

DM-TX Series

DigitalMedia™ Transmitters

1 Before Starting



CAUTION: Do not connect power cords until instructed to do so.

NOTE: Before beginning any of these QuickStart procedures, make certain that all DigitalMedia™ cables are installed throughout the home.

2 Mounting

The DM-TX-100/100-F has attached mounting brackets and is designed to be mounted on a flat surface or attached to a rack rail in the back of an equipment cabinet. It may also be used portably for connection to a wall plate input, and is compact enough to fit discreetly inside a presentation lectern or beneath a table.

The DM-TX-200, supplied with a mounting bracket and attaching screws, is designed to be mounted on a flat surface and can even be concealed inside a raceway.

The DM-TX-300N/300N-F is designed to be mounted in an equipment rack using supplied “ears.” These ears must be installed prior to mounting the unit. The only tool required is a #2 Phillips screwdriver.

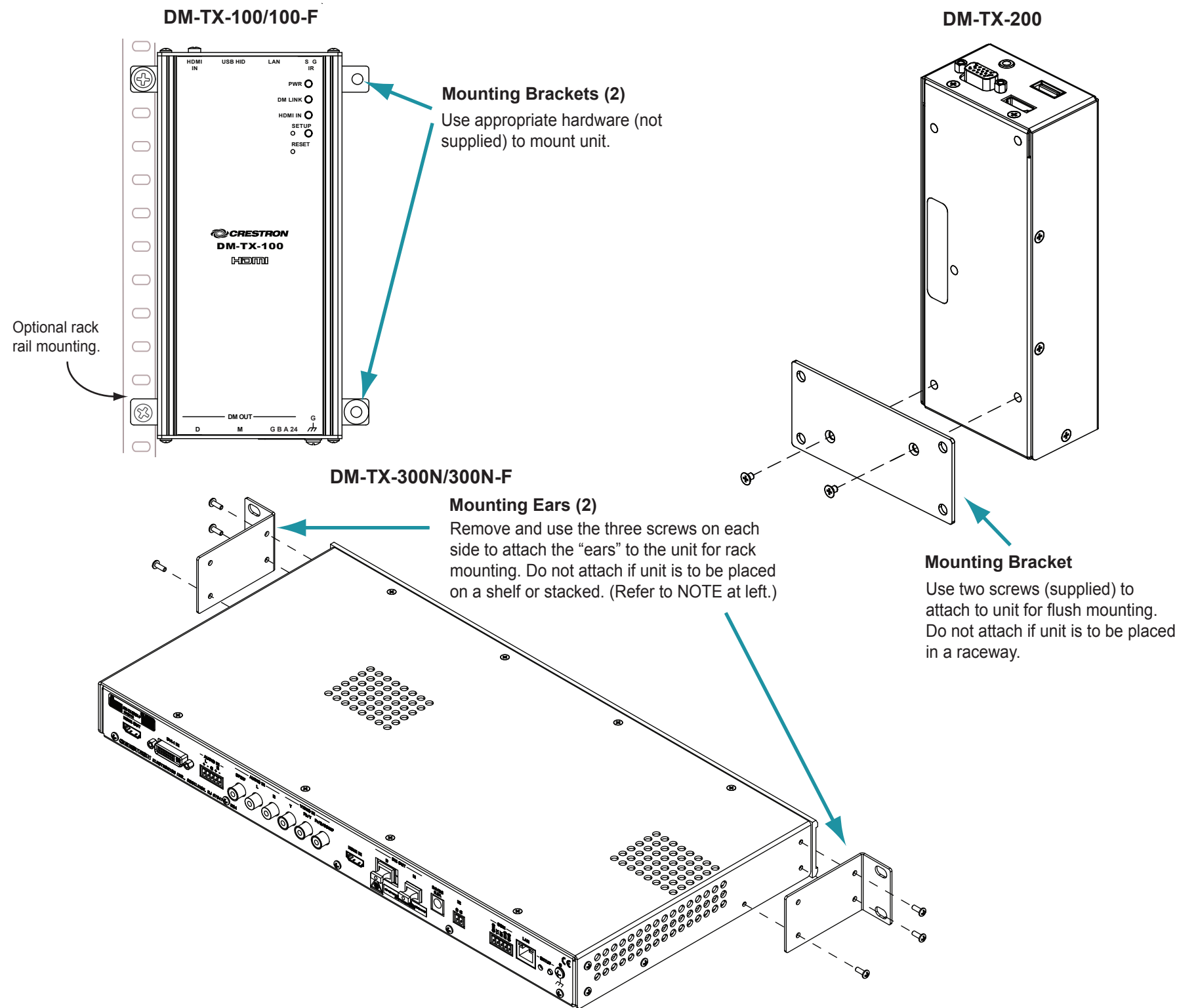


WARNING: To prevent bodily injury when mounting or servicing this unit in a rack, take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety:

- When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.
- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

NOTE: If rack mounting is not required, rubber feet are provided for tabletop mounting or stacking. Apply the feet near the corner edges on the underside of the unit.

NOTE: Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).



DM-TX-Series

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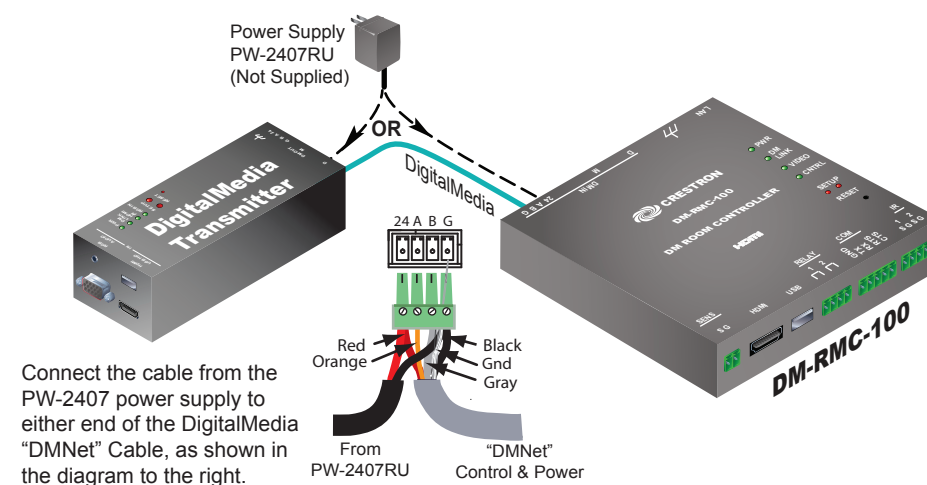
3 Connecting to DigitalMedia Room Controller or DigitalMedia Switcher

Using a DigitalMedia™ cable (DM-CBL-P or DM-CBL-NP), connect the transmitter(s) directly to a DigitalMedia Room Controller (if required, first connect to a DigitalMedia Repeater and then connect the output of the repeater to a room controller), or connect the transmitter(s) to a DigitalMedia Switcher (via a DMC-CAT/DMC-F interface card).

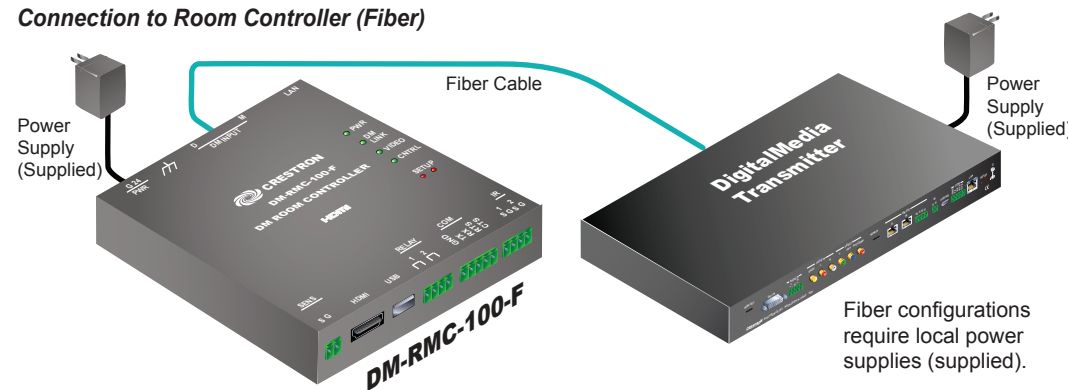
NOTE: DigitalMedia cable should have a minimum length of 15 feet (4.6 meters).

- Configurations with a transmitter connected to a room controller require a power supply, PW-2407RU, connected either to the transmitter or to the room controller. For configurations using DM CAT cables, the power supply must be purchased; for configurations using fiber cable, the power supply is provided.
- Configurations with a DigitalMedia Switcher may not require an additional power supply; the switcher typically supplies power for the transmitter. Use the Crestron Power Calculator to verify that there is enough DMNet power on the switcher.
- For detailed instructions on the DigitalMedia Room Controller (DM-RMC-100 and DM-RMC-100-F) or the DigitalMedia Switcher, refer to the latest version of their respective guides (Doc. 6743, 6744, and 6755) which can be obtained from the Crestron website (www.crestron.com/manuals).

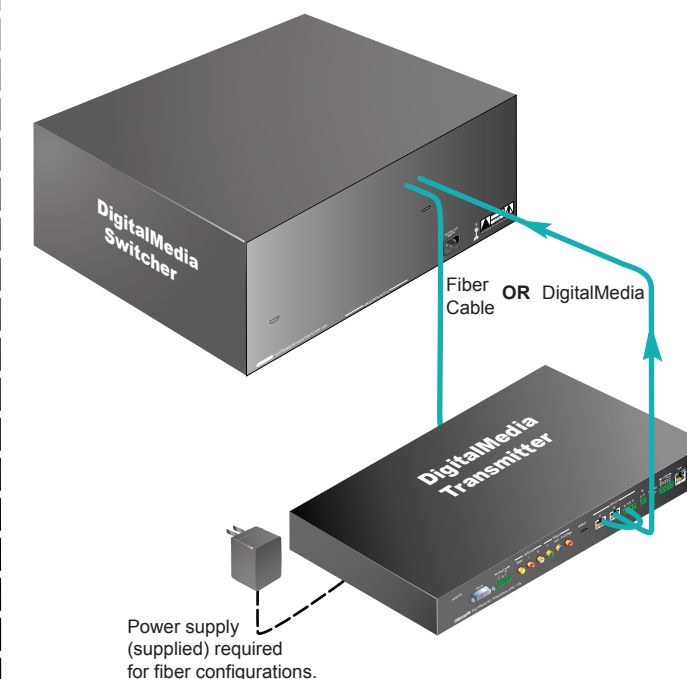
Connection to Room Controller (DM CAT)



Connection to Room Controller (Fiber)



Connection to DigitalMedia Switcher



4 Connecting AV Sources, Outputs, and Verifying Signals

Check that the DM input of the room controller or DigitalMedia Switcher are connected to the transmitters, and connect/turn on power. Check the transmitter LEDs, the output display, and verify the signal settings.

- Check the room controller **PWR** LED (on/green).
- Check the **DM LINK** LED (on/green).
- Check that the **VIDEO** LED is on/green when a video signal is detected.

The DM-TX-100/100-F does not have video switching because there is only one AV input.

The DM-TX-200 has auto routing functionality by default:

- If no signal is present on **HDMI IN**, **RGB IN** and **AUDIO IN** will be routed.
- If a signal is present on **HDMI IN** and no audio is embedded in the video, (i.e., a DVI signal) **HDMI IN** video and **AUDIO IN** audio will be routed.
- If a signal is present on **HDMI IN** with audio embedded in the signal, **HDMI IN** audio and video will be routed.

The 300N/300N-F have front panel controls for making selections.

5 Setting Up Ethernet

Setup of the IP address for the DigitalMedia transmitters depends on the way the transmitters are configured within the DigitalMedia system.

- Transmitters connected to a room controller use their own configuration settings. The units ship in *DHCP* mode, but the following static addresses can be set on the units by holding the **SETUP** button depressed while the unit boots up:
 - The DM-TX-100, 200, and 300 series units default to 192.168.1.231/232/233.
 - The DM-RMC-100/100-F defaults to 192.168.1.241/242.

NOTE: This process overwrites any current settings. Also, for the DM-TX-100/100-F, the USB console is enabled and HID functionality is blocked until reboot.

- Transmitters connected to a DigitalMedia Switcher are configured automatically by the switcher.
- With a PC connected as shown in the diagram below, use Crestron Toolbox™ to set the IP addresses of the transmitter and room controller or DigitalMedia Switcher.

