

INSTALLATION INSTRUCTIONS

286M

DUAL BLINK-IR™ MOUSE EMITTER

DESCRIPTION

The 286M Dual Blink-IR Mouse Emitter contains small infrared LED's housed in miniature, mouse shaped, black appearing, injection molded plastic shells. Unlike other emitters, the 286M emits visible red light in addition to IR (infrared) control signals when activated by IR commands sent to it by IR receivers or other Xantech controllers. The emitters of the 286M are wired in series and are designed to be installed directly on the IR sensor windows of the controlled components.

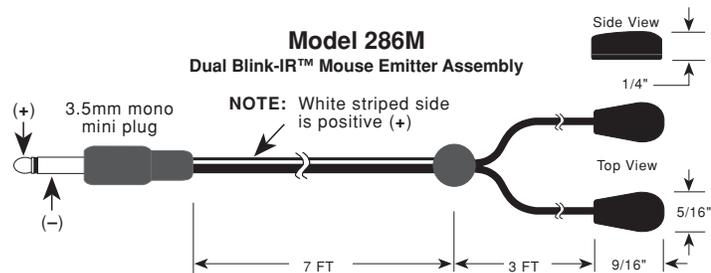


Fig. 1

INSTALLATION

ATTACHING THE EMITTERS TO IR SENSOR WINDOWS

- Each emitter has a clear adhesive layer on the bottom flat surface of the shell. The rounded side faces the user and emits visible red light when a command is sent (**Fig. 2**).
- Simply peel off the adhesive cover and affix the emitter to the center of the IR sensor window on the controlled component's front panel.

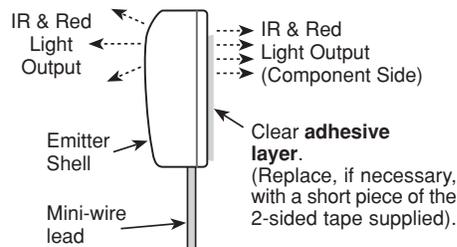


Fig. 2

- In some cases it may be difficult to find the location of the IR sensor on the component. Consult the owner's manual of the unit, or the manufacturer, for the exact IR sensor window location.
- Double-sided adhesive tape is included. If you remove the emitters for any reason, use this tape to replace the current adhesive layer for best adhesion.
- The shells, though dark in appearance, are transparent to infrared light, allowing commands from a hand-held remote control to pass through them. This permits direct control of the equipment from a hand-held remote as well as from the 286M's.

BLACK (IR OPAQUE) MOUSE SHIELD

- An **optional** shield, available from Xantech as model **MS-1**, fits over the 286M shells and the sensor window (**Fig. 3**) of the controlled component. It prevents unwanted external IR signals from passing through or leaking past it.
- Use the MS-1 when you want the equipment to respond only to the 286M, such as in zone controlled systems.
- Install it according to the instructions that come with the MS-1.

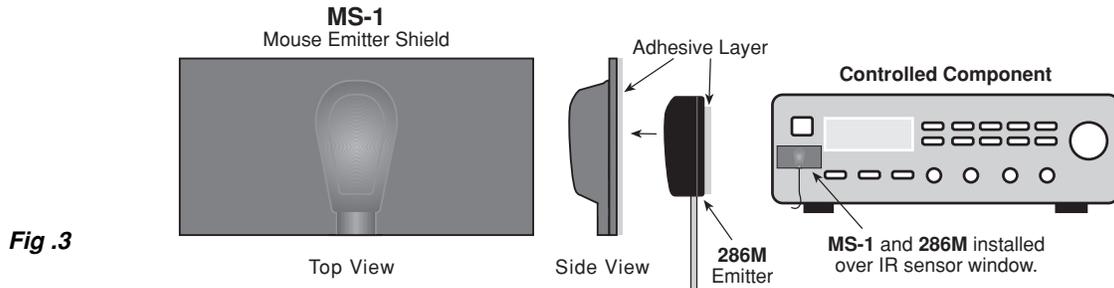


Fig. 3

CONNECTING THE EMITTERS

- Simply insert the mono mini plug of the 286M into the "EMITTERS" or "OUT" jacks on any of the Xantech Connecting Blocks or Controllers.
- **CAUTION: DO NOT plug emitters into the IN/OUT or HIGH OUT jacks on the 790-00 and 791-44 Connecting Blocks.** To do so will destroy the emitters!
- The 286M will control two devices. If only one is used, hide the extra emitter. It can be used in the future if an extra device is added.
- **DO NOT CUT** the extra emitter wire in an attempt to remove it. The two emitters are wired in series. Cutting or removing one emitter will prevent the other from working.
- Since the 286M emitters show visible red light, they will also indicate the presence of stray IR or RF interference by randomly blinking when no IR control signal is being sent. Reposition the IR receiver or the interfering source to eliminate or reduce the random blinking. The more the random blinking is reduced, the better the system will function.
- **Fig. 4** illustrates a typical basic system using 286M emitters

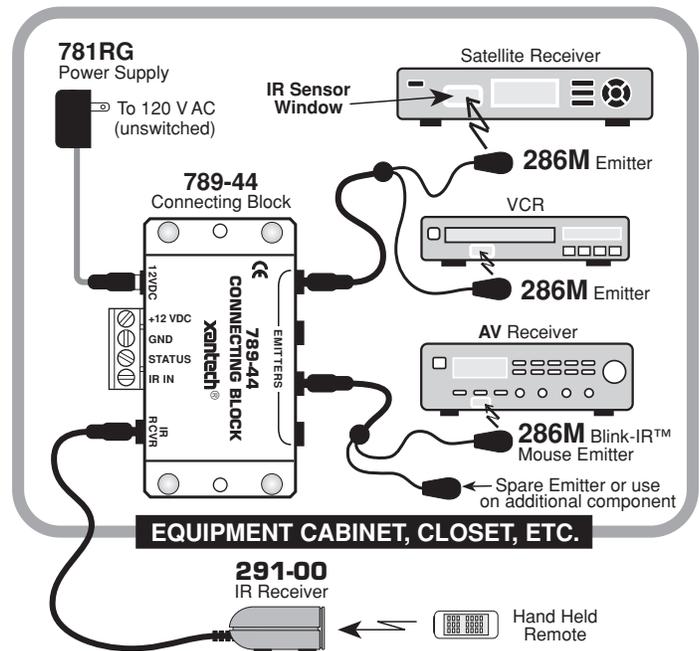


Fig. 4