

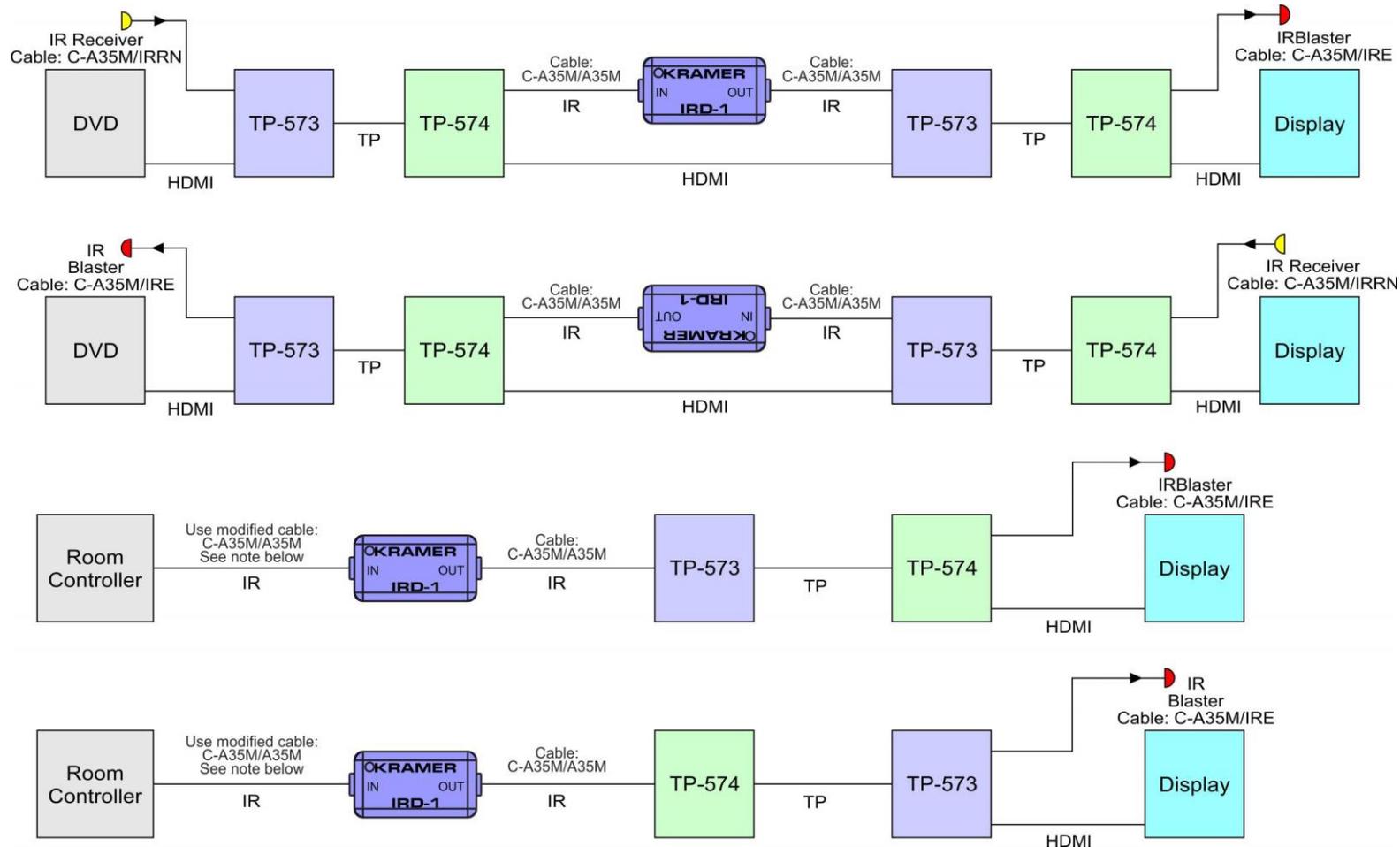
## The IRD-1 Modulator/Demodulator

The **IRD-1** is bidirectional IR modulator/demodulator. It 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**, other Kramer IR extender transmitter/receiver, or a Kramer RC series room controller.

The **IRD-1** is powered externally by a compatible device, for example, the **TP-573**. Power is received via the 3.5mm mini jack sockets on the **IRD-1**.

## Connecting the IRD-1 Modulator/Demodulator

The **IRD-1** can be connected as show in the following examples:



## Compatibility

The **IRD-1** is compatible with Kramer range extenders that have IR in/out (including Kramer modular matrices) and room controllers of SL, RC and PL series that have IR out.

## 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**:

1. Cut the male 3.5mm mini jack connector from a **C-A35M/A35M** 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 IR OUT 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:	2 3.3mm mini jacks (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:	1.5cm x 2.8cm x 1.3cm (0.6" x 1.1" x 0.5") W, D, H
WEIGHT:	0.028kg (1oz) approx.
OPTIONS:	C-A35M/IRRN—IR Receiver cable 3ft and 50ft C-A35M/IRE—IR Emitter cable 10ft C-A35M/A35M—Extension cable 50ft



KRAMER ELECTRONICS LTD.

# Installation Instructions

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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](http://www.kramerelectronics.com)  
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For more detailed information regarding this product scan the QR code



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