Dialogic® D/4PCIU,D/4PCIUF

Quick Install Card for PCI Universal

Dialogic®

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® D/4PCIU, D/4PCIUF 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.
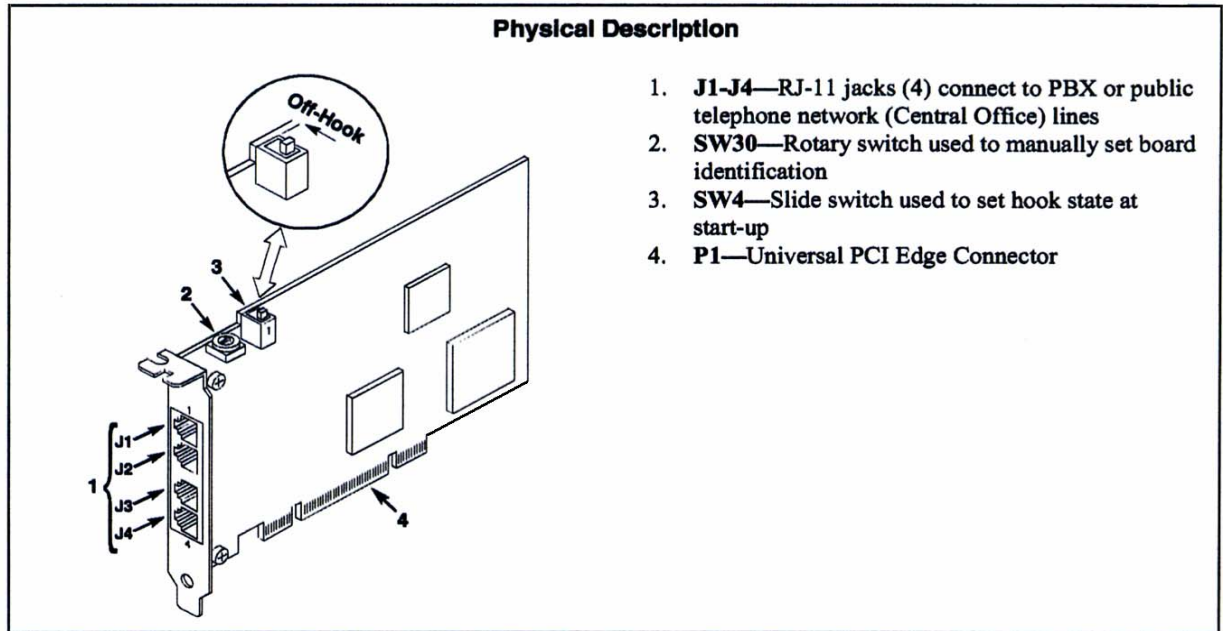
CAUTION: Do not remove the board from the anti-static packaging until you are ready to install it. Observe proper anti-static precautions at all times.

Configuring the Hardware

Initial Hook State

The position of slide switch SW4 determines how the board responds to an incoming call when the chassis power is on but the board is not initialized. Refer to the *Physical Description* section. Set the SW4 slide switch as follows:

SW4 = On-hook (default): Callers hear ringing.
SW4 = Off-hook: Callers hear a busy signal.

Physical Description

1. **J1-J4**—RJ-11 jacks (4) connect to PBX or public telephone network (Central Office) lines
2. **SW30**—Rotary switch used to manually set board identification
3. **SW4**—Slide switch used to set hook state at start-up
4. **P1**—Universal PCI Edge Connector

NOTE: If the chassis power is off, callers hear ringing (on-hook).

Board Identification

The Dialogic® D/4PCIU board uses Plug and Play technology, including hardware auto-configuration for IRQ and memory address. This technology enables quick installation and operation using the factory default hardware settings.

The system software assigns board instance numbers in ascending order (beginning with 0) 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. Each Board ID is based on the SW30 rotary switch setting. See the *Physical Description* section.

NOTE: The ascending Board IDs automatically assigned by the system may not correspond to a physical order in the chassis.

Geographical Sequence

Leave SW30 set to Board ID 0 (default) to let the system automatically assign board instance numbers by PCI bus logical slot number. This method is not available for ISA bus boards.

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

Programmable Sequence

You **must** set SW30 to a unique number for each installed board. Use a non-metallic screwdriver to turn SW30 to 1 of 16 board settings, 0–9 or A–F. You should assign sequential numbers to each Dialogic® board, starting at 1. This method is also used for all ISA bus boards.

Precedence in Mixed Systems

In systems where both ISA and PCI boards exist, PCI boards take precedence and are numbered before ISA boards. Also, when using both geographical and programmable assignment methods, PCI boards that use SW30 setting 0 are numbered before PCI boards that use SW30 settings 1–9 or A–F.

NOTES: After the hardware and the system software are installed in a Windows system, refer to the Dialogic® Configuration Manager (DCM) utility to retrieve the assigned board instance (ID) number(s). After the hardware and the system software are installed in a Linux system, refer to the proper configuration files to retrieve the assigned board instance (ID) number(s).

Installing the Hardware

NOTE: If you are adding Dialogic® hardware to an existing system, you do not need to uninstall existing system 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. Insert the edge connector of the board into the bus slot. Press firmly until the board is securely seated.

Installing the Universal PCI Board
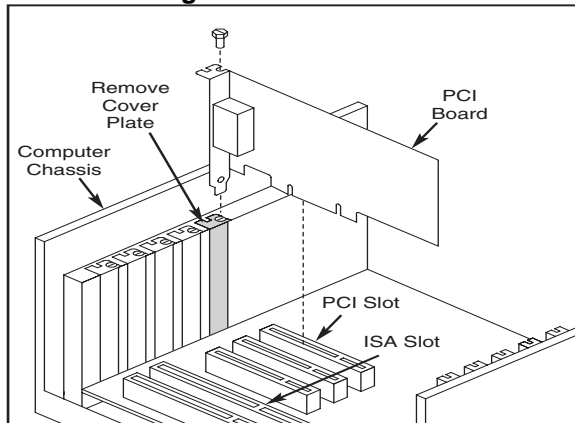
5. Replace and tighten the retaining screw to secure the board firmly in the chassis slot.

6. Replace the computer cover when finished and reconnect the power cords.

7. Turn the power to the chassis **ON**.

   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 PCI 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.

Connecting External Cables

Each RJ-11 jack on the rear bracket of this board supports a single channel. Use RJ-11 connectors and telephone cable to connect each channel jack to a PBX station port or to the Public Telephone Network Central Office (CO).

NOTE: A standard telephone will not function when directly connected to the board.

Connecting Cables to J1-J4

Pinouts for J1–J4 on Bracket

1	UNUSED
2	UNUSED
3	Ring
4	Tip
5	UNUSED
6	UNUSED

NOTE:
J1 is Channel 1
J2 is Channel 2
J3 is Channel 3
J4 is Channel 4
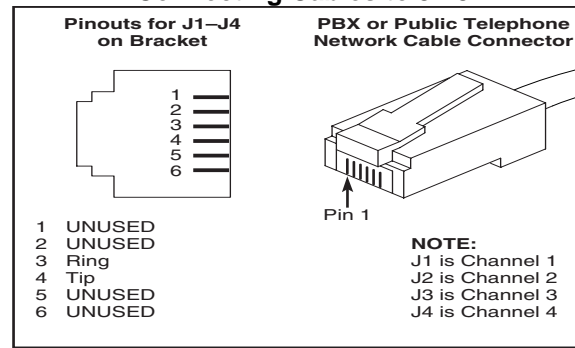
After Installing Hardware

After installing the hardware, run the Dialogic® Configuration Manager (DCM) as described in the installation instructions included with the Dialogic® System Software to configure your system.

For technical specifications 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/.

Contacting Technical Support

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 n 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 warranty repair or any other returns, please refer to the following:
http://www.dialogic.com/support/hwfaults.

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 located at: http://www.dialogic.com/contact.htm.

To purchase Dialogic® products, please refer to the following website to locate the appropriate supplier: http://www.dialogic.com/purchase.htm.