FUSION®
Apollo™ MS-RA670

OWNER'S MANUAL

ENGLISH

FUSIONENTERTAINMENT.COM

© 2019 Garmin Ltd. or its subsidiaries

All rights reserved. Under the copyright laws, this manual may not be copied, in whole or in part, without the written consent of Garmin. Garmin reserves the right to change or improve its products and to make changes in the content of this manual without obligation to notify any person or organization of such changes or improvements. Go to www.fusionentertainment.com for current updates and supplemental information concerning the use of this product.

Garmin®, ANT®, FUSION®, and the Fusion logo are trademarks of Garmin Ltd. or its subsidiaries, registered in the USA and other countries. Apollo™, Connect IQ™, FUSION-Link™, FUSION-Link Lite™, and FUSION PartyBus™ are trademarks of Garmin Ltd. or its subsidiaries. These trademarks may not be used without the express permission of Garmin.

Apple® is a trademark of Apple Inc., registered in the USA and other countries. App Store℠ is a service mark of Apple Inc., registered in the USA and other countries. Android™ and Google Play™ are a trademarks of Google Inc. Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Garmin is under license. NMEA 2000®, and the NMEA 2000 logo are registered trademarks of the National Marine Electronics Association. SiriusXM®, SportsFlash™, TuneMix™, TuneStart™, and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved. Other trademarks and trade names are those of their respective owners.

M/N: A03657

IC: 1792A-03657

Table of Contents

Getting Started 1
Stereo Controls 1
Stereo Screen 1
Selecting a Source 1
Adjusting the Backlight and Dial Brightness 1
Enabling Standby Mode 2

Audio Control 2
Adjusting the Volume 2
Muting all Connected Stereos 2
Adjusting the Tones 2
Disabling the Loud Setting for a Zone 2
Adjusting the Gain for an Auxiliary Device 2
Synchronizing the Source and Zone Volume Levels 2
Speaker Zones 2
Adjusting Additional Audio Settings for a Zone 2
Adjusting the Subwoofer Filter 2
DSP Settings 2
Configuring the DSP Settings 2

Media Player Connection 3
Connecting an Auxiliary Device 3
Optical Audio Connection 3
Connecting a UPnP Device 3

Bluetooth Device Playback 3
Connecting a Compatible Bluetooth Device 3
Bluetooth Range Information 3
Selecting a Different Bluetooth Source 4
Bluetooth Source Settings 4

USB Device Playback 4
USB Device Compatibility 4
Connecting a USB Device 4
Controlling Music Playback on a Connected Android Device, USB Flash Drive, or Media Player 4

Radio 4
Setting the Tuner Region 4
Changing the Radio Station 4

SiriusXM Satellite Radio 4
Enabling the SiriusXM Source 5
Locating the SiriusXM Radio ID 5
Activating a SiriusXM Subscription 5
Selecting a Category 5
Using Replay Mode 5
Alerts 5
Adding an Artist or Song Alert 5
Adding Teams for Game Alerts 5
Viewing Active Alerts 5
Managing Alerts 5
TuneMix™ Feature 5
Creating and Customizing a TuneMix Collection 6
Starting and Stopping a TuneMix Collection 6
SportsFlash Feature 6
Adding Teams to Receive SportsFlash Alerts 6
Changing SportsFlash Team Priority 6
Enabling the TuneStart™ Feature 6
Parental Controls 6
Unlocking the Parental Controls 6
Locking Channels 6
Clearing All Locked Channels 6
Changing the Parental Control Passcode 6
SiriusXM Troubleshooting 7
Clearing SiriusXM Data 7

DAB Playback 7
Setting the Tuner Region 7
Scanning for DAB Stations 7
Changing DAB Stations 7
Selecting a DAB Station from a List 7
Selecting a DAB Station from a Category 7

Presets 7
Saving a Station as a Preset 8
Selecting a Preset from a List 8
Removing Presets 8

FUSION PartyBus Networking 8
Streaming from a FUSION PartyBus Stereo on the Network 8
Stopping Streaming from a FUSION PartyBus Device on the Network 8
Network UPnP Playback 8
Network Troubleshooting 8

General Settings 8
Speaker Zone Settings 9
Setting a Zone Name 9
Linking Zones 9
Enabling Volume Control of Zone 3 from a Connected Amplifier 9
Disabling a Zone 9
Disabling the Internal Amplifiers 9
Power Options 9
Network Settings 9
Setting the Stereo as the DHCP Server 9
Setting a Static IP Address 9
DHCP Settings 10
Resetting Network Settings 10
Update Options 10

Additional Stereo Control Options 10
Connecting to a Garmin® Watch 10
Connecting to an ARX70 Remote Control 10
FUSION-Link Wireless Remote Control App 10
FUSION-Link™ Network Technology 10
NMEA 2000 Remote Control and Display 11
Configuring an Optional Wired Remote 11
NMEA 2000 Information 11

Appendix 11
Registering Your Apollo RA670 11
Software Updates 11
Troubleshooting 11
The stereo does not respond to key presses 11
My Bluetooth audio is interrupted by short breaks 11
The stereo does not display all song information from my Bluetooth source 11
Network Troubleshooting 11
Network Status Icons 11
Specifications 12
Stereo Dimension Drawings 12
Side Dimensions 12
Top Dimensions 12

Index 13

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	• Turn to adjust the volume. ◦ 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 PARTYBUS tab.
⏻	• Press to turn on the stereo. • Press to mute and un-mute the audio. • Press and hold to turn off the stereo.
☰	• Press to open the menu. • Press to return to the previous screen from the menu. • Press and hold to exit the menu.
⏎	• Press to change the source. • Press and hold to open the PARTYBUS menu.
⏮	• 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: ◦ Press to tune to the previous station or preset. ◦ Press and hold for faster tuning (manual mode only). • SiriusXM (in Replay Mode) source: ◦ Press to skip to the previous track. ◦ Press and hold to rewind the current track. • DAB source: ◦ 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.
⏯	• Press to pause or resume media playback. • AM/FM: ◦ Press to cycle through the tuning modes (auto, manual, and presets). ◦ Press and hold to save the selected station as a preset. • SiriusXM source: ◦ 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.
⏭	• 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: ◦ Press to tune to the next station or preset. ◦ Press and hold for faster tuning (manual mode only). • SiriusXM (in Replay Mode) source: ◦ Press to skip to the next track, if applicable. ◦ Press and hold to fast-forward the current track, if applicable. • DAB source: ◦ 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	Network status (*Network Status Icons*, page 11)
③	Album art (if available from a compatible source)
④	Track details
⑤	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 set the stereo to enter a low-power standby mode when you turn off the ignition or hold ⏻. When you turn on the ignition or press ⏻ again, it takes less than the typical 30 seconds to turn on.

NOTE: When the stereo is in low-power standby mode, it continues to draw current from the battery. The maximum current draw in standby mode is 50 mA.

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 all Connected Stereos

You can quickly mute the audio from this stereo or from all stereos connected to the network (*FUSION PartyBus Networking*, page 8).

1 From any source, select ⏻.

The mute symbol appears and audio from this stereo is silenced.

2 Press and hold the dial to select **MUTE SYSTEM**.

Audio from all connected stereos is silenced.

3 Press the dial to select **UNMUTE SYSTEM**.

Audio is restored to all connected stereos.

Adjusting the Tones

1 Select ☰ > **SETTINGS** > **ZONE**.

2 Select a zone.

3 Select **TONE**.

4 Select an option:

- Use the slider bar to adjust the level of each tone.
- Press the dial to select a tone, and turn the dial to adjust the level for the 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 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. You can also adjust the gain for digital sources using an optical audio connection.

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.

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.

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 9).

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.

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 10).

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 10).

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

1. From the settings menu on your Apple or Android device, connect to the stereo using Bluetooth technology, or connect to the same wireless network as the stereo.
2. Open the FUSION-Link remote control app on your compatible Apple or Android device.
3. If necessary, select the stereo you want to configure.
4. Select **SETTINGS**.
5. If necessary, select the **MUSIC SETTINGS** tab.
6. Select **Zone**.
7. Select a zone.
8. Select **DSP SETTINGS**.
9. Configure the DSP settings as needed, depending on the models of FUSION speakers and amplifiers connected to the zone.
10. Repeat these steps for each zone.
11. 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. The stereo can play media from Universal Plug and Play (UPnP) devices, such as a Network Attached Storage (NAS) device connected to the same network.

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.

Optical Audio Connection

You can connect devices with an optical audio output to the stereo using an optical audio cable. Televisions, DVD players, CD players, and other devices may supply digital optical audio output.

This stereo supports PCM audio only. You may have to change the settings on your device to output PCM audio.

NOTE: Because streaming audio over the FUSION PartyBus™ network introduces a slight delay, streaming content from a television or DVD player may not be ideal. You can disable Optical as a streaming source in the settings, if needed (*General Settings*, page 8).

Connecting a UPnP Device

You must connect your stereo to a network to play media from a UPnP device, such as a NAS device.

1. Connect your UPnP device to the same network as the stereo, referring to the instructions provided with your UPnP device and router if necessary.
2. Select the UPnP source on the stereo (*Selecting a Source*, page 1).

   You can browse and play media from the UPnP device the in same way that you would from a USB flash drive (*Controlling Music Playback on a Connected Android Device, USB Flash Drive, or Media Player*, page 4).

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 10).

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 **BLUETOOTH** source selected, select ☰.
2. Select a Bluetooth device.

Bluetooth Source Settings

With the BLUETOOTH 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.

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
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 (*Connecting an Auxiliary Device*, page 3).

NOTE: 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 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®: NTFS, VFAT, FAT*, MSDOS
  - Apple: HFS, HFSPLUS
  - Linux: EXT2, EXT3, EX4

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

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 Connected Android Device, USB Flash Drive, or Media Player

1. Connect a compatible Android device, USB flash drive, or media player to the stereo.
2. Select the appropriate source on the stereo.
3. Select ☰.
4. If necessary, select the name of the device or USB drive to view the file structure.
5. Select a song to begin music playback.

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

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.

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 TEAMS**.

   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 ☰ > **SXM SETTINGS** > **ALERTS MANAGEMENT**.
2. Select an option:
   - To enable saved alerts for songs only, artists only, or games only, select **ENABLE BY TYPE**, 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 TYPE**, 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 ☰ > **SXM 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 6).

The TuneMix feature enables you 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 ☰ > **SXM SETTINGS** > **TUNESTART**.

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.

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.	• 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.	• 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.
Subscription Updated	The radio has detected a change in your SiriusXM subscription status.	• 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 10).

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 Apollo RA670 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 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 ▶II.

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 .

FUSION PartyBus Networking

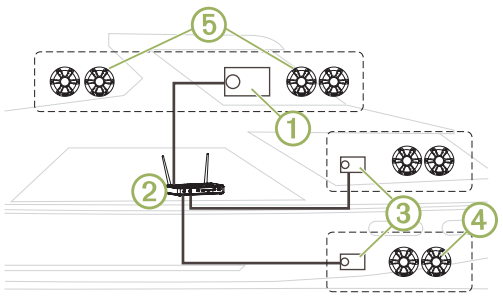
The FUSION PartyBus networking feature allows you to connect multiple compatible stereos together on a network, using a combination of wired or wireless connections.

The Apollo RA670 stereo does not have built-in Wi-Fi® technology. To use the wireless functions of the FUSION PartyBus network, you must connect the stereo to the FUSION PartyBus network using a wired ethernet connection, and then connect a Wi-Fi access point or router to the FUSION PartyBus network.

A FUSION PartyBus stereo, such as the Apollo RA670 stereo, can stream sources to other FUSION PartyBus stereos connected to the network. Connected FUSION PartyBus stereos can also control media playback on the FUSION PartyBus stereo.

A FUSION PartyBus zone stereo, such as an Apollo SRX400 zone stereo can stream from a FUSION PartyBus stereo, but cannot stream sources to other FUSION PartyBus stereos on the network.

FUSION PartyBus stereos cannot control the speaker volume of another stereo. You can adjust the volume of speakers or speaker zones connected directly to the stereo only.



In the image above, one Apollo RA670 stereo ① connects to a wireless router ② and to two Apollo SRX400 zone stereos ③.

A FUSION PartyBus zone stereo, such as the Apollo SRX400, controls the volume in a single speaker zone ④. A FUSION PartyBus stereo, such as an Apollo RA670 stereo, controls the volume on multiple speaker zones ⑤ to cover a larger area with that stereo.

Streaming from a FUSION PartyBus Stereo on the Network

Before you can stream from a stereo on the FUSION PartyBus network, you must set up and configure your FUSION PartyBus stereos according to the installation instructions.

1. Select .
2. Press and hold the dial to open the **PARTYBUS** tab.

   TIP: You can press and hold to show available FUSION PartyBus devices.

   The device shows a list of available FUSION PartyBus stereos on the network.
3. Select the stereo you want to stream from.

The stereo begins streaming the same source as the connected FUSION PartyBus stereo, and a green border appears around the device screen. All media playback functions affect both devices.

Stopping Streaming from a FUSION PartyBus Device on the Network

You can leave the FUSION PartyBus network to play local sources on the stereo.

1. Select .
2. Press and hold the dial to open the **PARTYBUS** tab.
3. Select **LEAVE PARTYBUS**.

   You can press and hold to quickly leave the FUSION PartyBus network.

Network UPnP Playback

This stereo can play content from Universal Plug and Play (UPnP) devices connected to the network, such as computers and media servers. You must connect your UPnP device to the same network as the stereo using a wired or wireless connection, and you must configure the device to share media over the network. See the owner's manual from your UPnP device for more information.

After you have connected your UPnP device to the network and configured it to share media, the UPnP source appears on the source selection screen of each stereo on the network (*Selecting a Source*, page 1).

Network Troubleshooting

If you cannot see or connect to FUSION PartyBus devices on the network, check the following:

- Verify that only one device, either a stereo or a router, is configured as a DHCP server.
- Verify that all FUSION PartyBus devices, network switches, routers, and wireless access points are connected to the network and turned on.
- Verify that wireless FUSION PartyBus devices are connected to a wireless router or wireless access point on the network.
- If you configured static IP addresses, verify that every device has a unique IP address, that the first three sets of numbers in the IP addresses match, and that the subnet masks on every device are identical.
- If you have made configuration changes that might be causing networking issues, reset all network settings to factory defaults.

General Settings

Select > **SETTINGS**.

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

ZONE: Enables you to configure the speaker zones (*Speaker Zone Settings*, page 9).

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 9).

PARTYBUS SETTINGS: Sets the sources the device can stream over the FUSION PartyBus network. You may want to disable some sources, such as Optical, because streaming over the network introduces a small audio lag that is not desirable in some situations.

NETWORK: Enables you to configure the device network settings (*Network Settings*, page 9).

UPDATE: Updates the stereo or connected devices (*Update Options*, page 10).

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.

Enabling Volume Control of Zone 3 from a Connected Amplifier

By default, the volume of zone 3 is controlled by the stereo, but you can control the it using the connected amplifier instead.

1. Select ☰ > **SETTINGS** > **ZONE**.
2. Select zone 3.
3. Select **VOLUME CONTROL** to clear the check box.

The audio signal from the zone is provided to the amplifier as a fixed-line-level output.

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 an 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: Enables a low-power standby instead of turning off the stereo completely. When enabled, the stereo turns on much faster, but the stereo uses more battery when in standby mode than when turned off (*Enabling Standby Mode*, page 2).

NRX POWER: Turns on or off the power the stereo provides to optional NRX series wired remote controls not on a NMEA 2000® network (*Configuring an Optional Wired Remote*, page 11).

SYSTEM OFF: Sends a signal to turn off on all devices connected to the network.

Network Settings

Select ☰ > **SETTINGS** > **NETWORK**.

DHCP: Sets the device as a DHCP client.

STATIC IP: Allows you to set a static IP address for the device (*Setting a Static IP Address*, page 9).

DETAILS: Shows information about the network configuration.

ADVANCED: Allows you to configure the DHCP server and reset all network settings for this stereo to the factory default values.

SAVE: Allows you to save changes to the network settings.

Setting the Stereo as the DHCP Server

If you connected two FUSION PartyBus stereos together directly, or connected more than two together using a network switch or wireless access point and did not install a router, you must configure only one FUSION PartyBus stereo to be the DHCP server.

1. Select ☰ > **SETTINGS** > **NETWORK** > **STATIC IP** > **SAVE**.

   You can configure the static IP (*Setting a Static IP Address*, page 9).
2. Select ☰ > **SETTINGS** > **NETWORK** > **ADVANCED** > **DHCP** > **DHCP** > **SAVE**.

   You can configure the IP address range of the DHCP server (*DHCP Settings*, page 10).

Setting a Static IP Address

If the stereo is configured as a static IP, it is automatically assigned the IP address of 192.168.0.1. You can change this IP address.

If the stereo is a DHCP client on the network and you do not want the DHCP server to automatically assign an IP address to the stereo, you can set a static IP address.

NOTE: Every device on the network must have a unique IP address. If you select a static IP address that is the same as the IP address on the network, the devices will not work properly.

1. Select ☰ > **SETTINGS** > **NETWORK** > **STATIC IP**.
2. Select an option:
   - To set the IP address, select **IP**, and enter the IP address.
   - To set the subnet mask, select **MASK**, and enter the subnet mask.

     NOTE: The subnet mask must match all other devices on the network to work properly. A typical subnet mask is 255.255.255.0.
   - To set the default gateway IP address, select **GATEWAY**, and enter the gateway IP address.

     NOTE: The default gateway is typically set as the IP address of the DHCP server on the network.
3. Select **SAVE**.

DHCP Settings

Select ☰ > **SETTINGS** > **NETWORK** > **ADVANCED** > **DHCP**.

DHCP: Sets the device as the DHCP server on the network.

START IP: Sets the first IP address in the IP-address range of the DHCP server.

END IP: Sets the final IP address in the IP-address range of the DHCP server.

Resetting Network Settings

You can reset all network settings for this stereo to the factory default values.

Select ☰ > **SETTINGS** > **NETWORK** > **RESET** > **YES**.

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. If the stereo is connected to a wireless network, you can update the software using the FUSION-Link app on a smartphone.
- 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.

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 or Wi-Fi technology to use the app.

If the stereo is connected to a network with a Wi-Fi access point, the app can communicate with the stereo using the network for greater range than a Bluetooth connection.

For information about the FUSION-Link remote control app for compatible Apple or Android devices, go to the Apple App Store℠ or the Google Play™ store.

FUSION-Link™ 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 on this device can communicate using existing industry-standard network connections including Ethernet and Wi-Fi wireless technology.

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.

If your vessel does not have a NMEA 2000 network, you can directly connect a single FUSION remote control or create a FUSION remote control network to connect multiple FUSION wired remote controls directly to the NMEA 2000 connector on the stereo. See the installation instructions provided with your stereo and remote for more information.

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.

Configuring an Optional Wired Remote

NOTICE

The stereo is configured by default to work with a NMEA 2000 network, and the NRX POWER option should be enabled only when an optional remote is connected directly to the stereo. Enabling this option when the stereo is connected to a NMEA 2000 network may damage other devices on the NMEA 2000 network.

If you connect an optional wired NRX remote directly to the stereo, and not through a NMEA 2000 network , additional configuration is needed.

1. Select ☰ > **SETTINGS** > **POWER OPTIONS**.
2. Select an option:
   - If you connected both your stereo and your optional wired remote to a NMEA 2000 network, make sure the **NRX POWER** option is not selected. This enables the optional remote to receive power from the NMEA 2000 network.
   - If you connected the optional wired remote directly to the stereo through the NMEA 2000 connector, select the **NRX POWER** option. This enables the stereo to supply power to the optional remote.

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 Apollo RA670

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.

If the stereo is connected to a FUSION PartyBus network with a Wi-Fi router, you can also update the software using the FUSION-Link remote control app on your compatible Apple or Android device. To download the app and update the device software, go to the Apple App Store or the Google Play store.

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.

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.

Network Troubleshooting

If you cannot see or connect to FUSION PartyBus devices on the network, check the following:

- Verify that only one device, either a stereo or a router, is configured as a DHCP server.
- Verify that all FUSION PartyBus devices, network switches, routers, and wireless access points are connected to the network and turned on.
- Verify that wireless FUSION PartyBus devices are connected to a wireless router or wireless access point on the network.
- If you configured static IP addresses, verify that every device has a unique IP address, that the first three sets of numbers in the IP addresses match, and that the subnet masks on every device are identical.
- If you have made configuration changes that might be causing networking issues, reset all network settings to factory defaults.

Network Status Icons

A network-status icon is shown on some screens of the stereo. You can refer to this table to understand the appearance of the icon and help diagnose issues with the FUSION PartyBus network (*Network Troubleshooting*, page 8).

	The stereo is connected correctly to a network.
	The stereo cannot detect the network. An Ethernet cable may not be connected or there may be other problems with the network.

Specifications

General	
Weight	750 g (26.5 oz.)
Water rating*	IEC 60529 IPX6 and IPX7 (front of stereo only, when properly installed)
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 700 mA
Current (off, standby mode enabled)	50 mA
Current (off, standby mode disabled)	35 mA
Fuse	15 A mini blade-type
NMEA 2000 LEN	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 @ from 13.29 dBm nominal ANT 2.4 GHz @ from 6.92 dBm nominal
Compass-safe distance	20 cm (7.87 in.)

* 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 garmin.com/waterrating.

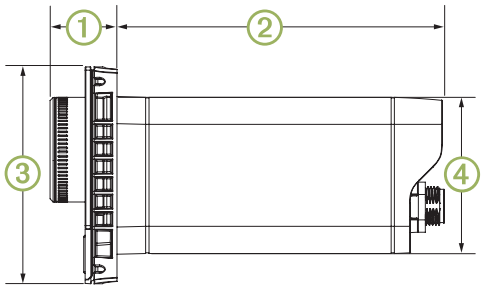
On-board, Class D Amplifier	
Output music power per channel	4 x 70 W max. 2 ohm
Total output peak power	280 W max.
Output power per channel	4 x 43 W RMS at 14.4 Vdc input, 2 ohm, 10% THD* 4 x 26 W RMS at 14.4 Vdc input, 4 ohm, 10% THD*
Line output level (max.)	5.5 V (peak to peak)
Aux input level (typical)	1 V RMS

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

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

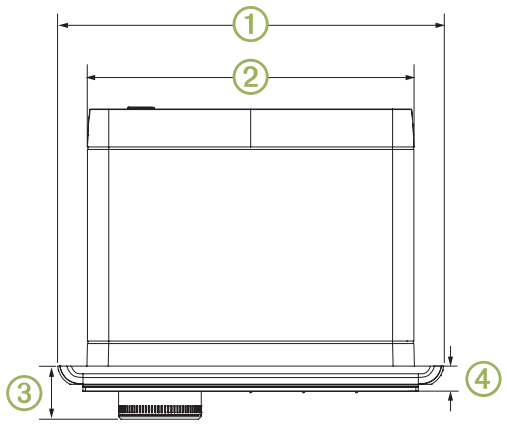
Stereo Dimension Drawings

Side Dimensions



①	21 mm (0.83 in.)
②	102 mm (4.0 in.)
③	68 mm (2.68 in.)
④	49 mm (1.93 in.)

Top Dimensions



①	157 mm (6.18 in.)
②	130 mm (5.10 in.)
③	21 mm (0.83 in.)
④	10 mm (0.39 in.)

Index

A
alerts **5**
AM **4, 7**
amplifier **9**
Android **4**
Android device **4**
Android devices **4, 10**
ANT devices **10**
Apple devices **10**
auxiliary input **2, 3**

B
backlight **1**
bass **2**
Bluetooth devices **3, 4, 10**
brightness **1**

D
DAB **4, 7**
device, registration **11**
digital audio **3**
DSP **2**

F
factory settings **10**
FM **4, 7**
FUSION PartyBus network **8, 9, 11**
FUSION-Link **10**

G
gain **2**

I
icons **11**

L
language **8**

M
media player **4**
mute **2**

N
network **3, 8–11**
network configuration **10**
NMEA 2000 **11**

O
optical audio **3**

P
presets **7, 8**
product registration **11**

R
radio
  AM **4**
  FM **4**
  SiriusXM **4–7**
registering the device **11**
remote control **11**
resetting **7, 8**

S
settings **2, 8–10**
SiriusXM **4, 7**
  parental controls **6**
  Satellite Radio **4, 5, 7**
source **1, 8**
speaker zones **2, 9**
standby **2**
subwoofer **2**

T
tone **2**
treble **2**
troubleshooting **8, 11**

U
USB **4**
  flash drive **4**
USB devices **3, 4**

V
volume **2, 9**
  adjusting **2**

W
watch **10**
Wi-Fi technology **9**

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

May 2019 Printed in Taiwan 190-02516-00_0A

Apollo™ MS-RA670 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.

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.

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 8-gauge, self-tapping screws
- Two screw covers
- Power and speaker wiring harness
- Auxiliary-in, line-out, and subwoofer-out wiring harnesses
- Dust cover

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

- The stereo must be mounted on a flat surface.
- The stereo must be mounted in a location that allows 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, it must be mounted within 45 degrees of the horizontal plane.
- If you are installing the stereo in a location that may be exposed to water, the cable should have a drip loop to allow water to drip down off the cable and avoid damage to the stereo.
- If you need to mount the stereo outside a boat, it must be mounted in a location far above the waterline, where it is not submerged.
- If you need to mount the stereo outside a boat, it should be mounted in a location where it cannot be damaged by docks, pilings, or other pieces of equipment.
- To avoid interference with a magnetic compass, the stereo should be installed at least 20 cm (7.87 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.

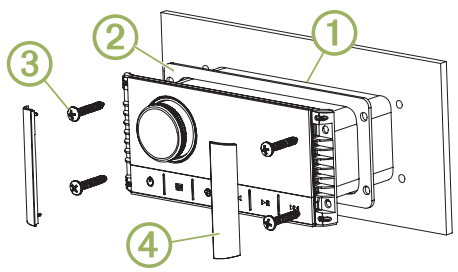
Be careful when cutting the hole to mount the stereo. There is only a small amount of clearance between the case and the mounting holes, and cutting the hole too large could compromise the stability of the stereo after it is mounted.

Be careful when installing the stereo in an aluminum boat or a boat with a conductive hull, if you require the electrical system to be isolated from the boat hull.

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. Trim the template and make sure it fits at the mounting location.
2. Adhere the template to the mounting surface.
3. Using a drill bit appropriate for the mounting surface, drill a hole inside the corner of the dashed line on the template to prepare the mounting surface for cutting.
4. Using a rotary-cutting tool, cut the mounting surface along the inside of the dashed line on the template.
5. Place the stereo in the cutout ① to test the fit.



6. If necessary, use a file and sandpaper to refine the size of the cutout.
7. After the stereo fits correctly in the cutout, ensure the mounting holes on the stereo line up with the pilot holes on the template.
8. If the mounting holes on the stereo do not line up, mark the new pilot-hole locations.
9. Using an appropriately sized drill bit for the mounting surface and screw type, drill the pilot holes.
10. Remove the template from the mounting surface.
11. Make the necessary wiring connections (*Connection Considerations*, page 2).
12. Select an option:
    - If you are installing the stereo in a dry location, place the included mounting gasket ② on the back of the stereo.

April 2019
190-02516-91_0A

- 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.

13 Place the stereo into the cutout.

14 Secure the stereo to the mounting surface using the included screws ③.

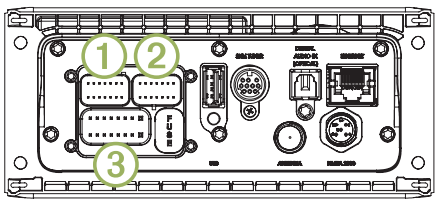
You should hand-tighten the screws when securing the stereo to the mounting surface to avoid overtightening them.

15 Snap the screw covers in place ④.

Connection Considerations

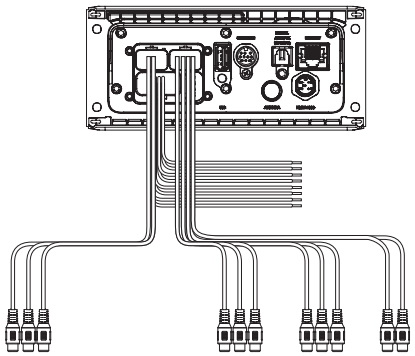
For the stereo to function correctly, you must connect it to power, to speakers, and to input sources. You should carefully plan the layout of the stereo, speakers, input sources, optional NMEA 2000® network, and optional FUSION PartyBus™ devices or network before making any connections.

Port Identification



Item	Description
①	Connects the stereo to the wiring harness for zone 3.
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 for the device.
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).
DIGITAL AUDIO IN (OPTICAL)	Connects the stereo to an optical digital audio source, such as TV or DVD player.
ETHERNET	Connects the stereo to another FUSION PartyBus stereo, zone stereo, or network (*FUSION PartyBus Networking*, page 4).
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 (*NMEA 2000 System Wiring Diagram*, page 4). Connects to an NRX series remote control directly (*Configuring an Optional Wired Remote*, page 4).

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 a 12 Vdc power source capable of supplying 15 A. You should connect this wire before connecting the yellow wire. All accessories connected to the stereo must share a common ground location (*Connecting to Power*, page 3).
Power (+)	Yellow	Connects to the positive terminal of a 12 Vdc power source capable of supplying 15 A.
Ignition	Red	Connects to a separately-switched, 12 Vdc connection, such as an ignition bus, to turn the stereo on and off. If you are not using a switched 12 Vdc connection, you must connect this to the same source as the yellow (power) wire
Amplifier on	Blue	Connects to optional external amplifiers, enabling them to turn on when the stereo turns on.
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	

Wire or RCA Connector Function	Bare Wire Color or RCA Label Name	Notes
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.
Zone 3 line out (left) Zone 3 line out (right) Zone 3 subwoofer out	ZONE 3	Provides output to an external amplifier, and is associated with the volume control for zone 3. Each subwoofer cable provides a single mono output to a powered subwoofer or subwoofer amplifier.

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.

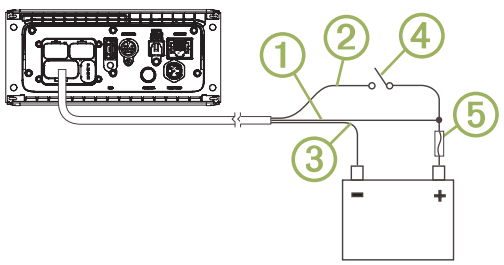
You should connect the red ignition wire to the same battery through the ignition or another manual switch to turn the stereo on and off. If you are not routing the red wire through the ignition or another manual switch, you can connect the red wire to the yellow wire, and connect them both to the positive (+) 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 mm^2) wire. For extensions longer than 1 m (3 ft.), use 12 AWG (3.31 mm^2) wire. If it is necessary to extend the red wire, use 22 AWG (0.33 mm^2) 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

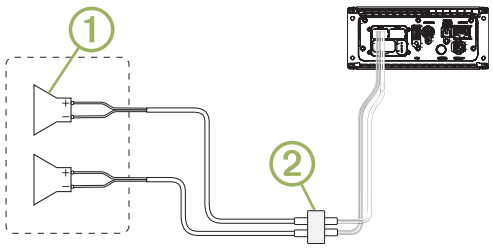
You can group speakers in one area into a speaker zone. This enables you to control the audio level of the zones individually. For example, you could make the audio quieter in the cabin and louder on deck.

Up to two pairs of speakers can be connected per channel of each zone, in parallel. One zone can support no more than four speakers using the on-board amplifier.

Zones 1 and 2 are powered by the on-board amplifier. Zone 3 is available as a line-level output only. To use the RCA line output and the RCA subwoofer output for zone 3, 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.

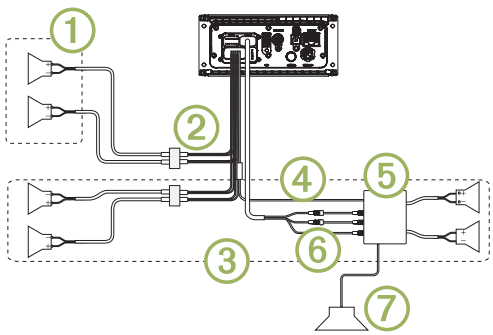
Single-Zone System Wiring Example



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.



Item	Description
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

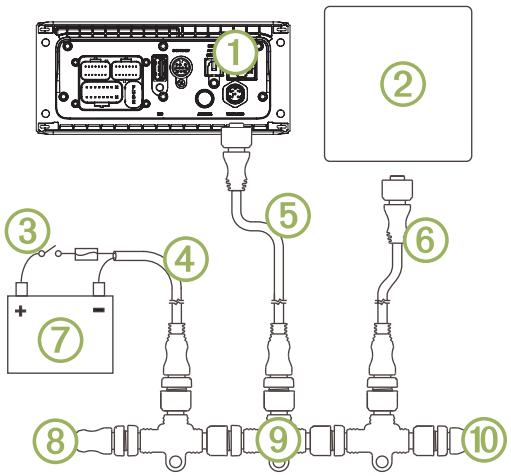
Connecting a SiriusXM Tuner Module

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

1. If you have already connected a USB source, disconnect it from the stereo.

2 Connect the cable from the SiriusXM tuner module to the SXM TUNER port on the back of the stereo.
3 Follow the instructions provided with the SiriusXM tuner module and antenna to complete the SiriusXM installation.
4 If necessary, reconnect the USB source.
5 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

Configuring an Optional Wired Remote

NOTICE

The stereo is configured by default to work with a NMEA 2000 network, and the NRX POWER option should be enabled only when an optional remote is connected directly to the stereo. Enabling this option when the stereo is connected to a NMEA 2000 network may damage other devices on the NMEA 2000 network.

If you connect an optional wired NRX remote directly to the stereo, and not through a NMEA 2000 network , additional configuration is needed.

1 Select ☰ > **SETTINGS** > **POWER OPTIONS**.
2 Select an option:
- If you connected both your stereo and your optional wired remote to a NMEA 2000 network, make sure the **NRX POWER** option is not selected. This enables the optional remote to receive power from the NMEA 2000 network.
- If you connected the optional wired remote directly to the stereo through the NMEA 2000 connector, select the **NRX POWER** option. This enables the stereo to supply power to the optional remote.

FUSION PartyBus Networking

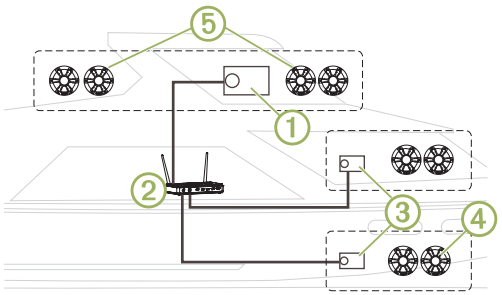
The FUSION PartyBus networking feature allows you to connect multiple compatible stereos together on a network, using a combination of wired or wireless connections.

The Apollo RA670 stereo does not have built-in Wi-Fi® technology. To use the wireless functions of the FUSION PartyBus network, you must connect the stereo to the FUSION PartyBus network using a wired ethernet connection, and then connect a Wi-Fi access point or router to the FUSION PartyBus network.

A FUSION PartyBus stereo, such as the Apollo RA670 stereo, can stream sources to other FUSION PartyBus stereos connected to the network. Connected FUSION PartyBus stereos can also control media playback on the FUSION PartyBus stereo.

A FUSION PartyBus zone stereo, such as an Apollo SRX400 zone stereo can stream from a FUSION PartyBus stereo, but cannot stream sources to other FUSION PartyBus stereos on the network.

FUSION PartyBus stereos cannot control the speaker volume of another stereo. You can adjust the volume of speakers or speaker zones connected directly to the stereo only.



In the image above, one Apollo RA670 stereo ① connects to a wireless router ② and to two Apollo SRX400 zone stereos ③.

A FUSION PartyBus zone stereo, such as the Apollo SRX400, controls the volume in a single speaker zone ④. A FUSION PartyBus stereo, such as an Apollo RA670 stereo, controls the volume on multiple speaker zones ⑤ to cover a larger area with that stereo.

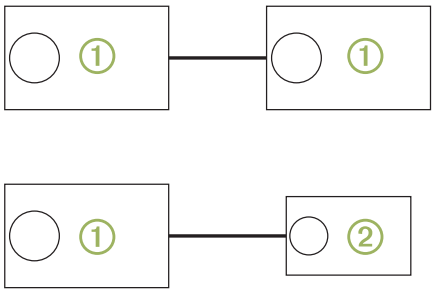
Wired Networking Considerations

When you are planning your network installation, observe the following considerations for all wired connections.

- Wired connections are more reliable than wireless connections. When planning your network, you should use network cables to connect FUSION PartyBus devices to the network when possible.
- You must connect devices using standard Cat5e or Cat6 network cables with RJ45 connectors.
- You can use one network cable to directly connect two compatible devices.
- You may need to use wired network switches and wired or wireless network routers when you connect more than two compatible stereos to a network.
- If you install a router on the network, it should be configured to be the DHCP server by default. See your router instructions for more information.
- If you do not install a router on the network, you must configure one FUSION PartyBus device to be the DHCP server.

Wired Network Example for Direct Connections

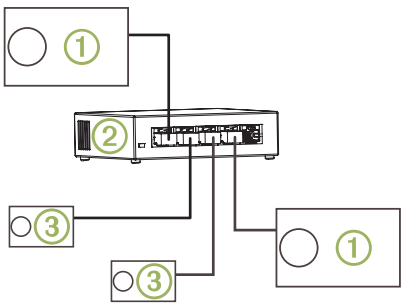
You must configure one FUSION PartyBus device as a DHCP server when connecting two devices together directly.



①	FUSION PartyBus stereo
②	FUSION PartyBus zone stereo

Wired Network Example with a Switch or Router

You must use wired network switches, a wired network router, or both to connect more than two FUSION PartyBus devices.



①	FUSION PartyBus stereo
②	Wired network switch or wired network router
③	FUSION PartyBus zone stereo

Constructing a Network

You should have a basic understanding of networking when building a network for FUSION PartyBus devices.

These instructions guide you through the basics of building and configuring a network, and should apply to most situations. If you need to perform advanced networking tasks, such as assigning static IP addresses to devices on the network or configuring advanced settings on a connected router, you may need to consult a networking professional.

1. Determine the installation location of the FUSION PartyBus devices you want to connect to the network.

   NOTE: Wired connections are more reliable than wireless connections. When planning your network, you should run network cables instead of using wireless connections when possible.
2. Determine the installation location of any needed network routers or switches.
3. Route Cat5e or Cat6 network cable to the installation locations of the stereos, switches, and router.
4. Connect the network cables to the stereos, switches, and router.

   NOTICE

   Do not completely install the stereos yet. You should test the network before you install the stereos.
5. Turn on all devices connected to the network, including wireless devices.
6. If you are using a network router (wired or wireless), consult the documentation provided with your router to configure the router as the DHCP server, if necessary.

   All stereos should use their default configuration (automatic IP).
7. Test the network by viewing the list of FUSION PartyBus devices from each device on the network and select an option:
   - If any FUSION PartyBus devices are not available to the network, troubleshoot the network (*Network Troubleshooting*, page 5).
   - If all FUSION PartyBus devices are available to the network, complete the installation for each stereo, if necessary.

Network Troubleshooting

If you cannot see or connect to FUSION PartyBus devices on the network, check the following:

- Verify that only one device, either a stereo or a router, is configured as a DHCP server.
- Verify that all FUSION PartyBus devices, network switches, routers, and wireless access points are connected to the network and turned on.
- Verify that wireless FUSION PartyBus devices are connected to a wireless router or wireless access point on the network.
- If you configured static IP addresses, verify that every device has a unique IP address, that the first three sets of numbers in the IP addresses match, and that the subnet masks on every device are identical.
- If you have made configuration changes that might be causing networking issues, reset all network settings to factory defaults.

Stereo Information

Specifications

General	
Weight	750 g (26.5 oz.)
Water rating*	IEC 60529 IPX6 and IPX7
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 700 mA
Current (off, standby mode enabled)	50 mA
Current (off, standby mode disabled)	35 mA
Fuse	15 A mini blade-type
NMEA 2000 LEN	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 @ from 10 to 13.29 dBm nominal ANT 2.4 GHz @ from 4 to 6.92 dBm nominal
Compass-safe distance	20 cm (7.87 in.)

* 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 garmin.com/waterrating.

On-board, Class D Amplifier	
Output music power per channel	4 x 70 W max. 2 ohm
Total output peak power	280 W max.
Output power per channel	4 x 43 W RMS at 14.4 Vdc input, 2 ohm, 10% THD* 4 x 26 W RMS at 14.4 Vdc input, 4 ohm, 10% THD*

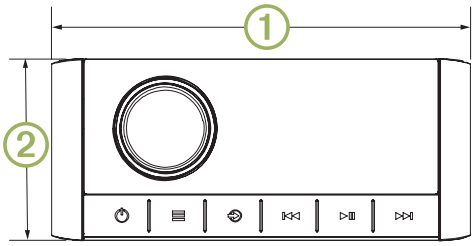
On-board, Class D Amplifier	
Line output level (max.)	5.5 V (peak to peak)
Aux input level (typical)	1 V RMS

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

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

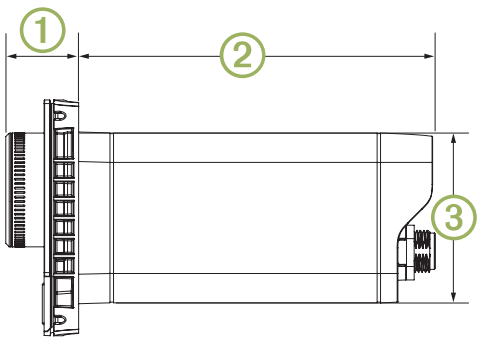
Stereo Dimension Drawings

Front Dimensions



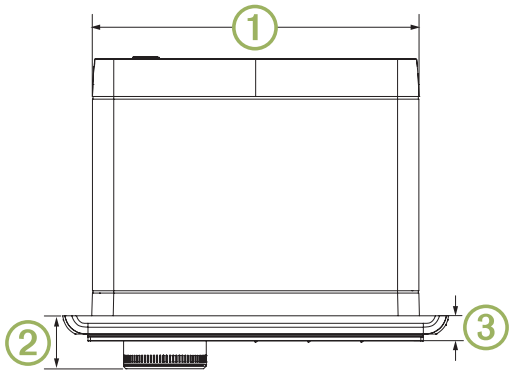
①	157 mm (6.18 in.)
②	68 mm (2.68 in.)

Side Dimensions



①	21 mm (0.83 in.)
②	102 mm (94.0 in.)
③	49 mm (1.93 in.)

Top Dimensions



①	130 mm (5.10 in.)
②	21 mm (0.83 in.)
③	10 mm (0.39 in.)

Registering Your Apollo MS-RA670

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.

If the stereo is connected to a FUSION PartyBus network with a Wi-Fi router, you can also update the software using the FUSION-Link™ remote control app on your compatible Apple® or Android™ device. To download the app and update the device software, go to the Apple App Store℠ or the Google Play™ store.

© 2019 Garmin Ltd. or its subsidiaries
Garmin®, ANT®, FUSION®, and the Fusion logo are trademarks of Garmin Ltd. or its subsidiaries, registered in the USA and other countries. Apollo™, FUSION-Link™, and FUSION PartyBus™ are trademarks of Garmin Ltd. or its subsidiaries. These trademarks may not be used without the express permission of Garmin.

Apple® is a trademark of Apple Inc., registered in the USA and other countries. App Store℠ is a service mark of Apple Inc., registered in the USA and other countries. Android™ and Google Play™ are a trademarks of Google Inc. Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Garmin is under license. NMEA 2000® and the NMEA 2000 logo are registered trademarks of the National Marine Electronics Association. SiriusXM® is a registered trademark of SiriusXM Radio Inc. Wi-Fi® is a registered mark of Wi-Fi Alliance Corporation. Other trademarks and trade names are those of their respective owners.

FUSION® Apollo™ MS-RA670
Quick Start Manual

Quick Start Manual	2
Manuel de démarrage rapide	7
Manuale di avvio rapido	14
Schnellstartanleitung	20
Guía de inicio rápido	27
Manual de início rápido	33
Snelstartgids	39
Lynstartvejledning	45
Aloitusopas	51
Hurtigstartveiledning	57
Snabbstartshandbok	63
快速入門手冊	69
快速入门手册	75

FUSION®

FUSIONENTERTAINMENT.COM

Apollo™ MS-RA670
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 the web.

1. Go to **www.fusionentertainment.com/marine**.
2. Select your product.
3. Select **Manuals and Downloads**.
4. Select a manual.

Stereo Controls

Button	Function
Dial	• Turn to adjust the volume. ◦ 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 PARTYBUS tab.
⏻	• Press to turn on the stereo. • Press to mute and un-mute the audio. • Press and hold to turn off the stereo.
☰	• Press to open the menu. • Press to return to the previous screen from the menu. • Press and hold to exit the menu.
⏎	• Press to change the source. • Press and hold to open the PARTYBUS menu.
⏮	• 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: ◦ Press to tune to the previous station or preset. ◦ Press and hold for faster tuning (manual mode only). • SiriusXM (in Replay Mode) source: ◦ Press to skip to the previous track. ◦ Press and hold to rewind the current track. • DAB source: ◦ 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
▶II	• Press to play media or resume media playback. • AM/FM: ◦ Press to cycle through the tuning modes (auto, manual, and presets). ◦ Press and hold to save the selected station as a preset. • SiriusXM source: ◦ 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.
▶▶I	• 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: ◦ Press to tune to the next station or preset. ◦ Press and hold for faster tuning (manual mode only). • SiriusXM (in Replay Mode) source: ◦ Press to skip to the next track, if applicable. ◦ Press and hold to fast-forward the current track, if applicable. • DAB source: ◦ 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	Network status
③	Album art (if available from a compatible source)
④	Track details
⑤	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. Use 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 until all the GLOBAL zone is highlighted.

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. The stereo can play media from Universal Plug and Play (UPnP) devices, such as a Network Attached Storage (NAS) device connected to the same network.

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 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®: NTFS, VFAT, FAT, 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 7).

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.

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 ▶II 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 Apollo™ MS-RA670 Owner's Manual.

FUSION PartyBus™ Networking

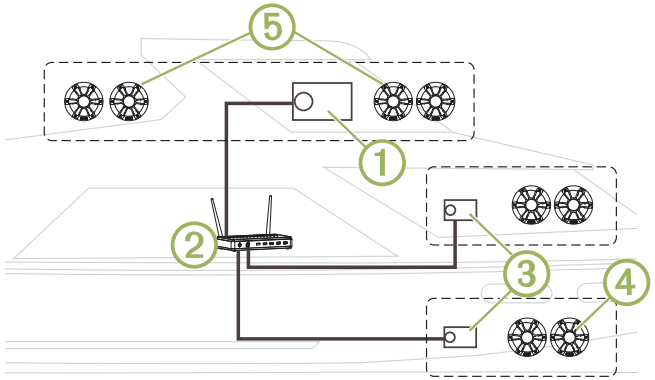
The FUSION PartyBus networking feature allows you to connect multiple compatible stereos together on a network, using a combination of wired or wireless connections.

The Apollo RA670 stereo does not have built-in Wi-Fi® technology. To use the wireless functions of the FUSION PartyBus network, you must connect the stereo to the FUSION PartyBus network using a wired ethernet connection, and then connect a Wi-Fi access point or router to the FUSION PartyBus network.

A FUSION PartyBus stereo, such as the Apollo RA670 stereo, can stream sources to other FUSION PartyBus stereos connected to the network. Connected FUSION PartyBus stereos can also control media playback on the FUSION PartyBus stereo.

A FUSION PartyBus zone stereo, such as an Apollo SRX400 zone stereo can stream from a FUSION PartyBus stereo, but cannot stream sources to other FUSION PartyBus stereos on the network.

FUSION PartyBus stereos cannot control the speaker volume of another stereo. You can adjust the volume of speakers or speaker zones connected directly to the stereo only.



In the image above, one Apollo RA670 stereo ① connects to a wireless router ② and to two Apollo SRX400 zone stereos ③.

A FUSION PartyBus zone stereo, such as the Apollo SRX400, controls the volume in a single speaker zone ④. A FUSION PartyBus stereo, such as an Apollo RA670 stereo, controls the volume on multiple speaker zones ⑤ to cover a larger area with that stereo.

Streaming from a FUSION PartyBus Stereo on the Network

Before you can stream from a stereo on the FUSION PartyBus network, you must set up and configure your FUSION PartyBus stereos according to the installation instructions.

1. Select ⏎.
2. Press and hold the dial to open the **PARTYBUS** tab.

   TIP: You can press and hold ⏎ to show available FUSION PartyBus devices.

   The device shows a list of available FUSION PartyBus stereos on the network.

3 Select the stereo you want to stream from.

The stereo begins streaming the same source as the connected FUSION PartyBus stereo, and a green border appears around the device screen. All media playback functions affect both devices.

Stopping Streaming from a FUSION PartyBus Device on the Network

You can leave the FUSION PartyBus network to play local sources on the stereo.

1 Select ⏎.

2 Press and hold the dial to open the **PARTYBUS** tab.

3 Select **LEAVE PARTYBUS**.

You can press and hold ⏎ to quickly leave the FUSION PartyBus network.

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 7). 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.

If the stereo is connected to a Wi-Fi network, the app can communicate with the stereo using the network for greater range than a Bluetooth connection.

For information about the FUSION-Link remote control app for compatible Apple or Android devices, go to the Apple App Store℠ or the Google Play™ store.

Registering Your Apollo MS-RA670

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.

Apollo™ MS-RA670
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 manuel d'utilisation et les traductions des manuels sur le Web.

1 Rendez-vous sur le site **www.fusionentertainment.com/marine**.

2 Sélectionnez votre produit.

3 Sélectionnez **Manuels et téléchargements**.

4 Sélectionnez un manuel.

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

Garmin®, ANT®, FUSION®, and the Fusion logo are trademarks of Garmin Ltd. or its subsidiaries, registered in the USA and other countries. Apollo™, Connect IQ™, FUSION-Link™, FUSION-Link Lite™, and FUSION PartyBus™ are trademarks of Garmin Ltd. or its subsidiaries. These trademarks may not be used without the express permission of Garmin.

Apple® is a trademark of Apple Inc., registered in the USA and other countries. App Store℠ is a service mark of Apple Inc., registered in the USA and other countries. Android™ and Google Play™ are a trademarks of Google Inc. Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Garmin is under license. NMEA 2000®, and the NMEA 2000 logo are registered trademarks of the National Marine Electronics Association. SiriusXM® is a registered trademark of SiriusXM Radio Inc. Wi-Fi® is a registered mark of Wi-Fi Alliance Corporation. Other trademarks and trade names are those of their respective owners.

M/N: A03657

IC: 1792A-03657

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

FUSIONENTERTAINMENT.COM

190-02516-90_0A
April 2019
Printed in Taiwan

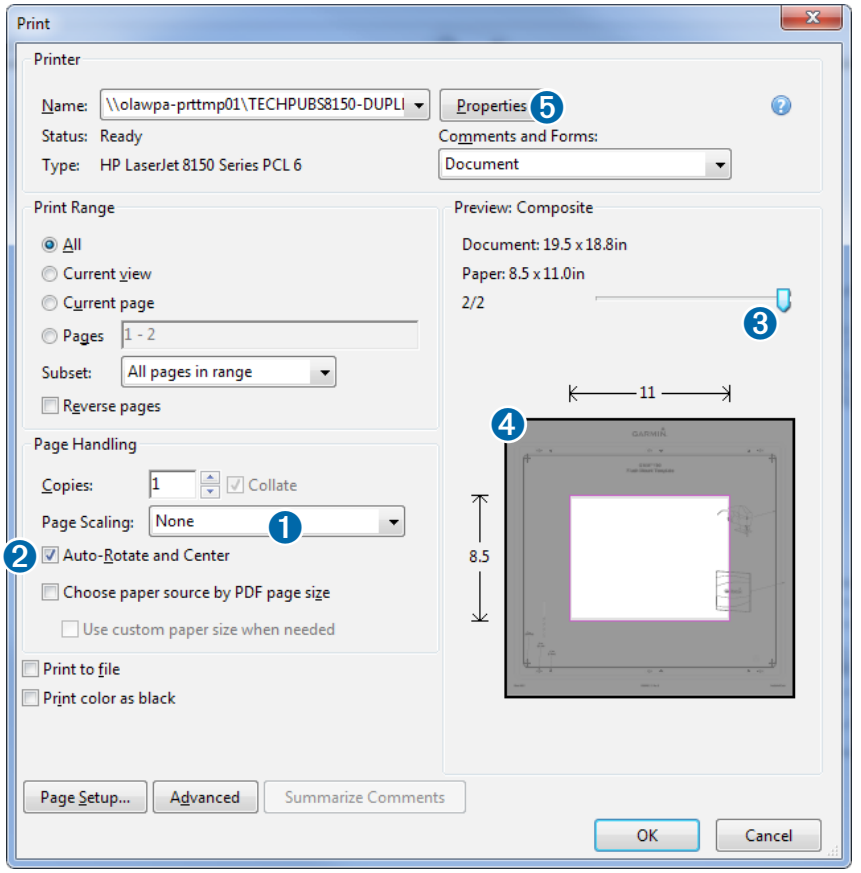
Printing a Mounting Template

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 **None** for **Page Scaling** ❶.

3 Ensure the check mark is next to **Auto-Rotate and Center** ❷.

4 Drag the arrow ❸ to the right, to view page 2 in the window below.

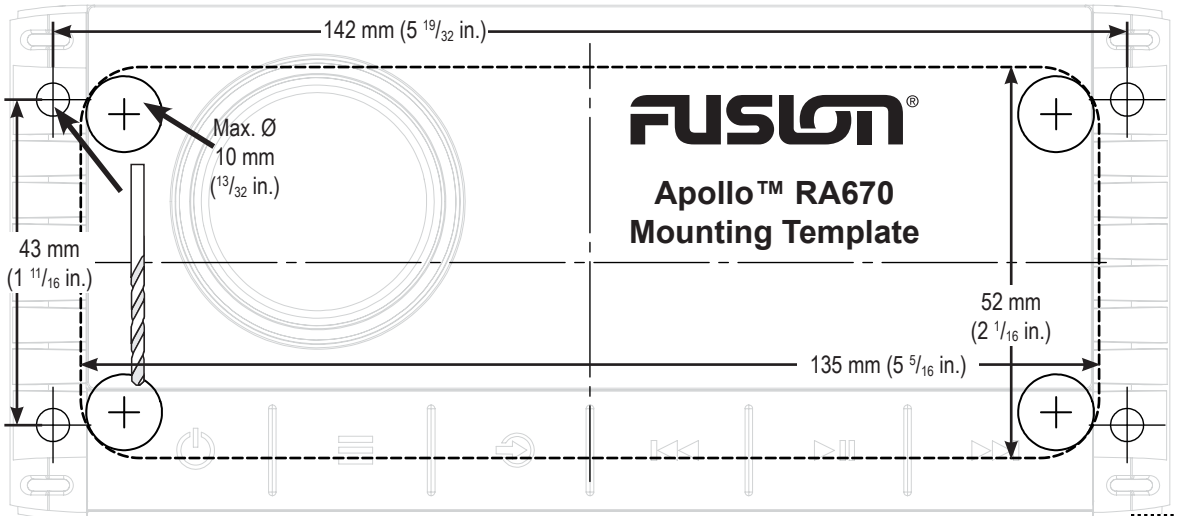
4 Verify that the paper size is larger than the template ❹.

In this example, the paper is not larger than the template.

5 If the paper size is not large enough, select **Properties** ❺ and select a **Page Size** that is larger than the template.

NOTICE

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



March 2019
© 2019 Garmin Ltd. or its subsidiaries
Printed in Taiwan
190-02516-04 _0A

Important Safety and Product Information 2

Informations importantes sur le produit et la sécurité 3

guida Informazioni importanti sulla sicurezza e sul prodotto 4

Wichtige Sicherheits- und Produktinformationen 5

Información importante sobre el producto y tu seguridad 6

Informações importantes sobre segurança e sobre o produto 6

Belangrijke veiligheids- en productinformatie 7

Vigtige produkt- og sikkerhedinformationer 8

Tärkeitä turvallisuus- ja tuotetietoja 8

Viktig sikkerhets- og produktinformasjon 9

Guiden Viktig säkerhets- och produktinformation 10

重要安全和产品信息 10

© 2014–2019 Garmin Ltd. or its subsidiaries

Printed in Taiwan
April 2019
190-00720-53_0F

Important Safety and Product Information

⚠ WARNING

Failure to heed the following warnings could result in an accident or collision 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 3-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 limited warranty for the FUSION product purchased extends to 36 months beginning on the date of purchase of the product.
- 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 warranty apply to the extent that they are not superseded by any other rights and remedies available under any applicable legislation that cannot be excluded. In jurisdictions where implied or legal warranties may be excluded, any implied or legal warranty is hereby excluded and the foregoing warranty is the purchaser’s sole and exclusive remedy and is in lieu of all other warranties, express or implied.

- Some states in America do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights which may vary from state to state.
- 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 3-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 3-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 (36) 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 ou une collision 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. Evitez 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 ETRE LIE PAR LES TERMES DU PRESENT 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 Etats-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 Etats-Unis d'Amérique ou à celles de tout autre pays concerné.

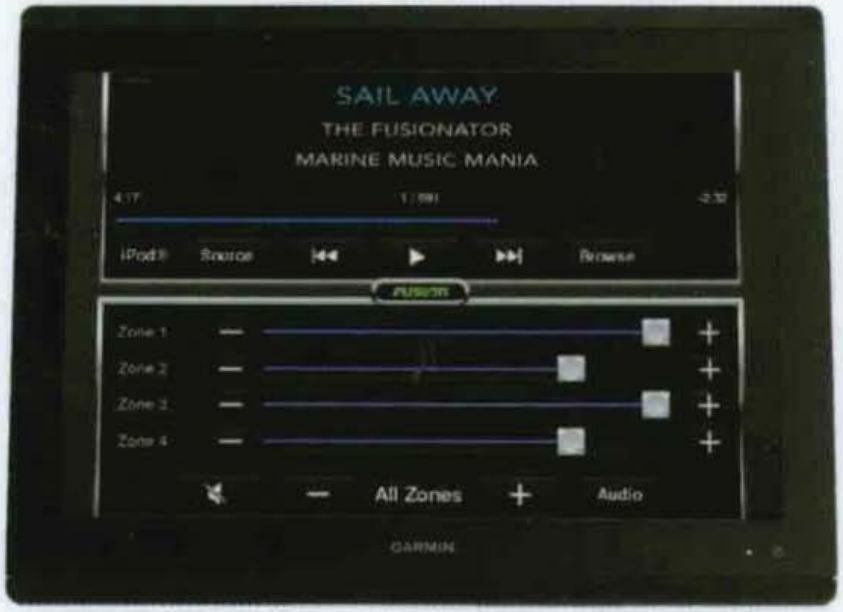
Garantie limitée de 3 ans s'appliquant aux utilisateurs en milieu marin

Garmin New Zealand Limited, exerçant sous le nom FUSION Entertainment (« FUSION »), garantit que ce produit FUSION Marine est exempt de tout défaut de matériel et de fabrication conformément aux conditions générales suivantes :

- La garantie limitée du produit FUSION acheté s'étend à 36 mois à compter de sa date d'achat.

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™

Download on the App Store

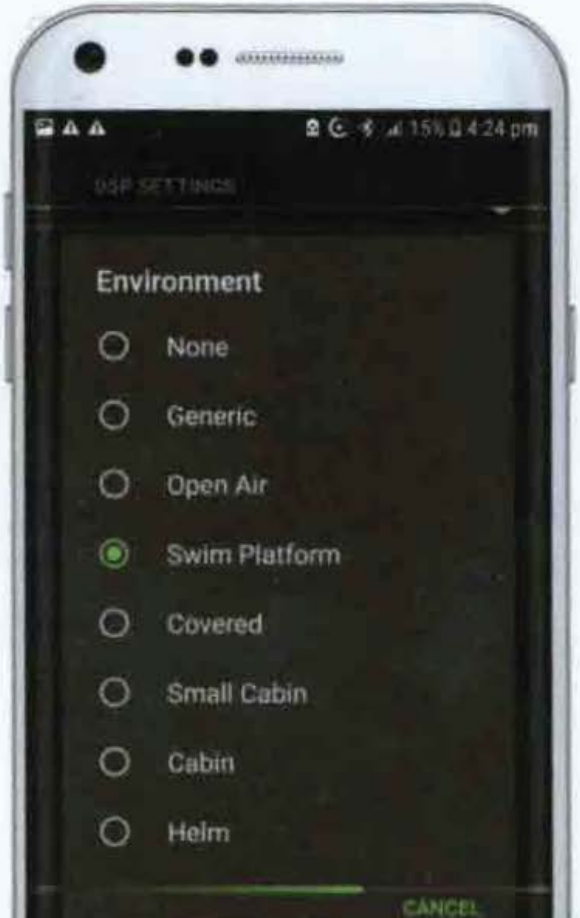
GET IT ON Google Play

FUSION-LINK.COM

190-02137-10

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.

(2) Select the connected Fusion speakers and amplifiers.



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

DSP
Digital Signal Processing

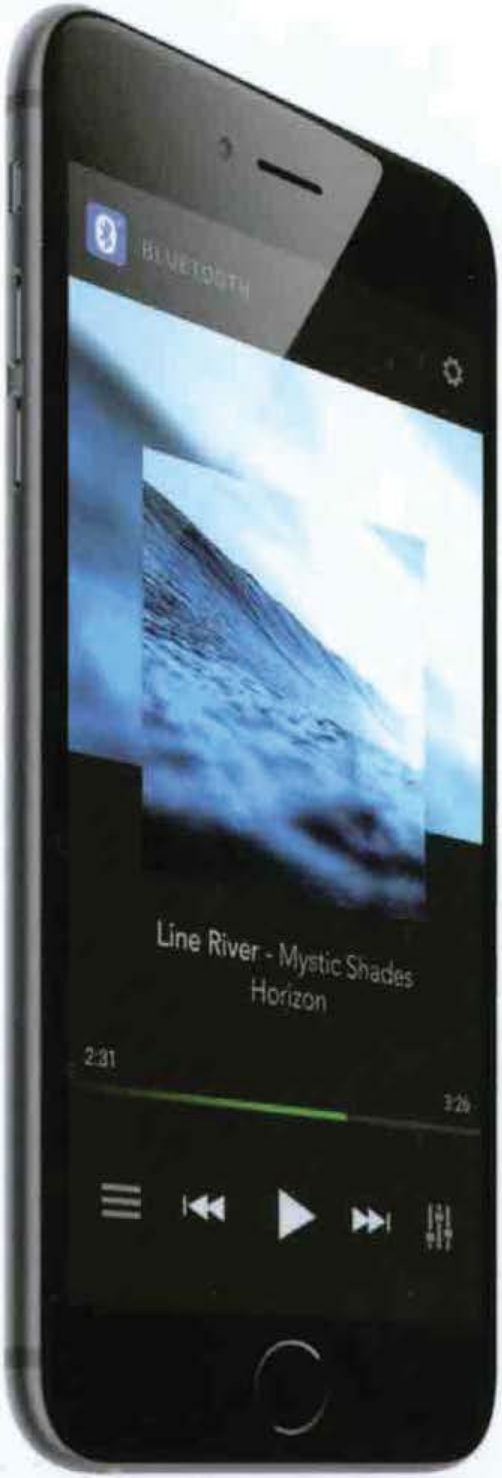
EASY-TO-INSTALL DSP PROFILES RIGHT FROM YOUR DEVICE

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

NEW USER INTERFACE



FUSION-LINK™ CONTROL

Download the free Fusion-Link remote control app for Bluetooth and Wi-Fi from the Apple® App Store or Google Play™ and enjoy the freedom of wireless control from your compatible device.

Control Includes:

- Volume control
- Play / pause / skip
- Source selection
- Zone naming
- Zone EQ settings
- Software updates
- Quick access to product support
- DSP profile settings