



NOTICE

Do not use the stereo as a template when drilling the mounting holes because this may damage the glass display and void the warranty. You must only use the included template to correctly drill the mounting holes.

AVIS

N'utilisez pas la chaîne stéréo comme modèle lorsque vous percez les trous de montage, car cela peut endommager l'écran en verre et annuler la garantie. Vous devez utiliser uniquement le modèle inclus pour percer correctement les trous de montage.

AVVISO

Non utilizzare lo stereo come dima durante la perforazione dei fori di montaggio, poiché tale operazione potrebbe danneggiare lo schermo di vetro e invalidare la garanzia. Utilizzare esclusivamente la dima inclusa per perforare correttamente i fori di montaggio.

HINWEIS

Verwenden Sie das Radio beim Bohren der Montagelöcher nicht als Schablone, da es dadurch zu Schäden am Glasdisplay und zum Erlöschen der Garantie kommen kann. Sie müssen die mitgelieferte Schablone verwenden, um die Montagelöcher ordnungsgemäß zu bohren.

AVISO

No utilices el sistema estéreo como plantilla al perforar los orificios de montaje, ya que la pantalla de cristal podría dañarse y la garantía quedaría anulada. Debes usar únicamente la plantilla incluida para perforar correctamente los orificios de montaje.

AVISO

Não use o sistema estéreo como modelo ao perfurar os furos de montagem, pois isso pode danificar o vidro e anular a garantia. Use apenas o modelo incluído para perfurar os furos de montagem corretamente.

LET OP

Gebruik de stereo niet als een mal bij het boren van de bevestigingsgaten, omdat dit het glasdisplay kan beschadigen en daardoor de garantie vervalt. Gebruik alleen de meegeleverde mal om de bevestigingsgaten op de juiste plek te boren.



FUSION[®] MS-RA210

OWNER'S MANUAL



ENGLISH

FUSION[®]
FUSIONENTERTAINMENT.COM

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Getting Started

⚠ WARNING

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

Stereo Controls



Button	Function
Dial	<ul style="list-style-type: none"> Turn to adjust the volume. <ul style="list-style-type: none"> When adjusting the volume, press to switch between zones. When adjusting the volume, press and hold for at least one second to adjust the subwoofer levels. Turn to move through the menus or adjust a setting. When in a menu, press to select the highlighted option. On a screen with tabs, press and hold for at least one second to open the other tab, such as the PRESETS tab.
⏻	<ul style="list-style-type: none"> Press to turn on the stereo. Press to mute and un-mute the audio. Press and hold to turn off the stereo.
☰	<ul style="list-style-type: none"> Press to open the menu. Press to return to the previous screen from the menu. Press and hold to exit the menu.
↻	<ul style="list-style-type: none"> Press to change the source.
⏮	<ul style="list-style-type: none"> Press to skip to the beginning of the track or to the previous track, when using an applicable source. Press and hold to rewind the track, when using an applicable source. AM, FM, or SiriusXM (in Live Mode) source: <ul style="list-style-type: none"> Press to tune to the previous station or preset. Press and hold for faster tuning (manual mode only). SiriusXM (in Replay Mode) source: <ul style="list-style-type: none"> Press to skip to the previous track. Press and hold to rewind the current track. DAB source: <ul style="list-style-type: none"> Press to return to the previous DAB station in the ensemble. When you reach the beginning of the current ensemble, the stereo automatically changes to the last available station in the previous ensemble. Press and hold to change the ensemble.

Button	Function
⏸	<ul style="list-style-type: none"> Press to pause or resume media playback. AM/FM: <ul style="list-style-type: none"> Press to cycle through the tuning modes (auto, manual, and presets). Press and hold to save the selected station as a preset. SiriusXM source: <ul style="list-style-type: none"> Press and hold to switch between Replay Mode and Live Mode. In Live Mode, press to cycle through the tuning modes (manual, category, and presets). In Replay Mode, press to pause and play. DAB source: press to scan for DAB stations.
⏭	<ul style="list-style-type: none"> Press to skip to the next track, when using an applicable source. Press and hold to fast-forward the track, when using an applicable source. AM, FM, or SiriusXM (in Live Mode) source: <ul style="list-style-type: none"> Press to tune to the next station or preset. Press and hold for faster tuning (manual mode only). SiriusXM (in Replay Mode) source: <ul style="list-style-type: none"> Press to skip to the next track, if applicable. Press and hold to fast-forward the current track, if applicable. DAB source: <ul style="list-style-type: none"> Press to advance to the next DAB station in the ensemble. When you reach the end of the current ensemble, the stereo automatically changes to the first available station in the next ensemble. Press and hold to change the ensemble.

Stereo Screen

The information displayed on the screen varies depending on the source selected. This example shows the device playing a track on a device connected using Bluetooth® wireless technology.



①	Source
②	Album art (if available from a compatible source)
③	Track details
④	Elapsed time, track duration, and the current track number out of the total number of tracks in the playlist (if available)

Selecting a Source

- 1 Select ↻.
- 2 Turn the dial to highlight a source.
- 3 Press the dial to select the source.

NOTE: Some sources appear in the source selection screen when they are not connected to the stereo. The USB icon is red when a USB device or cable is not connected.

Adjusting the Backlight and Dial Brightness

NOTE: If you connected the dim wire on the wiring harness to the boat's illumination wire, the backlight and dial dim automatically when the boat lights are on. This may affect how you adjust the brightness setting.

- 1 Select ☰ > **SETTINGS** > **BRIGHTNESS**.
- 2 Adjust the brightness level.

Enabling Standby Mode

You can enable standby mode to allow the stereo to be turned on with a NMEA 2000® remote control.

NOTE: When the stereo is in standby mode, it continues to draw current from the battery. The maximum current draw in standby mode is 80 mA.

NOTE: You must enable standby mode to wake the stereo from a NMEA 2000 remote control.

Select  > **SETTINGS** > **POWER OPTIONS** > **STANDBY MODE**.



The stereo now enters standby mode when you hold .

Audio Control

Adjusting the Volume



- 1 Turn the dial to adjust the volume.
- 2 If necessary, press the dial to switch between zones.
TIP: To control all zones at the same time, press the dial repeatedly to select GLOBAL.

Muting the Stereo

- 1 Press .
- 2 Press  again to un-mute.

Adjusting the Gain for an Auxiliary Device

You can adjust the gain for a connected auxiliary device to achieve a volume level similar to that of other media sources. You can adjust the gain in 1 dB increments.

- 1 Select an auxiliary source.
- 2 Select an option:
 - To increase the gain, select .
 - To decrease the gain, select .


NOTE: To achieve the best audio quality when using a portable media player with headphone output, it may be necessary to adjust the volume control on the media player, instead of adjusting the gain.

Speaker Zones

You can group speakers in one area into a speaker zone. This enables you to control the audio level of the zones individually. For example, you could make the audio quieter in the cabin and louder on deck.


You can set the balance, volume limit, tone, subwoofer level, subwoofer frequency, and name for each zone, and configure other zone-specific settings ([Speaker Zone Settings, page 8](#)).

Adjusting the Tones

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select a zone.
- 3 Select **TONE**.
- 4 Turn the dial to adjust the level.
- 5 Press the dial to switch to a different tone.

Disabling the Loud Setting for a Zone

The LOUD setting maintains frequency response at low volumes and increases perceived loudness at high volumes. This setting is enabled by default in all zones.

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select a zone.
- 3 Select **LOUD** to clear the check box.

Adjusting Additional Audio Settings for a Zone

- 1 Select  > **SETTINGS** > **ZONE**.

- 2 Select a zone.
- 3 Select **MORE**.
- 4 Select one or more options:


NOTE: Not all options are available for all zones.

- To limit the maximum volume output of this zone, select **VOLUME LIMIT**, and adjust the level.
- To set the subwoofer level for this zone, select **SUB LEVEL**, and adjust the level.
- To adjust the right and left speaker balance of this zone, select **BALANCE**, and adjust the balance.

Adjusting the Subwoofer Filter


You can use the subwoofer filter setting to control the subwoofer cutoff frequency for each zone, which can enhance the blend of the sound produced by the speakers and the subwoofer. Audio signals above the selected frequency are not passed to the subwoofer.

NOTE: If a DSP setting has been applied to zone, this setting cannot be changed on the stereo. You can view the DSP setting for the optimal cutoff frequency as calculated by the DSP controller, but cannot adjust it.

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select a zone.
- 3 Select **SUB. FREQ.**
- 4 Select a frequency.

Synchronizing the Source and Zone Volume Levels

You can synchronize the volume levels on one or all zones with some source devices, such as a Bluetooth source.

- 1 Select  > **SETTINGS** > **ZONE** > **PHONE VOLUME ZONE SYNC**.
- 2 Select a zone or **GLOBAL**.

When you adjust the volume on the source device, the volume on the selected zone is also adjusted.

DSP Settings

This stereo features digital signal processing (DSP). You can select pre-configured DSP settings for FUSION® speakers and amplifiers to optimize audio reproduction in their installed locations.

All DSP settings are configured using the FUSION-Link™ remote control app ([FUSION-Link Wireless Remote Control App, page 9](#)).

Configuring the DSP Settings

You must download and install the FUSION-Link remote control app on your compatible Apple® or Android™ device before you can configure the DSP settings ([FUSION-Link Wireless Remote Control App, page 9](#)).

You can configure the DSP settings to optimize the sound on each zone with the installed speakers, amplifiers, and environment.

- 1 Open the FUSION-Link remote control app on your compatible Apple or Android device.
- 2 If necessary, select the stereo you want to configure.
- 3 Select **SETTINGS**.
- 4 If necessary, select the **MUSIC SETTINGS** tab.
- 5 Select **Zone**.
- 6 Select a zone.
- 7 Select **DSP SETTINGS**.
- 8 Configure the DSP settings as needed, depending on the models of FUSION speakers and amplifiers connected to the zone.

- 9 Repeat these steps for each zone.
- 10 After you have finished configuring the DSP settings for all zones, select an option:
 - On an Apple device, select **SETTINGS > Zone > SETTINGS > SEND DSP SETTINGS**
 - On an Android device, select **SETTINGS > Zone > SEND DSP SETTINGS**.

Media Player Connection

CAUTION

Always disconnect your media player from the stereo when not in use and do not leave it in your vessel. This helps reduce the risk of theft and damage from extreme temperatures.

Do not remove the media player or use your stereo in a distracting manner while operating the vessel. Check and obey all marine laws in association with use.

The stereo accepts a variety of media players, including smartphones and other mobile devices. You can connect a compatible media player using a Bluetooth wireless connection or a USB connection to the USB port.

Connecting an Auxiliary Device

You can connect various auxiliary devices to the stereo. These devices have either RCA connectors, a line output, or a headphone output jack.

- 1 Locate the auxiliary connectors on the wiring harness.
- 2 If necessary, connect an RCA-to-3.5 mm adapter cable to the auxiliary device.
- 3 Connect the auxiliary device to the AUX IN RCA connectors on the wiring harness.
- 4 Select the **Aux** source.

Bluetooth Device Playback

You can pair the stereo to up to eight Bluetooth media devices.


You can control the playback using the stereo controls on all Bluetooth devices, and on some devices you can browse the music collection from the menu on the stereo. On Bluetooth devices that do not support media browsing, you should select the song or playlist on the media device.

The availability of song information such as song title, artist name, track duration, and album art depends on the capability of the media player and music application.

Connecting a Compatible Bluetooth Device

You can play media from a compatible Bluetooth device using the Bluetooth wireless connection.

You can control the music playback with the media app on a Bluetooth device or using the FUSION-Link remote control app (*FUSION-Link Wireless Remote Control App*, page 9).

- 1 Select the **BT** source.
- 2 Select  > **DISCOVERABLE** to make the stereo visible to your compatible Bluetooth device.
- 3 Enable Bluetooth on your compatible Bluetooth device.
- 4 Bring the compatible Bluetooth device within 10 m (33 ft.) of the stereo.
- 5 On your compatible Bluetooth device, search for Bluetooth devices.
- 6 On your compatible Bluetooth device, select the stereo from the list of detected devices.
- 7 On your compatible Bluetooth device, follow the on-screen instructions to pair and connect to the discovered stereo.

When pairing, your compatible Bluetooth device may ask you to confirm a code on the stereo. The stereo does not display a code, but it does connect correctly when you confirm the message on the Bluetooth device.

- 8 If your compatible Bluetooth device does not immediately connect to the stereo, repeat steps 1 through 7.

The DISCOVERABLE setting is disabled automatically after two minutes.


NOTE: On some Bluetooth devices, adjusting the volume on the device affects the volume level on the stereo.

Bluetooth Range Information


The stereo and Bluetooth wireless devices have a range of 10 m (33 ft.). For optimal performance, the Bluetooth wireless device should also have a clear line of sight to the stereo.

Selecting a Different Bluetooth Source

When you have more than one Bluetooth device paired to the stereo, you can select a different source when needed. You can pair the stereo with up to eight Bluetooth devices.

- 1 With the **BT** source selected, select .
- 2 Select a Bluetooth device.

Bluetooth Source Settings

With the BT source selected, select .

DISCOVERABLE: Allows the stereo to be visible to Bluetooth devices. You can turn off this setting to prevent possible interruption to audio after pairing a Bluetooth device to the stereo.

REMOVE DEVICE: Removes the Bluetooth device from the stereo. To listen to audio from this Bluetooth device again, you must pair the device again.

REPEAT OFF: Sets the repeat mode for the track or folder.

SHUFFLE OFF: Shuffles the tracks in the folder, album, or playlist.

USB Device Playback

You can connect various USB media players, USB flash drives, and smartphones to the stereo. How you access the USB source depends on the type of connected media player or smartphone.

Media Player	Source Selections
Android device	MTP
Apple device	iPOD
USB flash drive	USB
MP3 media player (as a mass-storage device)	USB NOTE: If your MP3 media player does not support mass-storage when connected using USB, you must connect it to the stereo as an auxiliary device (<i>Connecting an Auxiliary Device</i> , page 3).

You can control the playback using the stereo controls on all USB devices, and on some devices you can browse the music collection from the menu on the stereo. On USB devices that do not support media browsing, you should select the song or playlist on the media device.

The availability of song information such as song title, artist name, and track duration depends on the capability of the media player and music application.

USB Device Compatibility

You can use a USB flash drive or the USB cable included with your media player to connect a media player or mobile device to the USB port.

The stereo is compatible with iAP2 Apple devices such as the iPhone® Xs Max, iPhone Xs, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, and iPod touch® (6th generation).

The stereo is compatible with Android devices that support MTP mode.

The stereo is compatible with media players and other USB mass storage devices, including USB flash drives. Music on USB drives must meet these conditions:


- The music files must be formatted as MP3, AAC (.m4a), or FLAC, files.
- If you connect a portable hard drive, you must connect it to an external power source. The USB port on this stereo cannot provide power for a portable hard drive.
- The USB mass storage device must be formatted using one of the following systems:
 - Microsoft®: NTFS¹, VFAT, FAT², MSDOS
 - Apple: HFS, HFSPLUS
 - Linux: EXT2, EXT3, EX4

Connecting a USB Device

You can connect a USB device to the USB port on the stereo.

- 1 Locate the USB port on the back of the stereo.
- 2 Connect the USB device to the USB port.
- 3 Select the USB source.

Controlling Music Playback on a USB Source

- 1 Connect a compatible USB device to the stereo.
- 2 Select the appropriate source on the stereo.
- 3 If necessary, select  to browse the music on the USB device.
- 4 If necessary, launch a music application on the USB device, and begin playback.

You can use the stereo controls to select, play, pause, and skip tracks.

USB Source Settings

With the USB source selected, select .

REPEAT: Repeats the track or folder.

SHUFFLE: Shuffles the tracks in the folder, album, or playlist.

Radio

To listen to AM or FM radio, you must have a suitable marine AM/FM antenna properly connected to the stereo and be within range of a broadcasting station. For instructions on connecting an AM/FM antenna, see the stereo installation instructions.

To listen to SiriusXM® radio, you must have the appropriate equipment and subscriptions (*SiriusXM Satellite Radio, page 4*). For instructions on connecting a SiriusXM Connect Vehicle Tuner, see the stereo installation instructions.

To listen to DAB stations, you must have the appropriate equipment (*DAB Playback, page 7*). For instructions on connecting a DAB adapter and antenna, see the installation instructions provided with your adapter and antenna.

¹ Software updates are not supported using NTFS file system.

² FAT includes most types of FAT file systems except exFAT.

Setting the Tuner Region


You must select the region you are in to receive AM and FM stations properly.

If you are connected to a compatible SiriusXM tuner and antenna, and have a subscription (USA only), you must select the region you are in to receive SiriusXM stations properly.


NOTE: SiriusXM is not available in all regions.



If you are connected to a compatible DAB module and antenna (not included), you must select the region you are in to receive DAB stations properly.


NOTE: DAB stations are not available in all regions.

- 1 Select  > **SETTINGS** > **TUNER REGION**.
- 2 Select the region you are in.

Changing the Radio Station

- 1 Select an applicable source, such as **FM**.
- 2 Select  to select a tuning mode.

You can use AUTO mode to scan stations, MANUAL mode to manually tune to a station, and PRESET mode to select the next preset station.
- 3 Select  or  to tune to the station.

TIP: You can quickly save the selected station or channel as a preset by holding .

SiriusXM Satellite Radio

Only SiriusXM brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and subscription are required. For more information, go to www.siriusxm.com.

Enabling the SiriusXM Source

You must enable the SiriusXM source before you can listen to SiriusXM Satellite Radio.

Select  > **SETTINGS** > **TUNER REGION** > **USA**.

Locating the SiriusXM Radio ID

You must have the radio ID of your SiriusXM Connect Tuner before you can activate your SiriusXM subscription. You can locate the SiriusXM Radio ID on the back of the SiriusXM Connect Tuner or its packaging, or by tuning your stereo to channel 0.

With the SiriusXM source selected, select  > **CHANNELS** > **ALL CHANNELS** > **000 RADIO ID**.

The SiriusXM Radio ID does not include the letters I, O, S, or F.

Activating a SiriusXM Subscription

- 1 With the SiriusXM source selected, tune to channel 1.


You should be able to hear the preview channel. If not, check the SiriusXM Connect Tuner and antenna installation and connections, and try again.
- 2 Tune to channel 0 to locate the Radio ID.
- 3 Contact SiriusXM listener care by phone at (866) 635-2349 or go to www.siriusxm.com/activatenow to subscribe in the United States. Contact SiriusXM by phone at (877) 438-9677 or go to www.siriusxm.ca/activatexm to subscribe in Canada.
- 4 Provide the Radio ID.

The activation process usually takes 10 to 15 minutes, but can take up to an hour. For the SiriusXM Connect Tuner to receive the activation message, it must be turned on and receiving the SiriusXM signal.

- 5 If the service is not activated within the hour, go to <http://care.siriusxm.com/refresh> or contact SiriusXM Listener Care by phone at 1-866-635-2349.

Selecting a Category








You can control which categories of channels are available when using the CATEGORY tuning method.

- 1 With the SiriusXM source selected, select  > **CATEGORY**.
- 2 Select a category.

Using Replay Mode

You can use Replay Mode to control playback of a SiriusXM broadcast.

NOTE: The device enables Replay Mode automatically when playing saved preset channels.


- 1 If necessary, hold  to enable Replay Mode.
A progress bar appears at the bottom of the screen.
- 2 Select an option:
 - Press  to pause and resume playback.
 - Press  or  to skip backward or forward in increments.
NOTE: If you fast-forward or skip forward to the end of the progress bar, the stereo exits Replay Mode automatically.
 - Hold  or  to rewind or fast-forward the track.
 - Hold  to exit Replay Mode.

Alerts

NOTE: The Artist, Song, and Game Alerts feature is compatible with the SXV300 tuner (sold separately). Other tuners are compatible, but may limit the features. Review the user manual supplied with your SiriusXM tuner to learn about features available with your tuner module.

Adding an Artist or Song Alert


You can set alerts for artists and songs so that when a particular song or a song from a particular artist begins to play on any music channel, you can quickly tune to that channel.

- 1 While a particular song or a song from a particular artist is playing, select  > **ADD ALERT** > **SAVE ARTIST/SONG**.
- 2 Select the song or the artist.

Adding Teams for Game Alerts


You can set alerts for sports teams so that when a game featuring a saved team begins to play on any sports channel, you can quickly tune to that channel.

NOTE: A Game Alert is different than a SportsFlash™ alert. A Game Alert lets you know when a game begins, while a SportsFlash alert lets you know when an exciting play occurs during a game.

- 1 Select  > **ADD ALERT** > **GAME ALERT TEAMS**.
- 2 Select a sports league.
- 3 Select a team to fill the check box and add a Game Alert.
- 4 Repeat steps 2 and 3 for each team you want to add to the list of Game Alerts.

Adding Teams from a Live Game

While listening to a game, you can quickly add a team playing to your list of Game Alert teams.

- 1 While listening to a game on a channel, select  > **ADD ALERT** > **SAVE TEAM**.
A list of teams playing in the current game appears.
- 2 Select the team or teams to add to your list of Game Alert teams.


Viewing Active Alerts

You can review active Artist, Song, and Game Alerts.

- 1 Select  > **ACTIVE ALERTS**.
- 2 Select a category.

Managing Alerts

You can manage your saved alerts to select which ones you want to receive. You can delete saved alerts you do not want.

- 1 Select  > **SiriusXM SETTINGS** > **ALERT MANAGEMENT**.
- 2 Select an option:
 - To enable saved alerts for songs only, artists only, or games only, select **ENABLE BY TYPES**, and select a type.
 - To enable saved alerts for specific artists only, select **ENABLE ARTISTS**, and select the artists.
 - To enable saved alerts for specific songs only, select **ENABLE SONGS**, and select the songs.
 - To enable saved game alerts for specific teams, select **ENABLE TEAMS**, and select the teams.
 - To delete all saved alerts for songs, artists, or teams, select **DELETE BY TYPES**, and select a type.
 - To delete saved alerts for specific artists, select **DELETE ARTISTS**, and select the artists.
 - To delete saved alerts for specific songs, select **DELETE SONGS**, and select the songs.
 - To delete saved alerts for specific teams, select **DELETE TEAMS**, and select the teams.



TuneMix™ Feature

NOTE: The TuneMix feature is compatible with the SXV300 tuner (sold separately). Other tuners are compatible, but may limit the features. Review the user manual supplied with your SiriusXM tuner to learn about features available with your tuner module.

Creating and Customizing a TuneMix Collection

You can create up to 10 unique TuneMix collections on the stereo.



NOTE: A TuneMix collection must include at least two of your favorite SiriusXM music channels.

- 1 Select  > **SiriusXM SETTINGS** > **TUNEMIX SETUP**.
- 2 Select a TuneMix collection.
- 3 Select a channel to fill the check box and add it to the TuneMix collection.
- 4 After you are finished customizing the TuneMix collection, select .
- 5 Repeat steps 2 through 4 for each TuneMix collection you want to customize.

Starting and Stopping a TuneMix Collection

Before you can start playing a TuneMix collection, you must create one ([Creating and Customizing a TuneMix Collection, page 5](#)).

The TuneMix feature enables you to mix your favorite music channels to create a custom listening experience.

- 1 Select  > **TUNEMIX**.
- 2 Select a TuneMix collection.
The stereo begins playing the TuneMix collection.
- 3 To stop playing a TuneMix collection, select  > **CHANNELS**, and select a channel.
The stereo stops playing the TuneMix collection and begins playing the selected channel.

SportsFlash Feature

The SportsFlash feature alerts you to key plays from your favorite teams during a live game. When an exciting play

happens, a SportsFlash alert appears, and you can tune to the broadcast and hear the play. When the SportsFlash alert ends, you can choose to return to the previous channel, or remain tuned to the game.


To receive SportsFlash alerts, your subscription package must include play-by-play sports channels for the sports leagues you want to include in the alerts.

You can enable, disable, or delete SportsFlash alerts that you have added (*Managing Alerts, page 5*).

NOTE: A SportsFlash is different than a Game Alert. A SportsFlash alert lets you know when an exciting play occurs during a game, while a Game Alert lets you know when a game begins.


NOTE: The SportsFlash feature is compatible with the SXV300 tuner (sold separately). Other tuners are compatible but may limit the features. Review the user manual supplied with your SiriusXM tuner to learn about features available with your tuner module.

Adding Teams to Receive SportsFlash Alerts

- 1 Select  > **SPORTSFLASH > TEAM SELECT**.
- 2 Select a sports league.
- 3 Select a team to fill the check box and add a SportsFlash alert.
- 4 Repeat steps 2 and 3 for each team you want to add to the list of SportsFlash alerts.

Changing SportsFlash Team Priority

If more than one team for which you have set up SportsFlash alerts are playing at the same time, you can adjust the team priority to hear SportsFlash alerts from your preferred team first.

- 1 Select  > **SPORTSFLASH > TEAM PRIORITIES**.
A list of your selected SportsFlash teams appears, in order of priority.
- 2 Select a team to move it up one priority level in the list.
- 3 Repeat the previous step with each team you want to reorder until the priority list is ordered the way you prefer.

Enabling the TuneStart™ Feature

When you enable the TuneStart feature and tune to a preset channel, the stereo starts the current song from the beginning of the song instead of starting it from the point it is at in the live broadcast.

NOTE: The TuneStart feature is available when tuning to preset channels only.

If necessary, select  > **SiriusXM SETTINGS > TUNESTART**.

SiriusXM Troubleshooting

Advisory	Description	Resolutions
Check Antenna	The radio has detected a fault with the SiriusXM antenna. The antenna cable may be disconnected or damaged.	<ul style="list-style-type: none"> • Verify the antenna cable is connected to the SiriusXM Connect Vehicle Tuner. • Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer, or at www.shop.siriusxm.com.
Check Tuner	The stereo is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.	Verify the SiriusXM Connect Vehicle Tuner cable is connected securely to the stereo.
No Signal	The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.	<ul style="list-style-type: none"> • Verify the SiriusXM antenna is outdoors with a clear view of the sky. • Verify the SiriusXM antenna is mounted securely. • Remove obstructions above or next to the SiriusXM antenna. • Inspect the cable antenna for damage and kinks. Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or at www.shop.siriusxm.com. • Consult the SiriusXM Connect Vehicle Tuner installation instructions for more information on antenna installation.


When the TuneStart feature starts a song from the beginning, a progress bar appears and you can control the track using the same controls as Replay Mode (*Using Replay Mode, page 5*).

Parental Controls

The parental control feature allows you to limit access to any SiriusXM channels, including those with mature content. When the parental control feature is enabled, you must enter a passcode to tune to the locked channels. You can also change the 4-digit passcode.



Unlocking the Parental Controls

You can unlock the parental controls to access locked channels.

- 1 With the **SiriusXM** source selected, select  > **PARENTAL**.
- 2 Select the **UNLOCK** check box.
- 3 Enter the passcode.
TIP: The default passcode is 0000.



The parental controls remain unlocked until you turn off the vehicle or until you lock them again.

Locking Channels



- 1 With the **SiriusXM** source selected, select  > **PARENTAL**.
- 2 Select the **UNLOCK** check box.
- 3 Enter the passcode.
TIP: The default passcode is 0000.
- 4 Select **LOCK/UNLOCK**.
A list of available channels appears.
- 5 Select one or more channels to lock, and select .
- 6 Clear the **UNLOCK** check box to lock the parental controls.

You cannot access the locked channels while the parental controls are locked. You must unlock the parental controls to tune the locked channels.

Clearing All Locked Channels

- 1 With the **SiriusXM** source selected, select  > **PARENTAL > UNLOCK**.
- 2 Enter the passcode.
- 3 Select  > **PARENTAL > CLEAR ALL LOCKED**.

Changing the Parental Control Passcode

- 1 With the **SiriusXM** source selected, select  > **PARENTAL > UNLOCK**.
- 2 Enter the passcode.
- 3 Select  > **PARENTAL > CHANGE PIN**.
- 4 Follow the on-screen instructions.

Advisory	Description	Resolutions
Subscription Updated	The radio has detected a change in your SiriusXM subscription status.	<ul style="list-style-type: none"> Select any button to clear the message. Go to www.siriusxm.com or call 866-635-2349 with questions about your subscription.
Channel Not Available	The channel you requested is not a valid SiriusXM channel, or the channel that you were listening to is no longer available. You may see this message briefly the first time you connect a new SiriusXM Connect Vehicle Tuner.	Go to www.siriusxm.com for more information about the SiriusXM channel lineup.
Channel Not Subscribed	The channel you requested is not included in your SiriusXM subscription package, or the channel you were listening to is no longer included in your SiriusXM subscription package.	Go to www.siriusxm.com or call 866-635-2349 for more information about your subscription package or to subscribe to the channel.
Channel Locked	The channel you requested is locked by the parental control feature.	Refer to the parental control section in the owner's manual to unlock channels.

Clearing SiriusXM Data

You can clear all entered SiriusXM user information, such as favorite teams and alerts.

Use the **FACTORY RESET** option in the settings menu to reset the stereo (*Update Options, page 8*).

NOTE: The factory reset setting resets all data in the stereo, including AM and FM presets, zone settings, etc. in addition to clearing all SiriusXM user information.


DAB Playback

When you connect a compatible Digital Audio Broadcasting (DAB) module and antenna, such as the MS-DAB100A to the RA210 stereo, you can tune in to and play DAB stations.

DAB broadcasts are not available in all regions. When the stereo is not set to a compatible region, the DAB source is not available.


Setting the Tuner Region

You must select the region you are in to receive DAB stations properly.


- 1 Select  > **SETTINGS** > **TUNER REGION**.
- 2 Select the region you are in.

Scanning for DAB Stations




Before you can scan for DAB stations, you must connect a compatible DAB module and antenna (not included) to the stereo. Because DAB signals are broadcast in select countries only, you must also set the tuner region to a location where DAB signals are broadcast.

- 1 Select the **DAB** source.
- 2 Select  to scan for available DAB stations.

When scanning is complete, the first available station in the first ensemble found begins playing.

NOTE: After the first scan is complete, you can select  again to re-scan for DAB stations. When the re-scan is complete, the system starts playing the first station in the ensemble you were listening to when you started the re-scan.

Changing DAB Stations


- 1 Select the **DAB** source.
- 2 If necessary, select  to scan for local DAB stations.
- 3 Select  or  to change the station.

When you reach the end of the current ensemble, the stereo automatically changes to the first available station in the next ensemble.

TIP: You can hold  or  to change the ensemble.

Selecting a DAB Station from a List



- 1 Select the **DAB** source.

- 2 If necessary, select  to scan for local DAB stations.

- 3 Select  > **BROWSE** > **STATIONS**.

- 4 Select a station from the list.

Selecting a DAB Station from a Category

- 1 Select the **DAB** source.
- 2 If necessary, select  to scan for local DAB stations.
- 3 Select  > **BROWSE** > **CATEGORIES**.
- 4 Select a category from the list.
- 5 Select a station from the list.


Presets


You can save your favorite AM stations and FM stations as presets for easy access.

You can save your favorite SiriusXM channels if you are connected to an optional SiriusXM tuner and antenna.

You can save your favorite DAB stations if you are connected to an optional DAB module and antenna.

Saving a Station as a Preset



- 1 With an applicable source selected, tune the stereo to a station or a channel.
- 2 Press and hold the dial to select the **PRESETS** tab.
- 3 Select .

TIP: You can quickly save the selected station or channel as a preset by holding .


Selecting a Preset from a List

- 1 With an applicable source selected, press and hold the dial to select the **PRESETS** tab.
- 2 Select a preset from the list.

Removing Presets

- 1 With an applicable source selected, press and hold the dial to select the **PRESETS** tab.
- 2 Select .
- 3 Select each preset you want to remove.
- 4 When you are finished removing presets, select .

General Settings

Select  > **SETTINGS**.

NOTE: When the check box is filled, the option is turned on. When the check box is clear, the option is turned off.

ZONE: Enables you to configure the speaker zones (*Speaker Zone Settings, page 8*).

BRIGHTNESS: Adjusts the screen and dial backlight brightness (*Adjusting the Backlight and Dial Brightness, page 1*).

TUNER REGION: Sets the region used by the FM, AM, DAB, and SiriusXM sources.

LANGUAGE: Sets the language on the device.

DEVICE NAME: Sets a name for this stereo.

TELEMUTE: Sets the behavior of the mute function when the device is connected to a hands-free mobile phone. When a call is received, the device can either mute the audio or broadcast the call through the Aux input. See your hands-free kit instructions.

SEARCHING: Enables FUSION Alpha Search Technology (FAST), which allows you to quickly search for tracks by letter or number. You can select a number to enable the FAST menu if your music device contains more than the selected number of items.

POWER OPTIONS: Adjusts power settings, such as the power-save mode (*Power Options, page 8*).

SOURCE: Allows you to enable and name the sources.



UPDATE: Updates the stereo or connected devices (*Update Options, page 8*).

ABOUT: Shows the software version information for the stereo.

Speaker Zone Settings

Setting a Zone Name

You can set a name for a speaker zone to make it easier to identify.

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select a zone.
- 3 Select **ZONE NAME**.
- 4 Use the on-screen keyboard to enter a name, and select .

Linking Zones

You can link zones 1 and 2 to keep the volume levels synchronized. Adjusting the volume of either of the linked zones affects both zones.


Select  > **SETTINGS** > **ZONE** > **ZONE 2** > **LINK TO ZONE 1**.

When zones 1 and 2 are linked,  appears on zones 1 and 2 on the volume screen.

NOTE: After zones 1 and 2 are linked, you cannot adjust the volume of each zone individually.

Disabling a Zone

You can disable an unused zone and remove it from the audio level pages. When a zone is disabled, you cannot change any of the settings for that zone. You cannot disable zone 1.

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select a zone.
- 3 Select **ZONE ENABLED** to clear the check box.

Disabling the Internal Amplifiers

If you do not connect speakers directly to zones 1 and 2, you can disable the internal amplifiers to reduce power consumption.

- 1 Select  > **SETTINGS** > **ZONE**.
- 2 Select **INTERNAL AMP ON** to clear the check box.

Power Options

Select  > **SETTINGS** > **POWER OPTIONS**.

NOTE: When the check box is filled, the option is on. When the check box is clear, the option is off.

POWER SAVE: Disables the LCD backlight after one minute of inactivity to save battery power.

STANDBY MODE: Allows the stereo to be turned on from a NMEA 2000 remote control.

Update Options

Select  > **SETTINGS** > **UPDATE**.

NOTICE

Do not turn off the stereo or disconnect the power during a software update. Turning off the power during a software update may cause the stereo to become unresponsive.

NOTE:


- You should update the stereo software using a USB flash drive formatted to FAT32.
 - Do not remove power from the stereo during the update.
 - The stereo may restart a few times during the software update. This is normal.
 - You can program only newer versions of software on the stereo.
- STEREO:** Updates the stereo using a valid software update file on a connected USB flash drive (*Software Updates, page 9*).
- NRX REMOTE:** Updates an optional NRX remote connected to the NMEA 2000 port or NMEA 2000 network using a valid software update file on a connected USB flash drive.
- DAB MODULE:** Updates an optional DAB module connected to the SIRIUS XM port using a valid software update file on a connected USB flash drive.
- FACTORY RESET:** Restores all settings to the factory default values.

Additional Stereo Control Options

Connecting to a Garmin® Watch


For a list of a compatible Garmin watches, go to www.fusionentertainment.com.

For more information about the watch, see the watch manual at www.garmin.com/manuals.


- 1 Following the instructions in the watch manual, install the FUSION-Link Lite™ app from the Connect IQ™ store onto the watch.
- 2 On the stereo, select the **BT** source.
- 3 Select  > **DISCOVERABLE**.
The stereo remains discoverable for two minutes.
- 4 Bring the watch within 3 m (10 ft.) of the stereo.
NOTE: Stay 10 m (33 ft.) away from other ANT® devices while pairing.
- 5 Open the FUSION-Link Lite app on the watch.
The first time you open the app on the watch, the watch automatically pairs with and connects to the stereo. If you need to pair to another stereo, in the FUSION-Link Lite app, select **Settings** > **Pair new**.
- 6 Control the audio playback using the FUSION-Link Lite app on the watch.

After the devices are paired, they connect automatically when they are turned on, within range, and the app is open on the watch.

Connecting to an ARX70 Remote Control

- 1 On the stereo, select the **BT** source.
- 2 Select  > **DISCOVERABLE**.
- 3 Bring the ARX70 remote control within 10 m (33 ft.) of the stereo.

NOTE: Stay 10 m (33 ft.) away from other ANT devices while pairing.

- 4 On the ARX70 remote control, press and hold  until the status LED starts alternating green and red.

The remote control searches for the stereo. When the remote control pairs successfully, the status LED turns on green briefly and then turns off.

If the remote control cannot find the stereo, the status LED turns on red briefly and then turns off.

FUSION-Link Wireless Remote Control App

You can use the FUSION-Link remote control app on your compatible Apple or Android device to adjust the stereo volume, change the source, control playback, select and manage radio presets, and adjust some stereo settings. You can use the app to set up and configure DSP profiles on the stereo.

The app communicates with the stereo using a wireless connection to the mobile device. You must connect your compatible device to the stereo using Bluetooth technology to use the app.

For information about the FUSION-Link remote control app for compatible Apple or Android devices, go to the Apple App StoreSM or the Google PlayTM store.

FUSION-LinkTM Network Technology

FUSION-Link network technology allows you to fully control compatible FUSION entertainment systems on compatible multi-function displays installed at the helm, flybridge, or navigation station of the vessel. This provides integrated entertainment control and a less cluttered console.

The partnered multi-function display becomes the portal on which you can control all audio on the vessel, no matter where on the vessel the connected stereo is installed. The FUSION-Link equipped stereo can be installed out of sight if space is an issue and users need to access the stereo only to replace removable media.

FUSION-Link technology offered on this device can communicate using existing industry-standard NMEA 2000 networks.

For a list of FUSION-Link capable products from companies partnered with FUSION, go to www.fusionentertainment.com.

NMEA 2000 Remote Control and Display

The stereo can be controlled by compatible FUSION wired remote controls installed in the audio zones throughout the vessel. Operating the entertainment system from the remote control is similar to operating it from the main stereo.

FUSION wired remote controls operate over an existing NMEA 2000 network, so wiring the remote controls directly to the stereo is not necessary. All remote controls connected to the same NMEA 2000 network as the stereo can control the stereo.

The FUSION wired remote control can also serve as an NMEA[®] display showing NMEA navigation data or vessel performance data from other NMEA devices on an existing NMEA 2000 network. See the instructions provided with your remote control for information on supported NMEA 2000 PGN information.

NMEA 2000 Information

NMEA 2000 is the most popular marine standard for data communication within vessels. It has become the standard for sending navigation and engine management data within vessels. FUSION introduces an industry-first product by incorporating NMEA 2000 functionality in its audio remote control devices. This enables the user to monitor a series of NMEA sentences available over the NMEA 2000 network on a connected remote control.

Go to www.fusionentertainment.com for a full list of supported NMEA sentences.

Appendix

Registering Your RA210

Help us better support you by completing our online registration today.

- Go to www.fusionentertainment.com.
- Keep the original sales receipt, or a photocopy, in a safe place.


Software Updates

For best results, you should update the software in all FUSION devices at the time of installation to ensure compatibility.

You can update the software using a USB flash drive. For software updates and instructions on updating the device using the USB flash drive, go to the device product page at www.fusionentertainment.com/marine.

Troubleshooting

The stereo does not respond to key presses

- Hold  until the stereo turns off, and turn it on again to reset the stereo.
- Disconnect power to the stereo for two minutes to reset the stereo.

The stereo keeps locking up when connected to an Apple device

- Press and hold the power button to reset the stereo.
- Reset the Apple device. Go to www.apple.com for more information.
- Make sure you have the latest version of iTunes[®] and the latest operating software on your Apple device.

The stereo is not finding my connected Apple device

- Make sure your Apple device supports Interface Accessory Protocol 2 (iAP2). This stereo is not compatible with iAP1 devices.
- Make sure you have the latest version of iTunes and the latest operating software on your Apple device.
- Make sure you have the latest version of the FUSION-Link application on your Apple device.
- Reset the Apple device.
Go to www.apple.com for more information.
- Contact your FUSION dealer or send an email to FUSION from www.fusionentertainment.com.

My Bluetooth audio is interrupted by short breaks

- Ensure the media player is not covered or obstructed. Bluetooth technology performs best with line-of-sight operation.
- Bring the media player within 10 m (33 ft.) of the stereo.
- Turn off the **DISCOVERABLE** setting after pairing a Bluetooth device to the stereo.

The stereo does not display all song information from my Bluetooth source

The availability of song information such as song title, artist name, track duration, and album cover artwork depends on the capability of the media player and music application.

Specifications

Weight	350 g (12.4 oz.)
Water rating	IEC 60529 IPX6 and IPX7 (front of stereo only, when properly installed) ¹ IEC 60529 IPX2 (rear of stereo)
Operating temperature range	From 0 to 50°C (from 32 to 122°F)
Storage temperature range	From -20 to 70°C (from -4 to 158°F)
Input voltage	From 10.8 to 16 Vdc
Current (max.)	15 A
Current (muted)	Less than 400 mA
Current (off, standby mode enabled)	Less than 80 mA
Current (off, standby mode disabled)	Less than 15 mA
Fuse	15 A mini-blade type
NMEA 2000 LEN @ 9 Vdc	1 (50 mA)
Bluetooth wireless range	Up to 10 m (30 ft.)
ANT wireless range	Up to 3 m (10 ft.)
Wireless frequencies/ protocols	Bluetooth 2.4 GHz @ 12 dBm nominal ANT 2.4 GHz @ 7 dBm nominal
Compass-safe distance	15 cm (5.9 in.)

On-board, Class D amplifier

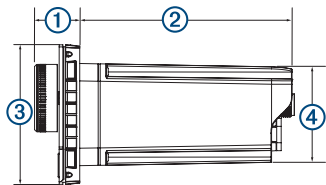
Output music power per channel	4 x 50 W max. 4 Ohm
Total output peak power	200 W max.
Output power per channel	4 x 26 W RMS at 14.4 Vdc input, 4 Ohm, 10% THD ²
Line output level (max.)	5.5 V (peak to peak)
Aux input level (typical)	1 V RMS

Tuner frequencies

Tuner	Europe and Australasia	USA	Japan
FM radio frequency range	87.5 to 108 MHz	87.5 to 107.9 MHz	76 to 95 MHz
FM frequency step	50 kHz	200 kHz	50 kHz
AM radio frequency range	522 to 1620 kHz	530 to 1710 kHz	522 to 1620 kHz
AM frequency step	9 kHz	10 kHz	9 kHz

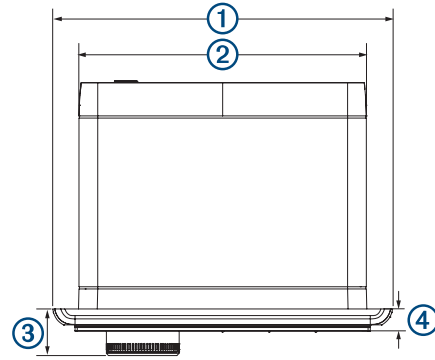
Stereo Dimension Drawings

Side Dimensions



①	22 mm (0.87 in.)
②	104.6 mm (4.12 in.)
③	68 mm (2.68 in.)
④	49.8 mm (1.96 in.)

Top Dimensions



①	157 mm (6.18 in.)
②	130 mm (5.10 in.)
③	22 mm (0.87 in.)
④	10 mm (0.39 in.)

¹ When properly installed, the front of the stereo withstands incidental exposure to water of up to 1 m for up to 30 min, and is protected against powerful jets of water. For more information, go to www.garmin.com/waterrating.

² The stereo may limit the output power to prevent the amplifier from overheating, and to maintain the audio dynamics.

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FUSION SUPPORT

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Australia	1300 736 012
Europe	+44 (0) 370 850 1244
USA	623 580 9000
Pacific	+64 9 369 2900



FUSION[®]
FUSIONENTERTAINMENT.COM

MS-RA210 Installation Instructions

Important Safety Information

⚠ WARNING

Failure to follow these warnings and cautions could result in personal injury, damage to the vessel, or poor product performance.

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

This device must be installed according to these instructions.

Disconnect the vessel's power supply before beginning to install this product.

Before applying power to this product, make sure it has been correctly grounded, following the instructions in the guide.

⚠ CAUTION

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.

You must read all installation instructions before beginning the installation. If you experience difficulty during the installation, contact FUSION[®] Product Support.

What's In the Box

- Mounting gasket
- Four 6-gauge, self-tapping screws
- Two screw covers
- Power and speaker wiring harness
- Auxiliary-in, line-out, and subwoofer-out wiring harnesses

Tools Needed

- Phillips screwdriver
- Electric drill
- Drill bit (size varies based on surface material and screws used)
- Rotary cutting tool or jigsaw
- Silicone-based marine sealant (optional)

Mounting Considerations

- You must mount the stereo on a flat surface that provides open airflow around the rear of the stereo for heat ventilation.
- If you are installing the stereo in a location that may be exposed to water, you must mount it within 45 degrees of the horizontal plane.
- If you are installing the stereo in a location that may be exposed to water, add a drip loop to the cable to allow water to drip off of the cable and avoid damage to the stereo.
- If you need to mount the stereo outside a boat, you must mount it in a location far above the waterline, where it is not submerged, and where it cannot be damaged by docks, pilings, or other pieces of equipment.
- To avoid interference with a magnetic compass, you must install the stereo at least 15 cm (5.9 in.) away from a compass.

Mounting the Stereo

NOTICE

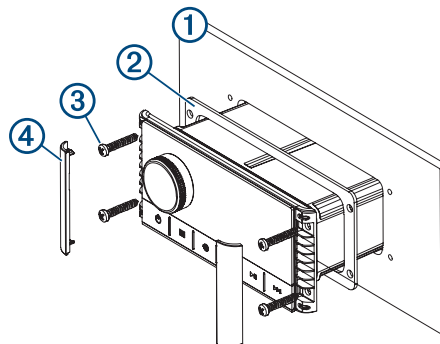
Do not use the stereo as a template when drilling the mounting holes because this may damage the glass display and void the warranty. You must only use the included template to correctly drill the mounting holes.

Be careful when cutting the hole to mount the stereo. There is only a small amount of clearance between the case and the mounting holes, and cutting the hole too large could compromise the stability of the stereo after it is mounted.

Do not apply grease or lubricant to the screws when fastening the stereo to the mounting surface. Grease or other lubricants can cause damage to the stereo housing.

Before you can mount the stereo in a new location on the mounting surface, you must select a location in accordance with the mounting considerations.

- 1 Adhere the template to the mounting surface.
- 2 Drill a hole inside the corner of the dashed line on the template.
- 3 Cut the mounting surface ① along the inside of the dashed line on the template.



- 4 Ensure the mounting holes on the stereo line up with the pilot holes on the template.
- 5 Using an appropriately sized drill bit for the mounting surface and screw type, drill the pilot holes.
- 6 Remove the template from the mounting surface.
- 7 Complete an action:
 - If you are installing the stereo in a dry location, place the included mounting gasket ② on the back of the stereo.
 - If you are installing the stereo in a location that is exposed to water, apply silicone-based marine sealant on the mounting surface around the cutout.

NOTICE

Do not install the included mounting gasket if you applied sealant to the mounting surface. Using sealant and the mounting gasket may reduce water resistance.

- 8 If you will not have access to the back of the stereo after installation, make the necessary wiring connections.
- 9 Secure the stereo to the mounting surface using the included screws ③.

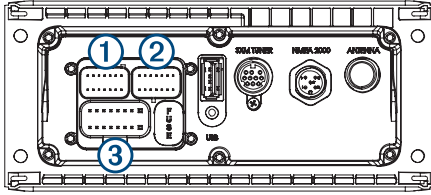
You should hand-tighten the screws when securing the stereo to the mounting surface to avoid over tightening them.
- 10 Snap the screw covers in place ④.

Connection Considerations

The stereo must be connected to power, either through the boat ignition or an external switch, speakers, and media input sources to function correctly. You should carefully plan the

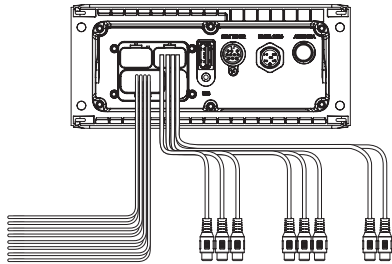
layout of the device, the NMEA 2000® network, the speakers, and your input sources before making any connections.

Port Identification



①	Not used.
②	Connects the stereo to the wiring harness for auxiliary input 1, and for the line and subwoofer outputs for zones 1 and 2.
③	Connects the stereo to the power and speaker wiring harness.
FUSE	Contains the 15 A fuse.
USB	Connects the stereo to a USB source.
SXM TUNER	Connects the stereo to a SiriusXM® Connect Tuner to receive SiriusXM stations where available (not included). Connects to a FUSION DAB module to receive DAB stations where available (not included).
ANTENNA	Connects the stereo to a typical AM/FM antenna. If you are installing the stereo on a boat with a metal hull, you must use a ground-dependent antenna. If you are installing the stereo on a boat with a non-metal hull, you must use a ground-independent antenna. See the installation instructions provided with your antenna for more information.
NMEA 2000	Connects the stereo to a NMEA 2000 network (<i>NMEA 2000 System Wiring Diagram, page 3</i>).

Wiring Harness Wire and Connector Identification



Wire or RCA Connector Function	Bare Wire Color or RCA Label Name	Notes
Ground (-)	Black	Connects to the negative terminal of the power source (<i>Connecting to Power, page 2</i>).
Power (+)	Yellow	Connects to the positive terminal of the power source.
Ignition	Red	Connects to a separately-switched, 12 Vdc connection, such as an ignition bus, to turn the stereo on and off.
Amplifier on	Blue	Connects to optional external amplifiers, enabling them to turn on when the stereo turns on. Maximum output current when stereo is on: 100 mA.

Wire or RCA Connector Function	Bare Wire Color or RCA Label Name	Notes
Telemute	Brown	Activates when connected to ground. For example, when you connect this wire to a compatible, hands-free mobile kit, the audio mutes or the input switches to AUX when a call is received and the kit connects this wire to ground. You can enable this functionality from the settings menu.
Dim	Orange	Connects to the boat's illumination wire to dim the stereo screen when the lights are on. The gauge of the illumination wire must be suitable for the fuse supplying the circuit it is connected to.
Speaker zone 1 left (+)	White	
Speaker zone 1 left (-)	White/black	
Speaker zone 1 right (+)	Gray	
Speaker zone 1 right (-)	Gray/black	
Speaker zone 2 left (+)	Green	
Speaker zone 2 left (-)	Green/black	
Speaker zone 2 right (+)	Purple	
Speaker zone 2 right (-)	Purple/black	
Zone 1 line out (left) Zone 1 line out (right) Zone 1 subwoofer out	ZONE 1 ZONE 1 SUB OUT	Provides output to an external amplifier, and is associated with the volume control for zone 1. Each subwoofer cable provides a single mono output to a powered subwoofer or subwoofer amplifier.
Zone 2 line out (left) Zone 2 line out (right) Zone 2 subwoofer out	ZONE 2 ZONE 2 SUB OUT	Provides output to an external amplifier, and is associated with the volume control for zone 2. Each subwoofer cable provides a single mono output to a powered subwoofer or subwoofer amplifier.
Auxiliary in left Auxiliary in right	AUX IN	Provides an RCA stereo line input for audio sources, such as a CD or MP3 player.

Connecting to Power

When connecting the stereo to power, you must connect both power wires. You should connect the yellow power wire directly to the battery. This provides power to the stereo and a constant trickle-power standby feed.

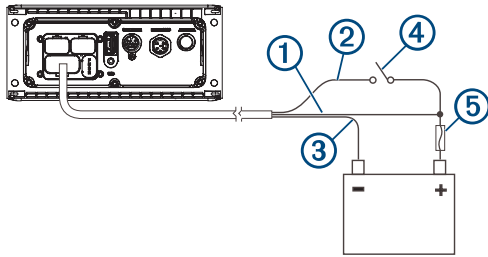
You should connect the red ignition wire to the same battery through the ignition or another manual switch to turn the stereo on and off. If you are not routing the red wire through the ignition or another manual switch, you can connect the red wire to the yellow wire, and connect them both to the positive (+) battery terminal.

You must connect the power wires to the battery through a 15 A fuse or a 15 A circuit breaker.

If it is necessary to extend the yellow power and black ground wires, use 14 AWG (2.08 mm²) wire. For extensions longer than 1 m (3 ft.), use 12 AWG (3.31 mm²) wire. If it is necessary to extend the red wire, use 22 AWG (0.33 mm²) wire.

- 1 Route the yellow power ①, red ignition ②, and black ground ③ wires to the battery, and route the wiring-harness plug to the stereo.

Do not connect the wiring harness to the stereo until all of the bare wire connections have been made.



- 2 Connect the black wire to the negative (-) battery terminal.
- 3 If you are routing the red wire through the ignition or another manual switch ④, connect the red ignition wire to the ignition or switch.
- 4 Connect the red wire to the yellow wire, install a 15 A fuse ⑤ as close to the battery as possible, and connect both wires to the positive (+) battery terminal.

NOTE: If you are running the red wire through a fused switch, it is not necessary to connect the red wire to the yellow wire or to add an another fuse to the red wire.

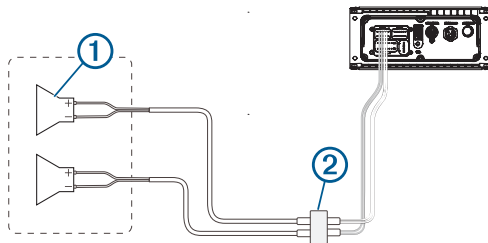
Speaker Zones

You can group speakers in one area into a speaker zone. This enables you to control the audio level of the zones individually. For example, you could make the audio quieter in the cabin and louder on deck.

You can connect one 4 Ohm speaker per channel of each zone. One zone can support no more than two 4 Ohm speakers using the on-board amplifier. To use the RCA line outputs and the RCA subwoofer outputs, you must connect an external amplifier.

You can set the balance, volume limit, tone, subwoofer level, subwoofer frequency, and name for each zone, and configure other zone-specific settings.

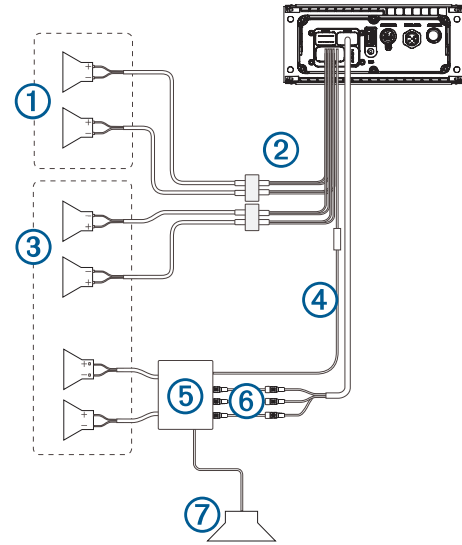
Single-Zone System Wiring Example



①	Speakers
②	Water-tight connection

Extended System Wiring

This diagram illustrates a system installation with an external amplifier and subwoofer connected to zone 2 on the stereo. You can connect an amplifier and subwoofer to any or all of the zones on the stereo.



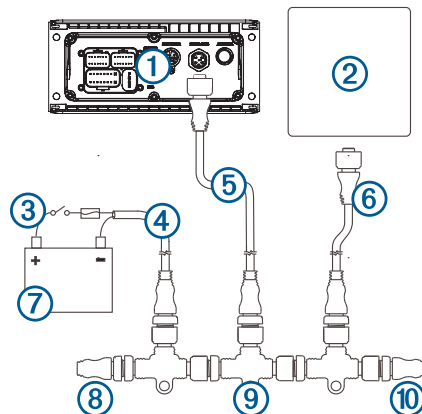
①	Zone 1 speakers
②	Water-tight connection
③	Zone 2 speakers
④	Amplifier-on signal wire You must connect this wire to each amplifier connected to a zone line out.
⑤	Powered amplifier connected to the zone 2 line out
⑥	Zone 2 line out and subwoofer out Each subwoofer cable provides a single mono output to a powered subwoofer or subwoofer amplifier.
⑦	Subwoofer

Connecting a SiriusXM Tuner Module

This device is compatible with a SiriusXM SXV300 or newer vehicle tuner module.

- 1 If you have already connected a USB source, a NMEA 2000 cable, or both, disconnect them from the stereo.
- 2 Connect the cable from the SiriusXM tuner module to the SXM TUNER port on the back of the stereo.
- 3 If necessary, reconnect the USB source, the NMEA 2000 cable, or both.
- 4 Complete the stereo installation.

NMEA 2000 System Wiring Diagram



①	Stereo
②	Supported chartplotter MFD or compatible FUSION NMEA 2000 remote control

③	In-line switch
④	NMEA 2000 power cable
⑤	NMEA 2000 drop cable from the stereo, up to 6 m (20 ft.)
⑥	NMEA 2000 drop cable from the chartplotter MFD or compatible FUSION NMEA 2000 remote control
⑦	9 to 16 Vdc power supply
⑧	NMEA 2000 terminator or backbone cable
⑨	NMEA 2000 T-connector
⑩	NMEA 2000 terminator or backbone cable

Stereo Information

Specifications

Weight	350 g (12.4 oz.)
Water rating	IEC 60529 IPX6 and IPX7 (front of stereo only, when properly installed) ¹ IEC 60529 IPX2 (rear of stereo)
Operating temperature range	From 0 to 50°C (from 32 to 122°F)
Storage temperature range	From -20 to 70°C (from -4 to 158°F)
Input voltage	From 10.8 to 16 Vdc
Current (max.)	15 A
Current (muted)	Less than 400 mA
Current (off, standby mode enabled)	Less than 80 mA
Current (off, standby mode disabled)	Less than 15 mA
Fuse	15 A mini-blade type
NMEA 2000 LEN @ 9 Vdc	1 (50 mA)
Bluetooth® wireless range	Up to 10 m (30 ft.)
ANT® wireless range	Up to 3 m (10 ft.)
Wireless frequencies/ protocols	Bluetooth 2.4 GHz @ 12 dBm nominal ANT 2.4 GHz @ 7 dBm nominal
Compass-safe distance	15 cm (5.9 in.)

On-board, Class D amplifier

Output music power per channel	4 x 50 W max. 4 Ohm
Total output peak power	200 W max.
Output power per channel	4 x 26 W RMS at 14.4 Vdc input, 4 Ohm, 10% THD ²
Line output level (max.)	5.5 V (peak to peak)
Aux input level (typical)	1 V RMS

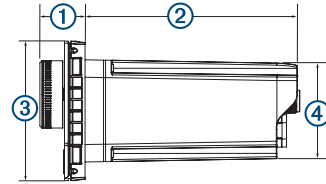
Tuner frequencies

Tuner	Europe and Australasia	USA	Japan
FM radio frequency range	87.5 to 108 MHz	87.5 to 107.9 MHz	76 to 95 MHz
FM frequency step	50 kHz	200 kHz	50 kHz
AM radio frequency range	522 to 1620 kHz	530 to 1710 kHz	522 to 1620 kHz
AM frequency step	9 kHz	10 kHz	9 kHz

¹ When properly installed, the front of the stereo withstands incidental exposure to water of up to 1 m for up to 30 min, and is protected against powerful jets of water. For more information, go to www.garmin.com/waterrating. ² The stereo may limit the output power to prevent the amplifier from overheating, and to maintain the audio dynamics.

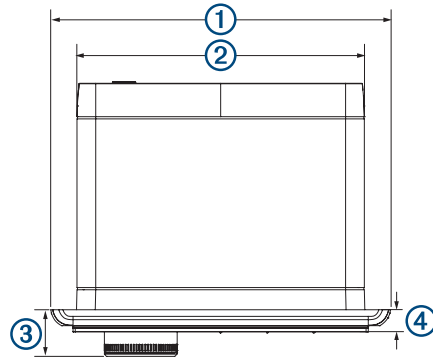
Stereo Dimension Drawings

Side Dimensions



①	22 mm (0.87 in.)
②	104.6 mm (4.12 in.)
③	68 mm (2.68 in.)
④	49.8 mm (1.96 in.)

Top Dimensions



①	157 mm (6.18 in.)
②	130 mm (5.10 in.)
③	22 mm (0.87 in.)
④	10 mm (0.39 in.)

Software Updates

For best results, you should update the software in all FUSION devices at the time of installation to ensure compatibility.

You can update the software using a USB flash drive. For software updates and instructions on updating the device using the USB flash drive, go to the device product page at www.fusionentertainment.com/marine.

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
印刷电路板组件	X	O	O	O	O	O
金属零件	X	O	O	O	O	O
电缆 电缆组件 连接器	X	O	O	O	O	O

本表格依据 SJ/T11364 的规定编制。

O: 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

X: 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

*該產品說明書應提供在環保使用期限和特殊標記的部分詳細講解產品的擔保使用條件。



FUSION® MS-RA210 Quick Start Manual



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FUSION®
FUSIONENTERTAINMENT.COM

MS-RA210

Quick Start Manual

Getting Started

⚠ WARNING

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

Getting the Owner's Manual

You can get the latest owner's manual and translations of manuals from www.fusionentertainment.com/marine/products/stereo-units/ms-ra210/support/downloads.

Stereo Controls



Button	Function
Dial	<ul style="list-style-type: none"> • Turn to adjust the volume. <ul style="list-style-type: none"> ◦ When adjusting the volume, press to switch between zones. ◦ When adjusting the volume, press and hold for at least one second to adjust the subwoofer levels. • Turn to move through the menus or adjust a setting. • When in a menu, press to select the highlighted option. • On a screen with tabs, press and hold for at least one second to open the other tab, such as the PRESETS tab.
	<ul style="list-style-type: none"> • Press to turn on the stereo. • Press to mute and un-mute the audio. • Press and hold to turn off the stereo.
	<ul style="list-style-type: none"> • Press to open the menu. • Press to return to the previous screen from the menu. • Press and hold to exit the menu.
	<ul style="list-style-type: none"> • Press to change the source.
	<ul style="list-style-type: none"> • Press to skip to the beginning of the track or to the previous track, when using an applicable source. • Press and hold to rewind the track, when using an applicable source. • AM, FM, or SiriusXM (in Live Mode) source: <ul style="list-style-type: none"> ◦ Press to tune to the previous station or preset. ◦ Press and hold for faster tuning (manual mode only). • SiriusXM (in Replay Mode) source: <ul style="list-style-type: none"> ◦ Press to skip to the previous track. ◦ Press and hold to rewind the current track. • DAB source: <ul style="list-style-type: none"> ◦ Press to return to the previous DAB station in the ensemble. When you reach the beginning of the current ensemble, the stereo automatically changes to the last available station in the previous ensemble. ◦ Press and hold to change the ensemble.

Button	Function
▶	<ul style="list-style-type: none"> Press to pause or resume media playback. AM/FM: <ul style="list-style-type: none"> Press to cycle through the tuning modes (auto, manual, and presets). Press and hold to save the selected station as a preset. SiriusXM source: <ul style="list-style-type: none"> Press and hold to switch between Replay Mode and Live Mode. In Live Mode, press to cycle through the tuning modes (manual, category, and presets). In Replay Mode, press to pause and play. DAB source: press to scan for DAB stations.
▶▶	<ul style="list-style-type: none"> Press to skip to the next track, when using an applicable source. Press and hold to fast-forward the track, when using an applicable source. AM, FM, or SiriusXM (in Live Mode) source: <ul style="list-style-type: none"> Press to tune to the next station or preset. Press and hold for faster tuning (manual mode only). SiriusXM (in Replay Mode) source: <ul style="list-style-type: none"> Press to skip to the next track, if applicable. Press and hold to fast-forward the current track, if applicable. DAB source: <ul style="list-style-type: none"> Press to advance to the next DAB station in the ensemble. When you reach the end of the current ensemble, the stereo automatically changes to the first available station in the next ensemble. Press and hold to change the ensemble.


Stereo Screen

The information displayed on the screen varies depending on the source selected. This example shows the device playing a track on a device connected using Bluetooth® wireless technology.



①	Source
②	Album art (if available from a compatible source)
③	Track details
④	Elapsed time, track duration, and the current track number out of the total number of tracks in the playlist (if available)

Selecting a Source

- 1 Select .
- 2 Turn the dial to highlight a source.
- 3 Press the dial to select the source.

Adjusting the Volume

- 1 Turn the dial to adjust the volume.
- 2 If necessary, press the dial to switch between zones.

TIP: To control all zones at the same time, press the dial repeatedly to select GLOBAL.

Media Player Connection

CAUTION

Always disconnect your media player from the stereo when not in use and do not leave it in your vessel. This helps reduce the risk of theft and damage from extreme temperatures.

Do not remove the media player or use your stereo in a distracting manner while operating the vessel. Check and obey all marine laws in association with use.

The stereo accepts a variety of media players, including smartphones and other mobile devices. You can connect a compatible media player using a Bluetooth wireless connection or a USB connection to the USB port.

USB Device Compatibility

You can use a USB flash drive or the USB cable included with your media player to connect a media player or mobile device to the USB port.

The stereo is compatible with iAP2 Apple® devices such as the iPhone® Xs Max, iPhone Xs, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, and iPod touch® (6th generation).

The stereo is compatible with Android™ devices that support MTP mode.

The stereo is compatible with media players and other USB mass storage devices, including USB flash drives. Music on USB drives must meet these conditions:

- The music files must be formatted as MP3, AAC (.m4a), or FLAC, files.
- If you connect a portable hard drive, you must connect it to an external power source. The USB port on this stereo cannot provide power for a portable hard drive.
- The USB mass storage device must be formatted using one of the following systems:
 - Microsoft®: NTFS¹, VFAT, FAT², MSDOS

- Apple: HFS, HFSPLUS
- Linux: EXT2, EXT3, EX4

Connecting a USB Device


You can connect a USB device to the USB port on the stereo.

- 1 Locate the USB port on the back of the stereo.
- 2 Connect the USB device to the USB port.
- 3 Select the USB source.

Connecting a Compatible Bluetooth Device

You can play media from a compatible Bluetooth device using the Bluetooth wireless connection.

You can control the music playback with the media app on a Bluetooth device or using the FUSION-Link™ remote control app (page 6).

- 1 Select the **BT** source.
- 2 Select  > **DISCOVERABLE** to make the stereo visible to your compatible Bluetooth device.
- 3 Enable Bluetooth on your compatible Bluetooth device.
- 4 Bring the compatible Bluetooth device within 10 m (33 ft.) of the stereo.
- 5 On your compatible Bluetooth device, search for Bluetooth devices.
- 6 On your compatible Bluetooth device, select the stereo from the list of detected devices.
- 7 On your compatible Bluetooth device, follow the on-screen instructions to pair and connect to the discovered stereo.

When pairing, your compatible Bluetooth device may ask you to confirm a code on the stereo. The stereo does not display a code, but it does connect correctly when you confirm the message on the Bluetooth device.

- 8 If your compatible Bluetooth device does not immediately connect to the stereo, repeat steps 1 through 7.


¹ Software updates are not supported using NTFS file system. ² FAT includes most types of FAT file systems except exFAT.

The DISCOVERABLE setting is disabled automatically after two minutes.

NOTE: On some Bluetooth devices, adjusting the volume on the device affects the volume level on the stereo.



Connecting to a Garmin® Watch

For more information about the watch, see the watch manual at www.garmin.com/manuals.

- 1 Following the instructions in the watch manual, install the FUSION-Link Lite™ app from the Connect IQ™ store onto the watch.
- 2 On the stereo, select the **BT** source.
- 3 Select  > **DISCOVERABLE**.
The stereo remains discoverable for two minutes.
- 4 Bring the watch within 3 m (10 ft.) of the stereo.
NOTE: Stay 10 m (33 ft.) away from other ANT® devices while pairing.
- 5 Open the FUSION-Link Lite app on the watch.
The first time you open the app on the watch, the watch automatically pairs with and connects to the stereo. If you need to pair to another stereo, in the FUSION-Link Lite app, select **Settings > Pair new**.
- 6 Control the audio playback using the FUSION-Link Lite app on the watch.

After the devices are paired, they connect automatically when they are turned on, within range, and the app is open on the watch.

Connecting to an ARX70 Remote Control

- 1 On the stereo, select the **BT** source.
- 2 Select  > **DISCOVERABLE**.
- 3 Bring the ARX70 remote control within 10 m (33 ft.) of the stereo.
NOTE: Stay 10 m (33 ft.) away from other ANT devices while pairing.
- 4 On the ARX70 remote control, press and hold  until the status LED starts alternating green and red.

The remote control searches for the stereo. When the remote control pairs successfully, the status LED turns on green briefly and then turns off.

If the remote control cannot find the stereo, the status LED turns on red briefly and then turns off.

Playing Music

Setting the Tuner Region

You must select the region you are in to receive AM and FM stations properly.

If you are connected to a compatible SiriusXM® tuner and antenna, and have a subscription (USA only), you must select the region you are in to receive SiriusXM stations properly.


NOTE: SiriusXM is not available in all regions.

If you are connected to a compatible DAB module and antenna (not included), you must select the region you are in to receive DAB stations properly.

NOTE: DAB stations are not available in all regions.


- 1 Select  > **SETTINGS > TUNER REGION**.
- 2 Select the region you are in.

Changing the Radio Station

- 1 Select an applicable source, such as **FM**.
- 2 Select  to select a tuning mode.

You can use AUTO mode to scan stations, MANUAL mode to manually tune to a station, and PRESET mode to select the next preset station.

- 3 Select  or  to tune to the station.

TIP: You can quickly save the selected station or channel as a preset by holding .

Scanning for DAB Stations

Before you can scan for DAB stations, you must connect a compatible DAB module and antenna (not included) to the stereo. Because DAB signals are

broadcast in select countries only, you must also set the tuner region to a location where DAB signals are broadcast.

- 1 Select the **DAB** source.
- 2 Select **▶||** to scan for available DAB stations.

When scanning is complete, the first available station in the first ensemble found begins playing.

NOTE: After the first scan is complete, you can select **▶||** again to re-scan for DAB stations. When the re-scan is complete, the system starts playing the first station in the ensemble you were listening to when you started the re-scan.

SiriusXM Satellite Radio

Only SiriusXM brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and subscription are required. For more information, go to www.siriusxm.com.

To learn more about activation or operation of the SiriusXM tuner, see the MS-RA210 Owner's Manual.

DSP Settings

This stereo features digital signal processing (DSP). You can select pre-configured DSP settings for FUSION® speakers and amplifiers to optimize audio reproduction in their installed locations.

All DSP settings are configured using the FUSION-Link remote control app (page 6). See the owner's manual for more information.

More Information

FUSION-Link Wireless Remote Control App

You can use the FUSION-Link remote control app on your compatible Apple or Android device to adjust the stereo volume, change the source, control playback,

select and manage radio presets, and adjust some stereo settings. You can use the app to set up and configure DSP profiles on the stereo.

The app communicates with the stereo using a wireless connection to the mobile device. You must connect your compatible device to the stereo using Bluetooth technology to use the app.

For information about the FUSION-Link remote control app for compatible Apple or Android devices, go to the Apple App StoreSM or the Google PlayTM store.

Registering Your MS-RA210

Help us better support you by completing our online registration today.

- Go to www.fusionentertainment.com.
- Keep the original sales receipt, or a photocopy, in a safe place.

MS-RA210

Manuel de démarrage rapide

Mise en route

AVERTISSEMENT

Consultez le guide Informations importantes sur le produit et la sécurité inclus dans l'emballage du produit pour prendre connaissance des avertissements et autres informations importantes sur le produit.

Téléchargement du manuel d'utilisation

Vous pouvez récupérer le dernier manuel d'utilisation et les traductions des manuels sur www.fusionentertainment.com/marine/products/stereo-units/ms-ra210/support/downloads.

FUSION SUPPORT

New Zealand	09 369 2900
Australia	1300 736 012
Europe	+44 (0) 370 850 1244
USA	623 580 9000
Pacific	+64 9 369 2900

fusionentertainment.com/manuals/ms-ra210

Owner's Manual · 用户手册 · 使用者手冊 ·
Korisnički priručnik · Brugervejledning ·
Gebruikershandleiding · Käyttöopas ·
Manuel d'utilisation · Benutzerhandbuch ·
Εγχειρίδιο κατόχου · Manual Utente · マニュアル ·
사용설명서 · Brukerveiledning ·
Podręcznik użytkownika · Manual do proprietário ·
Priročnik za uporabo · Manual del usuario ·
Användarhandbok · คู่มือสำหรับเจ้าของ



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M/N: A03771 IC: 1792A-03771

El número de registro COFETEL/IFETEL puede ser revisado en el manual a través de la siguiente página de internet.

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October 2019
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FUSION®

Printing a Mounting Template

NOTICE

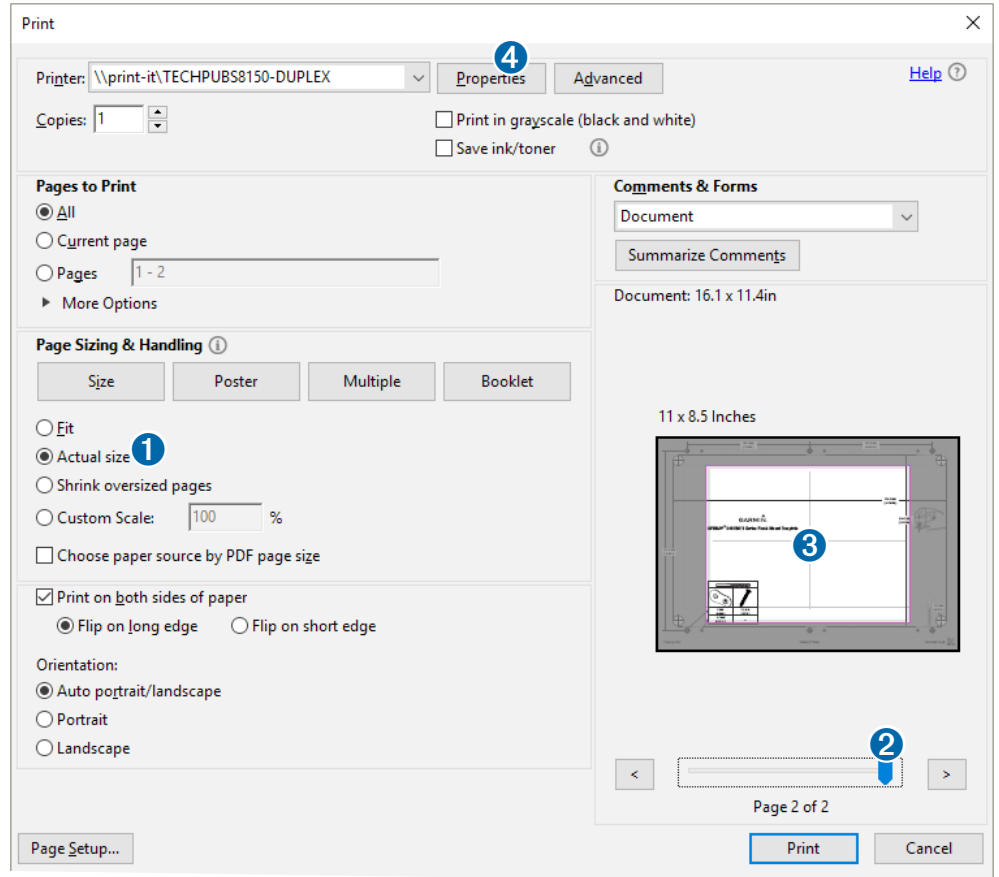
It is not recommended that you print a mounting template on your own. Use the template that came in the product box.

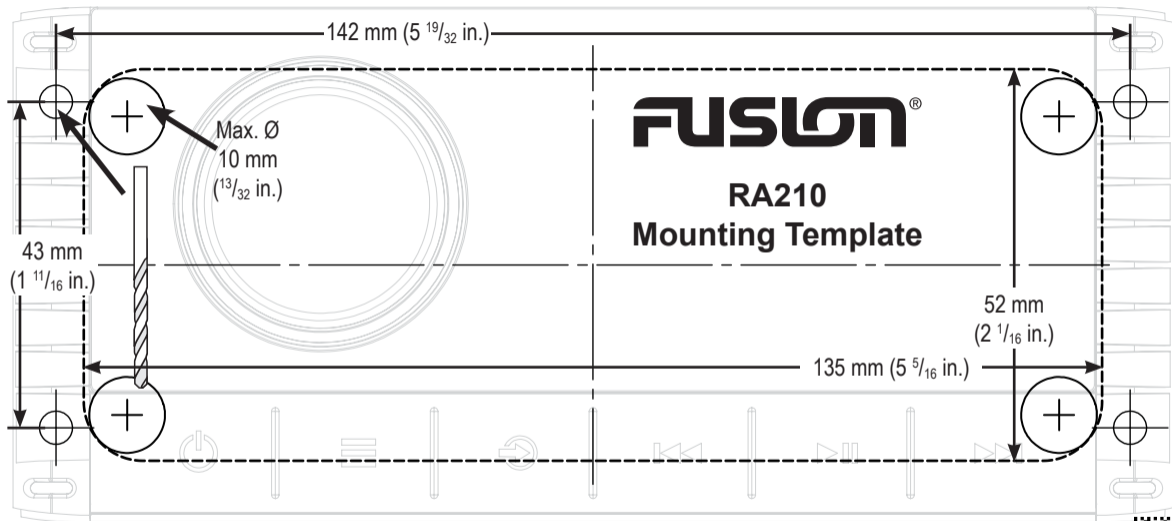
If you do print the template, you must follow these instructions for printing a mounting template precisely. To print large templates, you need large enough paper and printer. Failure to have the correct sized paper and printer, or a failure to follow these instructions, may result in an incorrectly sized template and therefore an incorrect cutout (too large or too small) on the mounting surface of your boat.

- 1 Select **File > Print**.
- 2 Select **Actual Size 1** for **Page Sizing & Handling**.
- 3 Drag the arrow 2 to the right, to view page 2 in the window below.
- 4 Verify that the paper size is larger than the template 3.
In this example, the paper is not larger than the template.
- 5 If the paper size is not large enough, select **Properties 4** and select a **Paper Size** that is larger than the template.

NOTICE

Garmin is not responsible for any damages or expenses resulting from a miscut mounting surface arising from a failure to follow these instructions.





FUSION
LINK



THE MARINE ENTERTAINMENT STANDARD



Fusion-Link is the industry standard protocol for on water audio integration and control. It enables partnered marine Multi-Function Displays, compatible devices and Garmin Smartwatches to control the entertainment right from your fingertips.

Fusion-Link Partners

GARMIN.

SIMRAD

Raymarine

FURUNO

LOWRANCE

B&G

HUMMINBIRD



FUSION-LINK™ LITE

Control the entertainment right from your wrist with the Fusion-Link Lite app.

Download the Fusion-Link Lite app for free from the Connect IQ Store to enable wireless control via ANT™ technology from your compatible Garmin watch.

connect IQ™
powered by Garmin

ANT™



NEW USER INTERFACE





EASY-TO-INSTALL DSP PROFILES RIGHT FROM YOUR DEVICE

Setting up your Digital Signal Processing (DSP) profiles is made simple with the free Fusion-Link App. With just a few clicks, you can set up the preconfigured DSP profile once and get back to enjoying what you love on the water, while listening to high-quality audio customized for your ear and the environment.

Note: See product pages for DSP compatible products

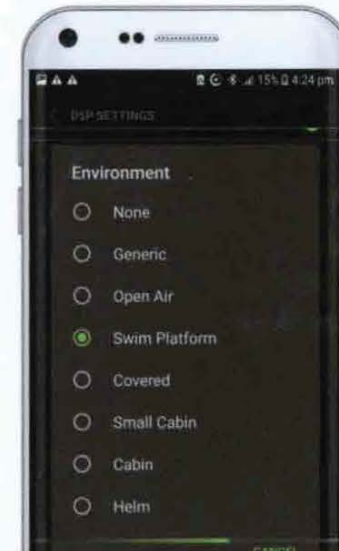


① Select the audio zone you want to configure



② Select the connected Fusion speakers and amplifiers.

Adding a new DSP profile is easier than ever before. Just follow the 3 step process to configure your entertainment system for a technically superior listening experience.



③ Select the listening environment and enjoy the power of Fusion's DSP.



Download on the
App Store



GET IT ON
Google Play

FUSION-LINK.COM

190-02137-10



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IMPORTANT SAFETY AND PRODUCT INFORMATION

WARNING

Failure to heed the following warnings could result in an accident resulting in death or serious injury.

Marine Operation Warnings

- You are responsible for the safe and prudent operation of your vessel. This device does not relieve you from the responsibility of safely operating your vessel. Avoid navigational hazards and never leave the helm unattended.
- Always be prepared to promptly regain control of the vessel. Use caution near hazards in the water, such as docks, pilings and other vessels.

Hearing Damage Warning

Listening to the stereo at high volume can cause damage to your hearing.

Product Environmental Programs

Information about the Garmin® product recycling program and WEEE, RoHS, REACH, and other compliance programs can be found at www.garmin.com/aboutGarmin/environment.

Declaration of Conformity

Hereby, Garmin declares that this product is in compliance with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.fusionentertainment.com.

Innovation, Science and Economic Development Canada Compliance

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radio Frequency Radiation Exposure

This device is a mobile transmitter and receiver that uses an internal antenna to send and receive low levels of radio frequency (RF) energy for data communications. The device emits RF energy below the published limits when operating in its maximum output power mode and when used with Garmin authorized accessories. To comply with RF exposure compliance requirements, the device should be installed and operated with a minimum of 20 cm (7.87 in.) between the device and your body. The device should not be used in other configurations. This device must not be co-located or operated in conjunction with any other transmitter or antenna.

FCC Compliance

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet that is on a different circuit from the GPS device.
- Consult the dealer or an experienced radio/TV technician for help.

This product does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

Software License Agreement

BY USING THE DEVICE, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

Garmin Ltd. and its subsidiaries ("Garmin") grant you a limited license to use the software embedded in this device (the "Software") in binary executable form in the normal operation of the product. Title, ownership rights, and intellectual property rights in and to the Software remain in Garmin and/or its third-party providers.

You acknowledge that the Software is the property of Garmin and/or its third-party providers and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization, and code of the Software, for which source code is not provided, are valuable trade secrets of Garmin and/or its third-party providers and that the Software in source code form remains a valuable trade secret of Garmin and/or its third-party providers. You agree not to decompile, disassemble, modify, reverse assemble, reverse engineer, or reduce to human readable form the Software or any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America or the export control laws of any other applicable country.

Limited 1-Year Marine Consumer Warranty

Garmin New Zealand Limited, trading as FUSION® Entertainment ("FUSION"), warrants that this FUSION Marine product is free from defects in material and workmanship, according to the following terms and conditions:

- The initial limited warranty for the FUSION product purchased extends to the first 12 months beginning on the date of purchase of the product.
- The limited warranty extends only to the original consumer purchaser (consumer) of the product and is not assignable or transferable to any subsequent purchaser/end user.
- The limited warranty extends only to consumers who purchase the product in one of the countries (or areas) set forth on www.fusionentertainment.com. The limited warranty is only valid in FUSION's intended country (or area) of sale of the product.
- During the limited warranty period, FUSION or its authorised service network will repair or replace (at FUSION's discretion), any defective product or parts thereof with new and return the product to the consumer in working condition. No charge will be made to the consumer for either parts or labour in repairing or replacing the product. All replaced parts and cosmetic parts should be free of defects at the time of shipment and, therefore shall not be covered under these limited warranty terms.
- Repaired product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.
- All warranty claims must be accompanied with a copy of this warranty card, and a copy of proof of purchase.

The consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:

- The product has been subject to: abnormal use, abnormal conditions, improper storage, unauthorised modifications, unauthorised connections, unauthorised repair including but not limited to use of unauthorised spare parts in repairs, misuse, neglect, abuse, accident, alteration, improper installation, acts of God, spill of foods or liquids, maladjustment of customer controls or other acts which are beyond the reasonable control of FUSION, including deficiencies in consumable parts such as fuses, and breakage or damage to antennae unless caused directly by defects in materials or workmanship, and normal wear and tear of the product.
- FUSION was not notified by the consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
- The product serial number or the accessory date code has been removed, defaced or altered.
- The product was used with or connected to an accessory not supplied by FUSION or fit for use with FUSION product, or used in a manner other than its intended use.

If a problem develops during the limited warranty period, the consumer should take the following step-by-step procedure:

- 1 The consumer shall return the product to any authorised FUSION dealer in authorised sales countries for repair or replacement processing. FUSION assumes no freight or shipping responsibility for returning goods to an authorised FUSION dealer, or return freight from an authorised dealer to the consumer submitting the warranty claim.
- 2 The consumer shall be charged for any parts or labour charges not covered by this limited warranty. The consumer shall be responsible for expenses related to removal and reinstallation of the product.
- 3 If the product is returned to FUSION after the expiration of the warranty period, FUSION's normal service policies shall apply and the consumer will be charged accordingly.

THE BENEFITS CONFERRED BY THIS LIMITED WARRANTY APPLY TO THE EXTENT THAT THEY ARE NOT SUPERCEDED BY ANY OTHER RIGHTS AND REMEDIES UNDER ANY APPLICABLE LEGISLATION THAT CANNOT BE EXCLUDED. OTHERWISE, TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTY IS EXCLUDED AND THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. TO THE EXTENT PERMITTED BY LAW, FUSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, OUT OF USE OR INABILITY TO USE THE PRODUCT.

- Applicable law may not allow the limitation or exclusion of liability in some situations therefore the above limitations or exclusions may not apply to you.
- FUSION neither assumes nor authorises any authorised service centre or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this warranty.
- All warranty information, product features and specifications are subject to change without notice.

Limited 1-Year Marine Consumer Warranty for Australian Consumers

Garmin Australasia, 30 Clay Place, Eastern Creek, NSW 2766, Australia.

EMAIL: australia@fusionentertainment.com PHONE: 1800 235 822

THE FUSION PROMISE OF QUALITY LIMITED 1-YEAR CONSUMER WARRANTY

This warranty is given in addition to other rights and remedies available to the consumer under Australian Consumer Law. In addition to the FUSION Warranty, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any others reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Garmin New Zealand Limited, trading as FUSION Entertainment ('FUSION'), warrants this FUSION Product including, Speaker, Subwoofer, Amplifier, Head Unit, or genuine FUSION Accessory 'product' is free from defects in materials and workmanship, in accordance with the following terms and conditions:

- The limited warranty for the FUSION product purchased is only available for twelve (12) months after the date of purchase.
- The limited warranty extends only to the original consumer of the product and may not be assigned or transferred to any other person or consumer without FUSION's prior written consent being provided.
- During the limited warranty period, FUSION or its authorised service network will repair or replace any defective or faulty product or parts at its own cost.
- Repaired or replaced product will be warranted for the balance of the original warranty period or for ninety (90) days after the date of repair, whichever is longer.
- All warranty claims must be notified to FUSION or its authorised Dealer in writing during the warranty period accompanied with a copy of this warranty card, proof of purchase date and the product with an intact and unaltered serial number or accessory date code.

This warranty will not apply if:

The consumer causes the Product to be of unacceptable quality or fails to take steps to prevent the product from becoming of unacceptable quality and/or it is damaged by abnormal use. Examples of goods becoming of unacceptable quality or of abnormal use by the consumer include:

- Storage of product under improper conditions.
- Exposure to excessive moisture or dampness.
- Exposure to excessive temperature extremes or other adverse environmental conditions.
- Unauthorised modifications of product, connections or otherwise unauthorised repairs including, but not limited, to the use of unauthorised parts in the repair of products.
- Improper use of or installation of, or interference with, product adjustments or controls and or including antenna breakage or damage due to misuse.
- Damage caused by consumables or by electricity supply.
- Acts of god (force majeure), exposure of product to food spills, or any other type of fluid ingress.
- Using the product in a way for which was not intended to be used or connecting it to an accessory not supplied by, specified by, or authorised by FUSION.
- Any other abnormal use of or conduct causing product to become of unacceptable quality.

Other exclusions:

- This warranty extends to the repair or replacement of FUSION product only and the consumer is responsible for any expenses relating to the removal or installation of the product or related services including the cost of delivering the product to FUSION or its authorised dealer.
- Repair work conducted by FUSION after this warranty has expired or if this warranty for any other reason this FUSION warranty does not apply is subject to FUSION's normal service policies and FUSION charges for labour and material may apply.
- This is a manufacturers warranty provided to consumers of FUSION products. Variations to this warranty may only be made by FUSION and will be notified to the customer in writing or issued on the FUSION website. FUSION Dealers, agents and authorised dealers are not authorised to make changes or vary this FUSION warranty.
- All warranty information, product features and specifications are subject to change without notice.

- FUSION is not responsible for replacing or the cost of replacing any consumer data lost occurring either due to equipment failure or during the repair and replacement process.

INFORMATIONS IMPORTANTES SUR LE PRODUIT ET LA SÉCURITÉ

⚠ AVERTISSEMENT

Si vous ne respectez pas les avertissements suivants, vous risquez un accident pouvant entraîner des blessures graves, voire mortelles.

Avertissements d'utilisation en milieu marin

- **Vous êtes responsable de l'utilisation sûre et prudente de votre bateau.** Cet appareil ne vous dégage pas de vos responsabilités en cas de non-respect de la sécurité à bord. Évitez tout danger de navigation et ne relâchez pas votre surveillance de la barre.
- Soyez toujours prêt à reprendre les commandes du navire. Soyez vigilant à proximité des points dangereux, tels que les quais et les autres navires.

Avertissement concernant la perte d'audition

En écoutant la stéréo à un volume trop élevé, vous risquez d'endommager votre audition.

Programmes environnementaux

Des informations relatives au programme Garmin de recyclage des produits ainsi qu'aux directives DEEE et RoHS, à la réglementation REACH et aux autres programmes de conformité sont disponibles à l'adresse www.garmin.com/aboutGarmin/environment.

Déclaration de conformité

Par la présente, Garmin déclare que son produit est conforme à la Directive 2014/53/EU. Le texte de la déclaration de conformité UE dans sa version intégrale est disponible sur la page Web suivante : www.fusionentertainment.com.

Innovation, Sciences et Développement économique Canada – Conformité

Cet appareil est conforme aux normes RSS sans licence du ministère Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) ce périphérique ne doit pas causer d'interférences et (2) doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

Exposition aux rayonnements à fréquence radioélectrique

Cet appareil est un transmetteur/récepteur mobile qui utilise une antenne interne pour envoyer et recevoir des champs de radiofréquences de faible puissance lors des communications de données. Les champs de radiofréquences émis par l'appareil lorsqu'il fonctionne au maximum de sa puissance et qu'il est utilisé avec des accessoires approuvés par Garmin ne dépassent pas les limites fixées par la réglementation. Pour être conforme aux exigences d'exposition aux radiofréquences, l'appareil doit être installé et utilisé en respectant une distance minimale de 20 cm (7,87") entre l'appareil et votre corps. L'appareil ne doit être utilisé dans aucune autre configuration. Cet appareil ne doit pas être placé ou utilisé en conjonction avec d'autres antennes ou émetteurs.

Contrat de licence du logiciel

EN UTILISANT CE PRODUIT, VOUS RECONNAISSEZ ÊTRE LIÉ PAR LES TERMES DU PRÉSENT CONTRAT DE LICENCE DE LOGICIEL. LISEZ ATTENTIVEMENT CE CONTRAT DE LICENCE.

Garmin Ltd. et ses filiales (« Garmin ») vous concèdent une licence limitée pour l'utilisation du logiciel intégré à cet appareil (le « Logiciel ») sous la forme d'un programme binaire exécutable, dans le cadre du fonctionnement normal du produit. Tout titre, droit de propriété ou droit de propriété intellectuelle dans le Logiciel ou concernant le Logiciel est la propriété de Garmin et/ou de ses fournisseurs tiers.

Vous reconnaissez que le Logiciel est la propriété de Garmin et/ou de ses fournisseurs tiers et qu'il est protégé par les lois en vigueur aux États-Unis d'Amérique et par les traités internationaux relatifs aux droits d'auteur. Vous reconnaissez également que la structure, l'organisation et le code du Logiciel, dont le code source n'est pas fourni, constituent d'importants secrets de fabrication de Garmin et/ou de ses fournisseurs tiers, et que le code source du Logiciel demeure un important secret de fabrication de Garmin et/ou de ses fournisseurs tiers. Vous acceptez de ne pas décompiler, désassembler, modifier, assembler à rebours, étudier par rétro-ingénierie ou transcrire en langage humain intelligible le Logiciel ou toute partie du Logiciel, ou créer toute œuvre dérivée du Logiciel. Vous acceptez de ne pas exporter ni de réexporter le Logiciel vers un pays contrevenant aux lois de contrôle à l'exportation des États-Unis d'Amérique ou à celles de tout autre pays concerné.

Garantie limitée d'un (1) an pour les produits FUSION marine

Garmin New Zealand Limited, opérant sous l'appellation FUSION Entertainment (« FUSION »), garantit ce produit FUSION Marine contre tout défaut de matériaux et de main-d'œuvre conformément aux conditions générales énoncées ci-après :