

1 Plan the Antenna Location and Mounting Option

Caution: When installing the antenna, do not cut or alter the antenna cable, or remove the cable connectors.

Two considerations are necessary before installing the antenna. First, finding a suitable mounting location, and second determining how the antenna will be mounted. There are several in-box mounting options for the antenna, or accessories can be purchased from a marine store for additional marine mounting options.

In choosing where to mount the antenna, consider whether you will be securing the antenna from the underside of the mounting surface, or attaching the antenna to the mounting surface. Also determine if the antenna wire will be passed through the mounting surface, or if it will be routed along the surface.

If the distance between the antenna and the SXV300 Connect Tuner is more than 25 feet, replacement antenna cables are available from Shakespeare in 35, 50, and 90 foot lengths. The part numbers are SRC-35, SRC-50, and SRC-90. (Note that these are not extension cables.)

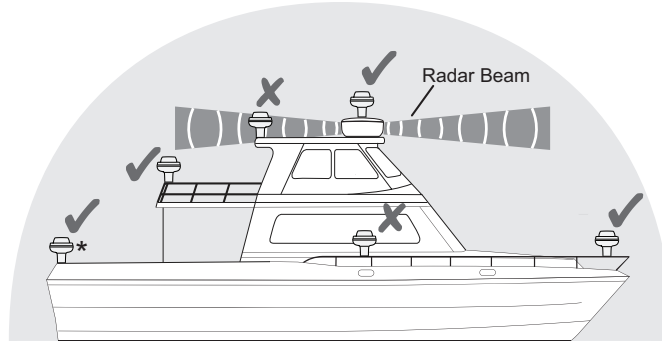
Choose a Location

The antenna must be mounted horizontally, and in a location that is open and has a clear view of the sky.

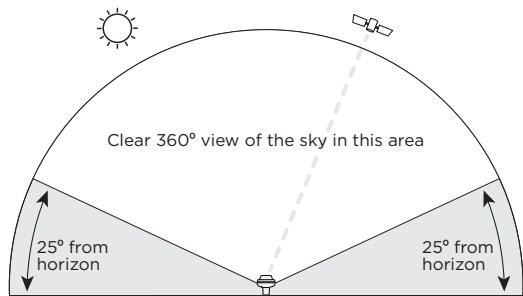
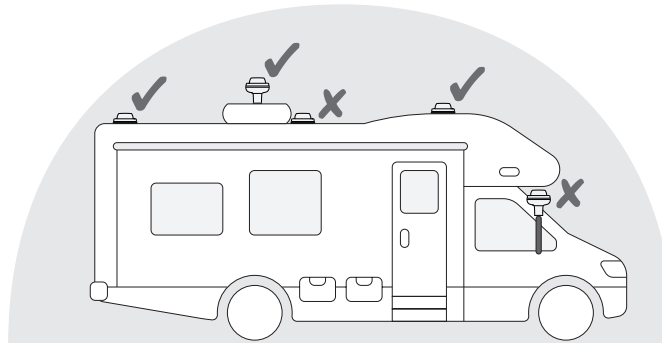
The antenna must also be mounted away from any metal objects or other structures that could block the line-of-sight reception of the satellite signal. The height of the antenna is not as important as having a clear view of the sky.

The antenna should be mounted a minimum of 1 meter (3 ft.) away from other radio transmitting antennas (such as CB, VHF, or Sideband antennas), and also in a marine installation a minimum of 2 meters (7 ft.) from a radar antenna.

Once you have selected a possible mounting location, sight a full 360° circle around the antenna at an elevation angle of 25° to make sure no obstacles block the antenna's view of the sky.



*Keep antenna at least 1 meter (3 ft.) away from engine to avoid interference.



Choose Antenna Mounting Option

In-Box Mounting Options		
Surface Mount		Antenna is secured from the underside of the mounting surface. For mounting surfaces between 1/4" and 1" thick, use the supplied extension shaft. Route the antenna cable through the mounting surface. Secure from below the mounting surface using the lock washer & retaining nut. (Marine or RV sealant required, purchased separately.)
Surface Mount with Base		Antenna is secured topside to the mounting surface, and is also used when the antenna cable cannot be routed through the mounting surface to the underside. Secure to the surface using 4 screws.
Pedestal Mount		Antenna is secured topside above the mounting surface. Route antenna cable either through or above the mounting surface. Secure to the surface using 3 screws.
Optional Marine Mounting Options (purchased separately)		
Extension Mast Mount (Marine only)		Compatible with third-party 1"-14 threaded masts (purchased separately) which can be purchased in varying lengths to extend the antenna up a greater distance above the mounting surface on a vessel. Antenna is secured topside to the mounting surface. Route antenna cable either through or above the mounting surface. Secure to the surface using 3 screws.
Rail Mount (Marine only) (Shakespeare model 4720 Rail Mount)		Use a rail mount (purchased separately) to attach the antenna to an existing 7/8", 1", or 1-1/4" rail on the vessel.

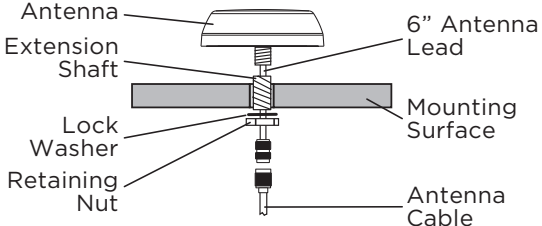
2 Install the Antenna

Always mount the antenna so that it does not interfere with safe operation of the vessel or RV.

Important: When mounting to a surface using the low-profile, pedestal, or extension mast mounting method where the antenna cable will exit above the mounting surface, orient the base or pedestal bottom so that the antenna cable exits towards the rear of the vessel or RV, away from oncoming wind from normal vessel or vehicle motion.

Surface Mount

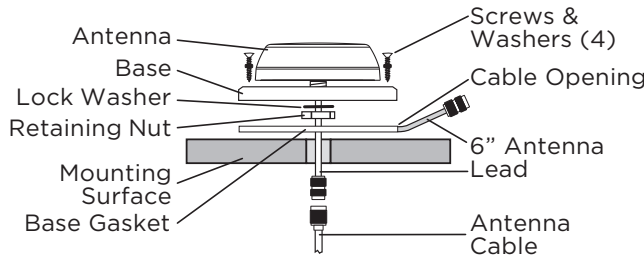
1. Drill a 9/16" mounting hole. When drilling fiberglass surfaces, use a small backup block of scrap wood underneath to control push-through splintering. Use caution to avoid drilling through or near fuel lines, fuel tanks, hydraulic lines, plumbing, or electrical wiring.



2. For mounting surfaces greater than 1/4" thick (up to 1" thick), use the extension shaft (provided), otherwise continue with step 3.
 - a. Route the 6" antenna lead with TNC female connector through the center of the extension shaft.
 - b. Thread the extension shaft onto the existing antenna shaft and tighten.
3. Pass the 6" antenna lead connector and cable, and extension shaft (if used), through the hole that was drilled.
4. Apply a small bead of marine or RV sealant around the outer edge of the antenna base to insure a watertight seal.
5. Secure the antenna to the mounting surface with the supplied retaining nut and lock washer.
6. Connect the antenna cable to the 6" antenna lead.
7. Route the antenna cable to the SXV300 Connect Tuner and connect to the **Antenna** connection.

Surface Mount with Base

1. If you are going to route the antenna cable through the mounting surface, drill a 9/16" center hole for the antenna cable. When drilling fiberglass surfaces, use a small backup block of scrap wood to control push-through splintering. Use caution to avoid drilling through or near fuel lines, fuel tanks, hydraulic lines, plumbing, or electrical wiring.
2. Attach the antenna onto the base by using the lock washer and retaining nut.

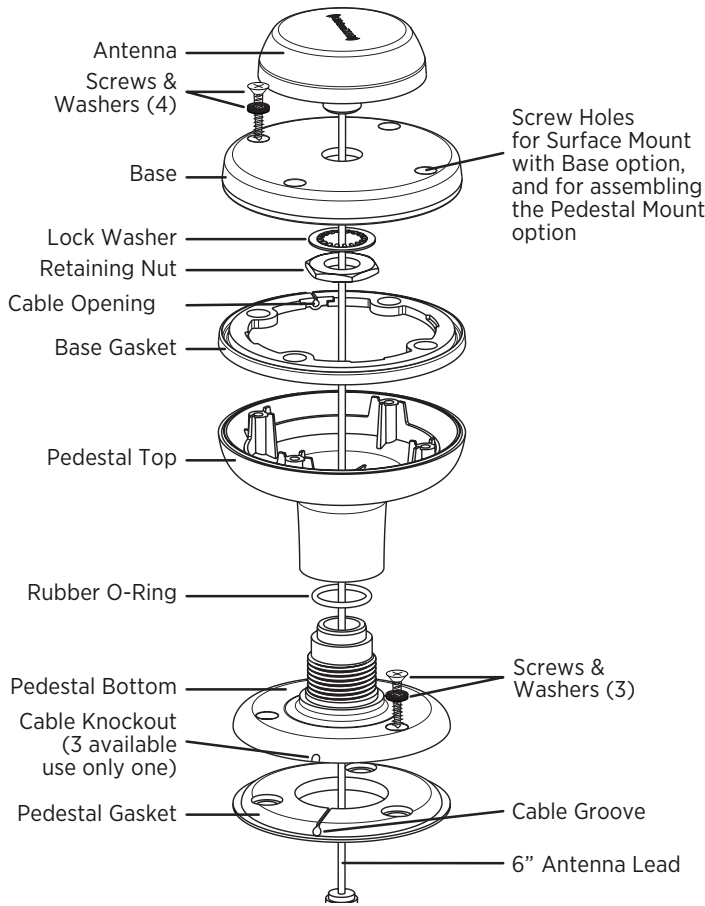


3. Orient the antenna as desired. Place on the mounting surface and take off the antenna and base leaving the base gasket in the same position. Use the base gasket as a template to mark the locations for screws.

4. The provided mounting screws will accommodate most surfaces. If you find them too long, too short, or otherwise unsuitable for your application, substitute wood screws, machine screws/washers/nuts, or other hardware (not provided). Be sure to use only stainless steel hardware. If you find it too difficult to start the mounting screws, drill 3 mm (7/64") pilot holes.
5. Either pass the 6" antenna lead along with the connector through the center hole, or, lay the 6" antenna lead into the cable opening in the base gasket. Place the antenna, base, and base gasket on the mounting surface aligning it to the marks made in step 3.
6. Use the provided mounting screws (or other stainless steel hardware, not provided) to mount the antenna to the surface. Do not over-tighten the screws.
7. Connect the antenna cable to the 6" antenna lead.
8. Route the antenna cable to the SXV300 Connect Tuner and connect to the **Antenna** connection.

Pedestal Mount

1. If you are going to route the antenna cable through the mounting surface, drill a 9/16" mounting hole. When drilling fiberglass surfaces, use a small backup block of scrap wood to control push-through splintering. Use caution to avoid drilling through or near fuel lines, fuel tanks, hydraulic lines, plumbing, or electrical wiring.
2. Assemble the antenna as shown:
 - a. Attach the antenna to the base with the lock washer and retaining nut.
 - b. Align the base with the antenna, the base gasket, and the pedestal top so that the openings for the 4 screws are aligned, and use the provided screws to screw them together.
 - c. Place the rubber o-ring between the pedestal top and the pedestal bottom, and screw the pedestal bottom into the pedestal top.
 - d. Place the pedestal gasket into the pedestal bottom, aligning the screw holes.
3. Orient the antenna as desired and mark a pencil line on the pedestal bottom and on the mounting surface to serve as an alignment index later.
4. While holding the pedestal gasket to the mounting surface, lift off the remainder of the antenna assembly and use the pedestal gasket as a template to mark the locations for the screws.
5. The provided mounting screws will accommodate most surfaces. If you find them too long,



too short, or otherwise unsuitable for your application, substitute wood screws, machine screws/washers/nuts, or other hardware (not provided). Be sure to use only stainless steel hardware. If you find it too difficult to start the screws, drill 7/64" pilot holes.

6. Unscrew the pedestal bottom from the rest of the antenna assembly, keeping the rubber o-ring in place.
7. If you are **not** routing the 6" antenna lead out through the side of the pedestal bottom, continue with step 9.

A needle nose pliers may be used to break off one of the three cable knockouts in the pedestal bottom to align with the cable groove in the pedestal gasket. Refer to the alignment mark made in step 3 to ensure the antenna cable exits the pedestal in the correct direction.
8. Place the 6" antenna lead into the cable groove in the pedestal gasket and align with the cable knockout in the pedestal bottom.
9. Attach the pedestal bottom and pedestal gasket to the mounting surface, orienting them according to the alignment mark made in step 3. Use the provided mounting screws (or other stainless steel hardware, not provided) to mount the pedestal to the surface. If you are routing the 6" antenna lead out through the side of the pedestal bottom, do not fully tighten the screws yet — the 6" antenna lead must be free to turn. If the 6" antenna lead is routing through the mounting surface, route it through the mounting surface and tighten the screws. Do not over-tighten.
10. Verify that the rubber o-ring is in place and attach the rest of the antenna assembly to the mounted pedestal bottom by screwing it onto the pedestal bottom until tight.

Note: If you are routing the 6" antenna lead out through the side of the pedestal bottom, make sure the antenna lead can turn freely so that it does not get twisted as you screw the antenna assembly onto the pedestal bottom. When complete, finish tightening the 3 screws that hold the pedestal base to the mounting surface. Do not over tighten.
11. Connect the antenna cable to the 6" antenna lead.
12. Route the antenna cable to the SXV300 Connect Tuner and connect to the **Antenna** connection.

Extension Mast Mount (Optional, Marine Only)

1. Follow the installation steps 2a and 2b in the **Pedestal Mount** section. Place the rubber o-ring over the threads of the extension mast.
2. You will need to feed the 25' antenna cable through the pedestal gasket and pedestal bottom, and through the extension mast (purchased separately), and connect it to the 6" antenna lead. Screw down the assembled antenna into the extension mast.
3. Route the antenna cable to the SXV300 Connect Tuner and connect to the **Antenna** connection.

Rail Mount (Optional, Marine Only)

Note: The center hole in ratchet-type antenna mounts will not accommodate the antenna connector. You must use a rail mount which will allow the antenna cable and its connector to pass through.

Do not cut the antenna cable and do not remove the connector in an attempt to accommodate a ratchet-type antenna mount.

1. Follow installation steps 2a and 2b in the **Pedestal Mount** section.
2. Place the rubber o-ring over the threads of the rail mount (purchased separately) and route the 6" antenna lead through the rail mount.
3. Attach the antenna assembly to the rail mount by screwing it onto the rail mount until tight.
4. Follow the instructions included with the rail mount for attaching the rail mount to the rail.
5. Connect the antenna cable to the 6" antenna lead.
6. Route the antenna cable to the SXV300 Connect Tuner and connect to the **Antenna** connection.



Scan to activate offer

With activation of this tuner, you're eligible for

3 MONTHS FREE SERVICE

of our Platinum Plan Subscription

Activation Fee and credit card required. See Offer Details on the Important Legal Information page.

INSTALLATION GUIDE

SXV300 CONNECT TUNER & MARINE/RV ANTENNA



SiriusXM 12-Month Limited Warranty

What This Warranty Covers
This warranty covers defects in material and workmanship for 12 months from the date of purchase by the original retail purchaser only. Sirius XM Radio Inc., at its sole option, will repair or replace the product with a new or reconditioned product without charge for parts and labor. Products replaced under this warranty become the property of SiriusXM. Replacement products are warranted to be free from defects for 30 days or the remainder of the original warranty, whichever is longer.

What This Warranty Does Not Cover
This warranty does not cover: products sold as used, as is, reconditioned or refurbished; software stored on internal or removable memory; non-rechargeable batteries, surface preparation cleaners, adhesive pads, fasteners, and ear-buds; costs incurred for installation, removal or reinstallation of the product; correction of installation problems, such as elimination of externally generated static or noise and antenna placement and aiming; defects or damage caused by alteration, improper installation or removal, use of third party accessories, mishandling, misuse, neglect, accident, power surges or acts of nature.

How to Obtain Warranty Service
To obtain warranty service, please call SiriusXM Listener Care at 1-866-635-7191. You will be required to provide proof of purchase and a description of the defect. You must prepay the cost of shipping the product to an approved service center.

LIMITATIONS OF LIABILITY
THE LIABILITY OF SIRIUSXM UNDER THIS WARRANTY IS LIMITED TO REPAIR OR REPLACEMENT AS PROVIDED ABOVE AND IN NO EVENT SHALL THE LIABILITY EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCT. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF WARRANTY, INCLUDING BREACH OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN 48 MONTHS FROM THE DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL SIRIUSXM BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

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New York, NY 10020

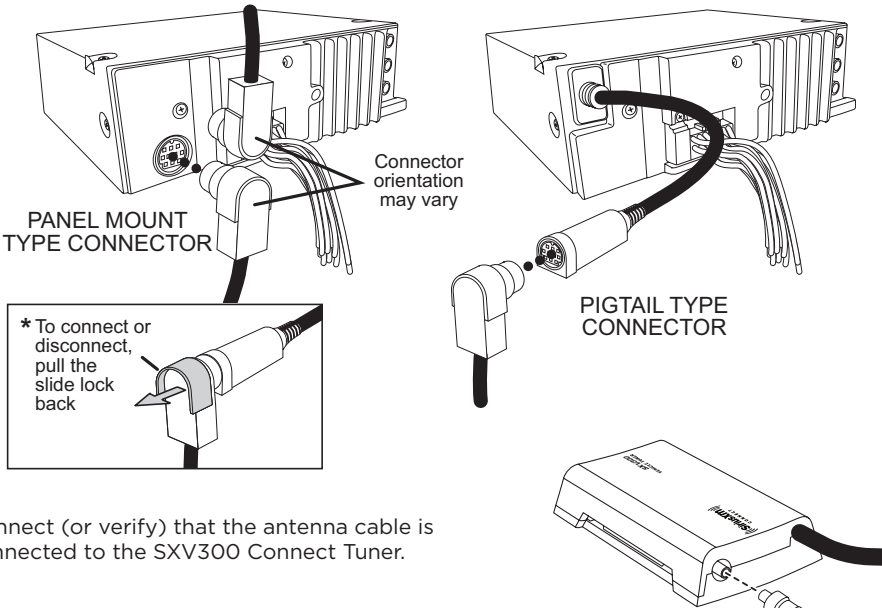
1.866.635.2349

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SXV300M1 Installation Guide 220105c

3 Make the Connections

Connect the SXV300 Connect Tuner to the radio/headunit, and the antenna to the Tuner (if you have not yet done so).

- You'll need to access the back of the SiriusXM-Ready radio/headunit so you can plug the Tuner connector into it. This may require you to remove the radio/headunit from the dashboard. If you are uncomfortable with this step, consult a professional installer.
- Be sure to turn OFF the SiriusXM-Ready radio/headunit before connecting the Tuner.
- The radio/headunit may have a panel mount type connector or it may have a pigtail type connector. Locate the SiriusXM connector on the radio/headunit and push-in the SXV300 Connect Tuner connector until it "clicks" into place. You may want to tug gently on the cable to make sure it is locked into place. In some cases, you may need to pull the slide lock* to help insert and lock in the connection.



PANEL MOUNT TYPE CONNECTOR

Connector orientation may vary

PIGTAIL TYPE CONNECTOR

* To connect or disconnect, pull the slide lock back

4. Connect (or verify) that the antenna cable is connected to the SXV300 Connect Tuner.

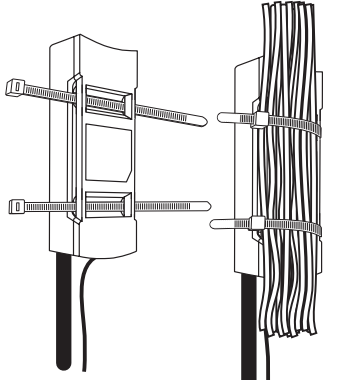
Specifications

SXV300 Connect Tuner	
Dimensions:	3.42 in (W) x 2 in (H) x 0.7 in (D), (87 mm (W) x 51.8 mm (H) x 17.9 mm (D))
Weight:	3 oz (85 g)
Pigtail Cable Length:	25.6 in (650 mm)
Power Requirements:	12v DC, 0.3 A (MAX) (supplied by radio/headunit)
Operating Temperature:	-4°F to +158°F (-20°C to +70°C)
Marine/RV Antenna	
Type:	SiriusXM approved Marine Antenna
Pigtail Cable:	6 in (152 mm), TNC female
Antenna Cable:	25 ft (7.6 m), TNC male to SMB
Waterproof Rating:	IPX67
Network Operation:	XM Network Only
Specifications are subject to change without notice.	

4 Secure the Tuner

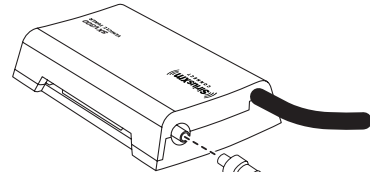
The SXV300 Connect Tuner should be secured in a hidden location that is dry and not exposed to moisture.

- Secure the SXV300 Connect Tuner behind the radio/headunit location, or behind the vessel's helm, or the under the RV dashboard using wire ties (not included).
- Thread the wire ties through the molded brackets on the underside of the Tuner as shown. Then secure it to a bracket or wiring harness using the wire ties. Avoid brackets with sharp edges and any moving parts such as the gas and brake pedals in an RV.
- Reinstall the radio/headunit if it had been removed.



5 Subscribe

- Make sure the radio/headunit is turned on and that Satellite Radio is selected. Verify that you are receiving the SiriusXM signal so that you can hear the SiriusXM audio.
- Make a note of your Radio ID. You can find it on channel 0, on a label on the bottom of the packaging, and on the label on the bottom of the SXV300 Connect Tuner.
Note! The Radio ID does not use the letters I, O, S, or F.
- Activate your service:
 - First see our Customer Agreement for complete terms at www.siriusxm.com and then:
 - Online: Go to www.siriusxm.com/activatenow OR
 - By phone: Call **1-866-587-4225** (If calling to activate, be sure to mention "3 Months Free Service")
- Activation usually takes 10 to 15 minutes, but may take up to an hour. We recommend that the radio/headunit remain on until subscribed. When your service is activated, you will see the **SUBSCRIPTION UPDATED, PRESS ENTER TO CONTINUE** or similar message displayed. Once subscribed, you can tune to channels in your subscription plan.
- Activation signals can be sent again at any time by visiting www.siriusxm.com/refresh.



Troubleshooting

This troubleshooting information is for general reference. Consult the User Guide for your SiriusXM-Ready radio/headunit for specific operating instructions and advisory messages that may be displayed. Your radio/headunit may display slightly different messages.

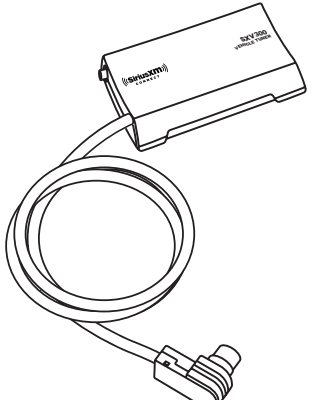
If you see this on the screen:	Try this:
No Signal (NoSignal)	<ul style="list-style-type: none">Make sure that the vessel/RV is outdoors with a clear view of the southern sky.Make sure the antenna is mounted outside of the vessel/RV.Move your antenna away from any obstructed area. For example, if you are parked in boathouse or an underground garage, you should receive a signal after leaving the boathouse/garage.
Check Antenna (Chek Antenna, CHK Antena, Chek Ant)	<ul style="list-style-type: none">Make sure that the antenna cable is firmly and securely plugged into the SXV300 Connect Tuner.Make sure the antenna cable is not bent or broken.Turn the radio/headunit off, then on, to reset this message. If the message persists, most likely the antenna cable has been damaged. Replace the antenna.
Antenna Disconnected	Check the antenna connection to make sure it is fully plugged into the SXV300 Connect Tuner.
Antenna Cable Shorted	Replace the antenna.
Check Tuner (Chek Tuner, Chk Tunr)	Check the SXV300 Connect Tuner connection to the radio/headunit and make sure it is plugged all the way in.
Channel Not Available (Chan Unavailable, Ch Unavailable, Ch Unavail, Ch Unavl)	The channel you have selected is not available.
Channel Not Subscribed (CH Unsubscribed, Chan Unsub, Ch Unsub)	The channel you have selected is not part of your current subscription plan. First see our Customer Agreement for complete terms at www.siriusxm.com , and then call 1-866-635-2349 to subscribe.
Subscription Updated- Press enter to continue (or similar message)	Your subscription has been updated; press the appropriate button (or other identified key) to continue.
If this happens:	Try this:
You do not receive all the channels to which you subscribe	<ul style="list-style-type: none">If you have not yet activated your service, call 1-866-635-2349.Go to www.siriusxm.com/refresh and follow the directions to refresh your SXV300 Connect Tuner.
No song title or artist name is displayed	The information may not be available or updates may be in progress.
Traffic and Weather channels sound different from other channels	These channels use a different audio technology than other channels, so they often sound different from other channels.
Audio fades or has static when listening	<ul style="list-style-type: none">Check all the cables for a firm and secure connection.Be sure that your radio/headunit is correctly wired to the vehicle electrical system.

? What's in the Box?

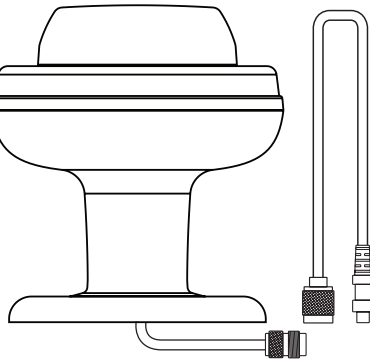
Thank you for purchasing the SXV300M1 SiriusXM Direct Connect Tuner & Marine/RV Antenna.

Included is everything you need to add Satellite Radio to your SiriusXM-Ready radio/headunit. Consult your radio/headunit User Guide for features and detailed operational instructions.

For questions or support, please visit www.siriusxm.com or call 1-866-635-2349.



SXV300 Connect Tuner



Shakespeare® SRA-50 Antenna
(Includes 25' Antenna Cable & Mounting Accessories)

Check Your Radio/Headunit For Compatibility

If your radio/headunit has the official SiriusXM-Ready logo it is compatible with the SXV300 Connect Tuner. All SiriusXM-Ready radios and headunits include a dedicated connector, allowing for quick and easy connection of the SXV300 Connect Tuner.



! Important Legal Information


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Subscription Offer Details
A \$15 Activation Fee and credit card are required for this offer. Purchase and activate any eligible receiver from an eligible retailer with a monthly Platinum Plan subscription and receive your first 3 months free (a \$21.99/mo savings). Fees and taxes apply. **You must cancel within the first 3 months to avoid being charged. Service will automatically renew thereafter and, at the beginning of the 4th month, you will be charged according to the billing plan you choose at then-current rates. Please see our Customer Agreement at www.siriusxm.com for complete terms and how to cancel, which includes calling SiriusXM at 1-866-635-2349.** All fees, content, and features are subject to change. This offer cannot be combined with any other and can be modified or terminated at any time. See subscription offer details at siriusxm.com/nevermissabeat.

FCC Statement
The user is cautioned that changes or modifications not expressly approved by Sirius XM Radio Inc. can void the user's authority to operate this device. 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. 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, if not installed and used in accordance with the installation instructions, may cause harmful interference to radio communications. 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 or more of the following measures: •Reorient or relocate the receiving antenna of the affected receiver. •Increase the separation between the SiriusXM equipment and the affected receiver. •Connect the SiriusXM equipment into an outlet on a circuit different from that to which the affected receiver is connected. •Consult the dealer or an experienced radio/TV technician for help.

WARNING! The FCC and FAA have not certified this Satellite Radio Receiver for use in any aircraft (neither portable nor permanent installation). Therefore, Sirius XM Radio Inc. cannot support this type of application or installation.

Self installation instructions and tips are provided for your convenience. It is your responsibility to determine if you have the knowledge, skills and physical ability required to properly perform an installation. SiriusXM shall have no liability for damage or injury resulting from the installation or use of any SiriusXM or third party products. It is your responsibility to ensure that all products are installed in adherence with local laws and regulations and in such a manner as to allow a vessel or RV to be operated safely and without distraction. SiriusXM product warranties do not cover the installation, removal or reinstallation of any product.



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