

DM-MD6X4/DM-MD6X6

DigitalMedia™ Distribution Center

1 Connections

To connect the Crestron® DM-MD6X4 or DM-MD6X6, refer to the information below and to the illustration to the right. (The DM-MD6X6 rear panel is shown.)

HDMI® Input Connections

Using HDMI cables, connect up to six HDMI digital video/audio input devices to the HDMI input connectors (**HDMI 1** to **HDMI 6**).

HDMI Output Connection

Using an HDMI cable, connect an HDMI digital video/audio output device to the HDMI output connector (**HDMI 1**).

DM 8G+® Output Connections

Connect up to three (DM-MD6X4) or five (DM-MD6X6) Crestron DigitalMedia 8G+® receivers/room controllers to the DM 8G+ output connectors (**DM 2** to **DM 4** on the DM-MD6X4 or **DM 2** to **DM 6** on the DM-MD6X6). Connections can also be made to HDBaseT® Alliance Certified display devices without requiring any DM® receivers. (The illustration to the right shows connections to DM-RMC-4K-100-C devices.)

For DM 8G+ or HDBaseT wiring up to 330 feet (100 meters) between devices, use Crestron DM-CBL-8G DigitalMedia 8G™ cable or generic CAT5e (or better) UTP or STP.

NOTE: Shielded cable and connectors are recommended to safeguard against unpredictable environmental electrical noise that may impact performance at resolutions above 1080p.

USB HID Connection

Using a USB cable with a type B female connector, connect a host computer or other USB HID compliant host to the USB HID connector (**USB-HID**).

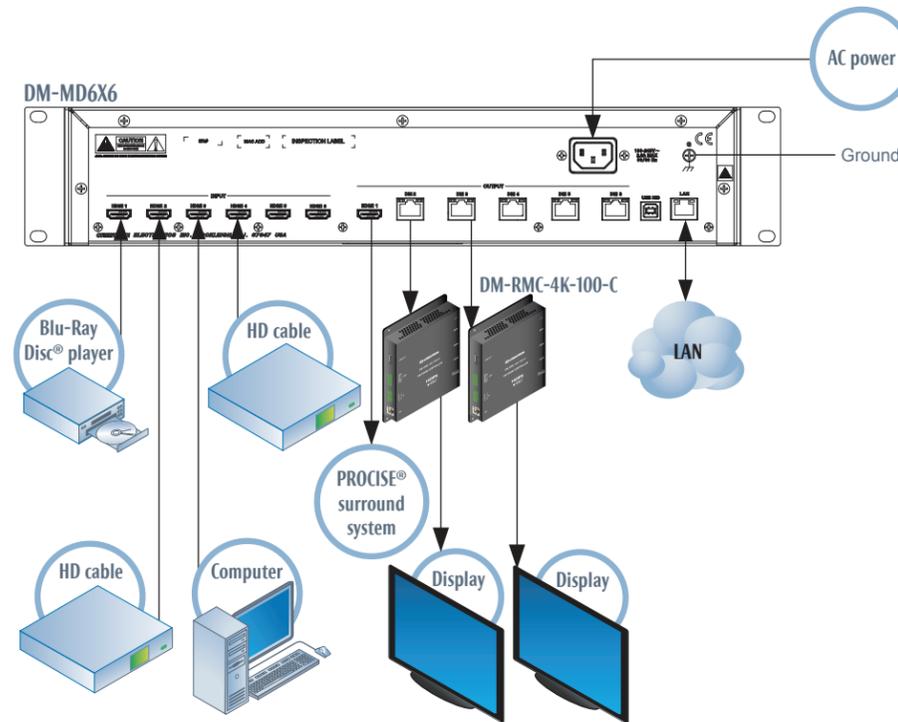
LAN Connection

Using an RJ-45 cable, connect the 8-pin **LAN** port to the 10BASE-T/100BASE-TX Ethernet network.

Power Connection

NOTE: The DM-MD6X4 and DM-MD6X6 do not have a power switch. Power is applied to the unit when the supplied power cord is connected to the ac power source.

Connect one end of the included power cord to the DM-MD6X4 or DM-MD6X6 and the other end to the ac power source.



2 Configuration

Use the front panel controls to configure the DM-MD6X4 or DM-MD6X6.

A. Access Installer Mode

1. Ensure that the home screen is displayed. If it is not displayed, press the **HOME** button. The home screen is shown to the right.

Home Screen
(DM-MD6X6 Shown)



After 30 seconds of inactivity, the DM-MD6X4 and DM-MD6X6 time out and return to the home screen while dimming the LCD.

2. Press the **BACK** button.

The **Installer** password screen appears.

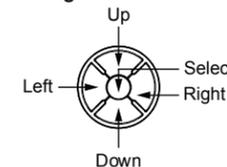
Installer Password Screen



3. Enter the four-digit password. (The default password is "1234".) To enter a digit, do either of the following:

- If the digit ranges from 1–6, press the appropriate **INPUT** or **OUTPUT** button that corresponds to the digit to be entered.
- If the digit is 0 or ranges from 7–9, use the navigation pad as follows: Press the Up or Down navigation button as necessary until the desired digit appears between the brackets, and then press the Select button.

Navigation Pad



After the fourth digit is correctly entered, the **Installer** menu appears.

B. Set Input and Output Names (Optional)

For inputs 1–6, the default names are **Input 1**, **Input 2**, and so on. For outputs 1–4 (DM-MD6X4) or outputs 1–6 (DM-MD6X6), the default names are **Output 1**, **Output 2**, and so on.

Use the following procedure to change an input name:

1. In the **Installer** menu, navigate to **Inputs** if it is not already highlighted, and then press the Select button on the navigation pad.

The **Input** submenu appears for the currently selected input. The name of the input is shown at the top of the **Input** submenu. (The LED of the currently selected input lights.)

2. Select the desired input by pressing the appropriate **INPUT** button (1–6).

The LED of the selected input lights, and the name of the input appears at the top of the **Input** submenu.

3. Navigate to **Name** if it is not already highlighted, and then press the Select button.

A scrollable list of predefined source names appears for the input.

4. Navigate to the desired source name in the list, and then press the Select button to confirm the selection.

The selected name now appears at the top of the **Input** submenu for the selected input.

Use the following procedure to change an output name:

1. In the **Installer** menu, navigate to **Outputs** and then press the Select button.

The **Output** submenu appears for the currently selected output. The name of the output is shown at the top of the **Output** submenu. (The LED of the currently selected output lights.)

2. Select the desired output by pressing the appropriate **OUTPUT** button (1–4 on the DM-MD6X4 or 1–6 on the DM-MD6X6).

The LED of the selected output lights, and the name of the output appears at the top of the **Output** submenu.

3. Navigate to **Name** if it is not already highlighted, and then press the Select button.

A scrollable list of predefined room names appears for the output.

4. Navigate to the desired room name in the list, and then press the Select button to confirm the selection.

The selected name now appears at the top of the **Output** submenu for the selected output.

Installer Menu

Installer
Inputs
Outputs
Network
Control

Input Submenu
(Input 1 Shown)

Input 1
Name
Video EDID
Audio EDID

Output Submenu
(Output 1 Shown)

Output 1
Name
HDMI
Video EDID
Audio EDID

2 Configuration (Continued)

C. Configure Network Parameters

Use the following procedure to configure network parameters.

1. In the **Installer** menu, navigate to **Network**, and then press the Select button.

The **Network** submenu appears.

2. If necessary, configure DHCP (Dynamic Host Configuration Protocol). DHCP is enabled by default (set to **On**).

To disable DHCP:

- a. Navigate to **DHCP**, and then press the Select button.

The **DHCP** configuration screen appears.

- b. Navigate to **Off**, and then press the Select button.

DHCP is disabled. The screen returns to the **Network** submenu.

3. *(This step is applicable only if DHCP was disabled in step 2.)* If necessary, configure a static IP address, a subnet mask address, and a default router IP address. Navigate to the appropriate parameter listed in the **Network** submenu (**Address**, **Subnet Mask**, and **Default Router**), and then press the Select button.

The corresponding configuration screens appear as shown below.

IP Address (Static) Configuration Screen	Subnet Mask Configuration Screen	Default Router Configuration Screen
IP Address	Subnet Mask	Default Router
[000] 000. 000. 000	[000] 000. 000. 000	[000] 000. 000. 000

To enter a static IP address, a subnet mask address, and a default router IP address, use the navigation pad. For each octet, press the Up or Down navigation button until the desired number appears, and then press the Select button.

The screen returns to the **Network** submenu after the last octet of each parameter is entered.

NOTE: Changes to network parameter settings take effect when the DM-MD6X4 or DM-MD6X6 exits Installer mode and the device automatically reboots. A message appears on the LCD screen indicating that the device is rebooting.

Installer Menu

Installer
Inputs
Outputs
Network
Control

Network Submenu

Network
Status
Address
Subnet Mask
Default Router
DHCP

D. Configure Control System Parameters

To connect the DM-MD6X4 or DM-MD6X6 to a control system, use the following procedure to configure control system parameters.

1. In the **Network** submenu, navigate to **Control System**, and then press the Select button.

The **Control System** submenu appears.

2. Configure the following parameters:

- Navigate to **IP ID** if it is not already selected, and then press the Select button.

The **IP ID** configuration screen appears. Configure the IP ID of the DM-MD6X4 or DM-MD6X6. The value ranges from 03 (default setting) to FE, and it must match the IP ID specified in SIMPL Windows and the value on the control system's IP table for the DM-MD6X4 or DM-MD6X6.

In the **IP ID** configuration screen, specify the IP ID by pressing the Up or Down button on the navigation pad until the desired value appears, and then press the Select button.

The screen returns to the **Control System** submenu.

- Navigate to **IP Address**, and then press the Select button.

The **Ctrl Sys IP Addr** configuration screen appears. Configure the IP address of the control system. For each octet in the IP address, press the Up or Down navigation button until the desired number appears, and then press the Select button.

The screen returns to the **Control System** submenu.

Network Submenu

Network
Address
Subnet Mask
Default Router
DHCP
Control System

Control System Submenu

Control System
IP ID
IP Address

IP ID Configuration Screen

IP ID
03

Ctrl Sys IP Addr Configuration Screen

Ctrl Sys IP Addr
[000] 000. 000. 000

E. Exit Installer Mode

To exit Installer mode, return to the home screen by pressing the **HOME** button.

NOTE: The home screen can also be accessed by pressing the **BACK** button as necessary or by allowing the DM-MD6X4 or DM-MD6X6 to time out after 30 seconds of inactivity.

3 Routing

An input signal can be routed to one or more outputs simultaneously. One or more routed signals can also be disconnected simultaneously.

Use the following procedure to route an input signal to output(s):

1. Ensure that the home screen is displayed. The DM-MD6X4 or DM-MD6X6 is in Route mode when the home screen is displayed.

NOTE: By default, the input LEDs on the DM-MD6X4 and DM-MD6X6 are not lit. The output LEDs of unrouted outputs are lit.

2. Press the appropriate **INPUT** button that corresponds to the input to be routed. **INPUT** buttons are numbered 1–6.

The LED of the selected input lights. In addition, the video and audio information for the selected input is provided on the LCD screen. The LED(s) of the output(s) currently routed to the input also light.

3. Press the appropriate **OUTPUT** button(s) that correspond to the desired output(s).

NOTE: For the DM-MD6X4, up to four **OUTPUT** buttons, numbered 1–4, can be pressed for the selected input. For the DM-MD6X6, up to six **OUTPUT** buttons, numbered 1–6, can be pressed for the selected input.

The LED(s) of the selected output(s) flash. In addition, the following message appears on the LCD screen:

*Press Select to Route
Press Back to Cancel*

4. As indicated on the LCD screen, press the Select button to route the signal.

The selected input is routed to the selected output(s). The LED(s) of the selected output(s) light steadily.

NOTE: After 30 seconds of inactivity, the DM-MD6X4 or DM-MD6X6 times out. Input LEDs that were lit become unlit. Output LEDs that were lit for routed outputs also become unlit. In addition, the DM-MD6X4 or DM-MD6X6 returns to the home screen while also dimming the LCD.

Use the following procedure to disconnect routed signal(s):

1. Ensure that the home screen is displayed.

NOTE: The LEDs of all routed outputs are not lit.

2. Press the **OUTPUT** button(s) that correspond to the output(s) to be disconnected.

The LED of the selected output(s) flashes.

3. Press the Select button.

The selected output(s) are disconnected. The LED(s) of the selected output(s) light steadily.

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