

Modus



USER MANUAL | ACN-2K | Volume Knob | Marine Grade



Welcome to Modus.

You've chosen precision performance that works seamlessly in the background of every adventure. These instructions will help you unlock your system's full potential.

Take a moment to review these guidelines, then keep this guide handy for future reference.

Introduction

This product is NMEA 2000® approved and designed to add auxiliary volume control to a dedicated marine radio (**Modus model MX23/ MX44/ MX30BB**, sold separately) via the NMEA 2000 network in your vessel. Connect this controller and your marine radio to the vessel network using applicable NMEA 2000 cables and connectors (not included), so that both can work together.

Package Contents

- 1x NMEA 2000 network controller
- 4 x Mounting screws (TA2.8 x 19mm)
- User manual and warranty

Warning

Please read and understand all instructions before you use your product. Failure to follow the instructions could result in injury and/or damage that could potentially void the warranty.

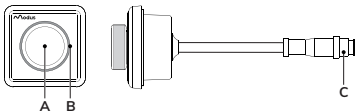
Safety precautions

- Do not disassemble or modify this product. This can damage the product.
- Be sure to observe the following guidelines:
 - Do not increase speaker volume so high that you cannot hear what is around you.
 - Use caution or temporarily discontinue use in potentially hazardous situations.
- Servicing must only be carried out by an authorized technician. Contact our technical support for service questions.

Installation precautions

- Installation must be performed by a professional.
- Disconnect the negative terminal of the vehicle battery prior to installation.
- Do not install the product near sources of heat.
- Route and secure the cables safely. Make sure the cables are not pinched or damaged by sharp objects.

Product Overview

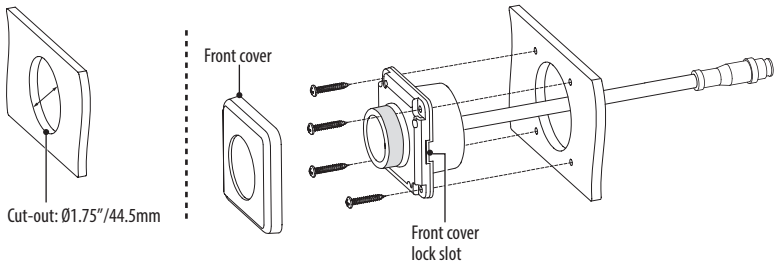


- A. Control knob
- B. Status LED ring
- C. NMEA 2000 network connector (Micro-C)

Mounting

Before you drill or cut any holes, investigate your vehicle's layout very carefully. Take special care when you work near the fuel tank, fuel lines, hydraulic lines and electrical wiring.

1. Choose an appropriate location and cut a hole (\varnothing 1.75" / 44.5 mm) in the mounting surface. See the next illustration.
2. Remove the front cover of the unit. Find the lock slot around the edge of the unit's back side, then pry the cover away from the unit using the lock slot.
3. Place the unit into the mounting hole and mark the surface for four mounting screw pilot holes. Remove the unit from the mounting hole.
4. Using a 5/64" drill bit, drill four pilot holes in the mounting surface at the pilot hole marks.
5. Connect NMEA 2000 cable and secure the unit into the mounting hole using the four supplied screws. Replace the front cover after installation is completed.



Connection

Before you can use this controller, you need to set up the connection.

What you need

- NMEA 2000 network in your vessel
- NMEA 2000 network cables and connectors/Micro-C (not included)
- A dedicated marine radio (**Modus model MX23/ MX44/ MX30BB**, sold separately)

Follow the instructions included with the NMEA 2000 starter kit to complete connections: Connect this controller and your source unit to the NMEA 2000 network connectors which are connected to the vessel network.

Operation

When the connection is made, you can use this controller to adjust volume of your source unit.

Increase/Decrease Volume

Turn the control knob clockwise or counter-clockwise to increase or decrease volume of the connected source unit.

Mute Volume

Press the control knob to mute or unmute the connected source unit. The LED ring flashes slowly when being muted.

Adjust Subwoofer-only Volume

1. Press and hold the control knob for **2 seconds** to enter the subwoofer volume setting mode. The LED ring flashes.
2. Rotate the control knob to adjust the subwoofer volume.

3. Press the control knob to save the adjusted volume.

If there is 10 seconds of inactivity, the subwoofer volume setting mode will automatically exit and the adjusted volume will not be saved.

Adjust LED Ring Brightness

1. Press and hold the control knob for **4 seconds** to enter the LED ring brightness setting mode. The LED ring flashes.
2. Rotate the control knob to adjust the LED ring brightness.
3. Press the control knob to save the adjusted brightness.

If there are 10 seconds of inactivity, the brightness setting mode will automatically exit and the adjusted brightness will not be saved.

LED Ring Indication

Steady Light: Connected to the source unit.

Flashing slowly: Volume muted.

Flashing quickly: Not connected to the source unit.

Specifications

Power supply.....12 VDC

Current draw.....130 mA

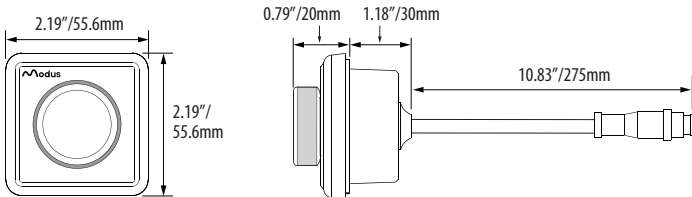
Device load equivalency.....LEN3

Connector type.....Micro-C (NMEA 2000)

Ingress protection.....IP66 (dustproof and weatherproof)

Mounting hole.....Ø 1.75" / 44.5 mm

Dimensions



Specifications are subject to change without notice.

Notice

Supported NMEA 2000 PGN List

Transmit

59392/ 59904/ 60160/ 60416/ 60928/ 126208/ 126464/ 126993/ 126996/ 126998

Receive

59392/ 59904/ 60160/ 60416/ 60928/ 65240/ 126208/ 126464/ 126996/ 130582/
130822

USER MANUAL

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