INSTRUCTION SHEET

Q-TRON MULTIPLEX RECEIVER

Covers Models: MPLEX-1, MPLEX-2

Step 1. Frequency Selection

Q-tron Multiplex receivers are designed with dual frequency capability and can operate on either 403MHz or 433MHz. The factory default setting is 403MHz. To change the frequency simply short the adjacent pins using the "Jumper" provided (See Figure 1 or 2)

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 3 times.

Step 3. Storing your transmitter codes

Q-tron Multiplex receivers are designed to automatically detect a transmitter's "Code Format" and its individualised "Code Setting" ie. Dip switch setting. 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 either instruction A or B below depending on your receiver model: ***Very Important !*** Before attempting to store your transmitter/s into receiver memory, make sure you have selected a proper code (Dip-switch setting) in the transmitter. Multiplex receivers will not accept a transmitter with "NO CODE" ie. All Zero, All Positive or All Negative.

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

Single User/Format receivers can store only 1 transmitter code on any available format.
First make sure your receiver is powered-up. Second, check you have selected the correct frequency. Third, press and hold in the ADD button and then press the transmitter button. The LED should flash 3 times to confirm. The transmitter code has now been stored into memory. Storing a new transmitter code will automatically over-write the old one. Note: If at all during the process the LED flashes 5 times, it indicates that the transmitter code is already in memory.

B. Multi User / Format (See Figure 2.)

Multi User/Format receivers can store up to 300 transmitter codes on multiple formats simultaneously. First make sure your receiver is powered-up. Second, check you have selected the correct frequency. Third, put the "Program Jumper" into the ON position. Fourth, press and hold in the ADD button and then press the transmitter button. The LED should flash 3 times to confirm. The transmitter code has now been stored into memory. Note: If at all during the process the LED flashes 5 times, it indicates that either the transmitter code is already in memory or that the "Program Jumper" is not in the ON position. To add a new transmitter code repeat the process. To delete a transmitter code press and hold in the DEL button followed by the transmitter you want deleted. The LED will flash 3 times to confirm.
Important ! To erase all codes from memory and to restore factory settings, put the "Program Jumper" into the OFF position and hold in the ADD button for 5 seconds. The LED will flash twice to confirm.

Step 4. Selecting Pulse or Latch

The factory default setting is Pulse. To change to Latch – First remove power from receiver. Second, put the "Program Jumper" into the ON position. Third, press and hold in the ADD button and then apply power. The LED will flash 3 times to confirm. To change back to Pulse repeat the process this time with "Program Jumper" in the OFF position.

Important Notice ! Only transmitters that are "Valid" can be used to operate this receiver. A valid transmitter must: 1. Operate on either of the two mentioned frequencies 2. Transmit a compatible code / code format. Q-Tron Multiplex receivers operate on either 403 MHz or 433 MHz and use Smart-Code technology designed to automatically accept the following code formats: Binary (12 Bits), Q-Tron Trinary (9 Bits Inverted), Universal Trinary (9 Bits) and French Code (12 Bits Scrambled) and Smart 2 (433MHz only).

Figure 1.

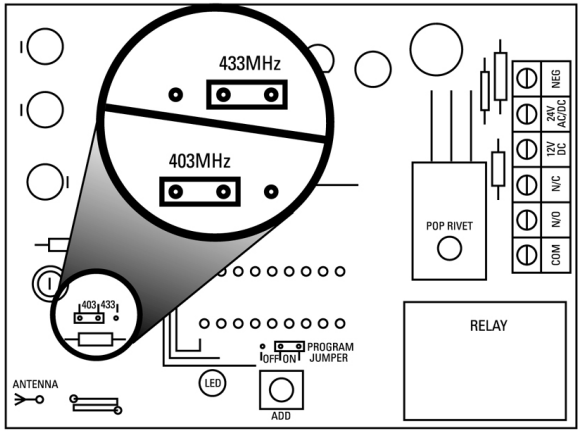

Figure 1. Indicates:

The Jumper plug positions for frequency selection (Zoomed).

The location of the ADD button for transmitter code storing.

The location of the "Program Jumper" for Pulse/Latch selection.

Figure 2.

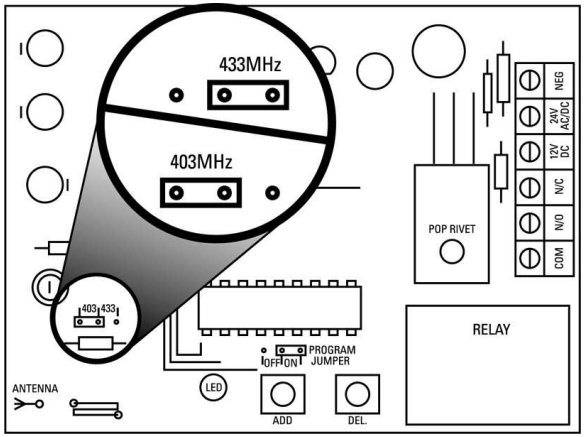

Figure 2. Indicates:

The Jumper plug positions for frequency selection (Zoomed).

*The location of the **ADD** and **DEL** buttons for transmitter code storing, deletion and memory erasing.*

The location of the "Program Jumper" for memory erasing and Pulse/Latch selection.