency remote controls and transmitters.

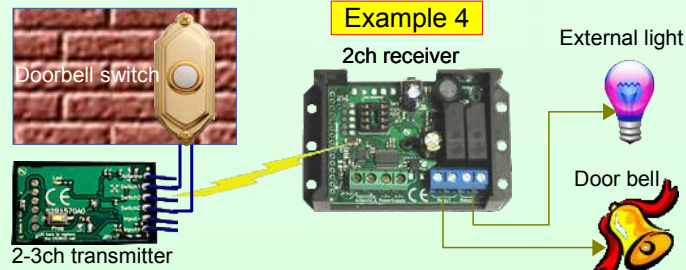
What about if existing remote controls transmit a rolling code?

You can use the combination of our multi-frequency duplicators and receivers.

In the next example, the goal is to **control everything with a single remote control**. 2 automations works at 868 MHz, 1 at 27 MHz, and a main door should be connected to our multi-frequency door opener: 868MHz was chosen to control everything using the fixed code remote control at 868MHz, that can also be copied on our duplicator.



It's possible to control everything using the existing fixed code remote control. It's also possible to copy it on our multi-frequency duplicator, which is less expensive and has a nice look!



The transmitter is internally supplied by a 3V cell, so it can be easily connected to the doorbell switch without the need for external supply.

2ch receiver outputs can be configured to be activated by the same transmitter (doorbell switch): one output activates the door chime and the other output activates the light for 1 minute or more.

Multi-frequency remote control duplicator

433.92, 868.3, 286÷418 MHz



Copy up to 4 original remote controls even if they transmit in different frequencies

Automatically learn frequency and code transmitted by existing remote controls.

NO need for external programmers or frequency counters: very easy copying procedure with bi-color LED.

4 independent buttons: it's possible to copy up to 4 remote controls, for example:
 Hoermann HSM4 @868MHz on button 1
 Marantec D302 @433MHz on buttons 2
 FAAC TM315 @315MHz on button 3
 Linear Multicode @300MHz on button 4

4 independent buttons, all transmitting at 433.92 MHz
 Easy programming, thanks to the bi-color LED
 12V battery (type 27A)
 Long range, up to 500m

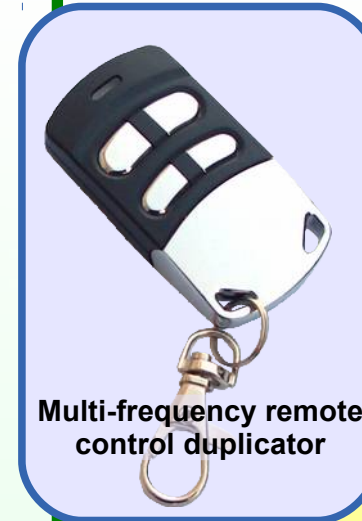


Long Range

High quality - Made in Europe

Transmitters and Receivers

Application Notes



Multi-frequency remote control duplicator

- Remote control duplicators
- Transmitters
- Receivers
- Door opener



Long range 433.92MHz remote control duplicator

Quality made in Europe

MULTI-FREQUENCY



1ch receiver



2ch receiver



Door opener

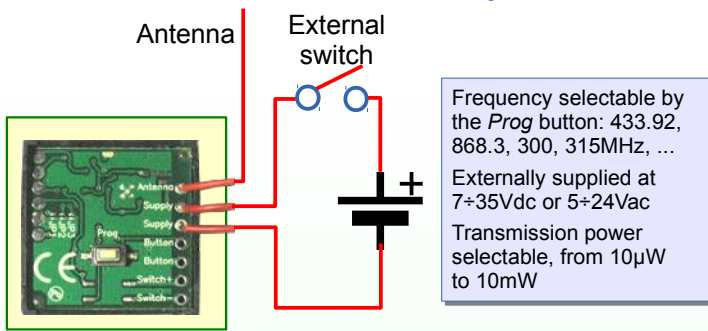


1ch transmitter/duplicator



2-3 channels transmitter/duplicator with power cut (blackout) detector

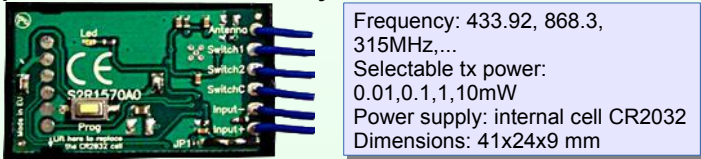
1 channel transmitter/duplicator



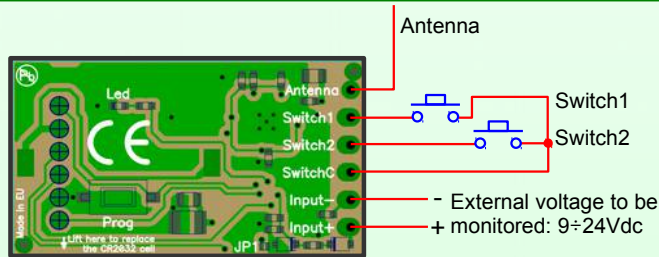
Can be used **inside a car** or connected to the **intercom** or any other push-button/switch, to **open a gate, garage door or barrier**. Can also be used with a universal receiver to **remotely control an output**.

2-3 ch transmitter with power-loss detector

Battery powered transmitter/duplicator that is able to **transmit up to 4 different fixed codes, even in different frequencies, associated to 1 or 2 push-buttons (total 3 channels) and power loss detector circuitry**.



Any channel can be configured with any of the supported frequencies, e.g. channel 1 at 433.92Mhz, channel 2 at 868.3 Mhz, ...



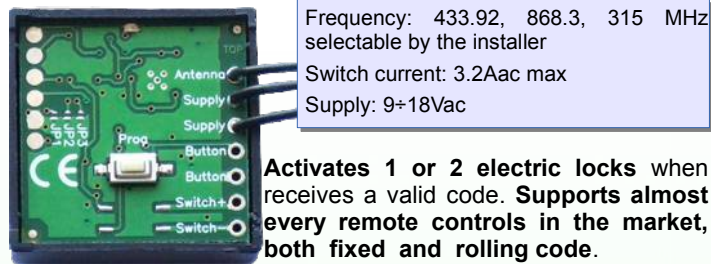
Channel 1: switch1 is closed
Channel 2: switch2 is closed
Channel 3: both switch1 and switch2 are closed
Channel 4: external voltage falls down from $V > 9Vdc$ to $V < 1Vdc$

Can be used to **convert 1 or 2 push-buttons into remote controls or into remote controlled outputs**, by using one or more associated receivers.

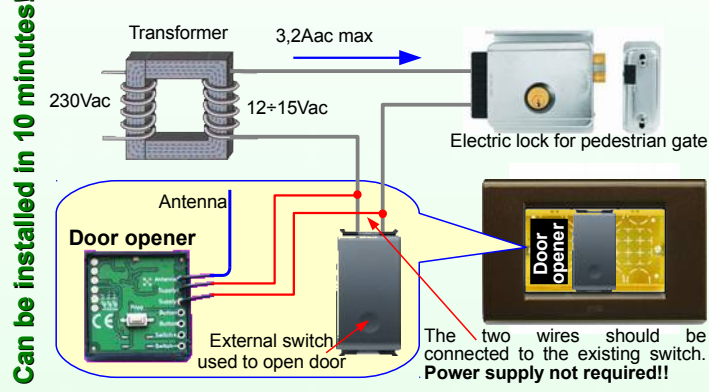
Inside a car or connected to the **intercom**, can be used to **open gate and garage door**.

Also, connecting the external voltage monitor to an external power supply, it can be used to **alert a domotic controller or activate an alarm in case of power cut**.

Door opener: activates an electric lock or strike plate by pressing a button on key fob



Gets power supply from the electric lock (less than 10mA in stand-by). **Has only 2 wires that should be connected to the external switch used to activate the electric lock.**



1 channel multi-frequency receiver

Can be used to **control, by almost any remote control** in the market, an **electronic board with a low-voltage input**.

Very compact: fits everywhere!

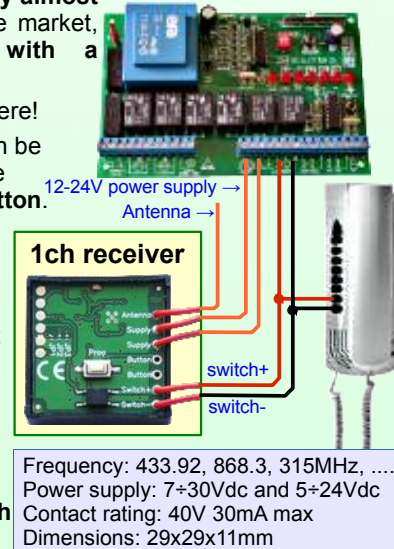
Frequency and output can be simply **programmed** by the installer using the *Prog* button.

Can be used to:

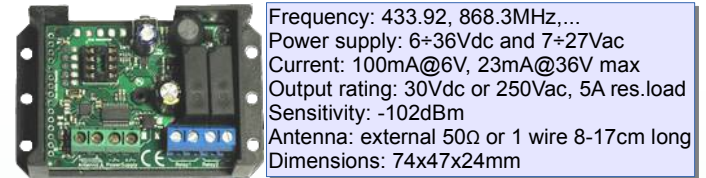
- * control an electronic board that has not a receiver
- * replace faulty receiver
- * control a receiver by different remote controls (fixed code instead of rolling code, different frequency or different type).

Perfect solution to permit the user to **control different automations with the same remote control**.

Manages one or more **Master remote controls**, that can be used by the condominium administration company to enable more remote controls without the need to access the receiver.



Multifrequency receiver with 2 relay outputs



Supports almost any remote control in the market, both fixed and rolling code. Manages up to **60 different remote controls**, that can be extended to **1000** by adding the external memory.

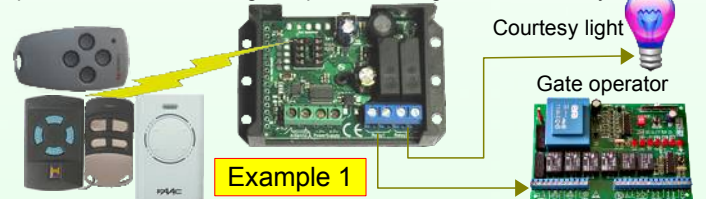
Outputs are independent and can be configured as hold-to-run, bistable, bistable ON/OFF (remote controls with one button to enable and another one to disable output) and timer 0.5s, 1s, 15s, 30s, 1m, 2m, 5m, 10m, 15m, 30m, 45m, 60minutes.

Frequency can be configured to 433.92, 868.3 MHz, ...

Range: 30m indoor, 150m outdoor

Universal receiver with 2 channels, one to control a gate operator board with 0.5s timer output, and another to open the courtesy light for 30s.

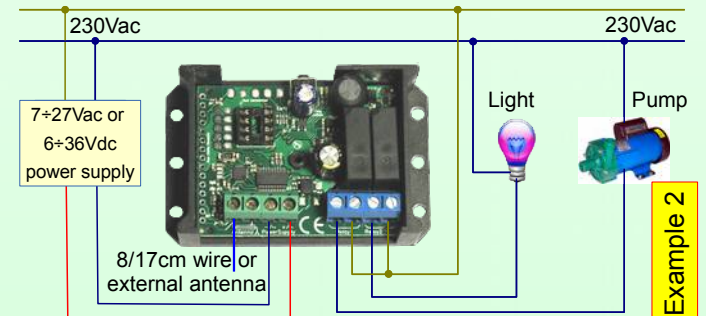
The **2 outputs can be independently controlled by 2 different remote control buttons, or with a single button**: in the latter case it's possible to activate the gate operator and light simultaneously.



The universal receiver supports almost every remote controls in the market, operating in OOK (AM) at 433, 868MHz, both fixed and rolling code. **Different types of remote controls, transmitting in the same frequency, can be used with the same receiver.**

Supports **master remote control** feature: transmitting from a remote control previously learned as "master", the programming mode is enabled for 10s, permitting to **learn new remote controls without the need to access the receiver**.

Perfect solution for building managers and installers.



Application schema to activate a courtesy light for 1,2,5 minutes and a small irrigation pump for 15, 30, 45 or 60 minutes. Time is selectable. **Relay outputs supports 250Vac, 5A max (resistive load)**.

It's possible to increase range by connecting an external antenna.