



**Internal IR Connection  
Kit  
C-IRR/HDR4F-Kit  
Installation Instructions**

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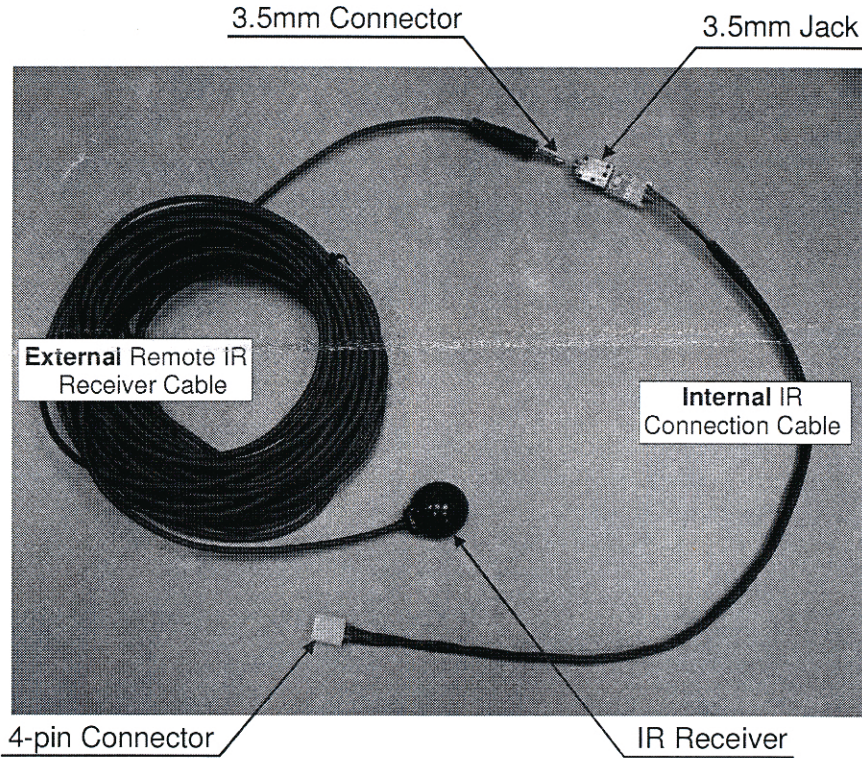
*P/N: 2900-000271 REV 1*

## Installing the Internal IR Connection Kit (C-IRR/HDR4F Kit)

This kit (illustrated below) includes the following items:

- An Internal IR Connection cable (**Kramer P/N: 505-70434010-S**)
- A 15 meter External Remote IR Receiver cable (**Kramer P/N: 95-0104050**)

The distance between the remote controller and the machine can be extended to up to 60 meters using the optional Kramer Stereo cables, 15 meters each (**Kramer P/N: 95-0103050**).



The Internal IR Connection cable is an internal cable, connecting between the IR circuit and an external IR receiver. On one side it has a 3.5mm jack which fits through a 6.4mm hole on the rear panel that lets you connect the External Remote IR Receiver cable. The other side of the cable has a 4-pin connector that fits on a 4-pin header on the IR circuit.

Once connected, the Kramer machine can be controlled from a distance (the IR Receiver cable is 15 meters long). This distance can be further extended (up to 60 meters) by using Kramer Stereo cables, 15 meters each (P/N 95-0103050).

## Installing the Internal IR Connection Cable

To install the Internal IR Connection cable:

1. Disconnect the power on the Kramer machine, by removing the power cable.
2. Remove the screws from the machine cover.
3. Take off the cover.
4. Remove the plastic cover from the 6.4mm hole on the rear panel.
5. Unscrew the nut on the Internal IR Connection cable.
6. Insert the cable through the hole and replace the nut on the outside of the rear panel (you may tighten the nut gently using a pair of pliers), securing the cable to the panel.
7. On the IR circuit (located beside the POWER ON/OFF switch), remove the jumper connected to the two middle PINs on the 4-pin header.
8. Connect the Internal IR Connection cable to the 4-pin header.
9. Replace the cover.
10. Connect the power cable.

## Electrical Check

To make sure that the Internal IR Connection cable is properly connected, do the following:

1. Turn the machine ON.
2. Using the machine's remote controller, check the response of the built-in IR receiver.
3. Turn the machine OFF.
4. Connect the 3.5mm plug of the External Remote IR Receiver cable to the 3.5mm jack on the rear panel.
5. Turn the machine ON.
6. Place the IR Receiver away from the machine (to make sure that you operate the machine via the Remote IR receiver and not the built-in one).

Once the Remote IR Receiver cable is connected, the built-in front panel IR receiver is disabled

7. Point the remote control transmitter at the IR Receiver and press a few buttons to make sure that it works properly. Every time you press the remote control buttons, the LED in the Remote IR receiver and the LED in the built-in IR receiver blink. If the built-in receiver fails to blink you must replace the kit.

If the Kramer machine does not have a 4-pin header on the IR module, it should be replaced with the new version IR module with header.