

Describing the IR Modulator/Demodulator

The IRD is bidirectional and is designed to be part of a chain of signal transmission where an IR signal must be modulated or demodulated to accommodate devices that require either a modulated or a demodulated signal, such as, the TP-574, TP-573, or a Kramer RC series room controller.

The IRD is powered externally by a compatible device, for example, the TP-573. Power is received via the female, 3.5mm mini jack socket on the IRD.

Connecting the IR Modulator/Demodulator

The IRD can be connected as shown in [Figure 1](#).

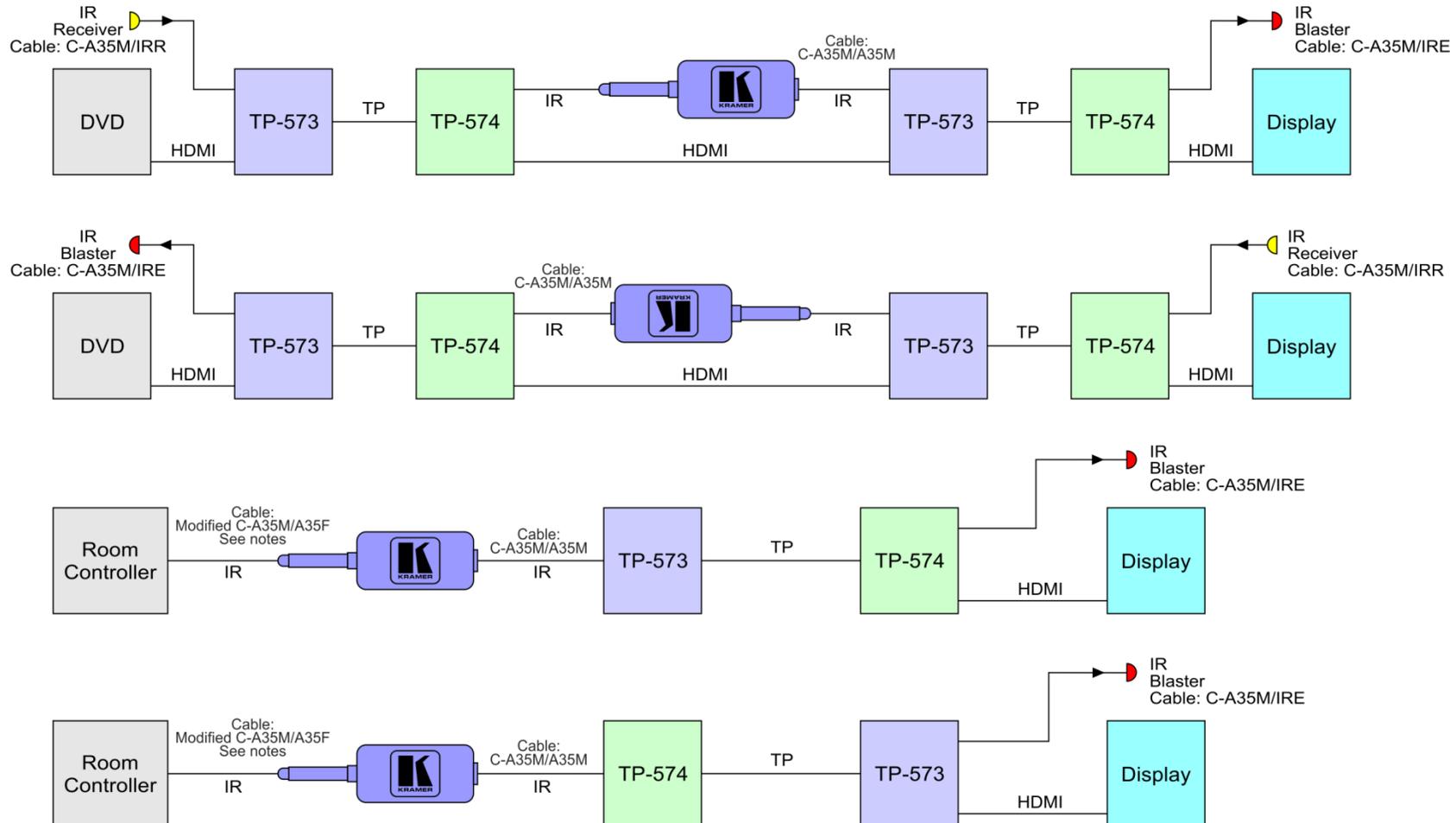


Figure 1: The IR Modulator/Demodulator Example Connection Diagrams

Compatibility

The IRD is compatible with the following Kramer devices:

- TP-573 and TP-574
- TP-581 and TP-582
- SL, RC and PL series

Modifying a Cable to Connect to a Room Controller

Connecting to a Room Controller with a terminal block connection requires a custom cable.

To connect to a Room Controller using the IRD:

1. Cut the male 3.5mm mini jack connector from a C-A35M/A35F cable.
2. Separate the two wires and strip approximately 7mm of insulation from the two wires.
3. Connect the wire with the stripe to the IROUT terminal block on the Room Controller.
4. Connect the wire with no stripe to the GND terminal block on the Room Controller.

Technical Specifications

INPUTS/OUTPUTS:	1 3.5mm mini jack (M) 1 3.3mm mini jack (F)
FREQUENCY:	38kHz
POWER CONSUMPTION:	3.3V DC, 25mA
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F)
HUMIDITY:	10% to 90%, RHL non-condensing
DIMENSIONS:	4.6cm x 1.7cm x 1.4cm (1.81" x 0.67" x 0.55") W, D, H
WEIGHT:	0.028kg (1oz) approx.
OPTIONS:	C-A35M/IRR—IR Receiver cable 50ft C-A35M/IRE—IR Emitter cable 10ft C-A35M/A35M—Extension cable 50ft C-A35M/A35F—Extension cable 50ft (to be modified to connect to a Room Controller)



KRAMER ELECTRONICS LTD.

Installation Instructions

IR Modulator/Demodulator Installation Instructions

For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to these installation instructions may be found

We welcome your questions, comments, and feedback.

Web site: www.kramerelectronics.com
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For more detailed information regarding this product scan the QR code



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