Dialogic®
an Intel company

Span JCT Boards

D/240JCT-T1 **D/300JCT-E1**

D/160JCT **D/320JCT**

NOTE: The D/300JCT-E1 boards are available in both 75- and 120-Ohm versions.

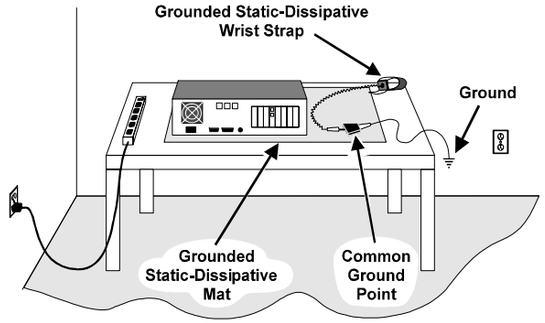
- Installation
- Warranty Period
- RMA Procedure

05-1358-003
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1. Protect the Boards from Damage

CAUTION! Computer boards are static-sensitive and can be damaged by touching or handling. To prevent damage from static electricity, do the following:

- Wear a grounded, static-dissipative wrist strap for the entire hardware installation.
- Work at a static-safeguarded work station (see below).



2. Configuring the Hardware

Span JCT boards allow you to use the factory default hardware settings for quick installation and operation, however, Dialogic recommends that you review the following information and select any options as desired.

Board Identification Number

Device names are used to identify and to communicate with boards. For example, you need to know a device name to use the **dx_open( )** function. Device names are assigned in the order specified by the board numbering methods described below. The addition or removal of any boards could cause the renumbering of boards in the system. Consequently, the assignment of device names could change during the next system start up.

Geographical Assignment: Board ID 0

All Span JCT boards can share the factory default setting of board ID 0 (set with rotary switch SW100). Board numbers are assigned automatically based on the PCI bus and slot number.

NOTE: If you add a board to the system, existing board IDs could change in a mixed system, depending upon the PCI bus and slot number where the new board is installed, however it must not conflict with another board ID which is manually assigned.

Manual Assignment (SW1): Board IDs 1-9, A-F

In addition to the geographical assignment method, the manual assignment method can be used to further identify the boards in your system.

If you change the board ID from the factory default of 0 to any other number, the software will use that setting to identify the board.

NOTE: When not set to 0, the board ID must be unique (it must not conflict with the board ID of any other Dialogic ISA or PCI board which has been manually assigned). If you use this method, Dialogic recommends that you assign sequential numbers starting at 1. This method is also used for all ISA bus boards.

Precedence in Mixed Systems (ISA/PCI)

In systems using both Geographical and Manual assignment methods, or where both ISA and PCI boards exists, PCI boards will take precedence and will be numbered before an ISA bus board that uses board IDs 1-9, A-F.

For more details on board numbering, visit the Dialogic FirstCall Info Server at *http://support.dialogic.com.*

Grounding the BNC Connectors (D/300JCI-E1 75-Ohm Boards only)

The D/300JCT-E1 board (75-Ohm version) is shipped with jumpers installed so that both the transmit and receive sides of the BNC shields are grounded. If you want to change the grounding configuration, follow the instructions below:

1. Place the board on a static-safe work surface.
2. Configure the jumpers.

Direction	Ground	Jumper	Setting
Transmit	Grounded	JP1A	IN
Transmit	Not Grounded	JP1A	OUT
Receive	Grounded	JP1B	IN
Receive	Not Grounded	JP1B	OUT

P700 Termination

C_2 and C_4* are terminated on boards located at physical ends of bus using pins 1 and 2 of the P700 termination jumpers. This is only required for MVIP(90).

Both CT_C8_(A&B) and CT_FRAME_(A&B) are terminated on boards located at physical ends of bus using pins 3 and 4 of the P700 termination jumpers.

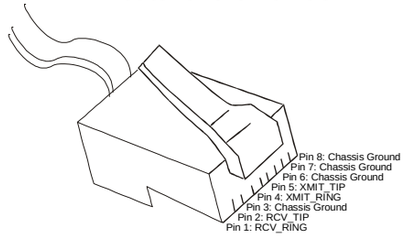
Shunt	Terminates
P700, Pins 1 and 2	C_2 and C_4*
P700, Pins 3 and 4	CT_FRAME_(A&B) CT_C8_(A&B)

Setting the Remote Loopback Switch (SW500)

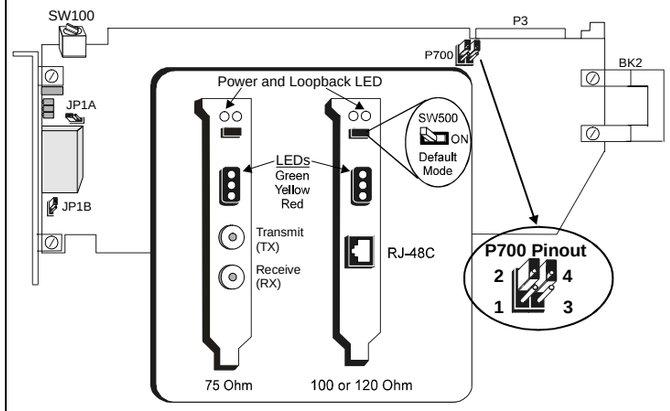
The default (normal mode) for SW500 is DOWN. Once the firmware is downloaded, set SW500 UP to turn on loopback mode. Turning the switch UP enables you to verify the T-1 or E-1 connection. The UP switch position overrides any board modes set by your application.

NOTE: The remote loopback switch is not present on the D/160 JCT or the D/320JCT.

Pinouts for the RJ-48C



Physical Description



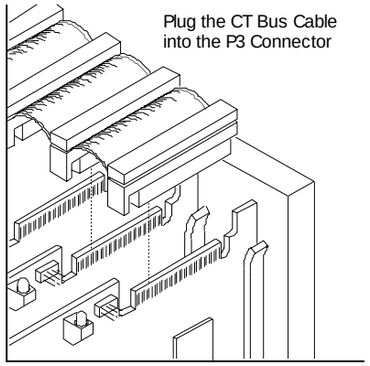
Part	Function
SW100	Board identification switch
P700	CT Bus Termination jumpers
P3	CT Bus connector
BK2	ISA edge retainer
JP1A, JP1B	Jumpers to set grounding on BNC shields
Power LED	Indicates power status (Green)
Loopback LED	Indicates remote loopback mode (Red)
SW500	Remote loopback switch
Green LED	Signal present LED; indicates powered up and receiving signal from external T-1/E-1 sources
Yellow LED	Alarm to indicate loss of frame synchronization at far end external network
Red LED	Alarm to indicate loss of frame synchronization on incoming line from external network
RJ-48C	Connector to external digital network interface (D/240JCT-T1)
BNC	Connectors to external digital telephone network interface

NOTES: 1) JP1A and JP1B are for 75-Ohm BNC connectors only.

2) The front bracket on the D/160JCT and the D/320JCT is a blank plate (no LEDs, switches or Network connections).

Connecting the CT Bus Cable (P3)

Use the CT Bus cable to connect the Span JCT board with the other boards in the system.



Plug the CT Bus cable into the P3 connector. To connect to the SCbus, use the CT Bus to SCbus adapter (Part Number 99-2446-001) and follow the instructions included with the adapter.

Install the CT Bus/SCbus Adapter

Locate the board that will be used to connect the CT Bus/SCbus Adapter. It will be the card inserted in the first PCI slot adjacent to the ISA slot.

Align pin 1 of the adapter with pin 1 of the edge connector on the board and press the CT Bus to SCbus Adapter onto the board with the SCbus cable connector facing the rear edge of the board. Note that the adapter is not labeled.

Connect the CT Bus and SCbus cables as per the installation instructions for your Dialogic board(s).

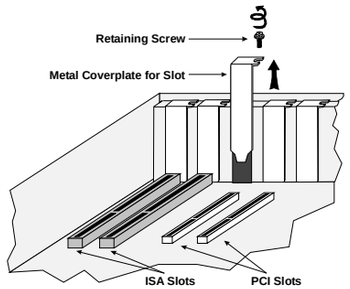
3. Install the Boards in the PC

WARNING! To reduce the risk of electric shock:

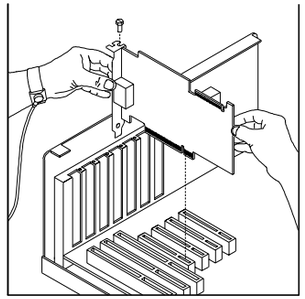
- Switch off the power and remove power cords before opening the computer case.
- Do not re-attach power cords or switch on power to the computer while the computer case is removed.
- Refer to the Regulatory Notices section of this Quick Install Card for important installation information.

Install each board in the PC chassis using adjacent PCI slots according to the following instructions.

1. Turn off all power to the system, and disconnect the system's power cords from electrical outlets.
2. Remove the PC cover.
3. Select an empty PCI expansion bus slot, and remove the slot's retaining screw and access coverplate.



4. Insert the board's edge connector into the bus slot. Apply pressure only to the top edge of the board, and gently rock the board forward and backward to seat the edge connector into the slot.



5. Install the retaining screw.
6. Select a new slot and repeat steps 3 through 5 for each board you are installing. Replace the PC cover when finished.

4. Install Software, Configure and Test

Install the Dialogic software release and configure the Dialogic boards as described in the software installation documentation.

Your application software or Dialogic software release may have special installation or configuration instructions or requirements. Be sure to read this information before you install the software.

Warranty and Return Information

For technical specifications and product information, see the Dialogic website at *http://www.dialogic.com*.

Warranty Period

The Dialogic Span JCT boards have a 3-year warranty. See the Hardware Limited Warranty on the back of the Regulatory Notice for coverage details.

Repair of Merchandise Authorization (RMA) Process

1. Before completing the RMA process, verify that the problem is not due to a mistake or oversight in the installation process. Choose one of the following methods:
   - On the Web, go to the Dialogic FirstCall™ Info Server at *http://support.dialogic.com* and browse through the various topics.
   - If you have a Dialogic Support Plan, contact one of our Technical Support Departments listed below and they will troubleshoot the problem over the phone.

     The Americas
     973-993-1443

     Continental Europe, Middle East, Africa
     +32-2-712-4321

     Southeast Asia, West Asia, and Australia/New Zealand
     +65-339-9833

     For more information and a complete list of Worldwide Technical Support centers, visit: *http://www.dialogic.com/support/tech.htm*
2. After you have determined that you have a problem board, do one of the following:
   - For Dialogic products purchased outside the United States or Canada, contact your local Dialogic Sales Office for RMA procedures.
   - For Dialogic products purchased from a distributor, the distributor owns the warranty and you MUST go through them if you do not want to be charged for the repair.

     NOTE: You may return the board to Dialogic for repair, even if you did not purchase your board through the Dialogic Corporate Sales Office. However, if the repairs are not authorized by your local distributor or local Dialogic Sales office, the board is considered "out of warranty" and a fee is charged for repair services.
   - Go to the Dialogic Technical Support website at *http://support.dialogic.com/rma*, and fill out the Repair of Merchandise Authorization form.
     1) To complete the RMA form, you will need the serial number of the board. This information must be given at the time of the return or the request cannot be processed.
     2) Observe correct static-safe handling procedures. Disconnect power cables and remove the board from the chassis.
     3) Record the serial number (two letters followed by numeric digits, and located on a label on the board).
     4) Include your Service Request Number given to you by a Technical Support representative, if appropriate.
     5) E-mail the RMA form to the RMA Department.
3. After you receive an RMA number from Dialogic, return the problem board to Dialogic as outlined in the steps below:
   a) Pack the board(s) in their original anti-static packaging and protected packaging.
   b) Clearly display the RMA number on the package. If this number is not on your package, it will be treated as an unauthorized return.

      NOTE: Dialogic is not responsible for risk of loss or damage in transit.
   c) Ship the board to the Dialogic address listed below:

      Dialogic
      1515 Route 10
      Parsippany, NJ 07054 USA
      ATTN: RMA#