

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

mimosa.co/start

Flexible 5 & 6 GHz Carrier Class PTP Radio

For instructions, videos and help visit:

Para obtener videos y ayuda, visite:

Pour obtenir des vidéos et de l'aide, visitez:

support.mimosa.co

Para obtener instrucciones, videos y ayuda, visite:

Pour obtenir des instructions, des vidéos et de l'aide, visitez:

setup.mimosa.co

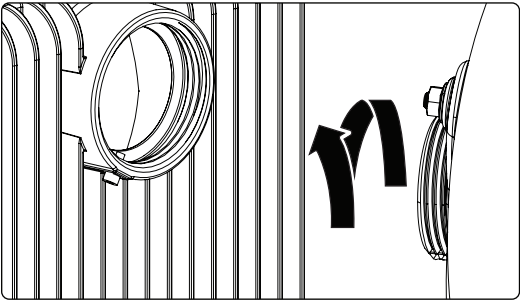
Required Items

- 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

B6x

1. 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.

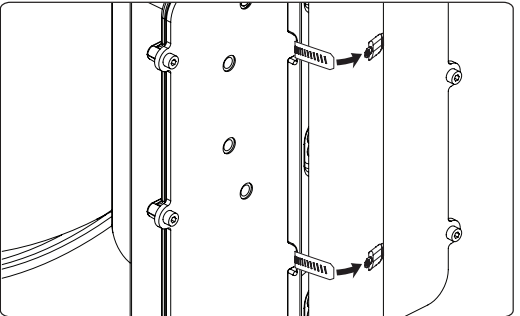


Tighten the B6x set screw.

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.

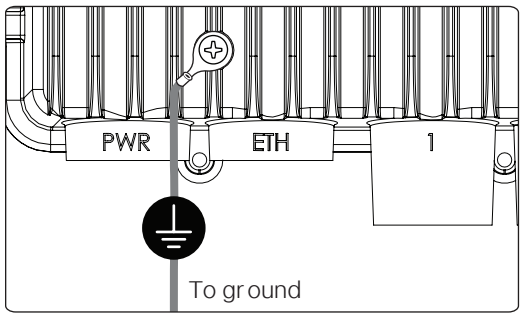
2. Mount

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.



3. Grounding

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

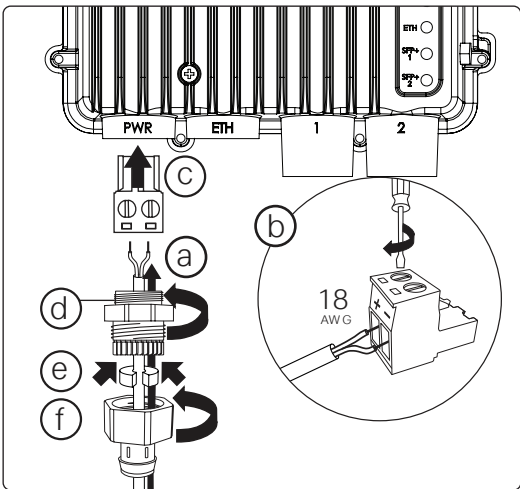


4. Dedicated 48VDC Power

- 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

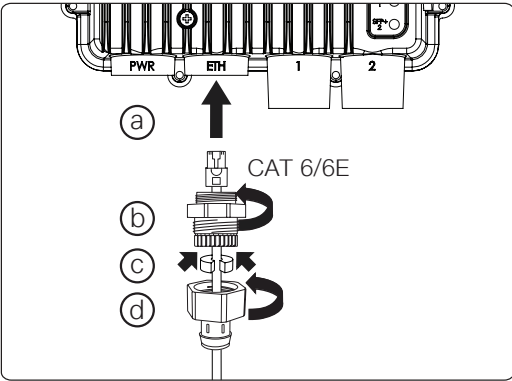
power connector terminals (+/- indicated in diagram). Tighten the terminal screws. Note: reverse polarization will not damage the device, however proper +/- wiring is required to apply power.

- 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



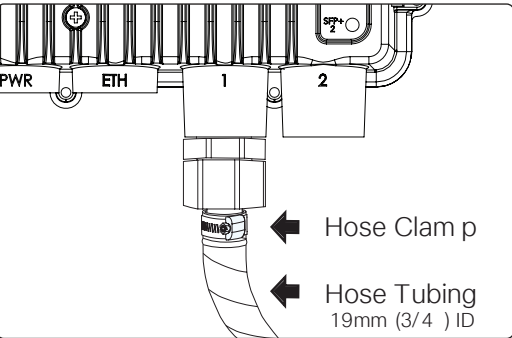
5. Gigabit Ethernet or PoE

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.



6. 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.



7. Optional SFP+ Optical Fiber

Two SFP+ ports are provided to accomodate 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.

8. Seal All Unused Ports

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

9. 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.

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.

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 or connection to power.
- Failure induced by connected third party products.

Installing the product outdoors without the use of 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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Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY THE LAWS IN YOUR JURISDICTION, IN NO EVENT WILL AIRSPAN OR ITS SUPPLIERS OR LICENSORS BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), NOR FOR DAMAGES BASED ON UNAUTHORIZED USE OR ACCESS, ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL AIRSPAN, ITS SUPPLIERS' OR ITS LICENSORS' DIRECT LIABILITY EXCEED THE VALUE OF THE LICENSED PRODUCTS GIVING RISE TO SUCH LIABILITY. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY. IN NO EVENT SHALL AIRSPAN BE RESPONSIBLE FOR DAMAGES OR CLAIMS OF ANY NATURE OR DESCRIPTION RELATING TO NETWORK PERFORMANCE, INCLUDING COVERAGE, YOUR SELECTION OF AIRSPAN PRODUCTS FOR YOUR PARTICULAR APPLICATION AND/OR FAILURE OF AIRSPAN PRODUCTS TO MEET GOVERNMENT OR REGULATORY REQUIREMENTS.

Some legal jurisdictions do not allow exclusions of implied warranties or conditions, or for the exclusion or limitation of liability for incidental or consequential damages, so the above exclusion may not apply to you.

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

