
RF2IR

RF Base Station



Quick Start Installation Instructions

ATTENTION: Requires the XTR39 to operate.

Welcome!

The RF2IR base station is the ultimate Xantech accessory to the Xantech XTR39 Color LCD remote. It's a receiver that accepts the Radio Frequency output of the XTR39 remote and translates it into IR and RS232 command signals that can control virtually any home electronic device. The RF2IR makes it simple to set up a reliable and sophisticated multi-room control system that is easily controlled by the intuitive LCD touch screen control of the XTR39 RF capable remote.

Specifications

RF Receive Frequency: 2.4GHz
Channel Address: 16
Network ID: 256 (per Channel Address)
IR Blaster Range: 30'
IR Format Support: XIR1 and XIR2/Library
Addressable Emitter Output Ports: 4
Power Requirements: 12Volts DC @ 300mA

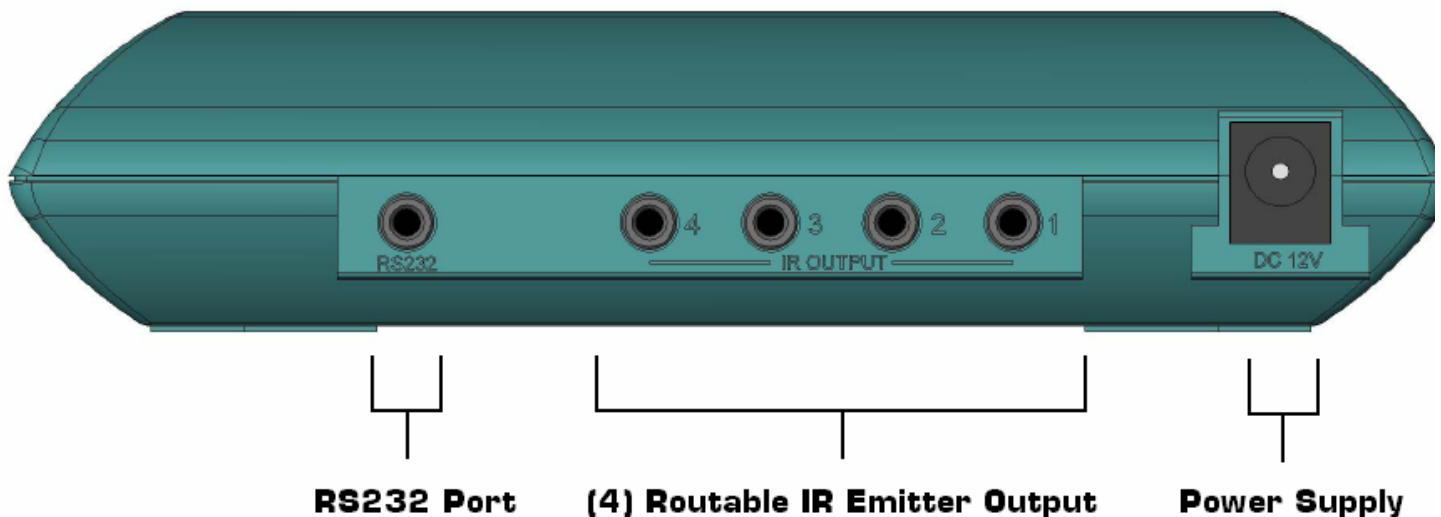
RS232 Port Interface: Tx, Rx, and Gnd
RS232 Adapter: DB9 Male to Stereo 3.5mm Plug

Unit Size: 5.0" x 4.75" x 1.0"
Unit Weight: 4.0 oz
Unit Color: Black with silver logo
RoHS Compliant

Default Network ID: 1

Default RS232 Settings: 9600 BAUD, 8-DATA BITS, 1-STOP BIT, NO PARITY

RF2IR Diagram (Rear)



RF2IR Diagram (Front)



IR LED, RF LED: Flashes when emitting IR and RS232 commands

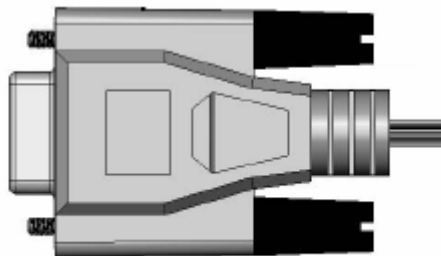
Quick Start Instructions

Step 1. Plug the (4) 283M emitters (included) into the port labeled IR output 1 thru 4 on the back of the RF2IR. Next, place the associated 283M emitter head directly over the IR eye on the proper source component to be controlled.



Step 2. Plug the RS232 Adapter Cable (if required) into the RF2IR port labeled RS232. Next, connect the DB9 plug to the source component to be controlled. In some instances, a null modem converter may be required. Below is a pin-out of the RS232 Adapter Cable.

Pin 2: Rx
Pin 3: Tx
Pin 5: Gnd



Step 3. Plug the power supply into the RF2IR port labeled 12VDC. The IR and RF LEDs will illuminate for 10 seconds. This is part of the start-up sequence. After the LEDs turn 'off', the RF2IR is ready to be used.

Step 4. Follow the XTR39 Instructions, RF2IR Addendum and follow the steps to setup the XTR39.

RF2IR Configuration (Channel Address)

The Channel Address on the RF2IR cannot be programmed using Universal Dragon. Located on the bottom of the RF2IR device is a rotary switch. Turn this switch to select the desired Channel Address. The switch is labeled in HEX notation. "A" stands for Channel Address "10". "B" stands for Channel Address "11". The Channel Address increments with the alphabet until it ends at "F", which is "15".



Locating the RF2IR

Thanks to Xantech's superior antenna design, the RF2IR can be placed in several locations.

Key Location Points:

- The RF2IR should be placed on a flat, stable surface.
- For optimal performance, the RF2IR should be placed at a height greater than 3 feet above the floor. The ideal height should be level to the XTR39 transmitter.
- Avoid placing the RF2IR near corners of a room.
- Avoid placing the RF2IR next to microwave ovens.

Care and Maintenance

Clean the outside of the plastic housing using a soft cloth. Use warm water and mild soap solution. Do not use abrasive cleaners.

Information

FCC NOTICE

* Section 15.19 Labeling requirements

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

* Section 15.21 Information to user

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

* **IMPORTANT NOTE:** To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.



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