

# Dialogic<sup>®</sup> DM3 Media Boards

- DMV160LP
- DMV160LPEU

Quick Install Card for Universal PCI Boards

**Dialogic<sup>®</sup>**

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## Before You Begin

### Protecting the Board from Damage

**Caution!** All computer boards are sensitive to electrostatic discharge (“ESD”). Handle all static-sensitive boards and components at a static-safe work area, and observe anti-static precautions at all times.

If you are not familiar with ESD safety precautions, visit <http://www.dialogic.com/support/hwinstall> to learn more.

### Unpacking the Board

Unpack the Dialogic<sup>®</sup> DM3 Media Board (“board”) according to the following steps:

1. Prepare a static-safeguarded work area.
2. Carefully remove the board from the shipping carton and anti-static packaging. Handle the board by the edges and avoid touching the board’s components.
3. Lay the board on the static-dissipative work surface.

**Note:** Place boards in static-shielding bags when carrying boards from station to station.

**CAUTION:** Do not remove the board from the anti-static packaging until you are ready to install it. Observe proper anti-static precautions at all times.

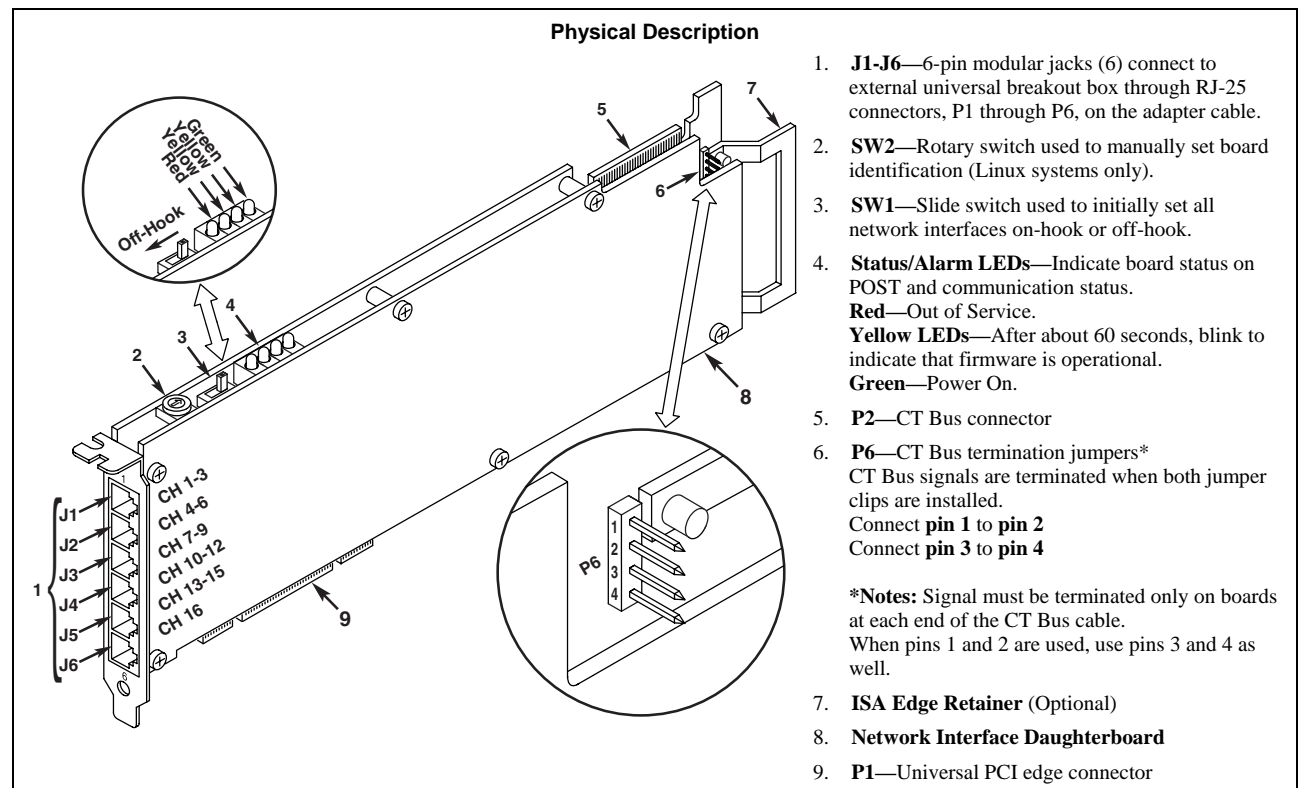
## Configuring the Hardware

### Initial Hook State

The position of slide switch SW1 determines whether the network interfaces will be initialized off-hook or on-hook. See *Physical Description* graphic.

### Board Identification

The DM3 device driver, part of the system software, assigns board instance numbers in ascending order (beginning with 0)



- Physical Description**
1. **J1-J6**—6-pin modular jacks (6) connect to external universal breakout box through RJ-25 connectors, P1 through P6, on the adapter cable.
  2. **SW2**—Rotary switch used to manually set board identification (Linux systems only).
  3. **SW1**—Slide switch used to initially set all network interfaces on-hook or off-hook.
  4. **Status/Alarm LEDs**—Indicate board status on POST and communication status.  
**Red**—Out of Service.  
**Yellow LEDs**—After about 60 seconds, blink to indicate that firmware is operational.  
**Green**—Power On.
  5. **P2**—CT Bus connector
  6. **P6**—CT Bus termination jumpers\*  
CT Bus signals are terminated when both jumper clips are installed.  
Connect **pin 1** to **pin 2**  
Connect **pin 3** to **pin 4**
- \*Notes: Signal must be terminated only on boards at each end of the CT Bus cable. When pins 1 and 2 are used, use pins 3 and 4 as well.
7. **ISA Edge Retainer** (Optional)
  8. **Network Interface Daughterboard**
  9. **P1**—Universal PCI edge connector

as it detects each board in your system. A board instance number is the identification (ID) number used by the system software to recognize the board.

**NOTE:** If you add or remove a board, the system may change the existing board instance (ID) numbers.

### Windows System

Leave SW2 set to the factory default of Board ID 0 to let the system automatically assign board instance numbers by PCI bus slot number.

After the hardware and the system software are installed, refer to the Dialogic<sup>®</sup> Configuration Manager (DCM) utility to retrieve the assigned board instance (ID) number(s).

### Linux System

In a Linux system, you **must** set SW2 to a unique number for each installed DM3 board. Use a non-metallic screwdriver to turn SW2 to 1 of 16 board settings, 0–9 or A–F.

After the hardware and the system software are installed, refer to the proper configuration files to retrieve the assigned board instance (ID) number(s).

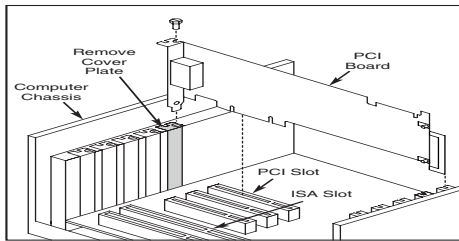
For more information about Linux configuration files, refer to the *Installation and Configuration Guide* for the system release you are using.

## Installing the Hardware

**NOTE:** If you are adding DM3 hardware to an existing DM3 system, you do not need to uninstall existing DM3 software.

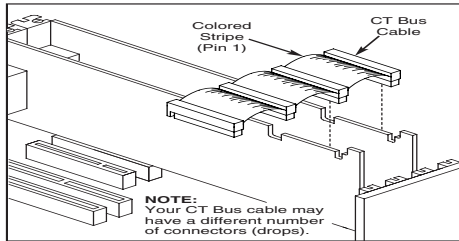
1. Working with your computer at a static-safe work area, switch off the power and disconnect all power cords from the electrical outlets.
2. Remove the computer cover.
3. Select an empty PCI expansion bus slot and remove the slot’s retaining screw and access cover plate.
4. If you are not installing your board in an ISA form factor PCI slot, remove the ISA edge retainer bracket from the board. Removing this bracket does not void the product warranty.
5. Using the slot’s board guides, insert the edge connector of the board into the bus slot. Press firmly until the board is securely seated in the slot.
6. Replace and tighten the retaining screw to secure the board firmly in the chassis slot.

## Installing the Universal PCI Board



- If desired, use the optional CT Bus cable to connect the board(s) you are installing to other boards in the system.

## Installing the CT Bus Cable



**NOTE:** Your system may include both CT Bus and SCbus boards. To connect both board types, you must install a CT Bus/SCbus Adapter on one of the CT Bus boards in the system. See the *CT Bus/SCbus Adapter Quick Install Card* for installation details about the adapter and the bus cables. Contact your Dialogic sales representative to order an adapter and bus cables.

- Install CT Bus termination jumpers only on boards located at each end of the CT Bus cable. (If your system includes CT Bus and SCbus boards, you must also install termination jumpers at the end of the CT Bus boundary where the CT Bus and SCbus transition takes place.)  
**NOTE:** CT Bus signals are terminated when both jumper clips are installed (pin 1 to pin 2, and pin 3 to pin 4).
- Replace the computer cover when finished and reconnect the power cords.

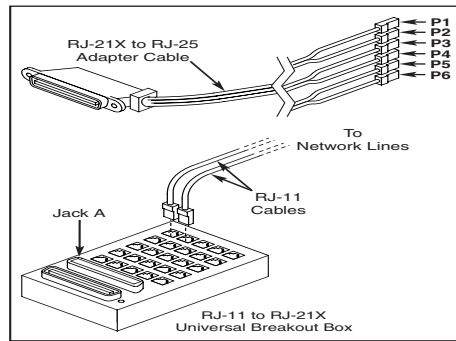
## Optional Steps When Using RJ-21Q Adapter Cable and Universal Breakout Box

- Connect the RJ-25 connectors (P1-P6) on the RJ-21Q adapter cable to the jacks (J1-J6) on the board bracket.

**NOTE:** Connect P1 on the adapter cable to J1 on the board bracket, P2 to J2, P3 to J3, P4 to J4, P5 to J5, and P6 to J6.

- If desired, hook up the RJ-21Q connector on the adapter cable to Jack A on the universal breakout box.

## Connecting the Universal Breakout Box

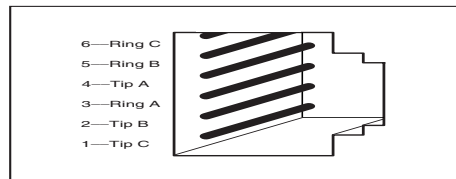


- If you performed step 11, then connect each RJ-11 cable to jacks 1-16 on the universal breakout box (jacks 17 through 25 are not used). Connect the other end of each RJ-11 cable to a network line.

You can order these optional parts through your Dialogic sales representative: RJ-21Q adapter cable (model name CBL6RJ25TORJ21Q, Dialogic part number 884-292-XX) and universal breakout box (model name BOB25POSJ11W, Dialogic part number 882-753-XX).

For your reference, the pinout for J1 through J6 is provided in the following graphic.

## Pinout for J1-J6 on the Board Bracket



## After Installing Hardware

After installing the hardware, turn the power to the chassis ON. Proceed with the system software installation as described in the system software documentation.

**CAUTION:** If your BIOS is set to use Plug and Play technology and there are ISA boards in your system, an IRQ conflict can be created if a DM3 board is assigned the same IRQ as an ISA board. This could cause the machine to stop responding. You can prevent this by entering the BIOS and reserving the appropriate IRQs (those used by your ISA boards) for ISA use only. For technical specs and product information go to: <http://www.dialogic.com/products.htm>.

## Warranty and Return Information

### Warranty Period

For specific warranty information for this board, refer to the Warranty section of the Products page, located at this URL: <http://www.dialogic.com/warranties/>.

Dialogic provides technical support for its products through a network of value added distributors who are trained to answer technical questions on installing and configuring Dialogic® products. If you are unsure how to contact your support channel, please call Dialogic in the United States at 973-967-6600 (9am-5pm EST) and we will assist in obtaining the appropriate support channel. Outside the United States please refer to <http://www.dialogic.com/support/contact> to obtain local contact information. Dialogic also provides direct support via Dialogic® Pro™ Services agreements. For more details of direct support from Dialogic please refer to: <http://www.dialogic.com/support/DialogicPro>.

### Returning a Product

To return a board for repair or any other returns, please refer to the following: <http://www.dialogic.com/support/hwfaults>. To return a board for warranty repair, please refer to the following: <http://www.dialogic.com/support/hwfaults>. For all other returns, contact your vendor or Dialogic Customer Support (for more information, see <http://www.dialogic.com/support/contact/> ).

### Sales Assistance

If you have a sales question, please contact your local Sales Representative or the Regional Sales Office for your area. Address, telephone and fax numbers, are available at the Dialogic website: <http://www.dialogic.com/contact.htm>. To purchase Dialogic® products, refer to the following website: <http://www.dialogic.com/purchase.htm>.

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