



# Apollo™ SRX400 Installation Instructions

## Important Safety Information

### ⚠ WARNING

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

### ⚠ 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.

## 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](http://www.fusionentertainment.com/marine).
- 2 Select your product.
- 3 Select **Manuals & Downloads**.
- 4 Select a manual.

## What's In the Box

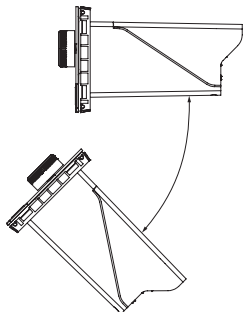
- Mounting gasket
- Mounting template
- Four 8-gauge, self-tapping screws
- Two screw covers
- Power, speaker, line-out, and subwoofer-out wiring harness

## 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 10 cm (3.9 in.) away from a compass.

## Mounting the Stereo

### NOTICE

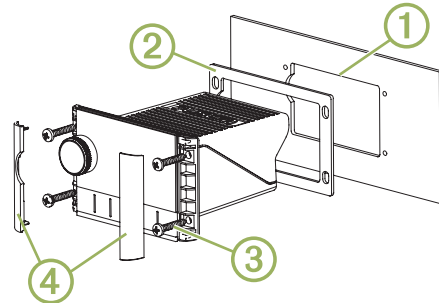
Be careful when cutting the hole to mount the stereo. There is only a small amount of clearance between the case and the mounting holes, and cutting the hole too large could compromise the stability of the stereo after it is mounted.

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.
- 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.

- 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.

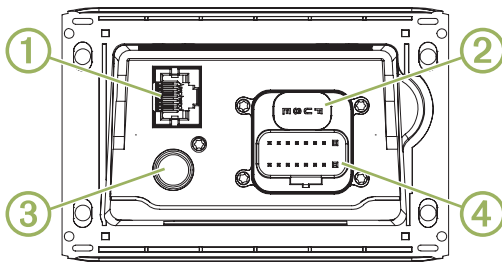
You should hand-tighten the screws when securing the stereo to the mounting surface to avoid overtightening them.

**15** Snap the screw covers in place ④.

## Connection Considerations

You must connect the stereo to power, to speakers, and to media input sources. You should carefully plan the layout of the stereo, speakers, input sources, and optional FUSION PartyBus™ devices and FUSION PartyBus network before making any connections.

### Port Identification



①	Connects to a FUSION PartyBus stereo or network ( <i>FUSION PartyBus Networking</i> , page 3).
② FUSE	Contains the 15 A fuse.
③	Connects 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.
④	Connects to the wiring harness

### Wiring Harness

Wire Function	Wire Color/Label	Notes
Ground (-)	Black	Connects to the negative terminal of a 12 Vdc power source. You should connect this wire before connecting the yellow wire. All accessories connected to the stereo must share a common ground location.
Power (+)	Yellow	Connects to the positive terminal of a 12 Vdc power source capable of supplying 15 A. You should fuse this wire as closely to the power source as possible with a 15 A fuse.
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 wire to the same source as the yellow (power) wire.

Wire Function	Wire Color/Label	Notes
Amplifier on	Blue	Connects to an optional external amplifier to turn on the amplifier when the stereo turns on.
Dim	Orange	Connects to the boat's illumination wire to dim the stereo screen when the boat's lights are on. The gauge of the illumination wire must be suitable for the fuse supplying the circuit it is connected to.
Speaker left (+)	White	
Speaker left (-)	White/black	
Speaker right (+)	Gray	
Speaker right (-)	Gray/black	
Line out (left) Line out (right)	ZONE 1 LINE OUT	Provides output to an external amplifier, and is associated with the volume control for zone 1.
Subwoofer out	SUB OUT	Provides a single, mono output to a powered subwoofer or subwoofer amplifier. A connected subwoofer is associated with the volume control for zone 1.

### 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.

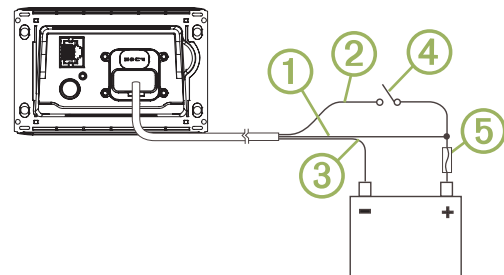
You should connect the red signal wire to the same battery through the ignition or another manual switch to turn the stereo on and off. If you are not routing the red wire through the ignition or another manual switch, you can connect the red wire to the yellow wire, and connect them both to the positive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

**1** Route the yellow power ①, red signal 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.



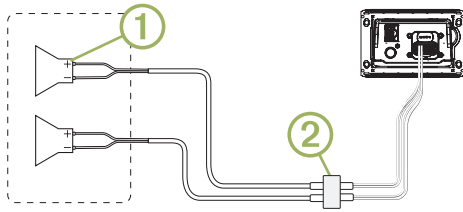
**2** Connect the black wire to the negative (-) battery terminal.

**3** If you are routing the red wire through the ignition or another manual switch ④, connect the red signal 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.

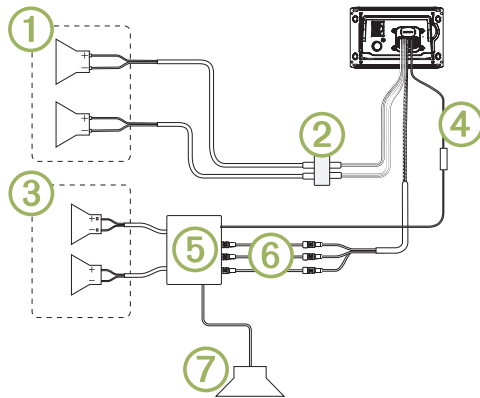
**NOTE:** If you are running the red wire through a fused switch, it is not necessary to connect the red wire to the yellow wire or to add another fuse to the red wire.

### Simple Speaker System Wiring Example



①	Speakers
②	Water-tight connection

### Complete Speaker System Wiring



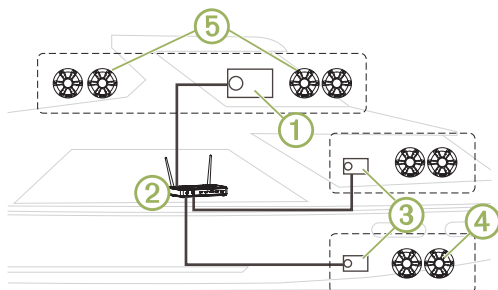
Item	Description
①	Speakers
②	Water-tight connection
③	speakers
④	Amplifier-on signal wire
⑤	Powered amplifier
⑥	line out
⑦	Subwoofer

### FUSION PartyBus Networking

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

A FUSION PartyBus stereo, such as an Apollo RA770 stereo, can stream sources to other FUSION PartyBus devices connected to the network. Connected FUSION PartyBus devices 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 devices on the network.

You can connect up to eight FUSION PartyBus devices on a network.



In the image above, one Apollo RA770 stereo (1) connects to a wireless router (2) and to two Apollo SRX400 zone stereos (3). The two FUSION PartyBus stereo zone stereos can stream sources from the FUSION PartyBus stereo.

A FUSION PartyBus zone stereo is not the same thing as a speaker zone. It is an independent stereo that can either play media from connected sources or stream from a FUSION PartyBus stereo on the network. You can connect a FUSION PartyBus zone stereo, such as an Apollo SRX400 zone stereo, to a single speaker zone (4). You can connect a FUSION PartyBus stereo, such as an Apollo RA770 stereo, to multiple speaker zones (5) to cover a larger area with that stereo. FUSION PartyBus devices cannot control the speaker volume of another stereo. You can adjust the volume of speakers or speaker zones connected directly to the stereo only.

### FUSION PartyBus Network Configuration

For information about constructing and configuring a FUSION PartyBus network, see the installation instructions for the FUSION PartyBus stereo, such as the Apollo RA770 stereo.

### Stereo Information

#### Specifications

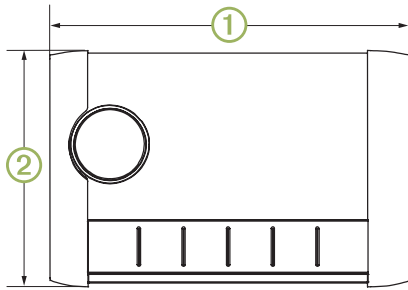
General	
Weight	340 g (12.0 oz.)
Water resistance	IEC 60529 IPX7 (front of stereo only, when properly installed)
Operating temperature range	From 0 to 50°C (from 32 to 122°F)
Storage temperature range	From -20 to 70°C (from -4 to 158°F)
Input voltage	From 10.8 to 16 Vdc
Current (max.)	8 A
Current (muted)	Less than 400 mA
Current (off, standby mode enabled)	50 mA
Current (off, standby mode disabled)	5 mA
Fuse	15 A blade type
Wi-Fi® wireless range	Up to 32 m (105 ft.)
Bluetooth® wireless range	Up to 10 m (30 ft.)
Wireless frequencies/protocols	Wi-Fi 2.4 GHz @ 15 dBm nominal Bluetooth 2.4 GHz @ 10 dBm nominal
Compass-safe distance	10 cm (3.9 in.)

On-board, Class D Amplifier	
Output music power per channel	70 W max. x 2 at 4 ohm per channel
Total output music power	140 W max.
Output power per channel	35 W RMS x 2 at 2 ohm

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

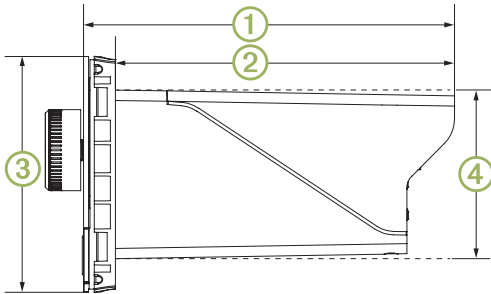
## Stereo Dimension Drawings

### Front Dimensions



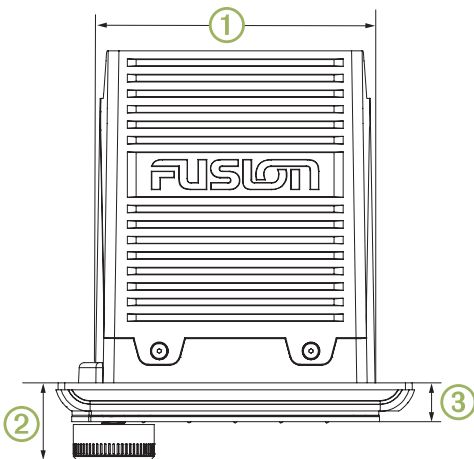
①	110 mm (4.33 in.)
②	70 mm (2.76 in.)

### Side Dimensions



①	110 mm (4.33 in.)
②	100 mm (3.94 in.)
③	70 mm (2.76 in.)
④	50 mm (1.97 in.)

### Top Dimensions



①	83 mm (3.27 in.)
②	22 mm (0.87 in.)
③	10 mm (0.39 in.)

## Registering Your Apollo SRX400

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

- Go to [www.fusionentertainment.com](http://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 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.

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