

General

The Bantam Plus front cabled/front cross-connect jack panels have high performance patching circuits for connecting, monitoring, and rerouting facility digital signal lines. Line rates are DS-1 (1.544 Mb/s) and DS-1C (3.152 Mb/s). Mounting is in a standard 23-inch (580 mm) bay or rack. This instruction sheet provides mounting procedures for the front panels.

Equipment Description

Each jack circuit is comprised of a Light-Emitting Diode (LED) and an IN, OUT, and MON (Monitor) jack. Horizontal designation strips are mounted to the front panel. Wire-wrap terminals are provided on the front of the panel for both cross-connect wire and equipment IN/OUT terminations. The equipment terminations are located behind a removable cable tray. A separate power/ground terminal strip is also provided.

How to Contact Us

- To find out more about **Carrier Apparatus** products, visit us on the web at:
<http://cw.commscope.com/>
- For technical assistance regarding Carrier Apparatus products: contact your local CommScope account representative or CommScope technical support at 1-800-344-0223.
- Report any missing or damaged parts to CommScope customer service in Omaha, Nebraska, at 1-866-539-2795.

References

- 365-301-125, Bantam Plus DSX-1/1C System Reference Guide
- ED-6C157-10, DSX Cross-Connect and Interconnect Framework Engineering, Hardware, and Ordering
- ED-6C157-30, DSX Framework Hardware Groups
- ED-6C157-31, DSX Framework Hardware Groups

Tools Required

- Wire-wrap gun
- Spudger
- Screw starter
- Wire stripper
- Cable ties and/or lacing cord
- Flat-blade 0.25-inch (6 mm) wide screwdriver, 6 inches (152 mm) long
- Cable stripper

Mounting Panel In a DSX-1/1C Bay

1. Unpack panel and verify that all parts are included as per the parts list.
2. Attach two angle mounting brackets to the panel using eight No. 6-32 screws provided (see Figure 1). The mounting hardware provides the following mounting positions:
 - 2.7 inches (70 mm) for recess mounting
 - 3.7 inches (90 mm) for mounting in 80-type cabinet
 - 5 inches (130 mm) for mounting in ED-8C500-50 Network Bay Frame
 - 6 inches (150 mm) for rear flush wall mounting

Note: Panel mounting screws are not provided for wall mounting. Obtain hardware locally.

3. Attach four 1.5-inch by 5-inch or 1.5-inch by 2.6-inch (40 mm by 130 mm or 40 mm by 70 mm) D-rings, (two per mounting bracket), to the mounting bracket using the eight No. 6-32 screws provided.

Note: The two different size D-rings shipped with the unit accommodate several cabling configurations. Select the size that best fits the particular cross-connect wiring requirements.

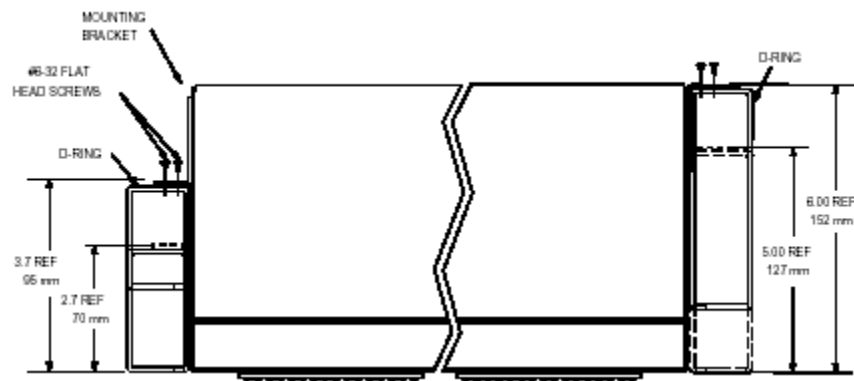


Figure 1. Top View—Attaching Mounting Brackets and D-Rings

Mounting Panel in a DSX-1/1C Bay (Continued)

4. Place panel in existing 23-inch (580 mm) network bay frame at desired location and fasten with four No. 12-24 screws provided (see Figure 2).

Note: The front cabled, front cross-connected panel is shown mounted from the front of the frame to the narrow flange of the unequal flange bay. The front cabled/front cross-connected panel is also suited for wall mounting and applications where the rear of the frame is inaccessible.

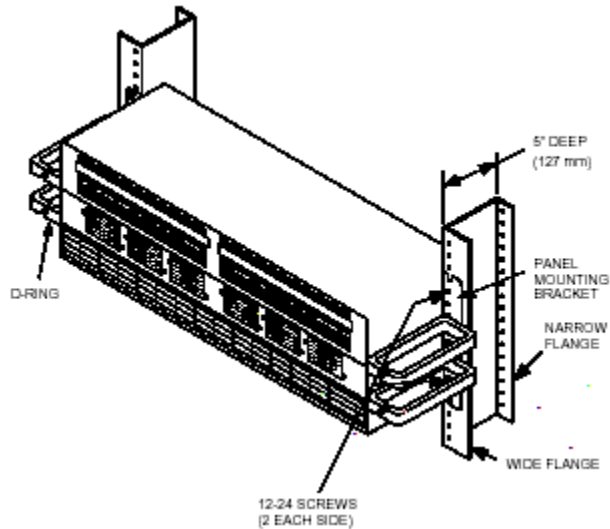


Figure 2. Mounting Panel in Frame

Equipment and Power Wiring

1. Loosen two screws that secure cable tray to access equipment wire-wrap blocks (see Figure 3).
2. Remove cable tray by pushing up lightly then pulling out.
3. At equipment wiring terminals, terminate wiring to T IN, T OUT, R IN, and R OUT terminals with an appropriate wire-wrapping tool. Use an insulated bit.

Note: To minimize cross-talk, maintain the twist in the pairs as close to the wire-wrap pins as possible.

4. Connect -48 V and ground wiring to the lower terminal block.
5. Connect office frame ground to the Chassis Ground (CG) terminal. Wire sizes larger than 22 AWG (0.6 mm) require an appropriate terminal lug.
6. Reattach the cable tray by placing the two keyhole slots over the loosened screws and push down lightly to seat in keyhole slots. Tighten screws.

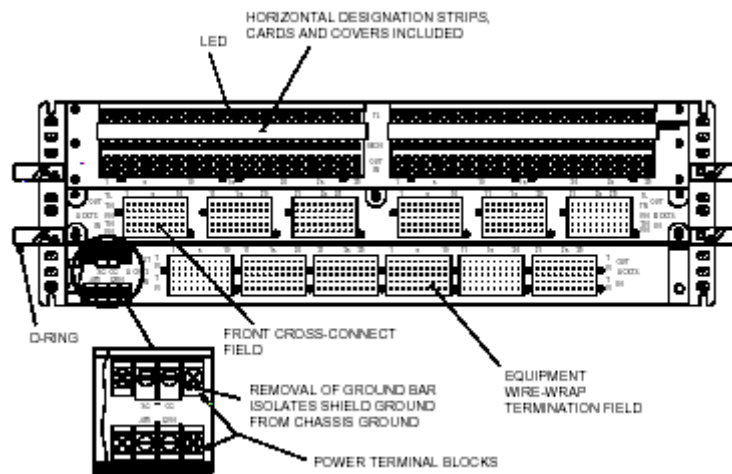


Figure 3. Rear View of Panel with Cable Tray Removed

Front Cross-Connect Wiring

1. Route cross-connect wires through the D-rings and cable tray (see Figure 4).
2. Attach cross-connect jumpers on the required jack circuits with appropriate wire-wrapping tool. The Y2- type cross-connect wire is recommended.

Note: To minimize cross-talk, maintain the twist in the pairs as close to the wire-wrap pins as possible.

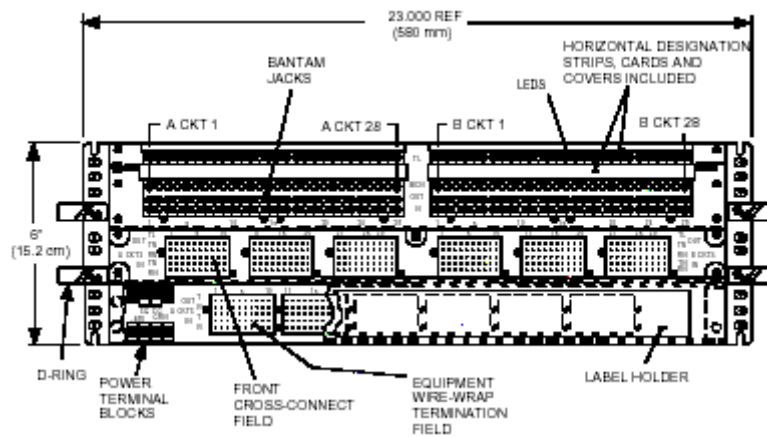


Figure 4. Front View of Panel with Cable Tray and Label