

# Multi-Frequency Receivers

## FHCRX-1 and FHCRX-2 and FHRX-2 Installation Instructions

Thank you for purchasing the ATA FHCRX Series Stand Alone Receiver. Familiarise yourself with the following instructions prior to commencing set up. Store this information in a safe place for future reference. The FHCRX series receivers have relays on board which provide normally open or normally closed contact for controlling virtually any electronic device including garage doors and gate openers. The relays can be programmed to any of three modes - pulse, hold or timer. One or both relays can be programmed with any of the three modes.

### BRAND OF TRANSMITTERS

First memory location sets the type of transmitters which can be stored into the receivers memory. It either can be ATA TrioCode™ or BND Tri-Tran™ transmitters. For example if first transmitter stored is TrioCode™ then rest of transmitters can only be TrioCode™ type and mixing of TrioCode™,Tri-Tran™ is not possible. By deleting all stored transmitter codes from receivers memory will allow you to choose either TrioCode™ or Tri-Tran™ transmitters.

### SETTING RELAY OPERATING MODES

Pulse Mode - Relay contact is active whilst transmitter button is pressed.

Hold Mode - Relay changes state at each press of transmitter button. Hold, Release, Hold, etc. (like an on/off switch).

Timer Mode - Relay will remain active for the programmed duration.the timer is adjustable from 0 seconds to 655.34 seconds in .01second steps

Note: Timer mode is select able only with the ATA Programmer. Refer to the Programmer's manual for instructions on setting Timer mode.

RELAY-1 Pulse Mode - Remove JP1 jumper or do not bridge the two pins.

RELAY-1 Hold Mode - Bridge the two pins on JP1 jumper.

RELAY-2 Pulse Mode - Remove JP2 jumper or do not bridge the two pins.

RELAY-2 Hold Mode - Bridge the two pins on JP2 jumper.

### UNIVERSAL PROGRAMMER

An ATA Universal Programmer can be used to set timer (adjustable from 0.00 to 655.34 seconds), Edit, back up /restore transmitters.

### STORING TRANSMITTER CODE

- Press and hold;
  - FHCRX-1 and FHCRX-2: SW1 (for Relay 1) or SW2 (for Relay 2) on the receiver board
  - FHRX-2: SW1 (for Channel 1) or SW2 (for Channel 2) on the receiver board.
 The led will start to flash
- Press the transmitter button you would like to use to control the device for two (2) seconds. The led will start to flash faster.
- Release the transmitter button and pause for two (2) seconds. Press the same button again for two (2) seconds. The led stays on for a second and turns off.
- Release SW button.
- Press the transmitter button to test operation.

### DELETING A SINGLE TRANSMITTER'S CODE

- Press and hold;
  - FHCRX-1 and FHCRX-2: SW1 (for Relay 1) or SW2 (for Relay 2) on the receiver board
  - FHRX-2: SW1 (for Channel 1) or SW2 (for Channel 2) on the receiver board.
 The led will start to flash
- Press the transmitter button you would like to remove from receivers memory for two seconds. The led will start to flash faster.
- Release the transmitter button and pause for two seconds. Press the same button again for two seconds. The led will slowly flash two times
- Release SW button.
- Press the transmitter button to confirm that it has been removed.

### DELETING ALL STORED TRANSMITTER CODES

- Turn the power off to the receiver.
- Press and hold SW1 button.
- While holding SW1 turn power on again. After 15 seconds the Coding LED will illuminate to indicate that the receivers memory has been cleared.
- Release SW1. All the stored codes should now be deleted. Confirm this by pressing the transmitters previously used to operate the device. There should be no response.

### SPECIFICATIONS

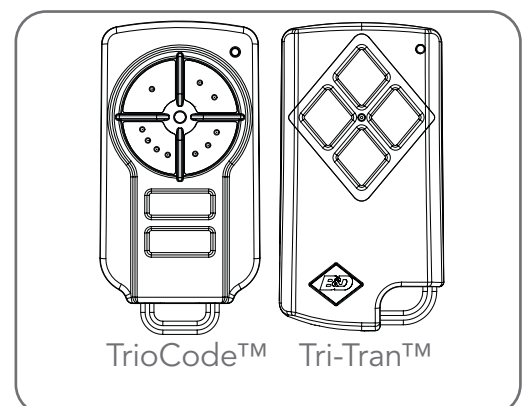
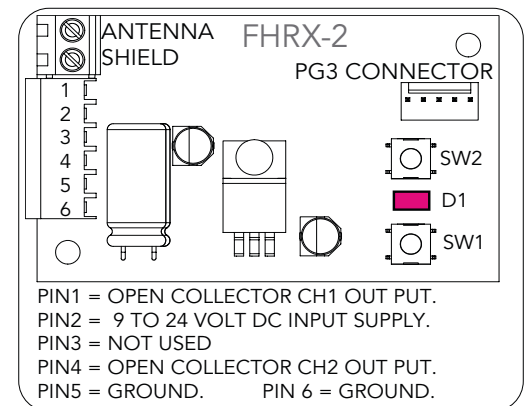
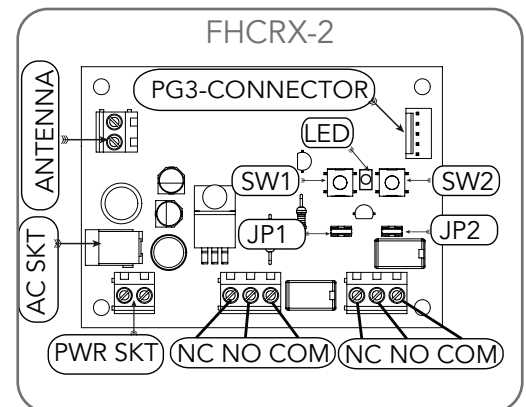
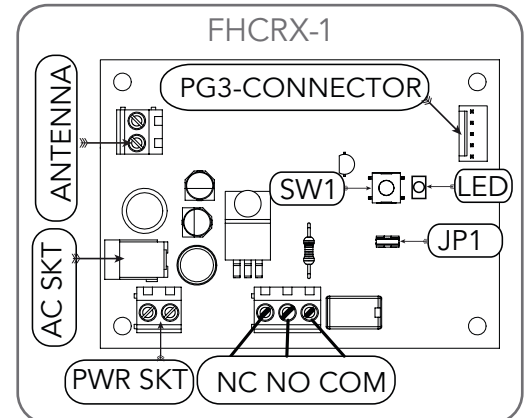
Power Supply: 9 volts to 24 Volts DC ONLY

Frequency: Multi frequency

Memory Capacity: 250 Transmitters

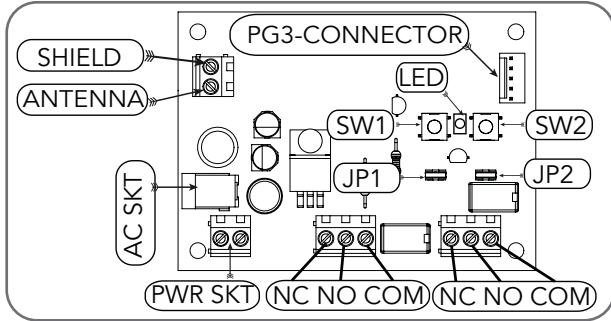
Control Output 1 : Open collector output at pin one for channel one (40 dc volts 100ma max)

Control Output 2 : Open collector output at pin four for channel two (40 dc volts 100ma max)



## CO-AXIAL CONNECTION

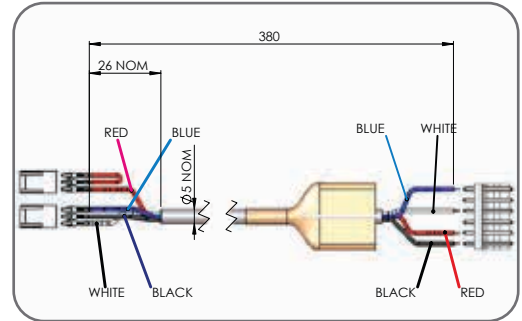
An optional coaxial antenna is available for use with the receiver in difficult reception areas. The antenna has to be mounted as high as possible so that it is not obstructed, e.g. on top of a fence, or on a wall at the front of a garage, etc. Connect the core of coaxial lead to replace the existing antenna wire (outer screw socket). Connect shield to the spare (inner) screw socket.



## HARNESS

The harness to connect receiver to the opener can be bought from ATA (Order code #01905). User may have to cut and strip wires to connect to different openers. Cut and leave white wire if the second channel is not used.

Harness to use with receiver



## HOW TO CONNECT RECEIVER WITH ATA HARNESS TO DOOR/GATE OPENERS:

