

MISSION CONTROLLER

RADIO FX SWITCHING SYSTEM

OPERATING INSTRUCTIONS RX-1 RECEIVER

Start:

Remove the antenna from travelling clip and screw into the socket on PC Card through the hole on the top panel being careful not to over tighten. Replace antenna in clip after using.

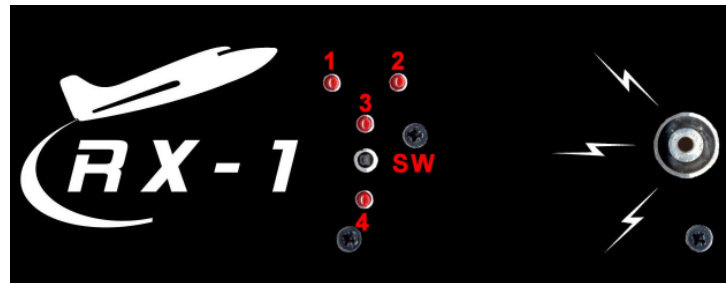
Powering from an external AC adapter is recommended. Connection is by a standard DC power jack (standard protocol of negative feed to the 2.1mm centre pin). Output voltage should be 9-12 Volts DC. Current capacity should be 100mA or higher. Current consumption of unit is 45mA at 9V DC. A 9 Volt Alkaline Battery can also be used. Slide back battery cover and install battery. Note: When using a battery the expected operational life is about 6-8Hrs. The battery is turned on by the action of inserting a jack plug into the left channel IN jack socket so remember to remove this plug when not using the unit for long periods of time.

The Unit has two switching channels that are controlled by the receiver and all switching is direct by reed relays. When the unit is first turned on no channel LED lights will illuminate and each of the channels will be in Bypass Mode. When one of the Transmitter Commands is received a Channel LED light will come on and that channel now has the Insert Mode active. The switching can be thought of as Hard Wire Bypass switching.

SETTING UP THE RX-1 TO RECEIVE COMMANDS

The RX-1 is capable of learning the unique code of up to 7 different transmitters (TX) and has to be set up before it can work with a particular TX. Follow the steps below to teach the RX-1 the TX code.

SW - LEARN SWITCH
LED1 - channel 1 status
LED2 - channel 2 status
LED3 - status LED
LED4 - Low TX battery
Antenna on right



CODE LEARN OPERATION

1. Press briefly and release the learn switch on the front panel using the tip of a pen.
2. The status LED will illuminate while the switch is pressed and remain on when released.
3. Press one of the buttons on the transmitter (TX) once, the status LED will extinguish.
4. Operate the TX a second time, status LED will flash.
5. After the status LED has stopped flashing the TX has been successfully taught to the RX-1.
6. This TX will now operate the system.

Up to 7 unique transmitter's code may be memorised by the RX-1 by repeating the above procedure and this information is retained when the power is off.

ERASE OPERATION

To completely erase all transmitter data, press and hold the learn switch for 8 seconds. The status LED will illuminate continuously whilst the switch is held down and then flash while the RX-1 erases all memory. It may take several seconds until the erase function is complete. After the status LED is extinguished all the identities of the transmitters (TX) are erased from the RX-1 memory.

LOW TRANSMITTER BATTERY

The Low TX Battery LED will illuminate when the transmitter battery needs replacing. The expected life is about 9 months for normal use. The TX Battery Type is a 12V alkaline type 23A or equivalent.