

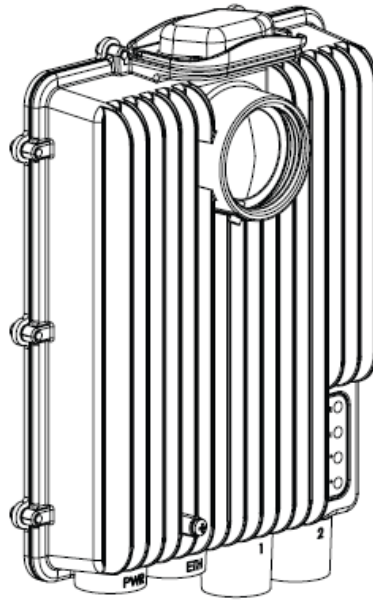


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mimosa.

mimosa B6x Carrier Class PTP Radio

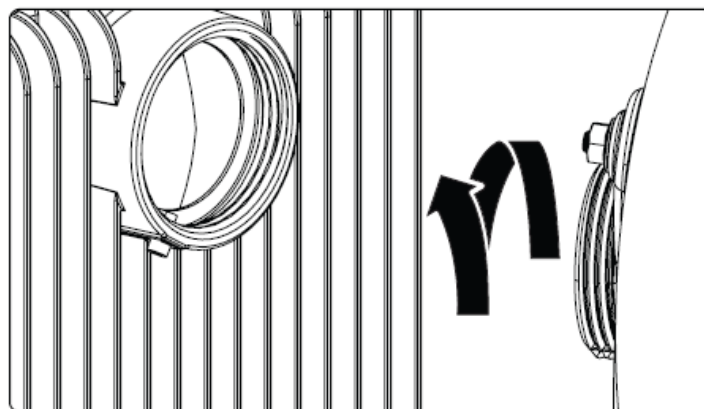


Required Items

- Mimosa N5-X series antenna
- Minimum 10 AWG (5.26 mm²) ground cable with pre-terminated ring terminal
- Mimosa Gigabit NID
- Small flat head type screwdriver
- Power over Ethernet injector compatible with B6x input power specifications

Attach Antenna

Mount the antenna by clockwise twisting into the radio threaded collar. Hand tighten until the O-ring seal is seated in the collar.

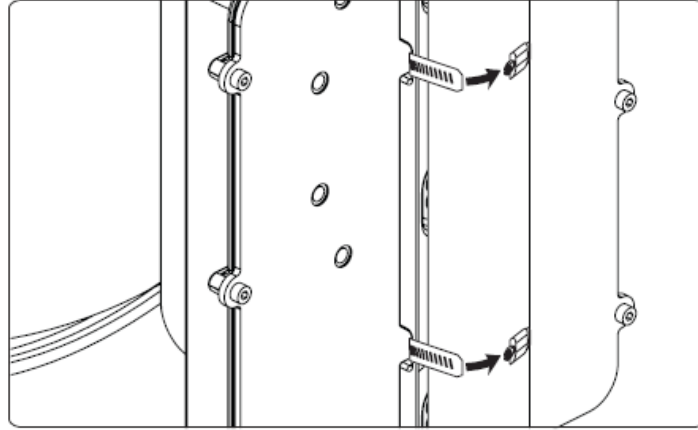


Tighten the B6x set screw.

If you are using the B6x standalone without an antenna, remove the set screw to allow drainage of any accumulated moisture in the threaded area.

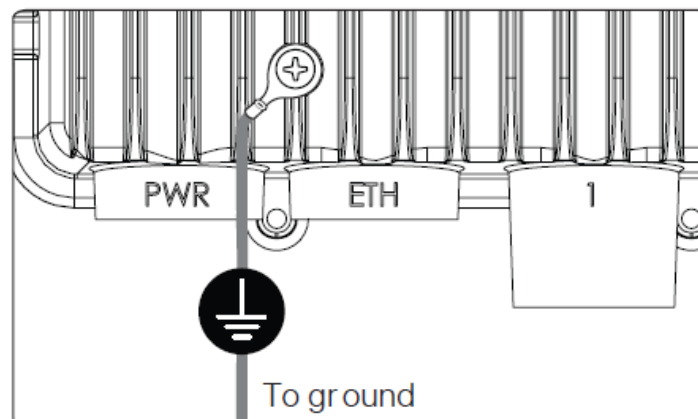
Mount

Using 2 hose clamp type pole straps, attach the B6x to the desired mounting pole. If elevation adjustment is needed, a Mimosa Fleximount XL or J-Mount is suggested. Other mounting options may be available for purchase from Mimosa.



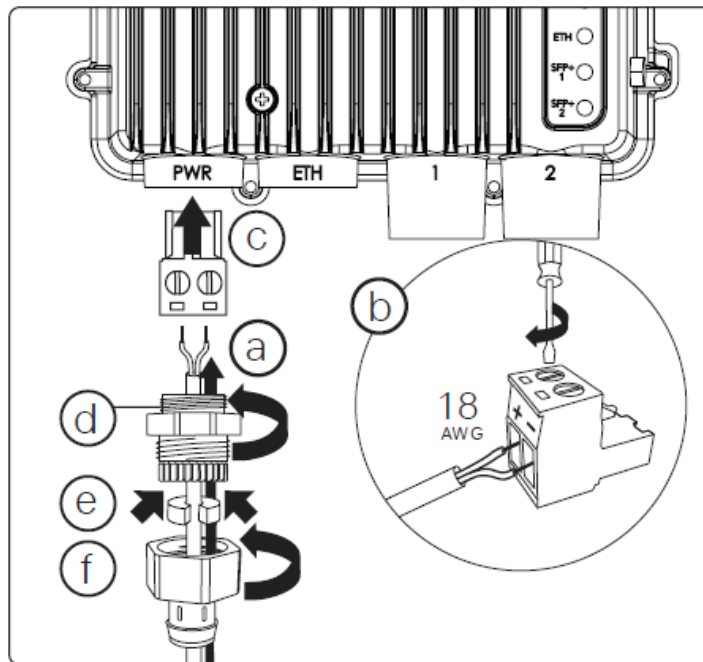
Grounding

Attach ground wire (not included) to the integrated grounding screw.



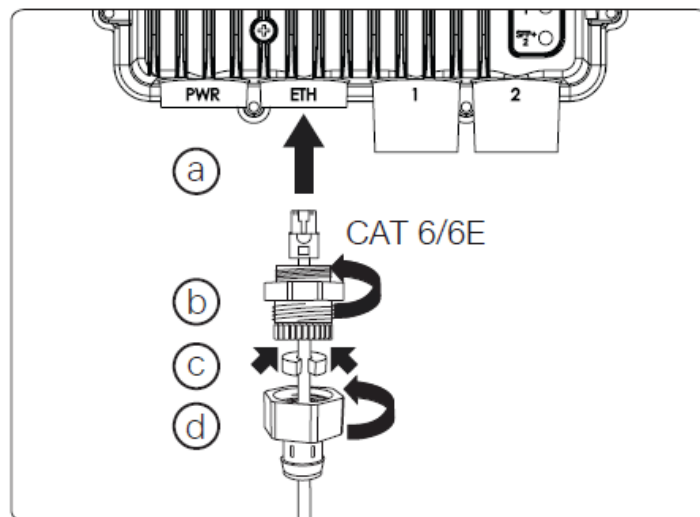
Dedicated 48VDC Power

- Thread an 18 AWG 2-pin cable through one the supplied IP67 gland/cap.
- Strip the wire jackets approximately 6-7mm, and attach to the supplied power connector terminals (+/- indicated in diagram). Tighten the terminal screws.
- Note: reverse polarization will not damage the device, however proper +/- wiring is required to apply power.
- Insert and snap the power plug and cable into the PWR port.
- Attach and tighten gland, attach the rubber insert to the cable, pushing it into the gland, then tighten the cap



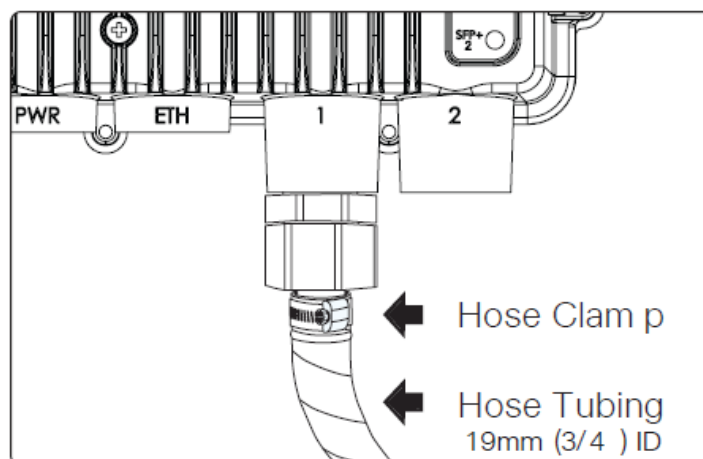
Gigabit Ethernet or PoE

- Insert a shielded CAT6/6A Ethernet cable through the IP67 gland/cap. Connect the cable to ETH port. Attach and tighten gland, attach the rubber insert to the cable, pushing it into the gland, then tighten the cap.
- PoE powering is optional and can be used as primary or as redundant/backup power to the 48VDC. Ethernet connection is NOT required if SFP+ optical fiber is being used.



Optional Flexible Conduit

The provided IP67 gland caps are designed to accommodate optional 19mm (3/4") inner diameter outdoor hose conduit/tubing, and hose-type clamps to secure the tubing. Both can be procured at most hardware stores.



Optional SFP+ Optical Fiber

Two SFP+ ports are provided to accommodate standard SFP+ 10 Gbps optical modules, and built-in switching between the ports for interconnectivity to other devices. Visit [support](#) for additional SFP+ module and configuration information.

Seal All Unused Ports

For any unused ports, tightly screw in the supplied port sealing caps to maintain the environmental integrity of the system.

Unlock and Configure

Visit start.mimosa.co to unlock the device.

Warnings, Warranty, Compliance & Regulatory Statements

Export Control

These commodities, technology, or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

Important Safety and Handling Information

Failure to follow any of the safety instructions in this guide, instructions on any Mimosa provided packaging, and heed WARNINGS (indicated by), could result in fire, electric shock, other injury or death, and incur damage to this product or other property and void the product's Limited Warranty.

There are no End User serviceable parts inside the equipment.

Read all operating and safety instructions contained herein and accompanying the

product as provided by Mimosa:

Electrical Safety Information

- Do not operate this product in any location that can be submerged by water.
- Do not install or maintain this product during the presence of an electrical storm to avoid risk of electric shock from lightning. Failure to ground the device according to the included instructions using shielded CAT6/6A Ethernet cabling could lead to serious injury or death.
- Installation of the product must comply with local and national electrical codes.
- Power specifications for connected devices are indicated on the device's own label or documentation. Connecting to any power source that does not meet the voltage, frequency and current requirements listed may damage the power supply or product, and pose a fire hazard.

Mandatory Grounding Instructions

IMPORTANT: Failure to properly ground the device using the following instructions will violate the limited warranty conditions in this document.

1. Required Step 1- Direct Grounding on the Device:

A minimum grounding wire of 10 AWG (5.26 mm²) with a secured grounding terminal, and shorter in length than 1 meter is required. It is NOT supplied with the product.

1. Ensure that NO power is being supplied to the product.
2. Locate the Ground point screw next to the Ground icon on the device
3. Remove the provided Ground Screw
4. Thread the ground wire terminal and ground wire meeting the above specifications over the screw removed in the previous step.
5. Replace and tighten the screw with the threaded ground terminal and cable at the product Ground point.
6. Secure the other end of the grounding cable to the properly grounded structure (pole, tower, mast, etc.) meeting local and national electrical regulations and codes.

2. Required Step 2 – Use Mimosa Gigabit NID for Grounding via CAT6/6A Shielded Ethernet:

The Mimosa Gigabit NID is required to provide enhanced Electrostatic Discharge

(ESD) protection for devices and the premises during electrical events. To prevent device damage, avoid ground voltage potential difference between the device integrated ground and the Gigabit NID ground. Failure to follow all instructions provided with the separately sold Mimosa Gigabit NID will violate the product warranty and could lead to serious injury or death.

End User Product Warranty

- Mimosa products purchased from Mimosa Networks are warranted against defects in material, and workmanship for a period of either (i) twelve (12) months from the date of activation, or (ii) thirty-six (36) months from the original date of shipment, whichever is earlier. Please go to www.mimosa.co/warranty to determine whether your product is in warranty.
- The sole responsibility of Mimosa under this warranty shall be limited to the repair or replacement of in-warranty defective product, at Mimosa's sole option. Out of warranty products shipped to Mimosa will not be returned.
- This warranty does not cover costs associated with the removal and/or reinstallation of the product for repair nor for any parts that are readily replaced in normal use.
- Mimosa or its designated partner will repair or replace product found to be defective during the defined warranty period.
- The End User is responsible for delivering defective product in accordance with the Return Material Authorization (RMA) processes published at www.mimosa.co/legal/RMA

Limitation of Warranty

The product warranty is invalidated if the RMA product is altered or otherwise tampered with in a manner that modifies the product from its original shipping configuration and/or form factor, and could violate the End User's authority to operate the equipment, unless said activity was performed by or with the written authorization of an Mimosa representative.

Modifications include:

- External surfaces that have been painted, labeled, or otherwise modified from the

original shipping condition.

- Modifications of the product with third-party hardware, firmware, and/or software.
- Any product subjected to abnormal physical or electric stress, including, but not limited to, lightning strikes, negligence, accident, or misuse.
- Any product damaged due to incorrect installation, including, but not limited to, improper product mounting, cabling, cabling defects connection to power.
- Failure induced by connected third party products. Installing the product outdoors without the use of a minimum CAT6/6A shielded Ethernet cable, improper grounding, or failure to ground the product as instructed in this guide will void the End User Product warranty.

Disclaimer

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You may have other rights specific to your legal jurisdiction. EXCEPT TO THE EXTENT ALLOWED BY THE LAW OF YOUR JURISDICTION, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, ANY MANDATORY STATUTORY RIGHTS APPLICABLE TO YOU IN THE LICENSE OF ANY EMBEDDED SOFTWARE. The United Nations Convention on Contracts for the

International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. In order to avoid the possibility of exceeding the FCC radio frequency exposure limit, human proximity to the antenna should be more than 3m.

When mounting the radio antenna, in accordance with the Part 15 UNII-1 band requirements, the antenna must not exceed 125 mW (21 dBm) e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon).

Important

Changes or modifications to this product not authorized by Mimosa Networks, Inc. could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product. The information in this guide may change without notice. The manufacturer assumes no responsibility for any errors that may appear in this guide.

Industry Canada

This Class A digital apparatus complies with Canadian CAN ICES-3(A)

Europe EU Declaration of Conformity

This device can be used in the European Community. A copy of the EU Declaration of Conformity is available at: www.mimosa.co/compliance

RoHS & WEEE Compliance

User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE).

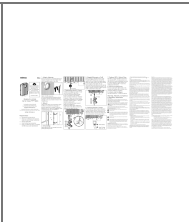
This document contains important information for users with regards to the proper disposal and recycling of Mimosa Networks Inc. products. Consumers are required to comply with this notice for all electronic products bearing this symbol.

Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

UNLOCK REQUIRED This device requires unlocking prior to use. For all unlocking instructions and options prior to onsite installation, please visit: mimosa.co/start

Documents / Resources

| | |
|---|---|
|  | <p>mimosa B6x Carrier Class PTP Radio [pdf] User Manual</p> <p>B6x, B6x Carrier Class PTP Radio, B6x, Carrier Class PTP Radio, Class PTP Radio, PTP Radio</p> |
|---|---|

References

- [User Manual](#)

💎 B6X, B6x Carrier Class PTP Radio, Carrier Class PTP Radio, Class PTP Radio, mimosa, PTP

📁 mimosa Radio

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