

DigitalMedia™ CAT Repeater

- > DigitalMedia™ CAT repeater
- > Enables up to 450 ft (137 m) DM® cable length^[1]
- > Regenerates the digital signal for error-free delivery
- > Passes all AV, control, networking, and power signals supported by DigitalMedia
- > Allows quick, easy setup and diagnostics
- > Low-profile design mounts to a 2-gang, 4" square, or UK wall box
- > Powered over the DMNet® connection

The DM-DR is designed for use with DM® CAT transmitters and receivers to enable extended cable lengths up to 450 ft (137 m)^[1]. Up to 2 repeaters per DM device may be required. Please consult the spec sheet for each DM CAT device to confirm actual capabilities.

Its low-profile design allows the DM-DR to be installed discreetly in an equipment closet or similar space. It mounts to a standard 2-gang, 4" square, or UK electrical box using the mounting bracket provided, affording a clean installation that protrudes a mere 1-1/8" inches from the mounting surface. All connections are made on the rear panel within the electrical box. An array of indicators is provided on the front panel for easy setup and troubleshooting.

Please refer to the DigitalMedia Resources Webpage at <http://www.crestron.com/dmresources/> for additional design tools and reference documents.

SPECIFICATIONS

Connectors

DISPLAY D & M: (1) DM CAT output composed of (2) 8-pin RJ45 female, shielded; Connects to DM CAT input of a DM receiver/room controller, switcher, or other DM device via DM-CBL cable^[1]

DISPLAY 24 A B G: (1) 4-pin 3.5mm detachable terminal block, DMNet port; Connects to DMNet port of a DM receiver/room controller, switcher, or other DM device via DM-CBL cable^[1]

SOURCE D & M: (1) DM CAT input composed of (2) 8-pin RJ45 female, shielded; Connects to DM CAT output of a DM switcher, transmitter, or other DM device via DM-CBL cable^[1]

SOURCE 24 A B G: (1) 4-pin 3.5mm detachable terminal block, DMNet port; Connects to DMNet port of a DM switcher, transmitter, or other DM device via DM-CBL cable^[1]



DM-DR – Front & Rear Views

Controls & Indicators

PWR: (1) green LED, indicates operating power supplied via DMNet

DM LINK: (1) green LED, indicates DM link status

VIDEO: (1) red/green dual-color LED, indicates video signal presence and lock status

Power Requirements

DMNet Power Usage: 3 Watts (0.125 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 104°F (5° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 10 BTU/hr

Enclosure

Chassis: Metal with black finish

Mounting: Mounts to a 2-gang electrical box, 4" square box, or 1-gang UK (BS 4662) electrical box

Dimensions

Height: 4.92 in (125 mm)

Width: 5.25 in (134 mm)

Depth: 1.40 in (36 mm)

Weight

16.0 oz (454 g)

DM-DR DigitalMedia™ CAT Repeater

MODELS & ACCESSORIES

Available Models

DM-DR: DigitalMedia™ CAT Repeater

Notes:

1. For DigitalMedia CAT wiring, use [DM-CBL](#) DigitalMedia Cable. Up to two DM CAT Repeaters may be required per DM CAT device. Actual total and incremental cable lengths depend upon resolution requirements and capabilities of the connected DM CAT devices. Refer to the respective product spec sheets and the [Crestron DigitalMedia Design Guide, Doc. #4546](#) for complete system design guidelines.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

Specifications subject to change without notice. Crestron is not responsible for errors in typography or photography.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Crestron, DigitalMedia, DM, DMNet, and the Crestron logo are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. ©2012 Crestron Electronics, Inc.

