# Dialogic®

# Dialogic® Analog Media Boards
## Installation Guide

## 1. Product Description

The Dialogic® Analog Media Boards offer standard RJ10 or RJ45 interfaces to connect to public and private switching systems. Since they provide high-performance media processing functions, they can enhance the overall system performance and lower implementation costs.

This document provides the quick steps to install your Diva Media Board. The full *Dialogic® Diva Media Boards Installation Guide* is available from the following URL.

http://www.dialogic.com/en/manuals/diva/diva_hw.aspx

## 2. Before You Begin
### Protecting the Board from Damage

**CAUTION:** All computer boards are sensitive to electrostatic discharge. 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 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 board in static-shielding bag when carrying board from station to station.

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**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.

## 3. Installing the Board

**WARNING! Unplug the equipment before performing the procedures described in this section. Failure to disconnect the power before you open the chassis can result in personal injury. Ensure that the system is disconnected from its power source and from all telecommunications links, networks, or modem lines whenever the chassis cover is removed. Do not operate the system with the cover removed.**
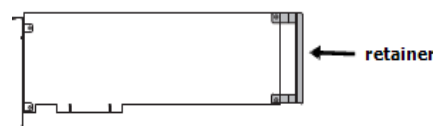
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**CAUTION:** To avoid possible damage to the board, remove power from the computer before beginning installation. Observe proper anti-static precautions at all times while handling and installing the board.

Follow the steps below to install your Dialogic® Diva® Media Board and connecting it to your analog line.

Insert your Diva Media Board into your computer as described below:

**Note:** You may need to consult your computer's manual during the installation of your Diva Media Board.
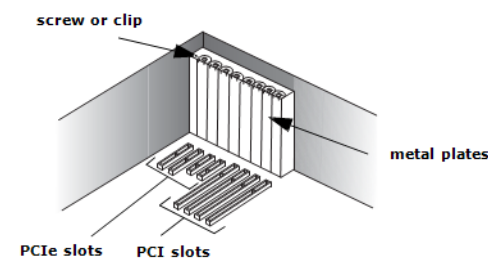
1. For your safety, disconnect all technical and peripheral devices and all energy sources from the computer.
2. Drain static electricity from your body by touching the metal chassis (the unpainted metal at the back of your computer).
3. Remove any cables, if present, and the power cord from your computer.
4. Remove the cover of the computer as described in your computer's manual.
5. Locate a PCI or PCIe slot in your computer.
6. If there is a metal plate at the end of the slot, remove the screw or loosen the clip and remove the metal plate. Keep the screw for fastening your Diva Media Board.
7. If your Diva Media Board comes with a retainer, and space does not permit the use of the retainer, simply remove it before you insert the Diva Media Board. The retainer is only an installation aid, and does not add functionality to the board.



8. Before you insert your Diva Media Board, read the following safety instruction:

**CAUTION:** To avoid damaging your hardware, insert the Diva Media Board only into a PCI or PCIe slot, according to your board type. Inserting the Diva Media Board into any other type of slot can damage your board, your computer, or both.

Firmly insert the Diva Media Board into the selected slot. Make sure that the Diva board does not touch the CPU, memory modules, or other parts on the motherboard.



9. Firmly secure the Diva Media Board with the screw or clip.

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**WARNING! For your safety, make sure that the Diva Media Board's bracket is properly secured to the PC's chassis by fastening the Diva Media Board with the screw or clip. This will ensure proper grounding and avoid personal injuries and damage to your computer, your Diva board, or both.**

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10. Replace the cover of the computer as described in your computer's manual.

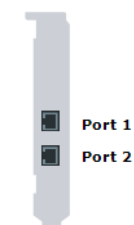## 4. Connect your Dialogic® Diva® Analog Media Board

Use the cables included with the Diva Analog Media Board. How you connect your Diva Analog Media Board depends on the board type:

- To connect any Dialogic® Diva® Analog-2 Media Board, follow the instructions below.
- To connect any Dialogic® Diva® Analog-4 Media Board, see "Dialogic® Diva® Analog-4 Media Boards".
- To connect any Dialogic® Diva® Analog-8 Media Board, "Dialogic® Diva® Analog-8 Media Boards".

**Important**: Use only certified telecommunications cables with No. 26 AWG (American Wire Gauge) or higher with this equipment to ensure proper functioning of the Diva Media Board.
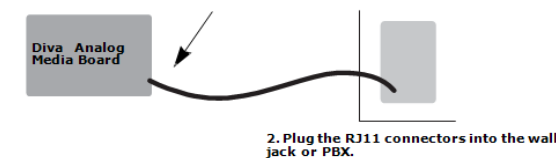
**Dialogic® Diva® Analog-2 Media Boards:**

Diva Analog-2 Media Boards have two RJ10 ports for connecting two separate analog lines. You can use any port; typically, you must specify the port number during software configuration. The port numbers are shown below. The diagram is oriented with the edge connector pointing downwards.



Connect your Dialogic® Diva® Analog-2 Media Board as follows:



1. Take the two cables included with the Diva Media Board and plug the RJ10 connectors into the board.
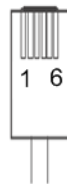
2. Plug the RJ11 connectors into the wall jack or PBX.

Contact assignments (plugs and jacks):

| RJ10 | Signals | RJ11 |
|------|---------|------|
| Pin 2 | Ring | Pin 3 |
| Pin 3 | Tip | Pin 4 |

**Note:** Looking at the RJ10 and RJ11 connector with the exposed connector pins facing you, the pins are numbered from 1 to 4 and 1 to 6 from left to right as shown below:
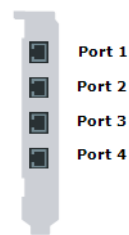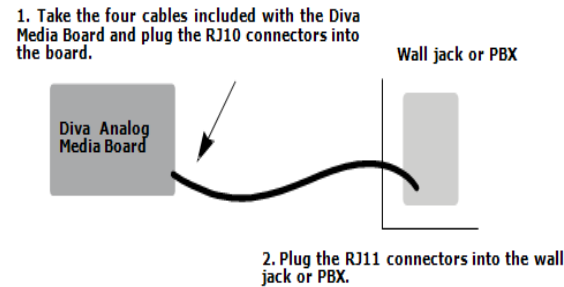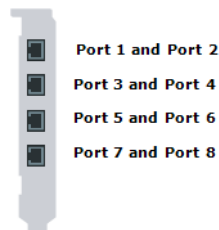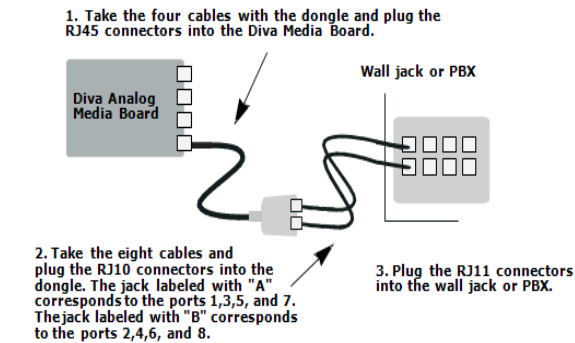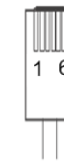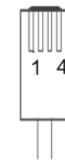


### Dialogic® Diva® Analog-4 Media Boards

Diva Analog-4 Media Boards have four RJ10 ports for connecting four separate analog lines. You can use any port; typically, you must specify the port number during software configuration. The port numbers are shown below. The diagram is oriented with the edge connector pointing downwards.



Connect your Diva Analog-4 Media Board as follows:



Contact assignments (plugs and jacks):

**Note:** Looking at the RJ10 and RJ11 connector with the exposed connector pins facing you, the pins are numbered from 1 to 4 and 1 to 6 from left to right.

### Dialogic® Diva® Analog-8 Media Boards

Diva Analog-8 Media Boards have four RJ45 ports for connecting four dongles. The dongles have two ports each for connecting two separate analog lines; therefore, you can connect to up to eight analog lines. You can use any port; typically, you must specify the port number during software configuration. The port numbers are shown below. The diagram is oriented with the edge connector pointing downwards.



Connect your Dialogic® Diva® Analog-8 Media Board as follows:



Contact assignments (plugs and jacks):

| RJ45 | Signals | Dongle with RJ45 | | RJ11 |
|------|---------|------------------|---|------|
| Pin 1 | Ring | Port A | Pin 2 | Pin 3 |
| Pin 2 | Tip | | Pin 3 | Pin 4 |
| Pin 7 | Tip | Port B | Pin 3 | Pin 4 |
| Pin 8 | Ring | | Pin 2 | Pin 3 |

**Note:** Looking at the RJ45, RJ10, and RJ11 connectors with the exposed connector pins facing you, the pins are numbered from 1 to 8, 1 to 4, and 1 to 6 from left to right as shown below.



## 7. Returning a Product

To return a board for warranty repair or for any other returns, please refer to www.dialogic.com/support/hwfaults.

## 5. Warranty Period

For specific warranty information for this board, refer to the Warranty section of the Products page located at the following URL:

http://www.dialogic.com/warranties/

## 6. Contacting Technical Support

For Dialogic technical support issues, refer to the Dialogic Service Center at www.dialogic.com/support.