

INSTRUCTION SHEET

Q-TRON MINIPLEX RECEIVER Covers Models: Miniblue

Step 1. Frequency Selection

Q-tron Miniplex receivers are designed with dual frequency capability and can be supplied on either 403MHz or 433MHz. The factory default setting on a Miniplex is 433MHz. On the dual frequency version, ie with two crystals fitted to the pcb, frequency selection is done using J4, J4 off = 433Mhz.

Step 2. Powering-Up

Your receiver is designed to operate from either a 12v Dc or 24v Ac/Dc power source. Please follow power ratings very carefully – See connection block diagram on inside cover. When power is applied correctly the LED will flash quickly every second.

Step 3. Storing your transmitter codes

Q-tron Miniplex receivers are designed to automatically detect our transmitter's "Code Hopping Format" individualised "64 bit Code Hopping Protocole. Thanks to our unique Smart-Code software, no dip-switch settings are required. Provided your transmitter is "Valid" (See **Important Notice** overleaf) and that you have selected the correct frequency, the receiver will auto-detect and store your transmitter into memory. Follow instruction A below to store transmitters into your receiver: **Very Important !**

Before attempting to store your transmitter/s into receiver memory, make sure you have selected a valid QTRON Code Hopping transmitter. Miniplex receivers will not accept another type of Code Hopping transmitter, or any other format.

A. Multi User / Format (See Figure 1.)

Multi User/Format receivers can store upto 80 transmitter codes, QTRON code hopping format. First make sure your receiver is powered-up. Second, check you have the correct remotes. Third, press the **LEARN** button, led turns on, now press the transmitter button. The LED should flash to confirm. The transmitter code has now been stored into memory. Press **LEARN** and the next transmitter to automatically advance to the next location : If at all during the process the LED goes off, it indicates that the transmitter code is already in memory.

Step 4. Selecting Relay Timing Options

J1, J2 and J3 are used to select different modes of operation.

J1, J2, J3 all OFF = Quick relay response.

J1 ON = 1 second relay time.

J2 ON = 3 second relay time.

J3 ON = 30 second relay time

J1 and J2 ON = Hold relay for duration of transmitter press.

J1 and J3 ON = Reserved.

Important ! To erase all codes from memory and to restore factory settings, press and hold the **LEARN** button for approximately 10 seconds while powering up the unit. The LED will flash 5 times then go off. Continue holding in the **LEARN** button until the LED starts flashing again, to confirm erasure.

Step 4. Selecting Pulse or Latch

Pulse operation is selected via Relay Timing Options listed above. To change to Latch – Fit jumpers to J2 and J3.

Important Notice ! Only transmitters that are "Valid" can be used to operate this receiver. A valid transmitter must be a Qtron Maroon or Black CODE HOPPING TRANSMITTER, a ONE, THREE or FOUR button transmitter may be programmed into the receiver. The Button pressed when learning the transmitter into the receiver will be stored and used to operate the relay. ie Any button on the transmitter may be learnt into the receiver.

Figure 1.

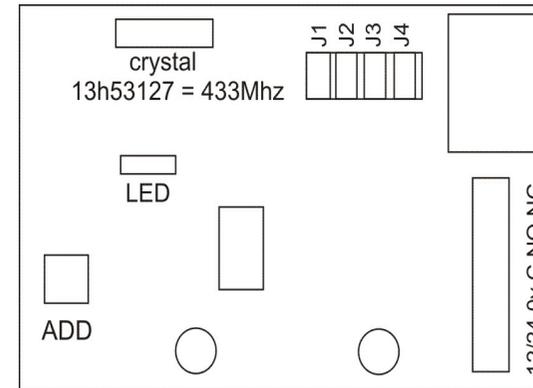


Figure 1. Indicates:

The Crystal type for frequency selection 433mhz.

The location of the ADD/LEARN button for transmitter code storing.

The location of the "Jumpers" for Relay timing selection.

Figure 2.

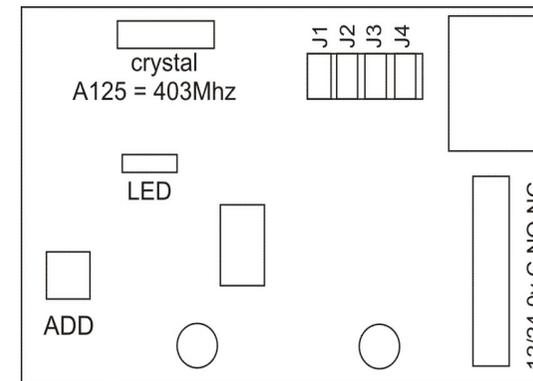


Figure 2. Indicates:

The Crystal type for frequency selection 403mhz.

The location of the ADD/LEARN button for transmitter code storing.

The location of the "Jumpers" for Relay timing selection.