



OPERATING INSTRUCTIONS - DTS RX2 TWO CHANNEL RECEIVER

General Operation:

- a) The 2 channel receiver will operate with a 12 to 24V AC or DC supply. The relay contacts are rated at 1A/125VAC or 1A/30VDC and are intended for signal switching only.
- b) The receiver memory will hold 31 remote transmitter keys in combination between the 2 channels, with or without full code hopping decryption.
- c) Relay operation is indicated by the Red channel LED. Momentary or latching mode is selected by the channel option jumper (*jumper link fitted for latching / not fitted, for momentary mode*).

Adding a Transmitter Key to the receiver:

1. Press and release the "Learn" push button to cycle through the output channels until the required channel is selected (*indicated by the red channel LED*). The Green RX LED will be on, indicating that the "Learn" mode is active. The "Learn" mode is enabled for only 5 seconds. The receiver will exit "Learn" mode if there is no activity within this period.
2. With the required channel selected, press and release the remote transmitter's push button. The receiver will cancel "Learn" mode if the remote transmitter key is already programmed into the receiver memory. On reception of a valid key, the red channel LED indicator will switch off and the steady green RX LED will change to rapid flashing. A further press and release of the remote transmitters push button is required to validate the key entry (*minimizes the possibility of inadvertently programming unwanted keys*).
3. Successful entry and programming is indicated by one of the following methods:
 - a) Two simultaneous flashes of the selected channel red LED and the green RX LED indicating that a non registered key has been successfully entered and will be decoded without code hopping decryption but with serial number decoding only.
 - b) Three simultaneous flashes of the red and green LED indicating that a registered key has been successfully entered and will be decoded with full code hopping decryption and synchronization.

Removing a Transmitter Key:

1. Press and hold down the "Learn" push button and release immediately after 5 seconds when the green LED turns on. The green LED indicates that the "Erase next key" mode has been activated. Press and release the required remote transmitter push button to erase that key. Successful erasure is indicated by all the LED's turning on for 1 second.
2. The "Erase next key" mode will self cancel after 5 seconds if no remote transmitter key has been received or will cancel immediately if the received remote transmitter key is not in the receivers memory. Repeat step 1 for erasing additional keys.

Total memory erasure:

1. Press and hold down the "Learn" push button. After 5 seconds the green RX LED will switch on. Continue holding the push button for a further 5 seconds and release when all the LED's start flashing. All LED's will pulse together 5 times indicating total erasure of the receivers memory. (Will flash 10 times if in Keelog mode)

General Indications:

- a) A self test procedure is performed when the receiver power supply is connected. Successful initialization is indicated by 1 short flash of all LED's. 5 short flashes will indicate that the receiver's memory is totally erased.
- b) Rapid flashing of the red LED while adding a new transmitter key indicates that the receivers memory is full (*31 keys stored*). If this 32nd key is saved, the user must be aware that the 1st key saved will be discarded. Additional new keys saved will discard older keys on a "first in / first out" cyclic basis.
- c) Rapid flashing of the green RX LED when the remote transmitter push button is pressed indicates that the remote transmitter battery is low.

To change the receiver from Open to Keelog mode and Visa Versa

Totally master erase the receiver. Disconnect the power. Fit the latch mode jumper J1 (Channel 1). Press & hold the program push button while re-applying the power until the LED starts to flash. (5 flashes indicates open code mode & 10 flashes indicates Keelog mode). Remove Jumper J1.

Please note that **ONLY** the DTS remotes with the blue buttons can be used when in Keelog mode.



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