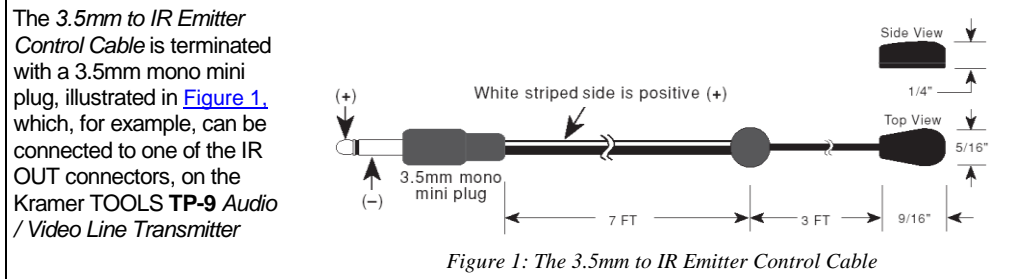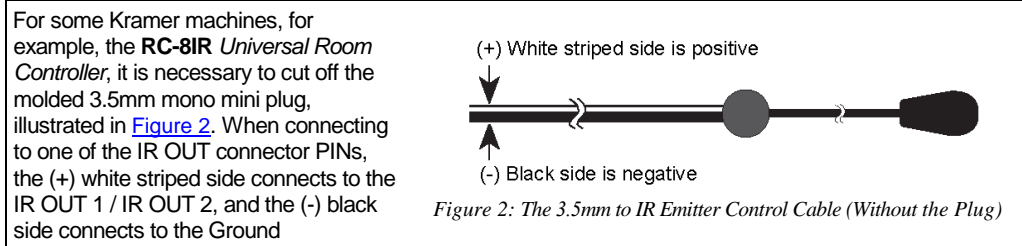## 3.5mm to IR Emitter Control Cable (C-A35/IRE-10)
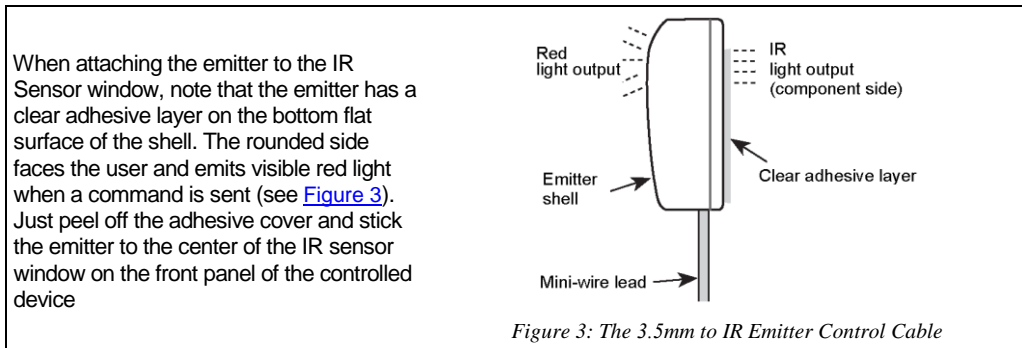
Congratulations on purchasing your Kramer *3.5mm to IR Emitter Control Cable* (C-A35/IRE-10), which is designed to be installed directly on the IR sensor window of the controlled device. It contains a small infrared LED housed in a miniature, mouse shaped, black plastic shell. It emits visible red light in addition to IR (infrared) control signals when activated by IR commands sent to it by IR receivers or other controllers. The *3.5mm to IR Emitter Control Cable* comes with a clear adhesive film included on the emitter housing for attachment to the IR window of the controlled component and pieces of double-sided clear adhesive tape included for replacement purposes.

The *3.5mm to IR Emitter Control Cable* is terminated with a 3.5mm mono mini plug, illustrated in Figure 1, which, for example, can be connected to one of the IR OUT connectors, on the Kramer TOOLS **TP-9** *Audio / Video Line Transmitter*

Figure 1: The 3.5mm to IR Emitter Control Cable

When connecting the 3.5mm to IR Emitter Control Cable to one of the two optional IR Emitter Extension Cables, connect the 3.5mm mono mini plug to the 3.5mm female mono mini connector.

For some Kramer machines, for example, the **RC-8IR** *Universal Room Controller*, it is necessary to cut off the molded 3.5mm mono mini plug, illustrated in Figure 2. When connecting to one of the IR OUT connector PINs, the (+) white striped side connects to the IR OUT 1 / IR OUT 2, and the (-) black side connects to the Ground

Figure 2: The 3.5mm to IR Emitter Control Cable (Without the Plug)

Attaching the Emitter to the IR Sensor Window

When attaching the emitter to the IR Sensor window, note that the 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 (see Figure 3). Just peel off the adhesive cover and stick the emitter to the center of the IR sensor window on the front panel of the controlled device
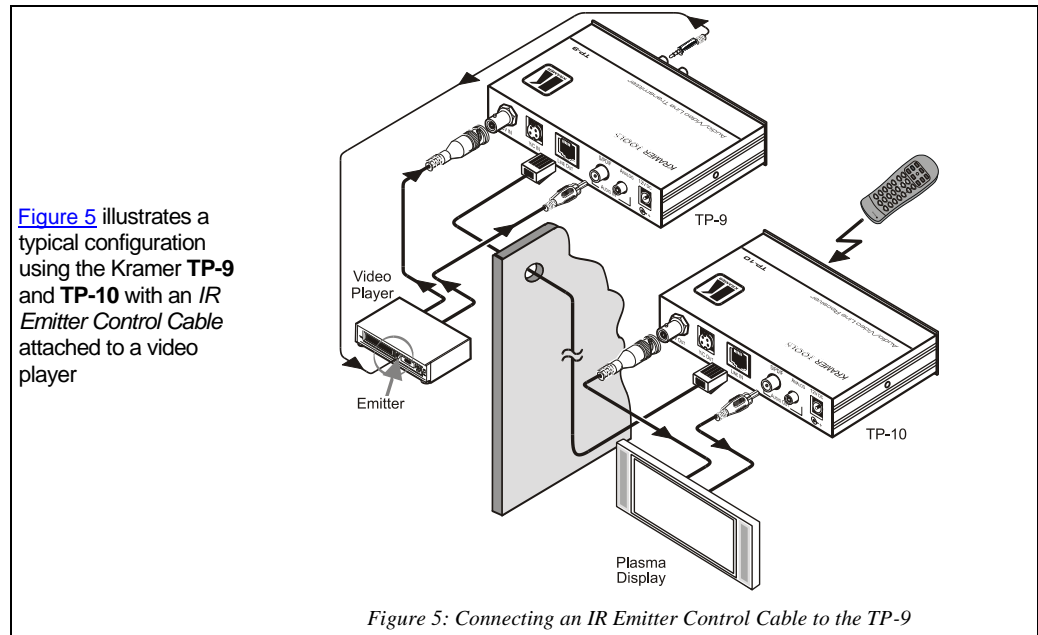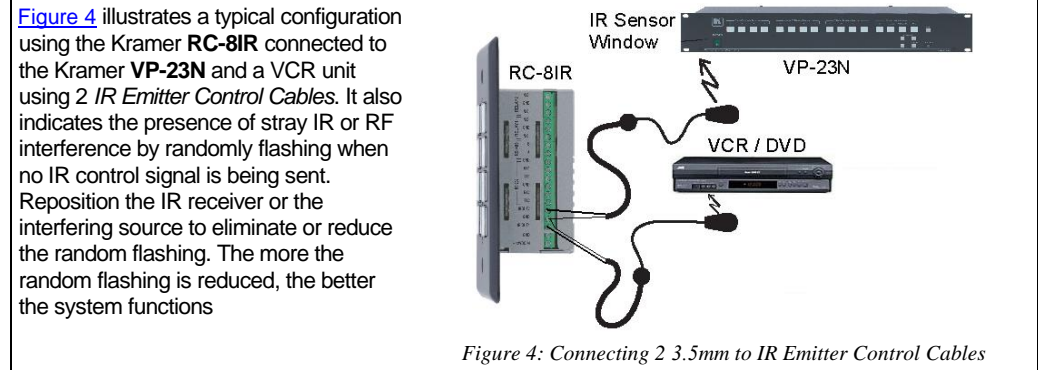

Figure 3: The 3.5mm to IR Emitter Control Cable

Refer to the relevant device's user manual if you have difficulty finding the exact location of the IR sensor window on the device. Note that:

- Double-sided adhesive tape is provided. If you decide to move the emitter to a different device, use this adhesive tape to replace the current adhesive layer for best adhesion

- The Emitter shell, although dark in appearance, is transparent to infrared light. Consequently, commands from a handheld remote control may pass through it. This enables direct control of the equipment from a handheld remote transmitter, as well as from the Emitter

CONNECTING THE EMITTERS

Note: You must disconnect the power to the device before connecting or disconnecting the IR Emitter control cable.

Figure 4 illustrates a typical configuration using the Kramer **RC-8IR** connected to the Kramer **VP-23N** and a VCR unit using 2 *IR Emitter Control Cables*. It also indicates the presence of stray IR or RF interference by randomly flashing when no IR control signal is being sent. Reposition the IR receiver or the interfering source to eliminate or reduce the random flashing. The more the random flashing is reduced, the better the system functions

Figure 4: Connecting 2 3.5mm to IR Emitter Control Cables

Figure 5 illustrates a typical configuration using the Kramer **TP-9** and **TP-10** with an *IR Emitter Control Cable* attached to a video player

Figure 5: Connecting an IR Emitter Control Cable to the TP-9

A Kramer *3.5mm to Dual IR Emitter Control Cable* (C-A35/2IRE-10) is also available. In addition, two IR Emitter Extension Cables are also available: a 15 meter cable and a 20 meter cable.

3.5mm to IR Emitter Control Cable Installation Instructions

C-A35/IRE-10

P/N: 2900- 000172   Rev: 2

Kramer Electronics, Ltd.