

General

The Bantam Plus rear cabled /front cross-connected 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 the mounting procedures for the rear/front panels.

Equipment Description

Each jack circuit is comprised of a Light Emitting Diode (LED) and IN, OUT, and MON (Monitor) jacks. Horizontal designation strips are mounted on the front panel. Wire-wrap terminals are provided on the rear of the panel for IN/OUT equipment terminations. Cross-connect wire-wrap terminals are located at the front of the panel behind the hinged door. 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 the appropriate 2.5-inch by 4-inch, or 4-inch by 4-inch (65 mm by 100 mm, or 100 mm by 100 mm) D-Rings, provided, to the mounting bracket (two per bracket) using eight No. 6-32 screws provided (see Figure 1).

Note: It is recommended that the 4-inch by 4-inch (100 mm by 100 mm) D-Rings be used unless the existing bay arrangement uses 2.5-inch by 4-inch (65 mm by 100 mm) D-Rings.

3. Position mounting bracket on side of jack panel (see Figure 1).

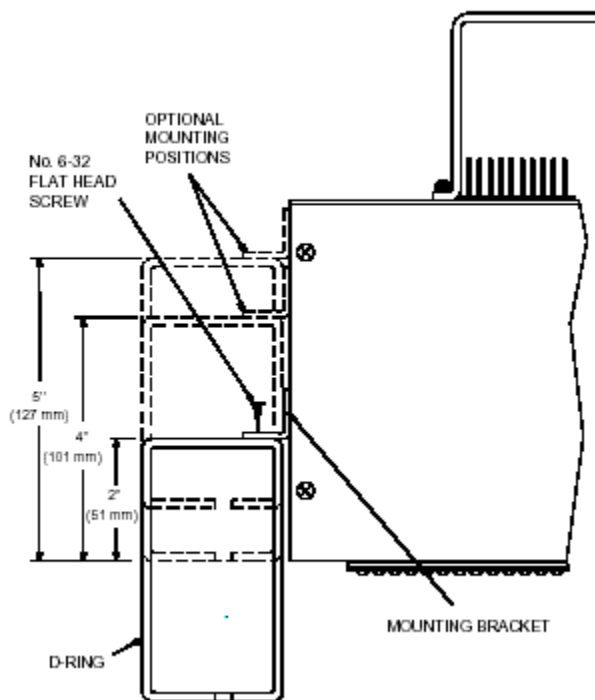


Figure 1. Attaching D-Ring and Mounting Bracket

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 rear cabled/front cross-connected panel is always mounted from the front of the frame to the wide flange of the unequal flange bay.

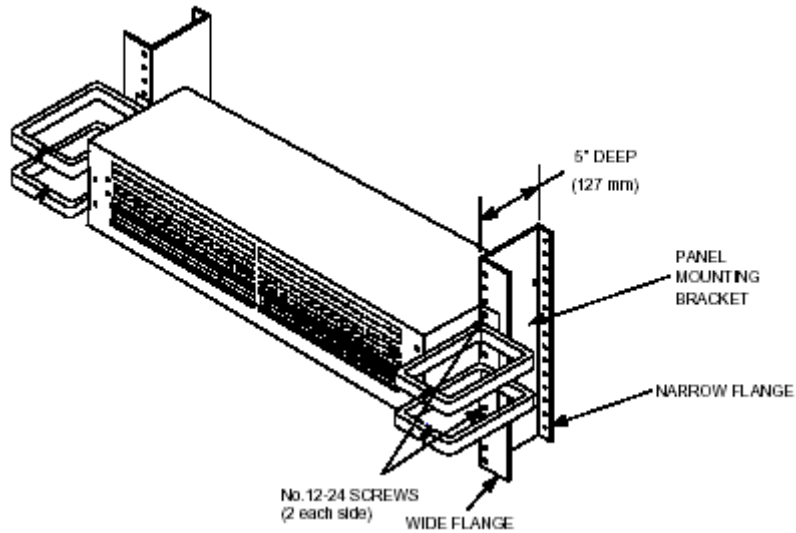


Figure 2. Mounting Panel in Frame

Equipment and Power Wiring

1. Terminate rear equipment wiring at the rear of the panel to T IN, T OUT, R IN, and R OUT terminals with appropriate wire-wrapping tool (see Figure 3). Use an insulated bit.

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

2. Dress and tie wires to support bar on rear of panel.
3. Connect -48V and GRN (Ground) wiring to lower terminal block.
4. Connect office frame ground to CG (chassis ground) terminal on upper terminal block. Wire sizes larger than 22 AWG (0.6 mm) require an appropriate terminal lug.

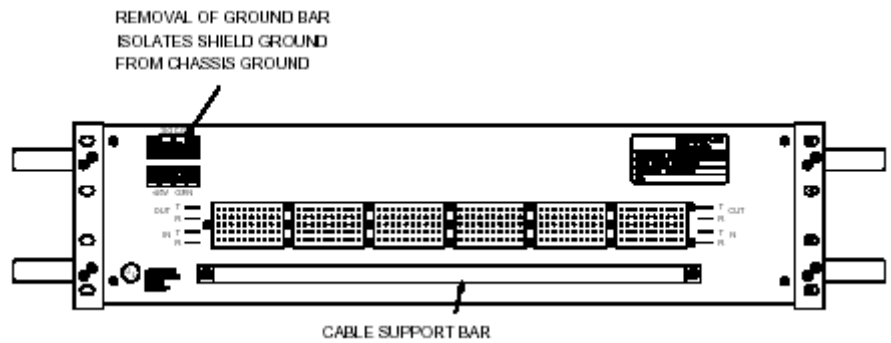


Figure 3. Rear View of Panel

Equipment and Power Wiring (Continued)

5. Open hinged cable tray door on the front of the panel to expose cross-connect field (see Figure 4).
6. Route jumper wires through D-rings and cable access opening at either side of panel (see Figure 5). Use wire tray and fanning strip for wire support.
7. Attach cross-connect jumpers on the required jack circuits with appropriate wire-wrapping tool. 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.

Note: The hinged wire tray door may be removed.

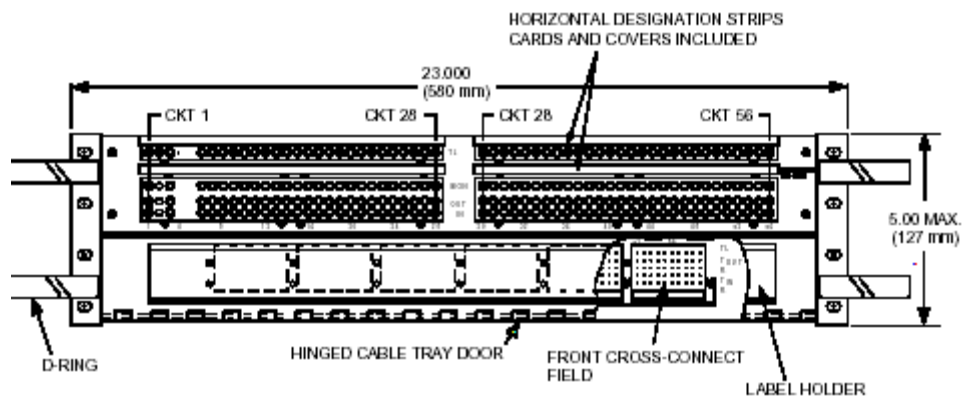


Figure 4. Front View of Panel

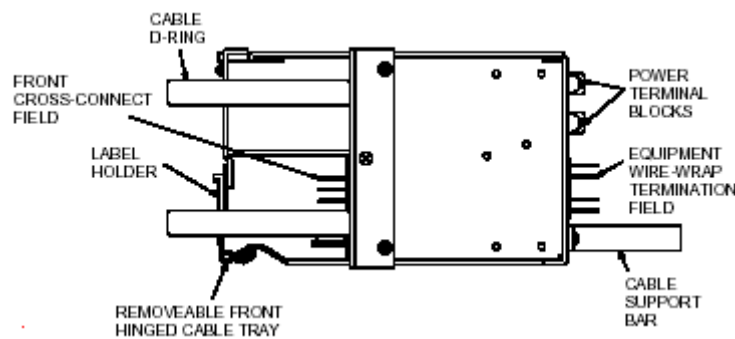


Figure 5. Side View of Panel