



RECEIVER

INSTRUCTION MANUAL

DTS RX100
DTS RX200
DTS RX300

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OPERATING INSTRUCTIONS

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 (*extended 10 seconds if CH1 jumper fitted*). 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 indicate that a non-registered key has been successfully entered and will be decoded without code hopping decryption.

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.

4. Note that a memory full condition (*30 DTS remotes - other remotes may differ*) is indicated with a rapid flashing of all LEDs when attempting to add a remote.

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 flashing twice.
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 receiver’s memory. Repeat step 1 for erasing additional keys.

Total memory erasure:

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 receiver’s memory

Setting the Relay Timer:

1. With the relay channel in the normal impulse mode (*jumper not fitted*), trigger the relay with a previously programmed remote. With the remote button held down (*green LED on*) press the programming push button then release the push button and remote when the green LED turns off. The selected relay channel red LED will begin to flash every second. Count the required pulse time seconds then press the programming button again, to complete the programming.
2. A remote trigger will now turn on the relay for the programmed time (*max 60 minutes*).

Note that a remote trigger when the relay is on will cancel the timer and turn the relay off.

Cancelling the Relay Timer:

1. Repeat the setting step 1 but release the programming button immediately (*before the green LED goes off*).
2. Alternatively powering up the receiver with the rely latching jumper fitted will cancel the timer for that relay.

Changing Receiver Security Modes:

1. The receiver is factory defaulted to mixed mode and will operate with DTS encrypted Octo remotes that can't be copied or cloned (*3 flashes on programming*) and with any other type of non-encrypted or open code remote (*2 flashes on programming*).
2. For high security applications the receiver can be switched to an encrypted only mode with the following procedure;

With the memory totally erased and relay 1 jumper fitted, hold the learn button down during power up for 10s, the operating mode will switch from open code to encrypted rolling code only. Repeating this process will revert back to open code.

Encrypted Rolling code setting is acknowledged by 10 red LED flashes after a total erase or power up with erased memory.

Open code setting is acknowledged by 5 red LED flashes after a total erase or power up with erased memory.

Operating Specification:

1. 30 remote memory (only applicable for DTS remotes - other remotes may differ).
2. The receiver requires a nominal 12V or 24V DC supply voltage.
3. Relay contacts are rated 10A 220VAC (*non inductive*).