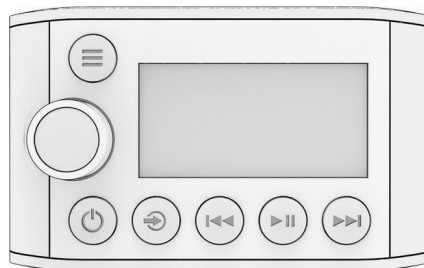


GARMIN®

JL AUDIO® MS-NRX300



Installation Instructions

Important Safety Information

WARNING

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Failure to install this device according to these instructions could result in personal injury, damage to the vessel or device, or poor product performance.

CAUTION

For the best possible performance and to avoid potential injury, damage to the device, or damage to your vessel, installation by a qualified marine installer is recommended.

To avoid possible personal injury, always wear safety goggles, ear protection, and a dust mask when drilling, cutting, or sanding.

NOTICE

When drilling or cutting, always check what is on the opposite side of the surface to avoid damaging the vessel.

Getting the Owner's Manuals

To fully understand the features and operations of your stereo, you can get the latest stereo owner's manual and translations of manuals from the web. You can also download the full remote owner's manual for more information about using this remote.

- 1 Go to garmin.com/marine.
- 2 Select a manual.

What's In the Box

- MS-NRX300 remote control
- Mounting gasket
- Four 8-gauge, self-tapping screws

Tools Needed

- Phillips screwdriver
- Drill
- 2.5 mm ($3/32$ in.) drill bit
- 50 mm (2 in.) hole saw
- Marine sealant (optional)

Connection Considerations

You can connect the MS-NRX300 remote control to a compatible stereo through an existing NMEA 2000® network.

A remote control connected to a NMEA 2000 network receives power through a power cable connected to the backbone and a power source.

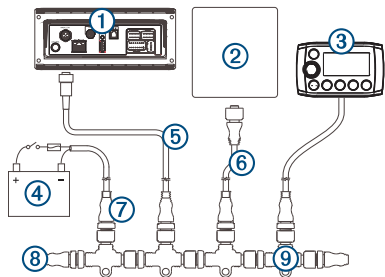
The MS-NRX300 controls all zones on a connected stereo and cannot be assigned to a single zone. The MS-NRX300 supports zone ratios on compatible stereos that support this feature.

NOTE: The MS-NRX300 is not compatible with legacy JL Audio® MediaMaster® stereos.

NMEA 2000® Connection Considerations

You may connect the remote control to the stereo using an existing NMEA 2000 network.

- You can connect more than three MS-NRX300 remote controls to one compatible stereo.
- You are connecting to a compatible stereo that cannot provide power to the remote.
- You can control a connected stereo from a compatible chartplotter.



Item	Description
①	Compatible stereo
②	Compatible chartplotter
③	MS-NRX300 remote control*
④	12 Vdc power source with an ignition or in-line switch
⑤	NMEA 2000 drop cable and T-connector, dependant on stereo. See the following table.
⑥	NMEA 2000 drop cable
⑦	NMEA 2000 power cable, 2 m (6 ft.)
⑧	NMEA 2000 terminator or backbone cable
⑨	NMEA 2000 T-connector*

*Components included with the MS-NRX300 remote control.

The NMEA 2000 network may include other NMEA 2000 devices.

NMEA 2000® Cables and Software Settings

All stereos require a NMEA 2000 drop cable and T-connector to connect to the NMEA 2000 network. You can extend the drop cable to a maximum length of 6 m (20 ft.) using a standard NMEA 2000 cable.

Mounting Considerations

When selecting a mounting location, observe these considerations.

- The device must be mounted in a location where there is at least 75 mm (3 in.) of clearance behind the mounting surface and you can access the controls after it is mounted.
- If you want to mount the device outside the boat, it must be mounted in a location well above the waterline, where it is not submerged.
- If you want to mount the device outside the boat, it should be mounted in a location where it will not be damaged by a docks, pilings, or other pieces of equipment.

Mounting the Remote Control

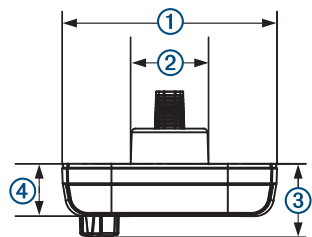
- 1 At the mounting location, use a 50 mm (2 in.) hole saw to cut through the mounting surface.
- 2 Place the remote control in the cutout and mark the pilot holes.
- 3 Remove the remote control from the cutout, and using a 2.5 mm ($\frac{3}{32}$ in.) drill bit, drill the pilot holes.
- 4 Apply marine sealant around the cutout (optional).
- 5 Place the gasket on the back of the remote control.
- 6 Feed the attached NMEA 2000® cable through the cutout.
- 7 Place the remote control in the cutout.
- 8 Secure the remote control to the mounting surface using the included screws.
- 9 Install the decorative bezel around the edges of the remote control.
- 10 Route the NMEA 2000 cable away from sources of interference and connect it to the NMEA 2000 network or the remote control network.

More Information

Specifications

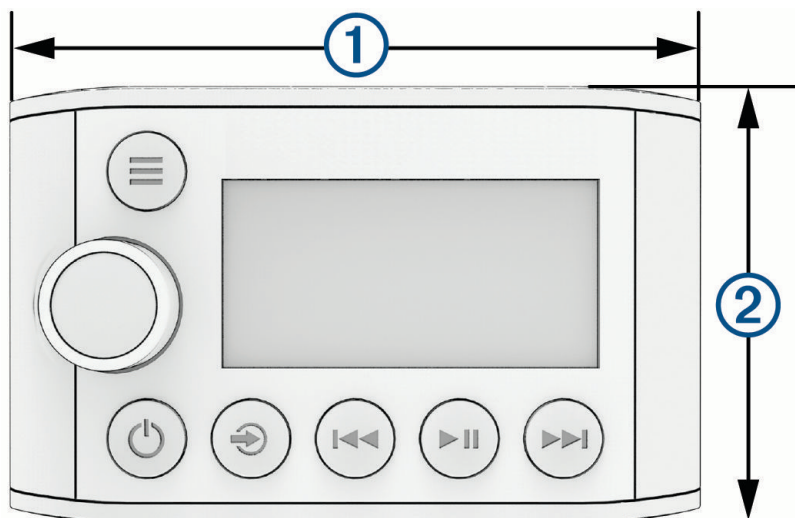
Specification	Measurement
Operating voltage	From 10.8 to 16 Vdc negative ground
Electrical input current	110 mA at 12 Vdc
NMEA 2000® Load Equivalency Number (LEN)	3 (150 mA)
Operating temperature	From 0 to 50°C (from 32 to 122°F)
Storage temperature	From -20 to 70°C (from -4 to 158°F)
Water rating	IEC 60529 IPX7

Top Dimensions



Item	Measurement
①	110 mm ($4\frac{5}{16}$ in.)
②	42 mm ($1\frac{5}{8}$ in.)
③	28 mm ($1\frac{3}{32}$ in.)
④	16.5 mm ($\frac{41}{64}$ in.)

Front Dimensions



①	110 mm (4.33 in.)
②	70 mm (2.76 in.)

Supported NMEA 2000® PGN Information

NOTE: You must connect the device to a NMEA 2000 network for NMEA 2000 support.

PGN Number	Data Field
127250	Heading sensor reference: 0: True 1: Magnetic
128259	Water speed reference: 00: Paddle wheel 01: Pitot tube 02: Doppler log 03: Correlation log (ultrasound) 04: Electromagnetic (EM) log
128267	Water depth: Offset add or subtract
129025	Position: Latitude and longitude
129026	Course Over Ground (COG) and Speed Over Ground (SOG) COG reference: 0: True 1: Magnetic
129029	Global Navigation Satellite System (GNSS) position data
129284	Navigation data: ETA date
130306	Wind data reference: 0x02 : Apparent wind (relative to the vessel centerline)
130310	Water temperature and air pressure
130311	Water temperature and air pressure
130312	Temperature and temperature source: 00 : Sea temperature

PGN Number	Data Field
130314	Actual pressure and pressure source: • 00 : Atmospheric pressure
130577	Direction data and COG reference: • 0: True • 1: Magnetic

Software Updates

You must update the software for this remote control using a connected compatible stereo or using the Garmin® Audio app.

To make sure the device functions correctly with all compatible stereos on the network, you should update the software in all devices after you install this device.

For software update instructions, see the online owner's manual for this device or for a connected compatible stereo.

物質宣言

部件名称	有毒有害物质或元素									
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚	邻苯二甲酸二(2-乙基己)酯	邻苯二甲酸丁苄酯	邻苯二甲酸二丁酯	邻苯二甲酸二异丁酯
印刷电路板组件	×	○	○	○	○	○	○	○	○	○
屏幕/背光	×	○	○	○	○	○	○	○	○	○
金属零件	×	○	○	○	○	○	○	○	○	○
电缆 电缆组件 连接器	×	○	○	○	○	○	○	○	○	○
塑料和橡胶零件	○	○	○	○	○	○	○	○	○	○

本表格依据 SJ/T11364 的规定编制。

○: 代表此种部件的所有均质材料中所含的该种有害物质均低于 (GB/T26572) 规定的限量

×: 代表此种部件所用的均质材料中, 至少有一类材料其所含的有害物质高于 (GB/T26572) 规定的限量

* 该产品说明书应提供在环保使用期限和特殊标记的部分详细讲解产品的担保使用条件。



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