

FUSION®

ENGLISH



**MARINE WIRED REMOTE
MS-NRX200i**

WARNINGS AND CAUTIONS

Do not attempt to open the unit's chassis. There are no user-serviceable parts or adjustments inside. Take care when handling.

CARE AND MAINTENANCE

As with all products with a chrome finish exposed to the harsh Marine environment, a little care will help to preserve the finish and prevent corrosion. Fusion recommends that you clean any salt water and/or salt residue from the remote with a damp cloth soaked in fresh water. Always fit the protective cover when not in use.

REGISTER YOUR PRODUCT ONLINE:

For your own peace of mind, register your product purchase online at
www.fusionelectronics.com

All FUSION True Marine Products are backed by a 3 Year Limited Consumer Warranty and by registering your product you can be assured that if the unexpected occurs we'll have your details and be ready to help.

RECORD YOUR PRODUCT DETAILS HERE:

SERIAL NUMBER _____ DATE OF PURCHASE _____

AFFIX RECEIPT HERE

CONTENTS

• USER INTERFACE AND CONTROLS	pg 4
Control Panel Layout	pg 4
Button function	pg 4
• INSTALLATION	pg 5
Fusion Remote Control Network	pg 6
Connecting the MS-NRX200i to the 700 Series	pg 6
Connecting the MS-NRX200i to the MS-RA205 Stereo	pg 7
Example of Installation with Multiple (3) Remote Controls	pg 7
Connecting to an Existing NMEA 2000 Network	pg 7
NMEA 2000 Optional Accessories	pg 8
• OPERATION	pg 8
Power On/Off	pg 8
Assigning the remote to a stereo	pg 8
Volume adjustment	pg 8
Backlight brightness	pg 8
• MOUNTING	pg 9
Mounting diagram	pg 9
• SiriusXM SATELLITE RADIO	pg 10
• NMEA2000 OPERATION	pg 10
NMEA2000 Repeater mode	pg 10
NMEA2000 Repeater sentences	pg 11
NMEA2000 Repeater Messages	pg 12
• FUSION TRUE MARINE	pg 14
• LICENSING	pg 14
• NOTES	pg 15

USER INTERFACE AND CONTROLS

CONTROL PANEL LAYOUT



BUTTON FUNCTION



POWER

Press to turn the unit ON — (Stereo & Remote) Press and hold for 2 seconds to power OFF — (Stereo & Remote)

MUTE

Press once to mute/un-mute audio



SOURCE

Press to cycle available sources



MENU

Press to enter menu system. Press to return to previous screen. Press and hold to exit the menu structure. Press to exit NMEA mode.



PLAY/PAUSE

Short Press

iPod/USB/CD – Pause/Resume current track.
DVD – Pause/Resume current video playback.
AM/FM/VHF – Press to cycle through tuning modes (auto, manual, presets).
SiriusXM (USA Only) – Press to cycle through tuning modes (channels, presets)

Press and Hold

AM/FM/SiriusXM/VHF – Store the current station/channel as a Preset



BACK/PREVIOUS

Short Press

iPod/USB/CD – Select the previous track.

DVD – Select previous chapter

AM/FM/VHF – Start tuning down the frequency spectrum or channel.

(Auto/Manual tuning mode) or previous preset (Preset mode).

SiriusXM (USA Only) – Step down the channel list.

Press and Hold

iPod/USB/CD – Rewind the current track.

DVD – Rewind video playback.

AM/FM/VHF – Fast station/channel stepping.

SiriusXM (USA Only) – Fast browse down the channel list. Release button to select channel.



FORWARD/NEXT

Short Press

iPod/USB/CD – Select the next track.

DVD – Select next chapter

AM/FM/VHF – Start tuning up the frequency spectrum or channel. (Auto/Manual tuning mode) or previous preset (Preset mode).

SiriusXM (USA Only) – Step up the channel list.

Press and Hold

iPod/USB/CD – Fast forward the current track.

DVD – Fast Forward video playback.

AM/FM/VHF – Fast station/channel stepping.

SiriusXM (USA Only) – Fast browse up the channel list. Release button to select channel.



ROTARY ENCODER

Turn to adjust volume, move up or down a menu structure, or adjust a specific setting item. Press to select a highlighted option, confirm a setting.

INSTALLATION

To complete the ultimate marine audio experience MS-NRX200i Marine Wired Remote Controls can be installed throughout the vessel to provide full control of multiple FUSION Marine Stereos, creating flexible zone control and NMEA 2000 monitoring solutions.

Contents of the Box

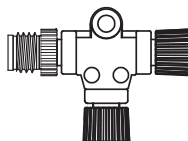
1 x MS-NRX200i	1 x Warranty card	1 x NMEA 2000 T-Connector
1 x dust cover	1 x hardware mounting kit	1 x NMEA 2000 female Terminator
1 x user manual	1 x 6M NMEA 2000 Backbone Cable	1 x NMEA 2000 in-line Terminator

NMEA 2000 Components Supplied with MS-NRX200i

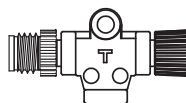
NMEA 2000
FEMALE TERMINATOR



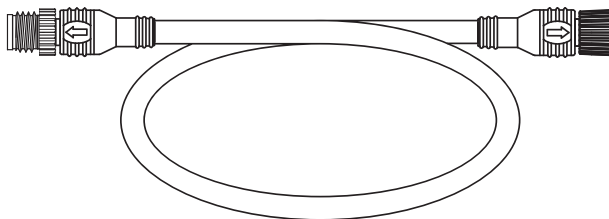
NMEA 2000
TEE-CONNECTOR



NMEA 2000
INLINE TERMINATOR



NMEA 2000
BACKBONE CABLE - 6 METRE



The MS-NRX200i is a plug and play device with two connection options. Connect the remote control to your FUSION Marine Stereo with the standard cable kit provided with your purchase or to a existing NMEA 2000 network.

INSTALLATION OPTION 1: FUSION REMOTE CONTROL NETWORK

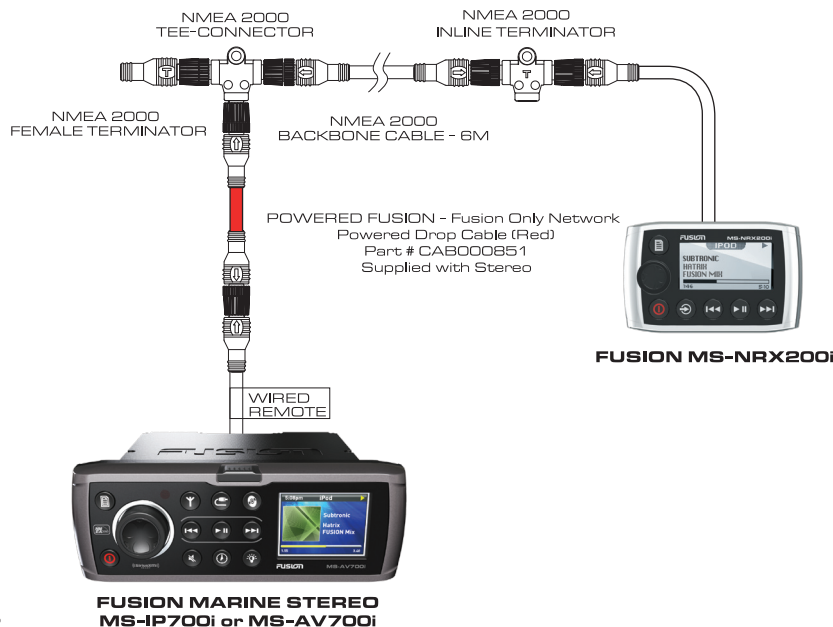
Power Loading of the FUSION Network

To avoid exceeding the power loading limitations of a FUSION remote control network the maximum number of devices supported on a FUSION network is;

1. **One** Stereo Head Unit (MS-IP700i, MS-AV700i or MS-RA205)
2. Up to **three** MS-NRX200i Remote controls (MS-NRX200i).

For installations requiring a greater number of devices the installation of a full NMEA 2000 network is recommended. Refer to option 2.

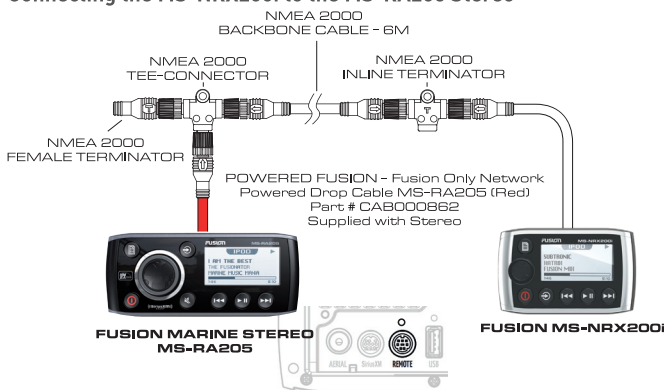
Connecting the MS-NRX200i to the 700 Series



Example of Installation with Multiple (3) Remote Controls



Connecting the MS-NRX200i to the MS-RA205 Stereo



NOTE: The supplied Terminators must be fitted to the ends of the network as shown. Failure to do so will affect operation.

CASE BACK - REMOTE CONTROL CONNECTION

INSTALLATION OPTION 2: CONNECTING TO AN EXISTING NMEA 2000 NETWORK

FUSION's MS-NRX200i wired remote controls are capable of operating over an existing NMEA 2000 network, removing the need to wire back to the stereo unit. The MS-NRX200i pack contains all necessary cables and connectors for connecting the remote control to an existing NMEA 2000 network.

Important Note: NMEA 2000 Drop cables for FUSION Stereo head units are not supplied with the stereos. The drop cables are available from FUSION as an optional accessory.

FUSION NMEA 2000 OPTIONAL ACCESSORIES

Stereo	FUSION NMEA 2000 Drop Cable	FUSION NMEA 2000 T-Connector
MS-AV700i	CAB000852	CAB000581
MS-IP700i	CAB000852	CAB000581
MS-RA205	CAB000863	CAB000581

OPERATION

POWER ON/OFF

Press  to turn on the remote control. The FUSION Marine Stereo will power on if currently OFF.

Note: If the remote control is configured to display NMEA 2000 data sentences the power on sequence becomes a two-step process. See NMEA Repeater section below.

Press  to MUTE the audio when the stereo is ON. Press and hold  to turn the stereo and remote control OFF.

ASSIGNING THE REMOTE TO A STEREO

Press the 'Menu' button and select 'SETTINGS' → 'STEREO'. Select the desired stereo from the list of available devices on the network. Press the 'Rotary Encoder' button to save and exit.

ASSIGNING THE REMOTE TO A ZONE

Press the 'Menu' button and select 'SETTINGS' → 'ZONE' → 'ASSIGN'. Select the desired zone from the list of available zones. Press the 'Menu' button to exit.

Note: Due to space limitations on the MS-NRX200i display the full zone name is not displayed if ALL ZONES is selected.

VOLUME ADJUST

Turn the 'Rotary Encoder' to adjust volume levels. Press Encoder to move highlight (if remote is assigned to ALL ZONES).

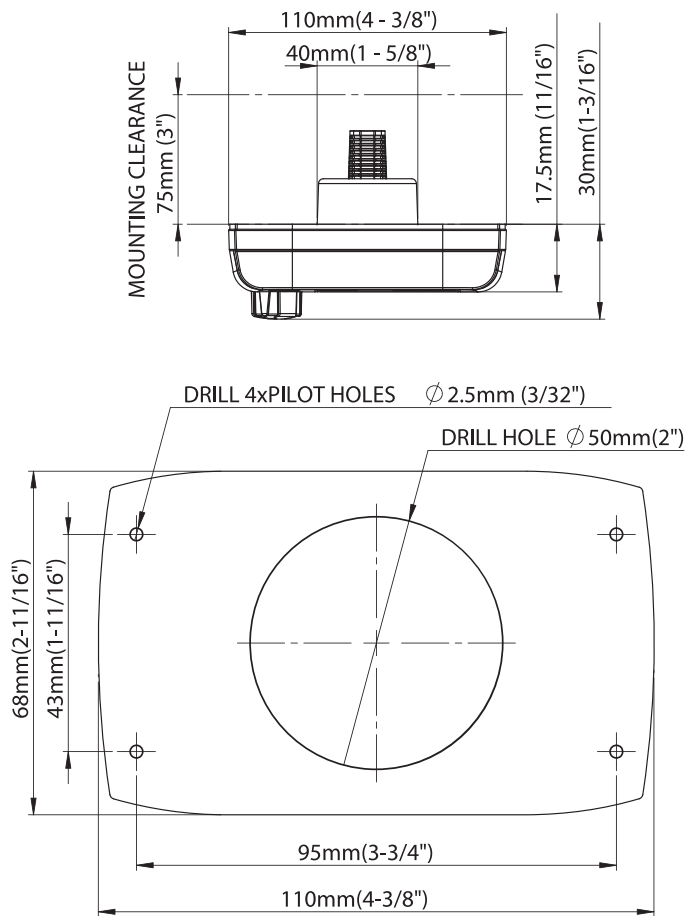
ZONE 1 → ZONE 2 → ZONE 3 → ZONE 4 → ALL ZONES →

BACKLIGHT BRIGHTNESS

Press the 'Menu' button and select 'SETTINGS' → 'LCD'. Turn the 'Rotary Encoder' to adjust Brightness or Contrast. Press the 'Rotary Encoder' to step between Brightness and Contrast. Press the 'Menu' button to exit.

After a period of inactivity the remote turns off the display backlight (Default). To disable this function Press the 'Menu' button and select 'SETTINGS' → 'POWER SAVE'. Press the 'Rotary Encoder' to enable/disable the function. Press the 'Menu' button to exit.

MOUNTING DIAGRAM (NOT TO SCALE)



SiriusXM SATELLITE RADIO

(USA only) - Requires optional SiriusXM Vehicle Connect Tuner (not included) connected to FUSION Stereo.

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Connect Tuner (sold separately) connected to the FUSION Stereo and Subscription are required. For more information, visit www.siriusxm.com.

For additional SiriusXM information refer to the FUSION Stereo user manual

The user manual contains information regarding the following;

- SiriusXM installation and activation information.
- SiriusXM operation information.
- A trouble shooting guide to assist the user with installation and information regarding SiriusXM status and error messages.

NMEA 2000 REPEATER (NMEA 2000 NETWORK ONLY)

The remote control will also serve as an NMEA repeater displaying NMEA navigation data or vessel performance data from other NMEA devices on an existing NMEA 2000 network.

NMEA 2000 REPEATER MODE

SELECTING NMEA 2000 DATA SENTENCES TO DISPLAY

Press the 'Menu' button and select 'SETTINGS' → 'NMEA MONITOR'. Select the NMEA data to be displayed from the list of available data. Press the 'Menu' button to exit.

- | | |
|-----------------------|------------------------|
| • Wind Direction | • Heading |
| • Wind Speed | • Position |
| • Depth | • Water Temperature |
| • Speed over Ground | • Atmospheric Pressure |
| • Speed through Water | • ETA |

SELECTING THE DISPLAY METHOD

The remote control can be configured to automatically cycle through the selected NMEA 2000 data. Press the 'Menu' button and select 'SETTINGS' → 'NMEA Monitor' → 'CYCLE SCREENS'. Select from the following options. Press the 'Menu' button to exit.

- | | |
|-------------|--------------|
| • Off | • 5 seconds |
| • 2 seconds | • 10 seconds |

SELECTING UNITS OF MEASURE


Press the 'Menu' button and select 'SETTINGS' → 'NMEA Monitor' → 'SET UNITS'. Select from the following options. Press the 'Menu' button to exit.

Distance: KM, Miles, Nautical Miles, Metres, Feet

Speed: KM/H, MPH, KTS, M/S Depth: Metres, Feet, Fathoms Temperature: °C, °F

POWER ON/OFF — NMEA 2000 REPEATER MODE

If the remote control has been configured to display NMEA 2000 data sentences it can be turned on independently of the FUSION Marine Stereo. This permits the user to monitor NMEA data without turning on the stereo.

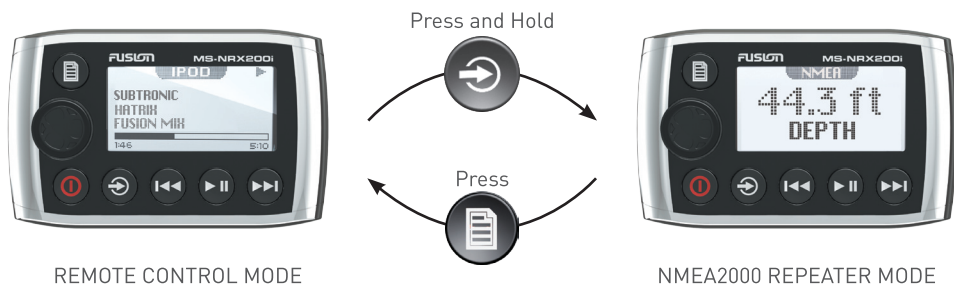
Press  to turn on the remote control. The remote control will enter NMEA 2000 repeater mode and will NOT turn on the stereo. The stereo can be turned on from the remote control by pressing the Menu key to exit the NMEA 2000 repeater mode. To return to the repeater mode press and hold the Source key.

When in NMEA 2000 repeater mode the remote will monitor the state of the stereo. If the stereo is turned on then the remote will allow the user to change volume and mute the stereo, play, pause and skip track (back and forwards) without leaving NMEA 2000 repeater mode.

TURNING ON THE REMOTE CONTROL WITH THE MARINE STEREO TURNED ON

Press  to turn ON the remote control. It will detect the stereo is on and enter the remote control mode.

CHANGING REMOTE CONTROL MODE



NMEA 2000 REPEATER MESSAGES

PGN Number	PGN Data Field	FUSION Supported
127250	Heading Sensor Reference 0 = True, 1 = Magnetic,	Yes Yes
128259	Speed Water Reference Type 00 = Paddle Wheel 01 = Pitot Tube 02 = Doppler Log 03 = Correlation Log (Ultra-Sound) 04 = EM Log (Electro - Magnetic)	Yes Yes Yes Yes Yes
128267	Water Depth Offset add/subtract	Yes
129025	Position Lat/Lon	Yes
129026	COG/SOG COG Reference 0 = True, 1 = Magnetic,	Yes Yes
129029	GNSS Position Data Yes	
130306	Wind Data Wind reference 0x00 = Theoretical Wind [ground referenced, referenced to True North; calculated using COG/SOG] 0x01 = Theoretical Wind [ground referenced, referenced to Magnetic North; calculated using COG/SOG] 0x02 = Apparent Wind (relative to the vessel centerline) 0x03 = Theoretical (Calculated to Centerline of the vessel, referenced to ground; calculated using COG/SOG) 0x04 = Theoretical (Calculated to Centerline of the vessel, referenced to water; calculated using Heading/Speed through Water)	Yes Yes No No No
130310	Water Temp & Air Pressure	Yes
130311	Water Temp & Air Pressure	Yes

PGN Number	PGN Data Field	FUSION Supported
130312	Temperature	Yes
	Temperature Source	
	00 = Sea Temperature	Yes
	01 = Outside Temperature	No
	02 = Inside Temperature	No
	03 = Engine Room Temperature	No
	04 = Main Cabin Temperature	No
	05 = Live Well Temperature	No
	06 = Bait Well Temperature	No
	07 = Refrigeration Temperature	No
	08 = Heating System Temperature	No
	09 = Dew Point Temperature	No
	10 = Wind Chill Temperature, Apparent	No
	11 = Wind Chill Temperature, Theoretical	No
	12 = Heat Index Temperature	No
	13 = Freezer Temperature	No
130314	Actual Pressure	
	Pressure Source	
	00 = Atmospheric Pressure	Yes
	01 = Water Pressure	No
	02 = Steam Pressure	No
	03 = Compressed Air Pressure	No
	04 = Hydraulic Pressure	No
130577	Direction Data	
	COG Reference	
	0 = True,	Yes
	1 = Magnetic,	Yes
	SOG Yes	
129284	STW Yes	
	Navigation Data	
	ETA Date Yes	
	Bearing, Origin To Destination Waypoint	No
	Bearing, Position To Destination Waypoint	No
	Destination Waypoint Number	No
	Destination Wpt Latitude	No
	Destination Wpt Longitude	No
	Waypoint Closing Velocity	No

FUSION TRUE MARINE

Recognised as the worldwide leader in marine entertainment and innovation, FUSION True Marine products combine cutting edge technology and high quality materials, with a clear focus on ease of use.

At FUSION, we believe that products should be designed to perform season after season even after exposure to some of the harshest marine conditions. With this longevity in mind, all True Marine products are designed and engineered from the ground up - specifically for use on the water.

Environmental protection is at the heart of all our product designs and only after each product has been subjected to (and passed) our rigorous environmental testing, are they awarded the True Marine stamp and a 3 Year Limited Worldwide Consumer Warranty.

Our extensive testing gives our customers confidence in our products and has further cemented FUSION as industry leaders in marine entertainment



LICENSING



Sirius, XM and all related marks and logos are trademarks of SiriusXM Radio Inc. All rights reserved.



NMEA 2000 - is a Registered Trademark of the National Marine Electronics Association, Inc.

NOTES

[illegible]



© Copyright 2013 by FUSION Electronics Limited. All rights reserved. Product specifications, design and prices are subject to change without notice. Product availability may vary between sales regions. P/N PAK001038A.

CONNECTING AN iPod/iPhone

Connect a FUSION compatible Marine Dock to gain the benefits of integrated housing for your iPod or iPhone. Alternatively a certified Apple iPod sync cable can be used to connect your iPod/iPhone to the USB port.

LISTENING TO AN iPod/iPhone

Press 'Source' button and cycle to iPod. Playback of the iPod/iPhone will start automatically. Only available if a iPod/iPhone is connected.

iPod/iPhone NAVIGATION

Press the 'Menu' button to enter the iPod menu. The rotary encoder operates similar to the click wheel on your iPod. Turn to navigate and press to enter.

Note: Press the 'Menu' button to return to the previous menu screen.

PLAY/PAUSE Play or Pause the track



BACK/PREVIOUS Short Press: Press once to jump back to start of current track.
Press twice to select previous track.
Press and Hold: Rewind track



NEXT/FORWARD Short Press: Selects next track
Press and Hold: Fast-forward track



iPod SETTINGS

REPEAT

Press the 'Menu' button and select 'iPod Settings', select 'Repeat'. ➔ OFF ➔ ONE ➔ ALL ➔

SHUFFLE

Press the 'Menu' button and select 'iPod Settings', select 'Shuffle'. ➔ OFF ➔ TRACKS ➔ ALBUMS ➔

F.A.S.T

FUSION ALPHA SEARCH TECHNOLOGY

If your iPod contains more than 100 Artists, Songs or Albums you can use F.A.S.T to quickly navigate by letter or number.

Example: Press the 'Menu' button and select 'Artists'. Select 'D' and the first 'Artist' beginning with 'D' will automatically highlight. Using the 'Rotary Encoder' you can then scroll up or down from this selection.

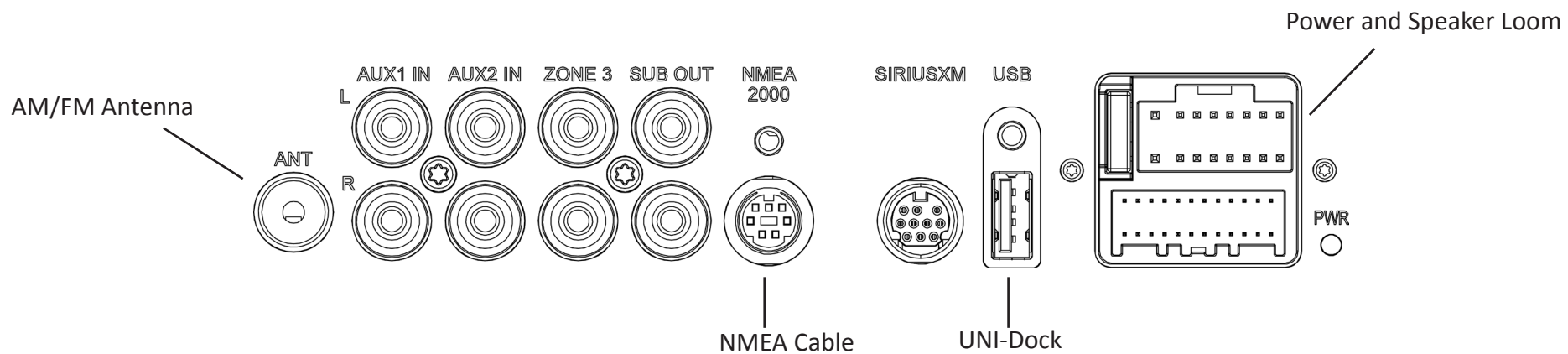
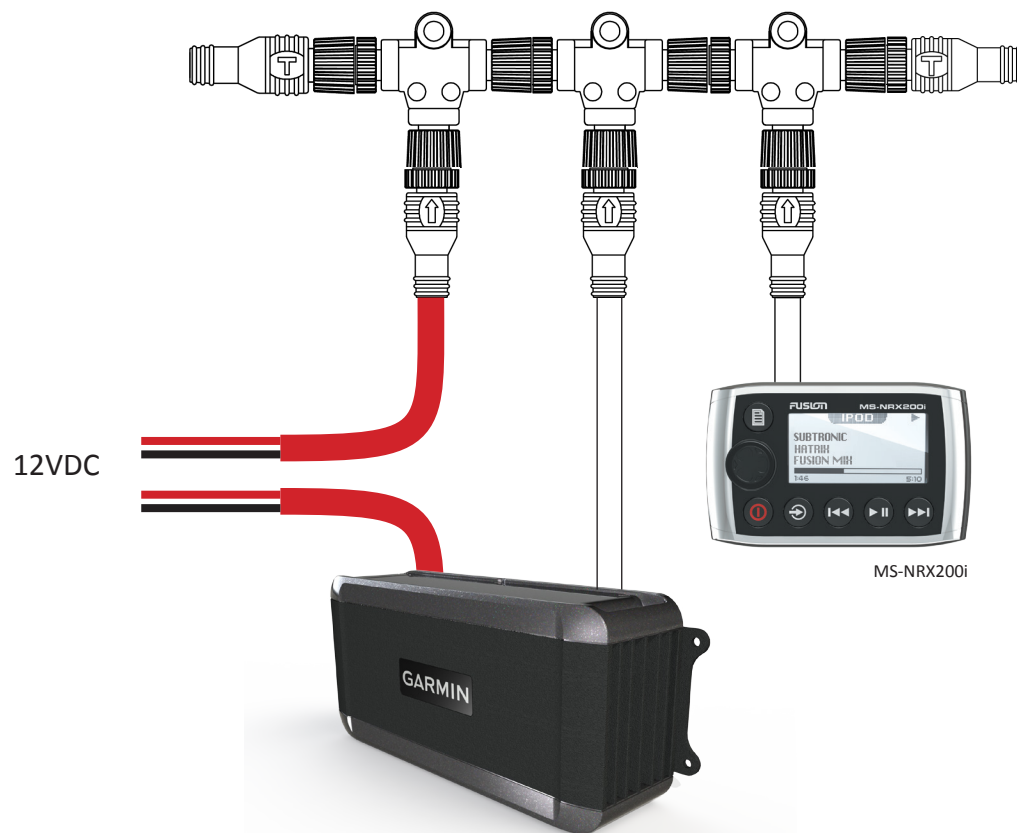
NO iPod CONNECTED

If this appears on the display possible causes are:

- Ensure the iPod/iPhone is correctly connected
- Ensure the cable is not excessively bent
- The iPods battery remains low (refer to iPod manual and charge the battery)
- Reset your iPod/iPhone
- Ensure your iPod/iPhone is on the list of supported models.

(refer to www.fusionelectronics.com for a list of supported models)

Connection Diagram



FUSION®