

Xantech Infra Red Remote Control Extender

The Infra red extender consists of four components. There is a 291-10 Infra Red Receiver which is located near the location where you are using the Hand Held Remote Control. You aim the hand held remote control at this receiver.

The 291-10 receiver is wired to a CB12 Connecting Block. This block is located where your Video Projector (or device which you want to control) is. A 781RG power supply and 282-M Dual Infra Red Emitter plug into this block.

286M DUAL BLINK-IR MOUSE EMITTER



This series of mini emitters contain a tiny infrared light emitting diode housed in a miniature, almost black, injection moulded plastic shell. These versatile units can be used in a number of innovative ways.

They are designed to be installed directly on the IR control window of the controlled equipment. The almost black shell passes infrared (IR) leaving access to the original remote controller while at the same time making the most unobtrusive installation possible.

The new mouse emitters are made of a deep purple Lexan® for improved infrared pass-through, allowing a greater range of direct control of components from hand-held controllers. The “M” series emitters also now use a new and improved adhesive that keeps emitters attached to components in even the most harsh conditions.

291-10 HIDDEN LINK IR RECEIVER



The 291 series are small, shelf-top IR receivers with a multitude of applications. Use them as an inexpensive method of repeating IR commands when wall-mounting an IR receiver is not practical. As with all Xantech IR receivers, the 291 can tie into multi-room IR extension systems.

FEATURES

- . Attractive case for shelf-top locations.
- . Red talkback LED tests system for correct wiring as well as indicating infrared reception.
- . Nominal reception angle: 45 degrees off axis.
- . Attached 7' cable and 3.5 mm stereo mini plug permits direct plug-in to Xantech Connecting Blocks that have an "IR RCVR" or "AUX" jack, such as the CB12, CB20, CB60, 789-44, 791-44, etc.
- . Cable requirements for long lengths: Three-conductor/24 gauge up to 200', 22 gauge up to 600', 20 gauge up to 2000' and 18 gauge up to 5000' (unshielded OK).
- . Maximum cable length: One mile with 18 gauge.
- . Maximum current output: 100 milliamps.
- . Maximum number of directly driven IR emitters:
Up to four connected in series. (Use Xantech Connecting Blocks for emitter expansion).
- . Power: 12 volts DC @ 10 milliamps.
781RG Power Supply required.
- . Dimensions: 3 1/4" x 1" x 2" (83mm x 26mm x 51mm)
- . Includes a CB12 Connecting Block.

CB12 ONE ZONE CONNECTING BLOCK



Connects one emitter port and power supply to Xantech IR Receivers that use a stereo mini plug.

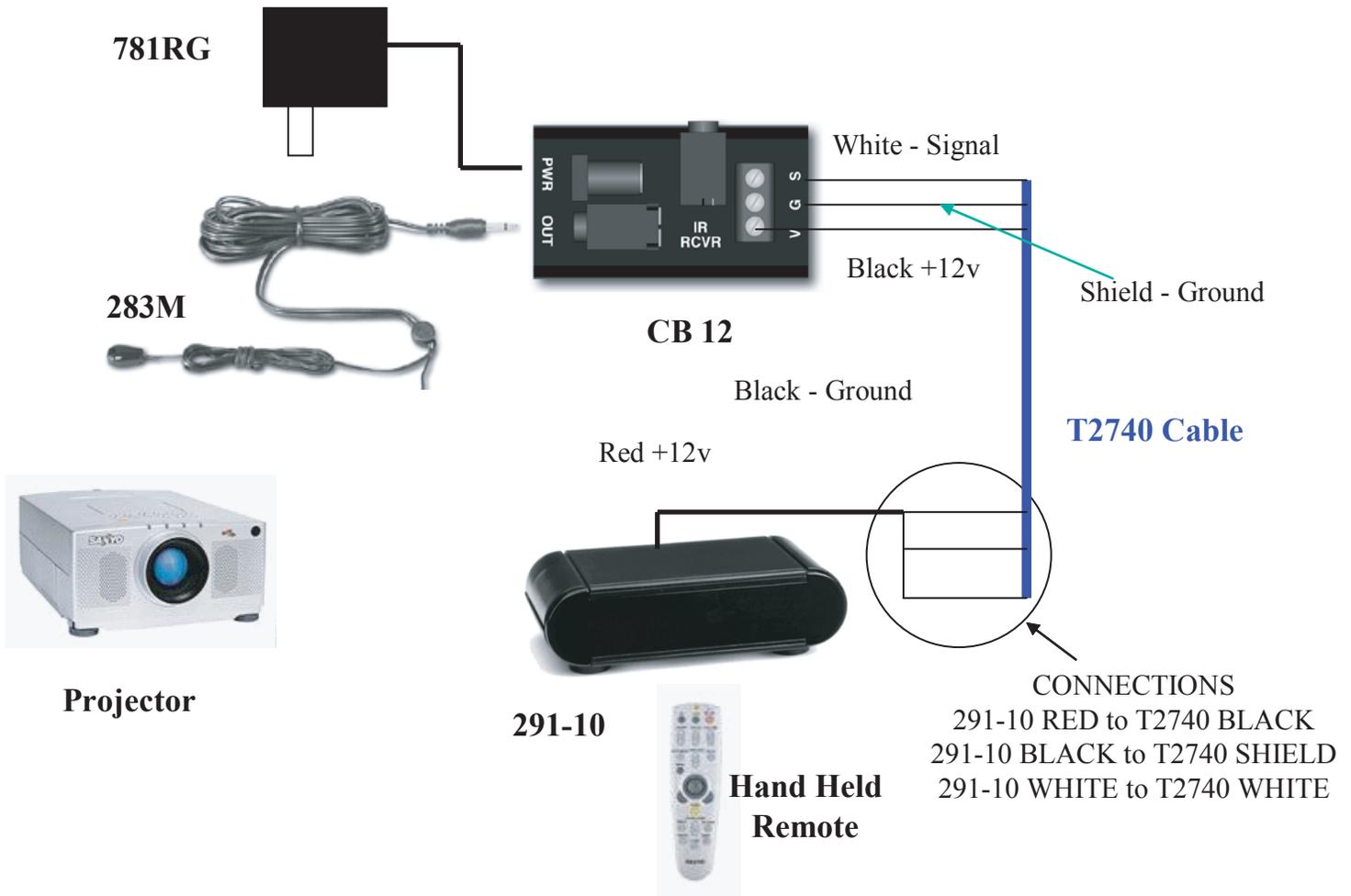
- . Also includes a 3-terminal block for wired connection of Xantech IR Receivers and Smart Pads.
- . 3.5 mm stereo mini jack for quick-connect IR receivers.
- . 3.5 mm mono mini jack for 1 single or 1 dual emitter.
- . 2.1 mm coaxial power jack
- . Uses either the 781RG or 782-00 power supply.
- . Dimensions: 2 1/8" x 1 1/4" x 3/4" (54mm x 32mm x 19mm)

781RG POWER SUPPLY

Regulated 12V DC for most Xantech remote control devices (marked rating is 12 Volts, 200 mA).

- . Powers basic Xantech IR systems.
- . Uses 2.1mm coaxial plug.

Xantech 291-10 Installation



Peel off the tape covering and attach the 283M IR emitter to the video projector IR sensor (or attach it near the projector so that it shines on the sensor). You can use either the front or the rear sensor on the projector. Plug the 283M into the "OUT" jack in the CB12 connection block. Also plug the 781RG power supply into the "PWR" jack in the CB12. Do not apply power until everything is connected.

The 291-10 IR receiver needs to be located in the remote location where you want to use the your projector hand held remote control. Be sure to remove the protective soft plastic on the front of the 291-10 sensor if it is present. Cut the existing mini phone connector off the wire on the 291-10 and strip the wires on it as well as on both ends of the T2740 cable. Connect the BLACK wire from the 291-10 to the SHIELD of the T2740 cable which will be used to connect the 291-10 to the CB12. Connect the White wire of the 291-10 to the White T2740 wire. Connect the Red wire from the 291-10 to the Black wire of the T2740.

At the CB12 end connect the T2740 White to the "S" terminal, the Shield to the "G" terminal and the Black to the "V" terminal.

Double check your wiring to make sure it is correct. If it is wrong you can damage the unit. Once you are ready, plug in the power supply and you are ready to go. Point your remote control at the front of the 291-10 and it will send the signal to the projector