

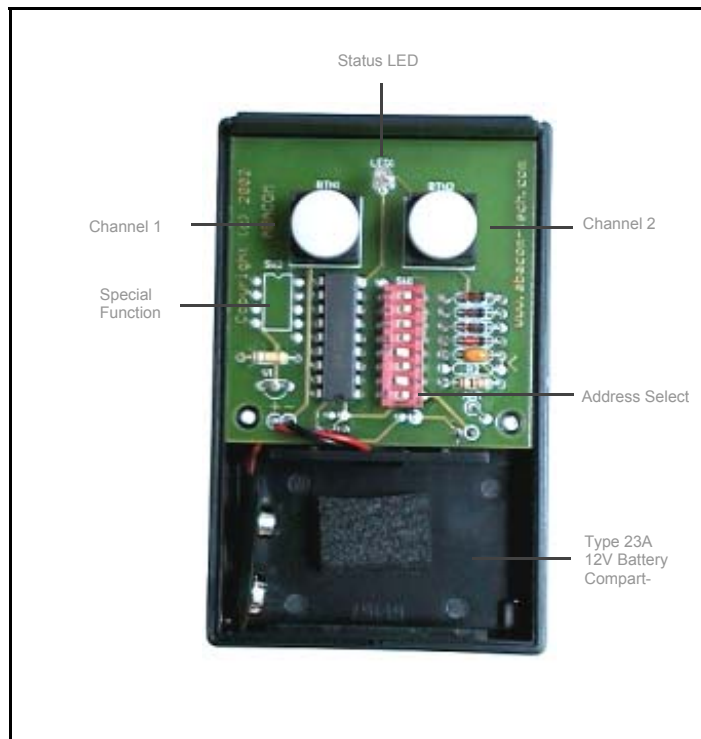


2-CH-xxx-REM RF Remote Control Modules

The 2-CH-xxx-REM RF remote control transmitter and receiver system is designed to accommodate several different ABACOM RF transmitter and receiver modules, resulting in a highly versatile system to suite many different applications and budgets.

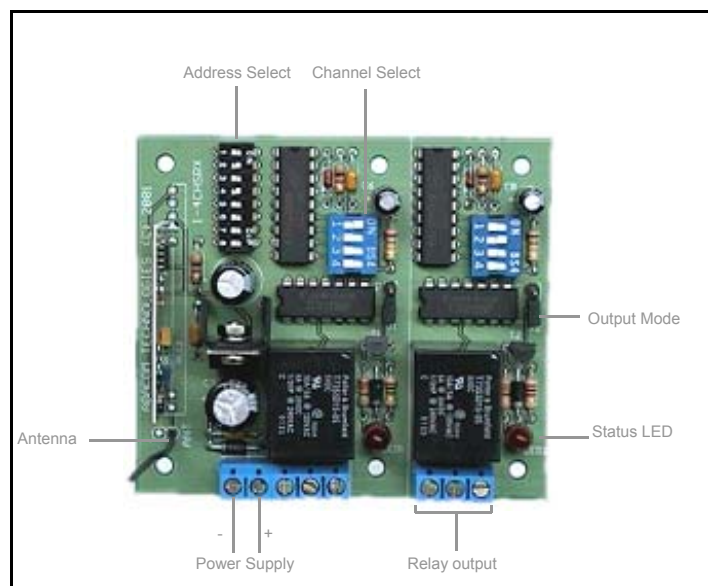
Transmitter Features

- 256 unique address combinations
- 1 or 2 channel configurations
- Quality tactile pushbuttons
- 1/4 wave antenna
- Status LED
- Ergonomic handheld enclosure
- Black or Grey options
- Belt Clip Option
- Special function switches for unique customization
- Lightweight
- Optional AM or FM RF sections
- 418, 433.92, 916.5MHz frequency options



Receiver Module Features

- Latch or Pulse relay outputs
- Wide supply range: 7.5V-15V
- Individual channel selection
- Customizable pulse timing
- Available in 1,2,3,4,5,6 and more channels
- Channel status LED's
- NO/NC 10amp relay contacts
- Optional AM or FM RF sections
- Reverse polarity protected



System Configuration

The system is supplied pre-configured and therefore reconfiguration may only be necessary to suite the user's preferences.

The 8 position address DIP switch on the transmitter and receiver must be configured similarly to establish a link. One of up to 256 unique settings may be selected.

The 4 position channel select (special function) DIP switch is configured to match the code associated with the transmitter key switch:

Receiver Channel DIP Switch	Transmitter Key Switch 1	Transmitter Key Switch 2
1	ON	OFF
2	OFF	ON
3	OFF	OFF
4	OFF	OFF

Note: The 4 position DIP switch on the transmitter is intended for specialized functions when used with the 4channel receiver modules. The default positions are all OFF. Changing these positions will change the code associated each key would therefore will need to match the channel select DIP switches on the receiver. The above table is valid only for the default setting of all positions in the OFF state.

Power Supply Connection- Receiver

The two channel receiver draws approximately 200mA with both channels energized. (90mA per active channel plus 0.8-20mA depending on the AM or FM RF receiver module ordered).

A power supply that is able to source at least 250mA at a DC voltage of between 7.5V and 15V will be suitable. This may typically be a wall adaptor or battery. The supply polarity should be observed and connected according to the labeled image. The polarity of the power supply terminals is also labeled on the solder side of the receiver printed circuit board.

Relay output Connection:

Each relay has three terminals: Normally Open (NO), Normally Closed (NC) and Common (COM). The relay contacts are capable of switching current up to 10amps. With the receiver channel in its quiescent state—relay off, LED off—the NC and COM terminals will be connected to each other and the NO and COM terminals will be open. With the receiver channel energized—relay ON, LED ON—the NO and COM terminals will be connected to each other and the NC and COM will be open. Based on this operation, the connection to external device will depend on the application.

Latched Mode / Pulsed Mode Configuration

Each channel may be independently configured to operate in latched mode or pulsed mode by positioning of the mode jumper.

Latched mode: Upon momentary activation of the associated transmitter key, the channel output relay will energize, and remain energized until the next momentary activation of the transmitter, at which time the associated relay will de-energize.

Pulsed Mode: Upon momentary activation of the associated transmitter key, the channel output relay will energize briefly (0.5sec) and then de-energize automatically. If the transmitter is held down, the relay will remain energized until 0.5s after the key is released.