

Job Name:	Catalog #:
Date:	Notes:

#6299

PATHPORT REFURBISHMENT KIT



PRODUCT OVERVIEW

Provides simple, fast update to key electronic components of all C-Series and D-Series Pathport two-port models. Greatly extend the life of an existing installation while ensuring access to the latest industry standards and protocols.

FEATURES

- Simple component replacement provides new non-volatile RAM and processing for existing nodes
- Ensures compatibility with modern protocols, universe counts and show distribution practices
- E1.20 RDM compliant as proxy device
- Manage up to 128 RDM responders per port
- Supports the following Ethernet protocols:
 - E1.31 Streaming ACN (sACN/Net3)
 - Strand Shownet
 - Pathport Protocol
 - Art-Net
 - ETC Net2 (output only)
- Not suitable for nodes with damaged LCD or I/O ports
- Not suitable for R-Series rackmount nodes

SPECIFICATIONS

- Power-over-Ethernet Class 1 device - 4W maximum
- Operating Conditions: -10 to +50°C, 5-95% relative humidity, non-condensing

STANDARDS COMPLIANCE

- USITT DMX512 –1990 \ ANSI E1.11 DMX512-A R2013
- E1.20 RDM - Remote Device Management
- E1.31 sACN - streaming ACN
- IEEE 802.3af Power over Ethernet
- CE/ETL
- RoHS 2002/95/EC

WEIGHTS AND DIMENSIONS

- .5 lb (0.25 kg)
- 3.5" w x 2.75" h x 1.0" d (100mm x 75mm x 28mm)

INCLUDED FURNISHINGS

- Installation manual
- Mounting screw (use optional)

INSTALLATION PROCEDURE

Prior to beginning, save a show file with Pathport Manager. During replacement, cross reference the MAC address of each replacement core with the IP address used at each installed location. After installation, use Pathport Manager to identify new cores by MAC address, and use the “Replace Node Permanently” option to clone all patch and configuration information, including IP settings, from the former core to the replacement core.

C-Series (flushmount) Nodes:

- Disengage node from back box by removing 4-40 Phillips retaining screws or hex nuts from either side of node face. Keep these screws. Gently lift node out of box by pulling the bottom of the faceplate forward, then lifting the top off the trim ring.
- Unplug Ethernet cable and the 24VDC header (if used)
- Remove the 4-40 screw in the center of the existing core board. Older Pathports may have a white plastic post instead of a screw. The post head may be gently broken off to allow removal of the core board.
- Grasp the existing core board firmly and ease the two 28-pin headers out of their sockets on the I/O board beneath until the core board is free.
- Install the new core by carefully aligning the two 28-pin headers on the replacement core to the sockets on the I/O board, observing the original board orientation.
- Once firmly seated, test by restoring power—in most cases simply by replugging the Ethernet cable. The node should boot normally.
- If desired, install the 4-40 screw to the stand off. Installation of this screw is not possible on older nodes and isn’t required for operation.
- Reinstall node by hooking top of faceplate on trim ring, easing the node into the backbox and replacing the retaining screws.

D-Series (wallmount) Nodes:

- Remove and retain two faceplate screws and remove faceplate. Note: the node is attached to the back of the faceplate
- Unplug Ethernet cable, 24VDC header (if used) and DMX lines.
- Remove the 4-40 screw in the center of the existing core board. Older Pathports may have a white plastic post instead of a screw. The post head may be gently broken off to allow removal of the core board.
- Grasp the existing core board firmly and ease the two 28-pin headers out of their sockets on the I/O board beneath until the core board is free.
- Install the new core by carefully aligning the two 28-pin headers on the replacement core to the sockets on the I/O board, observing the original board orientation.
- Once firmly seated, test by restoring power—in most cases simply by replugging the Ethernet cable. The node should boot normally.
- If desired, install the 4-40 screw to the stand off. Installation of this screw is not possible on older nodes and isn’t required for operation.
- Replug the 24VDC header (if used) and the DMX lines. Reposition the faceplate on the backbox. Fasten faceplate with retained screws.

REFURBISHMENT LIMITATIONS

Use of the refurbishment kit will not correct damage to the DMX I/O ports, or correct LCD problems with screen rendering or loss of backlight. Nodes with LCD issues or non-functioning DMX ports should be replaced in their entirety.

Refurbishment should be considered for all C-Series and C-Series style nodes manufactured prior to 2010, if the node has “bootp” issues or cannot be upgraded to current firmware. Models include, but aren’t limited to: 6201, 6202, 6203 and 6229.

The #6299 refurbishment kit is not compatible with R-Series nodes including model numbers: 6235, 6241, 6242 and 6243.

Installation of a refurbishment kit will change the serial number and default IP settings of the affected node. Please note that although Pathway will extend warranty to the replacement core board, all other components retain their original warranty period.

ORDERING INFORMATION

PART #	DESCRIPTION
6299	Pathport Two Port Refurbishment kit