

# Installation Instructions

## Model Number 1074-PROJ

### Assembly Components:

- Ceiling enclosure Model 1074-PROJ assembly – 1 each
- Universal Projector Mount – 1 each
- Electrical Junction Box – 1 each
- Electrical Receptacle – 1 each
- Electrical Receptacle Cover – 1 each
- ½" Trade size cable clamps – 1 each
- Fire Block Foam – 2 each
- Support wire – 8 each
- Wire Management J-Hook – 1 each
- Self Drilling Screw – 4 each
- Keys for access door lock – 2 each
- #6 – 32 x 3/16 screw – 4 each
- #10 – 32 x 3/8 screw – 4 each
- Installation Instructions – 1 each

If any of these items are missing, contact your Oberon representative.

Find a flat work surface to assemble the *multimedia ceiling enclosure* and any other network/cellular components prior to mounting in ceiling.

**Step 1** – Place the *multimedia ceiling enclosure assembly* on the work surface with the door facing up and keyed doorway unlocked. If applicable, remove patch panel and fiber ingress cover plates (Figure 1) located on the outside edge and back of the box (near key lock) and install patch panel and CCH style fiber optic adapter panel according to the manufacturer's specifications.

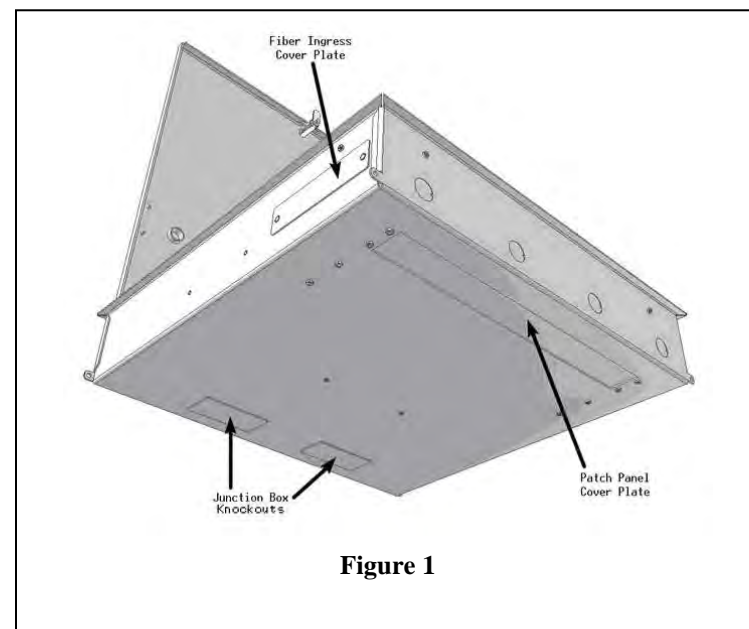


Figure 1

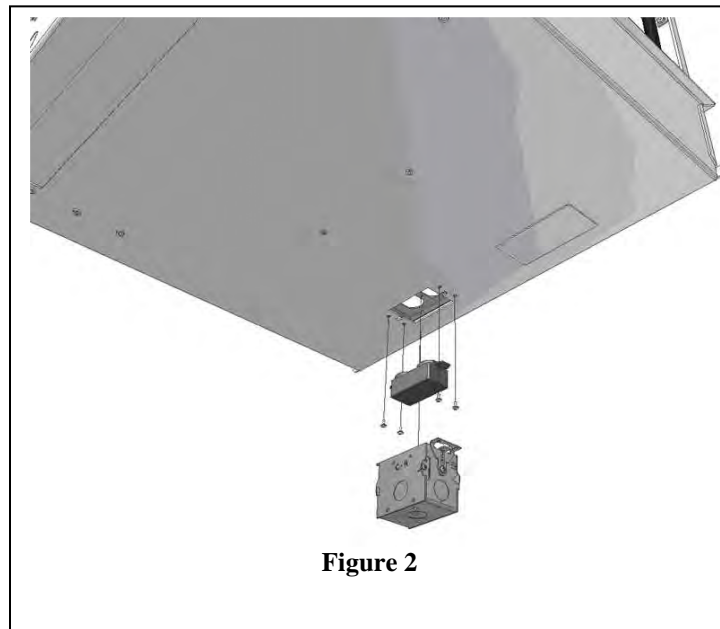


Figure 2

**⚠️\*\*IMPORTANT\*\*** - If patch panel or adaptor panel are not used, the covers should remain in place.

**Step 2** – Attach the electrical junction box to the cutout located near the back of the enclosure (Figure 2) with four (4) #6-32 screws.

**⚠️\*\*IMPORTANT\*\*** - The electrical junction box must be attached to the back box with all four (4) screws for it to be grounded properly. A power supply outlet MAX 125VAC, 20A should be used.

**Step 3** - Prior to installing the projector mount find a suitable location for the enclosure to be mounted in the ceiling. There is a pattern of holes on the door that allow you to move the mount from side to side giving the installer several inches of freedom to move the projector if projector screen is not perfectly centered. Install Chief Projector Mount (P/N CHIICPRIA1T03 or SANVMPIR1B) w/ the (4) #10 - 32 screws provided with the mount (Figure 3). For added security, Chief provides a special hex screw that can only be used with the manufacturers hex key.

Page 2

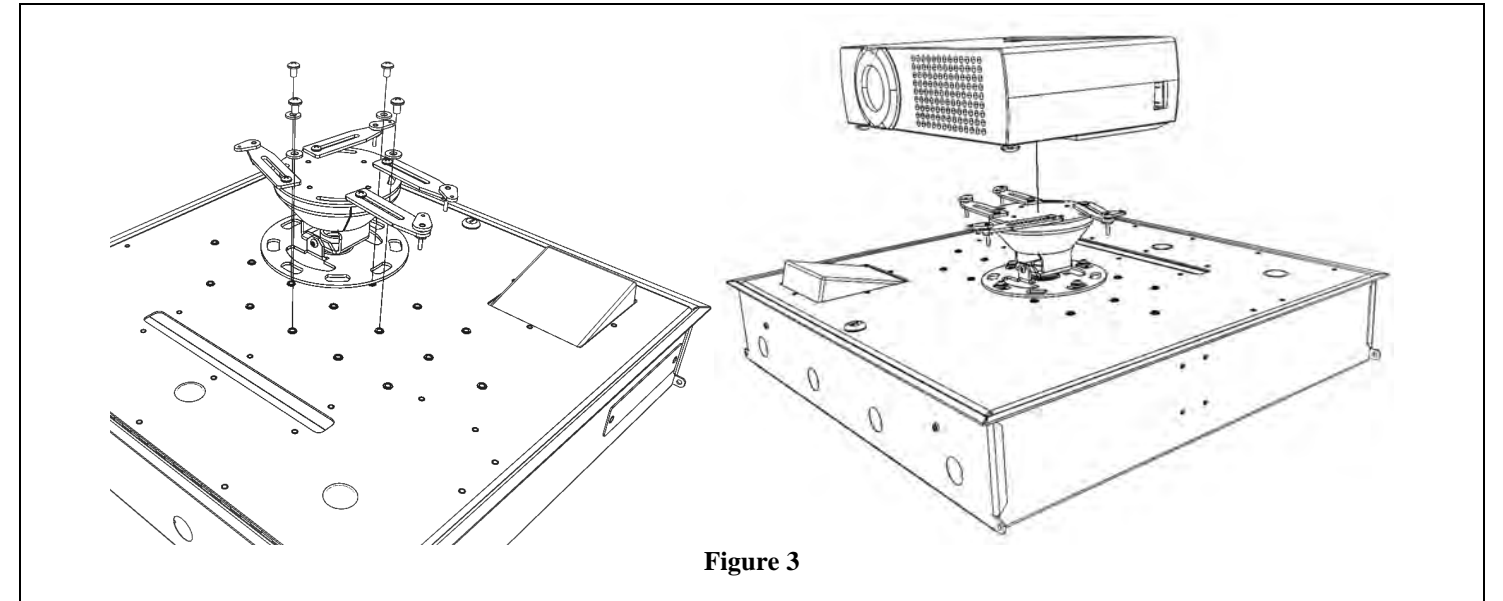


Figure 3

**Step 4** - The Chief Projector Mount has arms that extend to several different positions (Figure 3). Attach the projector to the Chief Projector mount according to the manufacturers instructions (provided with the mount). Make sure not to tighten the screws completely because adjustments may need to be made.

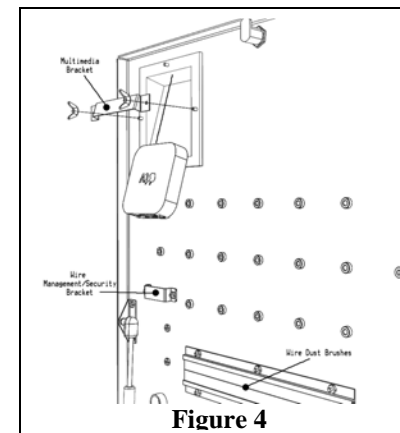


Figure 4

**Step 5 - (Optional)** Attach any multimedia devices such as the AppleTV™ and Roku™ with the bracket provided shown in Figure 4. A piece of foam (provided) should be placed between the multimedia device and the bracket to provide a secure fit and prevent any damage to the device. Cable(s) can be run through the wire management/security bracket and attached to the projector by running it out through the dust brush.

**Step 6 - (Optional)** Use the manufacturers T-Bar mount clip to attach the access point to the T-Bar mount inside the enclosure. An additional mounting plate provided by the manufacturer of the access point may be needed to attach the access point (Figure 5). Data cable(s) may need to be plugged in to the access point prior to attaching to the mount. **Cisco access points use Cisco AIR-AP-BRACKET-2 for 2600/3600 series access points and AIR-AP-BRACKET-1 for 1140/3500 series.**

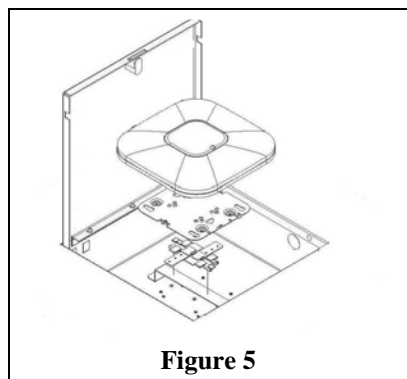


Figure 5

**Step 7 - (Optional)** Install all rack mounted equipment to the mounting brackets with four (4) #10-32 screws. The maximum height the enclosure can accommodate is 2U and the maximum length is 14". The mounting brackets can be repositioned to fit networking equipment of various lengths (Figure 6).

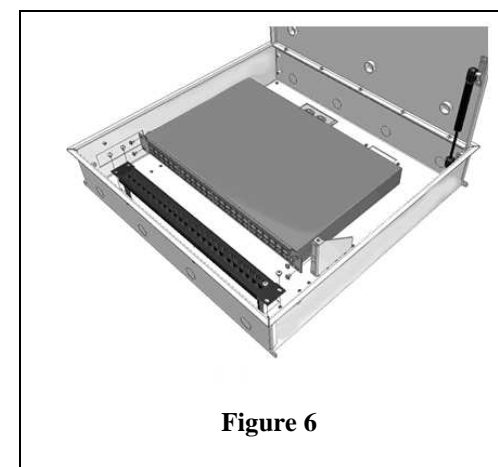
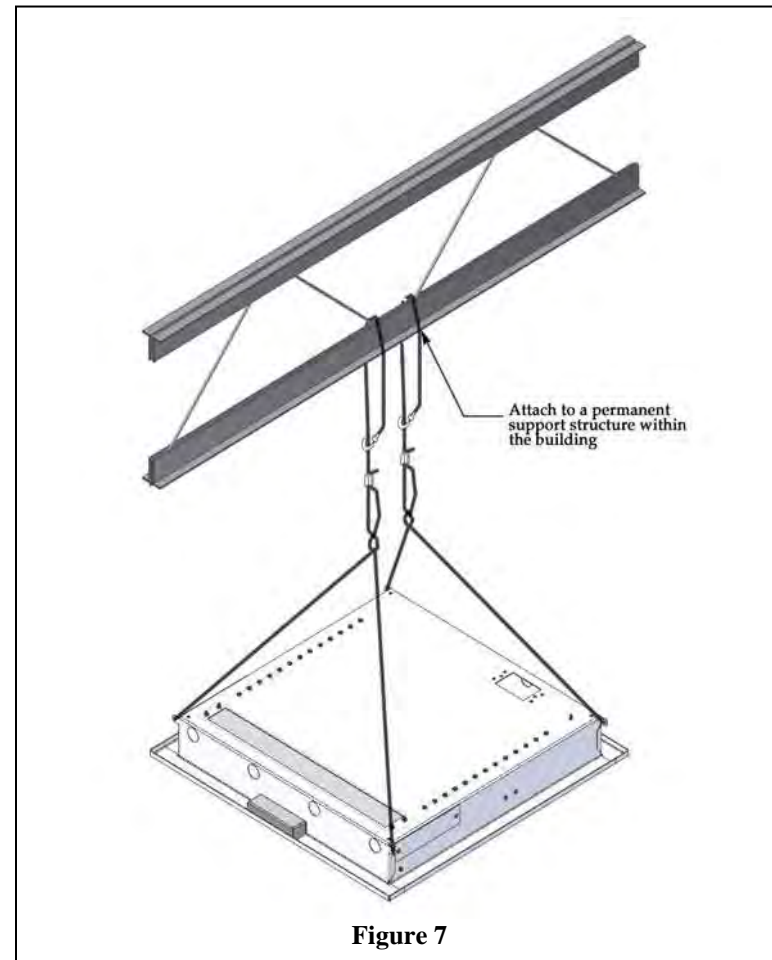


Figure 6

The assembled unit is now ready for ceiling installation.

Page 3

**⚠️\*\*IMPORTANT\*\*** - This is an important safety feature that could prevent human injury or damage to the equipment should the unit become dislodged from the ceiling.



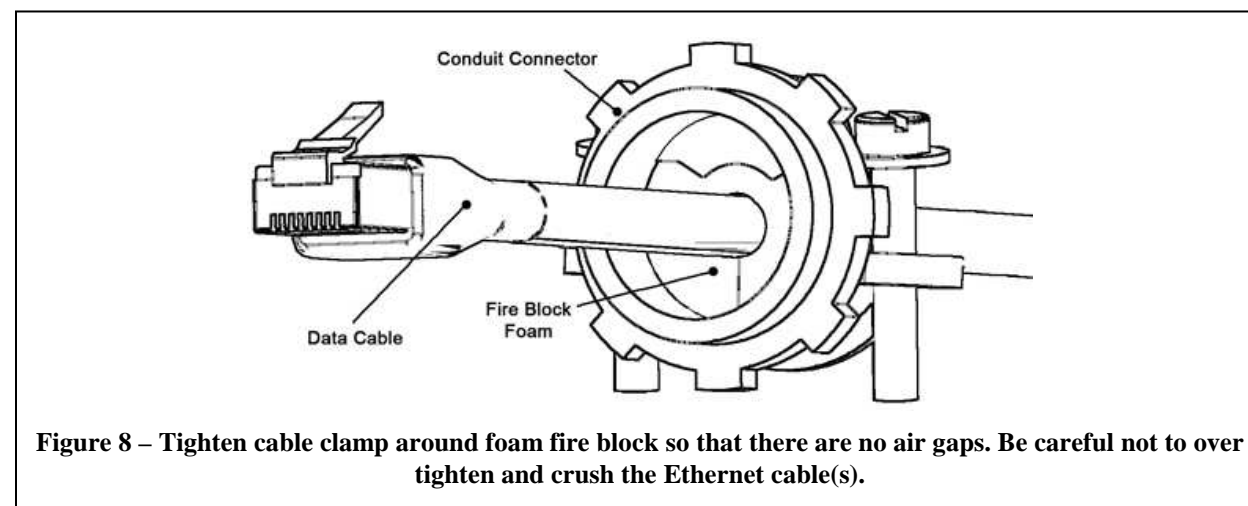
**Step 8** – Use support wires (included) to support the *multimedia enclosure*. Attach one end of the wire to the eye tabs located along the edge of the back box and the other end to a permanent structural component of the building such as a joist. A supporting grid wire should be attached to all four corners (Figure 7).

**Step 9** – Once the *multimedia enclosure* is installed in the ceiling, run the power cable to the electric junction box. The junction box/receptacle should be wired according to electrical codes.

**⚠️\*\*IMPORTANT\*\*** - This procedure should be done by a trained electrician.

**Step 10** – Run the data and power cable (if required) through the conduit connectors located on sides of the *access point enclosure*. In order to maintain a separation of signal and power, install the data and power cables through opposite sides of the enclosure utilizing the two knock-outs provided. Insert foam into the conduit connector and pull the data cable through far enough to allow attachment to the access point (8" - 10"). Carefully tighten conduit connector around fire block foam just enough to fill in gaps around cable. Be careful not to over tighten and crush the data cable(s), as this can affect cable performance (Figure 8). Attach any additional data cables as necessary and power up the networked devices (*these should be plugged into the power outlet installed in the multimedia enclosure*).

**Step 9** – Close and lock the access door. The installation is now completed.



**Note:** The Oberon Model 1074-PROJ multimedia enclosure is specifically designed to be used with networking equipment no bigger than 2U deep and 14" in length.



# MODEL 1074-PROJ

## Installation Instructions

### \*\*\*\* WARNING \*\*\*\*

**Please thoroughly read the product warning below before installation to provide for a safe work environment.**

1. Ceiling mounted products should be installed in accordance with National Electric Code paragraphs 300.10 (Electrical Continuity of Metal Raceways and Enclosures) and 300.11 (Securing and Supporting). Independent support wires or other means must be used for the installation of this product in the ceiling. Acoustical, suspended, false, drop and concealed spline ceiling grid work is not designed to support the weight of this product. Oberon's ceiling mounted products have four support wire tabs on the back box. These tabs shall be used for supporting the product with independent support wires, wire rope, threaded rod, or other secure support means of adequate gauge and fire resistance.
2. When closing the enclosure access door, be sure that the cam lock is completely engaged to prevent the access door from accidentally swinging open.
3. When opening the enclosure door, be sure to support the door to prevent the door from accidentally falling open.
4. This enclosure has a maximum operating ambient of 55° C (131° F), the temperature within the enclosure may not exceed this temperature, depending on power dissipation within enclosure.
5. A minimum air clearance of 1" between the housing of the access point and the enclosure side walls must be maintained for the safe operation of the equipment.
6. This product is intended to be installed by trained personnel.
7. Only Listed ITE products and Listed AC Receptacles shall be installed within the enclosure.
8. This product is to be repaired by personnel trained by the manufacturer or returned to the manufacturer for repair or replacement.
9. Maximum weight to be installed in the unit is 44 lbs.
10. All knockouts, openings, and holes shall be sealed with a plug constructed of metal, or a non-metal material that complies with UL 2043 or UL 1479.
11. All unused mounting holes should be sealed with tape or other material that complies with UL 1479.
12. If AC power is used inside the enclosure, connect the ground wire to the green ground screw located near the knockout in the backbox.