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

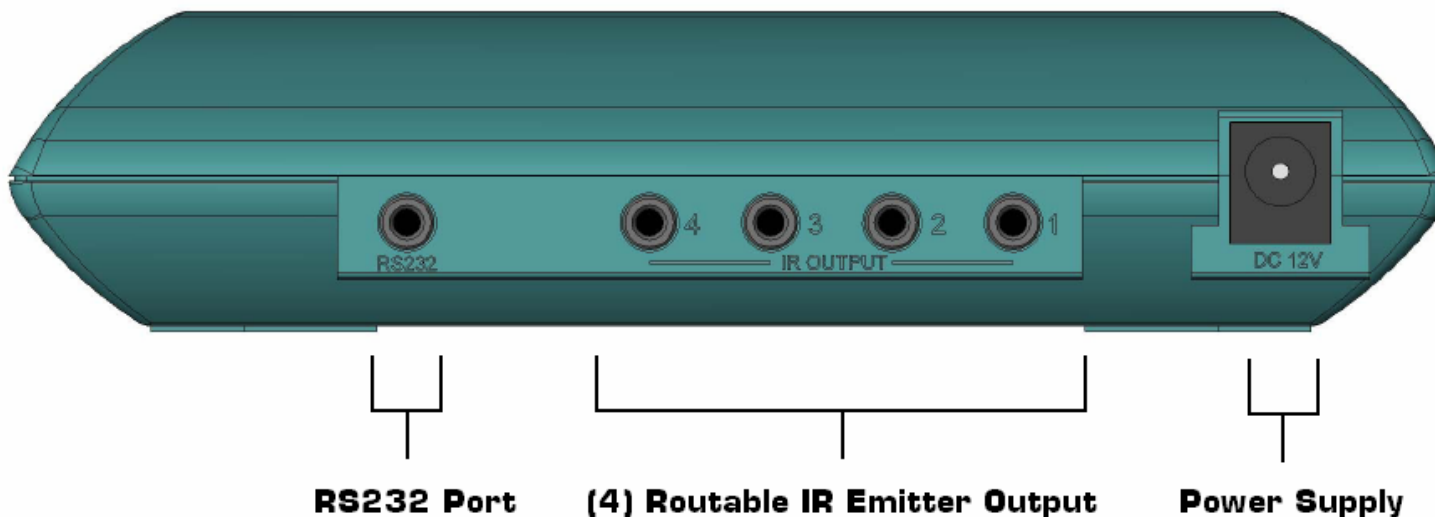Power Requirements: 12Volts DC @ 300mA

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

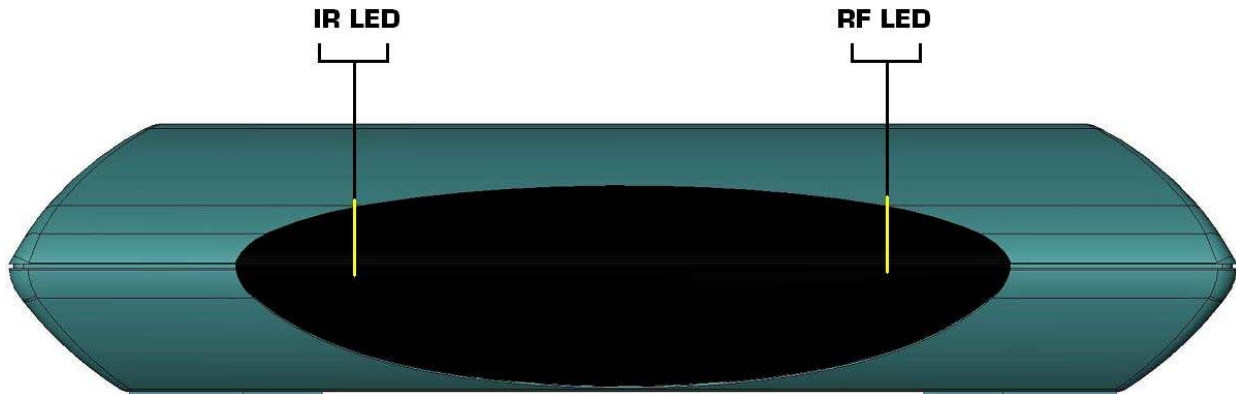Unit Color: Black with silver logo

RoHS Compliant

Default Network ID: 1

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

RF2IR Diagram (Rear)

RS232 Port   **(4) Routable IR Emitter Output**   **Power Supply**

RF2IR Diagram (Front)

IR LED   RF LED

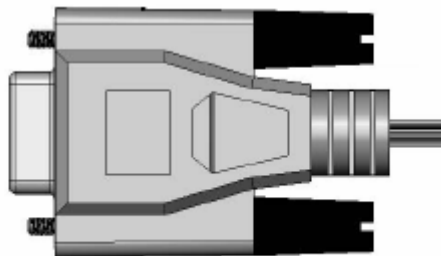IR LED, RF LED: Flashes when emitting IR and RS232 commands

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.

CE 0197

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Xantech Limited Warranty

(Effective for products sold after July 1, 2006)

Xantech Corporation ("Xantech") warrants to the holder of a valid proof of purchase as the first end-user purchaser ("You"), its products to be free from defects in materials and workmanship for the periods specified below from the date of purchase. This limited warranty extends only to You for product purchased and used in the United States of America. For product purchased outside of the United States of America, the terms of this warranty apply EXCEPT that You must contact the Xantech authorized distributor in your region for warranty services. Product is not intended for end user installation. If within the applicable warranty period above You discover such item was not as warranted above and You promptly notify Xantech in writing, Xantech shall repair or replace the items at its option. Xantech may elect which remedy or combination of remedies to provide in its sole discretion. Xantech may use functionally equivalent reconditioned/refurbished/pre-owned or new products or parts under this limited warranty. This warranty shall not apply (a) to product which shall have been installed by other than an authorized Xantech installer, (b) to installed product which is not installed to Xantech's specifications, (c) to product which shall have been repaired or altered by others than Xantech, (d) to charges for installation or set up or adjustment of customer controls, (e) to product that has suffered normal cosmetic deterioration (f) to product which shall have been subjected to negligence, misuse, abuse, accident, or damage by circumstances beyond Xantech's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or any other catastrophic events beyond Xantech's control, or (g) to product which shall have been subjected to improper operation, connected equipment failure or malfunction, inadequate packing or shipping damage, maintenance or storage, or to other than normal use of service. The foregoing warranties do not cover reimbursement for labor, transportation, shipping, removal, installation, or other expenses which may be incurred in connection with repair or replacement. All claims for product shipping damage must be processes within 3 days of receipt by You.

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XANTECH PRODUCT (go to Xantech.com/warranty for model numbers)	WARRANTY DURATION
IR Receivers and IR Emitters	Limited Lifetime
A/V distribution and Control	Limited Lifetime
Remote Control Switchers	Limited Lifetime
Modules and Connecting Blocks	Limited Lifetime
Accessories	Limited Lifetime
Speakers	Limited Lifetime
Volume Controls and Speaker Selectors	5 year Limited
MRC, BX, ZPR and Commercial Products	2 year Limited
Amplifiers	2 year Limited
Control Interfaces	2 year Limited
Hand Held Remote Controls	1 year Limited
SPLCD Product	1 year Limited
Source Components	1 year Limited