

## IRFMR

### IR Flush Mount Receiver

The IRFMR is an essential part of an InfraRed Remote Control Extender System. It includes 4 interchangeable, coloured top covers (black, white, brushed chrome and brass), to match any decor.

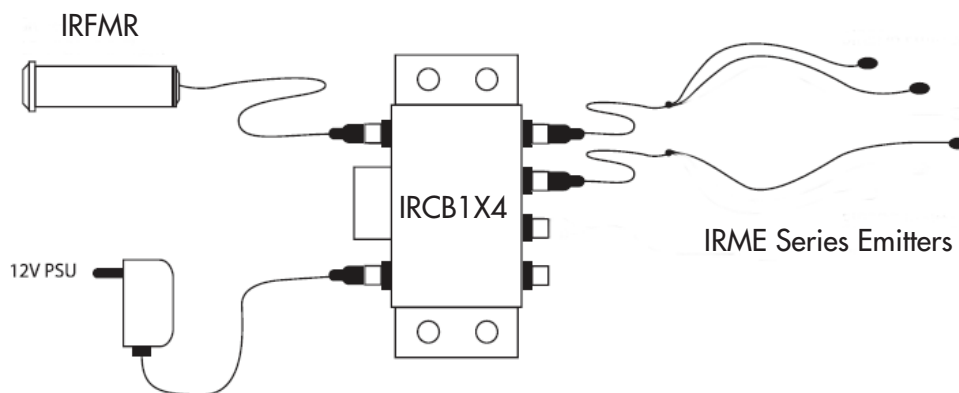
#### How does the IR Link Pro Flush work?

The IRFMR is intended for use in IR control systems where the IRCB1X4 Connecting Block is within reach of the 3-meter cable of the IRFMR IR Receiver, e.g. when installing the IRFMR Kit in a cabinet where the controlled components are behind closed doors, and the IRFMR Flush Receiver can i.e. be mounted into the cabinet, but always within line of sight of your hand held remotes.

#### Installing the IR Link Pro Flush

The IRCB1X4 sockets are colour coded for easy plug & play installation of the IR Receiver and IRME Series Emitters, which have coloured jacks.

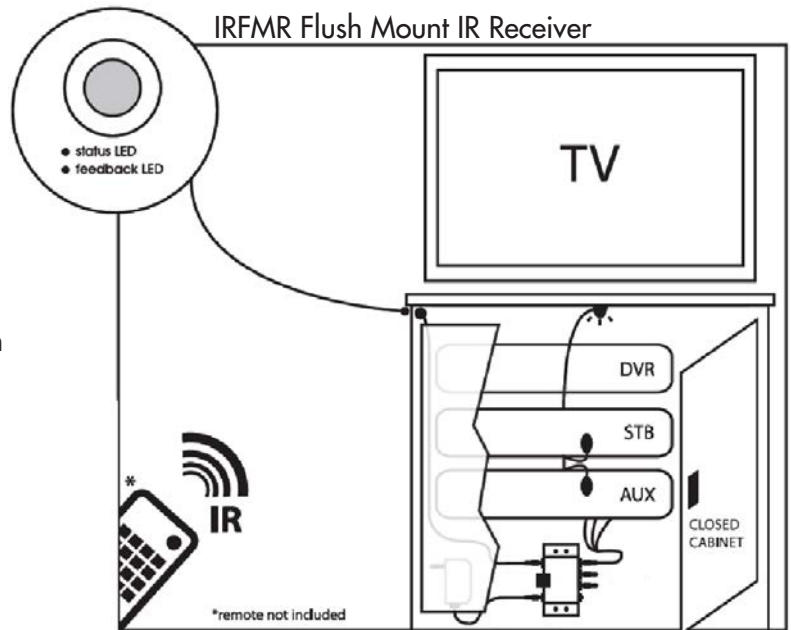
A typical system is shown in Fig. 1 below. Refer to this diagram and the procedure that follows when making connections:



Drill a hole 7/16" diameter (10mm) wide where you wish to position the IR Receiver. Remove the screw-nut, push the receiver cable and thread through the hole with the lens facing into the room (and in line-of-sight of your hand-held remote). Screw the nut back on until tight to hold the IR Receiver in place.

Plug the red mini-plug of the IRFMR Flush IR Receiver into the red labelled "IR RCVR" jack on the IRCB1X4 Connecting Block.

## User's Installation Guide



## Technical information

### IRLPRO FLUSH IR RECEIVER SPECIFICATIONS

- InfraRed modulation frequency bandwidth: 30 - 60 kHz.
- Cable length 10' (3m), extendable to max. 300 meters (UTP or equivalent).
- Red 3.5mm TRRS plug pin configuration from tip to sleeve:
  - Tip = yellow = IR Data
  - Ring 1 = black = Ground
  - Ring 2 = red = +12VDC
  - Sleeve = white = Status
- Reception range: Up to 32 ft, depending on local conditions and remote control used.
- Reception angle: 45 degrees off axis.
- Talkback LED (BLUE). Indicates InfraRed reception only when Emitter(s) are connected.
- Status LED (AMBER). Indicates power status of A/V system
- Maximum number of directly driven IRME Series Emitters: 4 triple Emitters using the IRCB1X4 Connecting Block. Up to six IRFMR Flush IR Receivers may be connected in parallel at the screw terminals input of IR Link IRCB1X4 series connecting blocks. Power requirements: 12 volts DC @ 25 mA. Requires 12VDC Power Supply (included).
- Front bezel diameter: 5/8" (16mm); Overall: 5/8" (16mm) x 2" (50mm)

**NOTE: Unit will not work with certain brands & models that operate at higher frequencies. Contact Technical Support for more information.**

Cable requirements for long lengths to remote rooms:

- 3-conductor, 24AWG/0, 2mm 2 solid or stranded wire up to 50m, 22AWG/0,35mm 2 up to 100m, 20AWG/0,5mm 2 up to 200m and 18AWG/1mm 2 up to 300m (unshielded OK).
- Maximum transmission length: 300m with category cable (UTP, use white striped together for GND, and use 2 solid colours for IR and 2 solid colours for 12VDC). In case of STATUS wiring, use 1 solid wire for IR and 1 solid wire for Status.
- In case of long run un-shielded cable (> 25m), it may be necessary to connect a 470 Ohm 1/8Watt resistor in parallel between IR and GND at the IRCB1X4 Connecting Block.

#### Limited 2 Year Warranty

Current Audio, LLC amplifiers are warranted to be free from defects in materials and or workmanship to the original retail purchaser for a period of 1 year, provided the equipment was purchased and installed from a Current Audio, LLC Authorized Dealer or Distributor.

In the event of defective materials and or workmanship, Current Audio, LLC will repair or replace, at its option, the defective product at no charge to the purchaser. In order to make claim under this Warranty and to obtain performance of any obligation under warranty, please contact Current Audio or your Authorized Distributor. Instructions will be given on how to return the defective product to Current Audio. Returned products must be shipped prepaid. Proof of purchase must be provided with the product.

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