Ceiling-Wall Arm with Tee | Small Canopy | Remote Power | Single Rail
BoxRail®, RaceRail®, WingRail® | 107

Please read instructions in their entirety before proceeding with any part of the installation. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Consult a qualified electrician to ensure correct branch circuit rating. To prevent electric shock, disconnect all power before installing or servicing product. Rated for use in dry and damp locations only. Retain instructions for future reference.

Technical Support: 707-996-9898 or technicalsupport@vode.com
NOTE: Single Rail systems do not have any Double Mounting components.

NOTE: WingRail rail orientation is very important. Be sure wire harness connection (power) is on the right side of the rail and it is oriented as shown.
Installation Instructions

1 Install J-Box

Determine layout using center-to-center dimensions (See page 5). Secure mini j-boxes to structure. The face of the j-box should be flush with drywall surface. The mini j-box is supplied with alignment lines for 3/4", 5/8" and 1/2" drywall to aid in installation. 

NOTE: Vode low voltage wire harness is plenum rated. Install conduit to power supply housing as needed, per local building code.

2 Install Remote Power Supply

Install power supply housing to desired surface using screws (provided by others). Run line voltage wiring into power housing through knockout and secure with 1/2" NPT fitting. Ground housing by connecting ground/earth to green slot in the quick-connect. Connect common/neutral to white slot in quick connect and line/hot to black slot in quick disconnect. (See page 7 for wiring questions.)

3 Install Mounting Plate

After drywall has been installed, use provided screws to install Mounting Bracket, then Arm Tab to Mini J-Box. The mounting plate will sit on top of the drywall.

4 Install Arm

Place arm over mounting bracket flanges and secure using provided screws. Screws should be on top of arm or the least visible position for ceiling mount.
5 Install Canopy
Carefully slide canopy over arm and snap onto mounting plate.

6 Install Wire Harness
Feed low voltage wire harness through arm and j-box into remote power housing. Power should always be brought into the right side of the fixture. Connect wire harness to power supply using Red (+) and Black (-) leads. Leave approximately 1" of wire harness hanging out of the arms.

DO NOT POWER ON

7 Install Tee
Connect wire harness to jumper in the tees using quick connects, as shown below. Be sure connectors are firmly fastened. Push excess wire into the arm and insert tee into the arm. Secure tees to the arms using provided screws.
8 Install Rail

Connect rail wire harness to power wire harness. Be sure connectors are firmly fastened. Push excess wire into the arm(s), insert rail hub into arms and lightly secure in place using provided screws. Ensure both hubs are aligned and rotate easily before securing. DO NOT FORCE.

POWER SYSTEM ON.
Appendix | Center to Center Dimensions

- **2' Rail**
  - 2.375' (603 mm)
- **3' Rail**
  - 3.575' (908 mm)
- **4' Rail**
  - 4.75' (1213 mm)
- **5' Rail**
  - 5.975' (1518 mm)
- **6' Rail**
  - 7.175' (1822 mm)

- **2' Rail**
  - 24" (610 mm)
- **3' Rail**
  - 36" (914 mm)
- **4' Rail**
  - 48" (1219 mm)
- **5' Rail**
  - 60" (1524 mm)
- **6' Rail**
  - 72" (1829 mm)

- **2' Rail**
  - 23.75" (603 mm)
- **3' Rail**
  - 35.75" (908 mm)
- **4' Rail**
  - 47.75" (1213 mm)
- **5' Rail**
  - 59.75" (1518 mm)
- **6' Rail**
  - 71.75" (1822 mm)

- **2' Rail**
  - 23.75" (603 mm)
- **3' Rail**
  - 35.75" (908 mm)
- **4' Rail**
  - 47.75" (1213 mm)
- **5' Rail**
  - 59.75" (1518 mm)
- **6' Rail**
  - 71.75" (1822 mm)

- **2' Rail**
  - 23.5" (597 mm)
- **3' Rail**
  - 35.5" (902 mm)
- **4' Rail**
  - 47.5" (1206 mm)
- **5' Rail**
  - 59.5" (1511 mm)
- **6' Rail**
  - 71.5" (1816 mm)
Appendix | Install Cable Tie-Back

Vode provides cable tie-back support for all Wall Mount systems with arms 6” and longer to prevent sag.

**NOTE:** Install cable tie-back support **AFTER** securing the rest of the system.

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**Step 1: Install Anchor**

Carefully unscrew anchor from cable coupler. Using supplied screw, secure anchor to wall for all single and double arms. Cables should be installed at a 45° angle.

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**Step 2: Install Cable**

Insert cable into arm keyhole.

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**Step 3: Secure Cable(s)**

Screw cable coupler to back plate.

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**Step 4: Adjust System**

Adjust cable using cord gripper to level system. Once level, cut excess cord, leaving at least 2 mm.
Appendix

Trouble Shooting Guide

My fixture will not turn on:

Check all wiring is correct and all connections are fastened properly.

If all wiring is correct, remove fixture and connect it to a known working driver. If the fixture lights up, then the problem is with the installed driver or wiring:

1) Check line voltage to driver is present.
2) Check driver wiring (see Vode Driver Guide for details) and check wiring to fixture.
3) Check driver and dimming system are compatible (see Vode Dimmer Guide and the dimmer manufacturer's website).

If fixture still doesn't light up, check that all dimming wires are installed correctly. Reversed polarity on any driver will cause the entire system to not work, (see Vode Driver Guide for wiring details).

The fixture is not dimming properly:

Check all wiring is correct and all connections are fastened properly.

Check driver wiring (see Vode Driver Guide for details). Make sure driver is compatible with dimming controls (see Vode Dimmer Guide and the dimmer manufacturer's website).

Rail is not rotating:

DO NOT FORCE RAIL! When properly installed, rails will turn easily.

Check that both hub set screws are loose. If rail will still not turn, uninstall rail from arms, paying attention to the wire harness connection. Check that both hubs and arm tabs are rotated in the same direction.

For any help with operation or technical information, contact Vode Tech Service at 707-996-9898 or technicalsupport@vode.com.

Important Notes

- Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA
- Operating Temperature: 32°F to 104°F (0°C to 40°C).
- Input Voltage: 120v - 277v, 50/60hz.
- Power Type: Class 2 (<60v) constant current driver.
- Dimming curve is factory preset to linear. Logarithmic is available upon request. See Vode Driver Guide for specific details and wiring diagram.
- Unless specified, one driver per rail will be supplied.
- 5 Year Limited Warranty. All material and component parts manufactured by Vode are guaranteed to be free from defects of material and/or workmanship for a period of 5 years from date of sale. Product must be installed according to Vode installation instructions and accepted trade practices. Power supplies and other auxiliary equipment are not covered under Vode warranty but may be covered by separate OEM warranty.

Remote Driver Distance

Note: All Vode remote drivers come in a 1/16" (0.8mm) formed steel, zinc chromate plated power supply housing with six (6) knockouts for 1/2" NPT fittings. Power supply housing dimensions: 1.9" (48.3 mm) x 1.9" (48.3 mm) x 24.5" (622.3 mm)

<table>
<thead>
<tr>
<th>Driver</th>
<th>Remote Distance</th>
</tr>
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<tbody>
<tr>
<td>eldoLED</td>
<td>72' (21.9 m)</td>
</tr>
<tr>
<td>Philips</td>
<td>32' (9.8 m)</td>
</tr>
<tr>
<td>OSRAM</td>
<td>16' (4.88 m)</td>
</tr>
<tr>
<td>Lutron</td>
<td>Zipper board: Standard / Low Output: 30' (9.14 m), High Output: 15' (4.57 m) Button board: Standard / Low Output: 15' (4.57 m) High Output: 10' (3.05 m)</td>
</tr>
</tbody>
</table>

For other wiring questions, see Vode Driver Guide.