



wet sounds®

High Performance Audio

MARINE MEDIA CENTER

Owner's Manual & Installation Guide

WS-ZX-MC-20





Congratulations! Thank You for purchasing the WS-ZX-MC-20 Marine Media Center

The Wet Sounds **WS-ZX-MC-20** 3-Zone Marine Media Center is designed to provide complete independent audio control for today's multi-zone marine audio systems. Built upon the proven WS-MC-20 platform, the WS-ZX-MC-20 introduces true independent 3-zone operation through the innovative ZONE X selector, allowing separate control of audio throughout the boat including the bow, helm, cabin, tower, or dedicated subwoofer zone.

Featuring a bright 3.0-inch full-color TFT display with album art support, an intuitive rotary encoder, and dedicated front-panel zone controls, the WS-ZX-MC-20 provides convenient access to AM/FM/Weather Band radio, Bluetooth® audio streaming, USB playback, auxiliary input, and SiriusXM® compatibility. Its compact chassis and intuitive interface make it an ideal solution for new installations and premium marine audio upgrades.

Designed for system flexibility, each zone can be independently enabled, named, balanced, and configured with its own crossover settings. Zones 1 and 2 support High-Pass or Full-Range operation, while Zone 3 includes a dedicated Low-Pass Filter, making it ideal for independent subwoofer control without requiring additional signal processors.

The integrated 4-channel amplifier provides onboard power for smaller systems, while three dedicated RCA preamp outputs allow seamless expansion with external amplifiers. Combined with a 7-band graphic equalizer, customizable presets, and compatibility with Wet Sounds remote controls and NMEA 2000® integration, the WS-ZX-MC-20 delivers exceptional control for premium marine audio installations.

Please take a moment to read the owner's manual and installation guide before beginning installation. **Make note of your product's serial number, and be sure to retain your proof of purchase. You will need this documentation for product support.** If you have any questions or concerns, please contact a certified Wet Sounds dealer or Wet Sounds Tech Support.

SERIAL NUMBER: _____

1-877-WET-SPKR (1-877-938-7757)
www.wetsounds.com

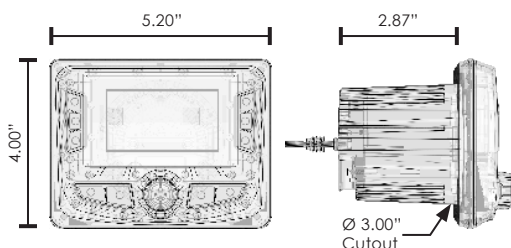
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TECHNOLOGY SPECIFICATIONS

WS-ZX-MC-20

- **RMS Power @ 4Ω:** 4 x 25W
- **RMS Power @ 2Ω:** 4 x 50W
- **Width:** 5.20"
- **Height:** 4.00"
- **Mounting Depth:** 2.87"
- **Hole Cut Out:** 3.00"



Features

- IP65
- True independent 3-zone audio control with ZONE X selector
- Custom zone naming for simplified operation
- Independent volume, balance, and crossover adjustment for each zone
- Zone 3 dedicated Low-Pass Filter for subwoofer systems
- 3.0-inch ultra-bright full-color TFT display with album art support
- Bluetooth® audio streaming
- USB playback and charging
- 3.5mm auxiliary input
- AM/FM/Weather Band tuner with RBDS
- SiriusXM compatibility
- 7-band graphic equalizer with factory presets and custom tuning
- Built-in 4-channel amplifier
- Three RCA preamp outputs for system expansion
- Compatible with Wet Sounds wired remotes and NMEA 2000 interface
- Designed for harsh marine environments
- Compatible with: WS-G2-NMEA-20, WS-G2-CTR / WS-G2-TR Transom Remotes, and WS-MC-20-FMK Flush Mount Bezel

What's Included in the Box

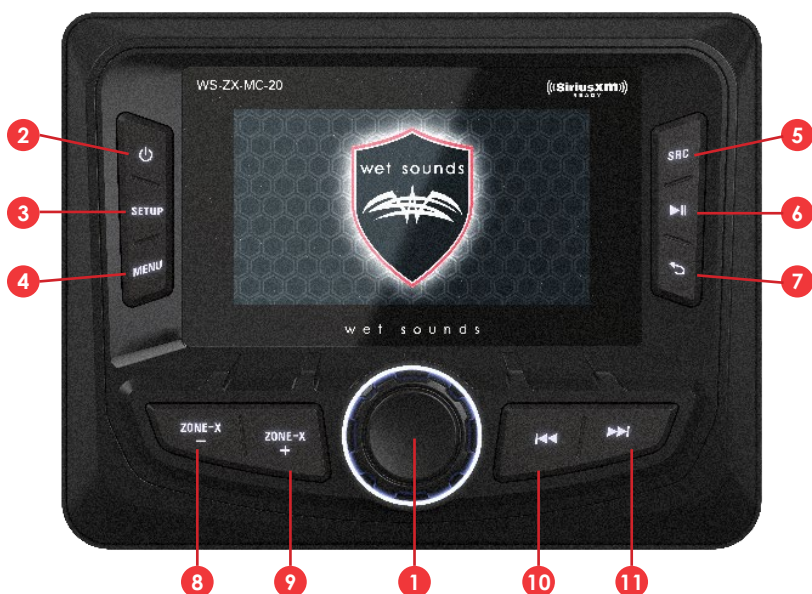
- One (1) WS-ZX-MC-20 Marine Media Center
- Pre-stripped 12-Pin connector harness
- Face Cover and Bezel
- Mounting and installation bracket
- Mounting screws and bolts

INSTALLATION TOOLS

Minimum Required Tools

- Phillips Screwdriver
- Wire Crimpers
- Drill
- 1/8" Drill Bit
- Jigsaw
- Heat Shrink Tubing
- Heat Gun

WS-ZX-MC-20 CONTROLS



- 1. Main Control Knob (MCK)** This allows adjustment of main volume, as well as making selections when the SETUP and MENU features are being used. Rotate the MCK to highlight a feature, then depress the MCK to select the highlighted feature.
- 2. POWER/MUTE** Press & hold this button for power on/off. Short press this button to MUTE/UNMUTE the volume of all zones. The WS-ZX-MC-20 will confirm the volume is muted in the display.
- 3. SETUP** Allows access to controls that affect all functions of the WS-ZX-MC-20. Rotate the MCK until the desired function is highlighted, then depress the MCK for access. The functions are:

AUDIO Allows access to the following audio EQ options:

Equalization The WS-ZX-MC-20 has 7 different factory equalization settings for the 7 band equalizer. Also available is CUSTOM setting, allowing the user to sell their own equalization curve. Rotate & depress the MCK to select one of the 7 bands of equalization, rotate the MCK to adjust.

CROSSOVER Can be accessed in each zone's settings.

HPF & APF This controls the frequencies that are allowed to pass through the Front outputs – both powered and pre-amp. Choosing 60Hz, 80Hz, or 120Hz means that all frequencies below those will be blocked from passing. Choosing All Pass Filter (APF) will allow all frequencies to pass through Zone 1 & 2's output. Zone 3 is the only zone that will have LP along with HP and AP.

WS-ZX-MC-20 CONTROLS

ZONE X Allows you to select a zone to be controlled by the secondary zone controls on the front panel you can select 1 or all 3 zones to be controlled.

ZONE 1 You can enable or disable it, crossover settings HP & AP, adjust balance for left and right and name the zone.

ZONE 2 You can enable or disable it, crossover settings HP & AP, adjust balance for left and right and name the zone.

ZONE 3 You can enable or disable it, crossover settings HP, AP, & LP, adjust balance for left and right and name the zone.

SYSTEM Allows access to the following system adjustments:

AREA The WS-ZX-MC-20 is defaulted to receive broadcasts in the USA region, but Russia, Latin America, Asia, Japan, Middle East, Australia & Europe regions are also available through this setting.

DAY/NIGHT MODE Allows the ability to scroll through the display options of DAY (white screen/black characters) NIGHT (black screen/ White characters) or AUTO. In AUTO mode, the display in DAY mode until the vehicle's lights are turned on, then the display goes into NIGHT mode. **PLEASE NOTE:** In order for the AUTO function to operate properly, the Orange wire in the WS-ZX-MC-20 harness labeled DIM INPUT must be wired to a circuit in the vehicle that gets +12V whenever the main lighting switch is turned on.

AUX IN/SIRIUSXM This allows selection between the auxiliary input or SiriusXM input.

SOFTWARE Allows access to the software menu of the WS-ZX-MC-20.

VERSION Displays what version of the operating software is currently installed in the unit. Visit wetsounds.com/downloads to access the most up-to-date operating system.

SPLASH SCREEN Allows the splash screen to be updated with alternate images of choice via USB input. To update the splash screen, save your desired image onto the root directory of the USB drive, with the specifications listed below.

Resolution: 320px X 240px (px refers to pixels)

Bit-Depth: 32 or 24 bit color

File format: .png

File Name: MC20_LOGO.png

1. With the unit powered off, connect the USB drive to the WS-ZX-MC-20 USB cable.
2. Power on the unit and navigate to the SPLASH SCREEN tile, using the MCK.
3. Select UPDATE by depressing the MCK.
4. The unit will display "USB Loading Please Wait..." while uploading the new image. The WS-ZX-MC-20 will then display the new image.
5. Depress the MCK to confirm and save the new splash screen.
6. Power off the unit, wait 2 seconds and power on the unit.

The new updated splash screen should be displayed.

WS-ZX-MC-20 CONTROLS

UPDATE allows the operating software of the WS-ZX-MC-20 to be updated while still installed in the vehicle. For details on updating instructions, please visit wetsounds.com/downloads.

FACTORY DEFAULT Selecting this will return all setting of the WS-ZX-MC-20 back to the original.

Bluetooth® Allows access to the following Bluetooth® functions.

DEVICE LIST Displays a list of available Bluetooth® devices.

To connect a Bluetooth® compatible device to the WS-ZX-MC-20, make sure no other devices are paired to the unit, then enable BT on the device. Search on the device's Bluetooth® menu for "WS-ZX-MC-20" and select connect. The WS-ZX-MC-20 will confirm connection on the display.

DEVICE NAME Displays the Bluetooth® device name.

4. MENU Allows access to functions for each source.

5. SOURCE (SRC) Allows access to five different sources:

RADIO OPERATION Press SOURCE, then select the  symbol for AM, FM and WB radio. Short Press the | << >> | buttons (#10/#11) to automatically seek the next strongest station either up or down. Long press the same buttons to manually tune either up or down.

Press **MENU** while in radio operation to select between the following features available:

FAVORITE Press FAVORITE to display what stations are set, then rotate the MCK to highlight a selection, then press the MCK to select that station.

SET FAVORITE Allows the manual addition of station presets for each source. Choose from FM (10 Presets), AM (10 Presets), Weather Band (7 Presets) and, Sirius XM (10 Presets)

AUTO STORE Will automatically store Presets into the BAND currently being used.

LOCAL Select ON/OFF to enable the WS-ZX-MC-20 to narrow tuning to local stations only.

RDBS Select ON/OFF to enable or disable the Radio Broadcast Data System. Note: not all FM radio stations support RDBS, so availability of this feature may be limited.

USB OPERATION Press SRC, then select the  symbol to access the USB input.

PLEASE NOTE: If there is nothing plugged into the USB port on the WS-ZX-MC-20, this selection will not be possible. The USB port on the WS-ZX-MC-20 is capable of both connecting & charging Apple devices but only charging select Android devices. The WS-ZX-MC-20 can also read MP3 files via USB drive.

PLAY/PAUSE/FORWARD/REVERSE TRACK Will operate when in USB mode. Album Art is available for display on compatible MP3 files.

WS-ZX-MC-20 CONTROLS

Press **MENU** while in USB operation to select the following features:

BROWSER Press this to display all the selections available via the USB input. Rotate the MCK to highlight, then depress the MCK to choose your selection.

REPEAT Choose between repeating ONE track, only the selections in the current FOLDER, or ALL selections available.

SHUFFLE Choose between ON/OFF to enable random order play of only the current FOLDER or ALL selections available.

BLUETOOTH® STREAMING OPTION Press SRC, then select the  symbol top access the Bluetooth® streaming input.

PLAY/PAUSE (#7) Forward/Reverse Track (#10/#11) will operate when in Bluetooth® mode. Album Art is available for display on compatible devices.

Press **MENU** while in USB operation to select the following features:

BROWSER Press this to search for Playlists, Artists, Albums, Genres, Songs, Composers, Audio Books, or Podcasts.

REPEAT Choose between repeating One selection, or ALL selections available.

SHUFFLE Choose between ON/OFF to enable random order play, or ALL selections available.

SiriusXM® Operation

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 Connect Tuner and a subscription is required. For more information, visit siriusxm.com

Activating your SiriusXM Subscription

After installing your SiriusXM Connect Tuner and antenna, power on your source unit and select SOURCE, then SiriusXM. You should be able to hear the SiriusXM Preview Channel on channel 1. If you cannot hear the preview channels, please check the installation instructions to make sure your SiriusXM Connect Tuner is properly installed.

NOTE: The AUX labeled SIRIUSXM OUTPUT needs to be plugged into the AUX-INPUT on the unit. Additionally, in the SYSTEM MENU, SiriusXM needs to be selected.

After hearing the Preview Channel, tune to channel 1 to find the RADIO ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Tuner and it's packaging. You will need this number to activate your subscription. Write down the number for reference.

NOTE: The SiriusXM Radio Id does not contain the letters I,O,S, or F.

In the USA, you can activate online, or by calling SiriusXM listener care:

- Visit siriusxm.com/activatenow
- Call SiriusXM Listener Care at **1-866-635-2349**

WS-ZX-MC-20 CONTROLS

For Canadian subscriptions, please contact:

- Visit SiriusXM.ca/activatexm
- Call XM Customer Care at **1-877-438-9677**

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display "Subscription updated". Once subscribed, you can tune to channels in your subscription plan.

NOTE: The activation process usually takes 10-15 minutes to complete, but may also take up to one hour. The unit must be powered on to receive the activation message.



SETTINGS

To access the SiriusXM SETTINGS, short-press the MENU when using the SiriusXM source. This will give you access to the SiriusXM SETTINGS. (SXM > FAVORITES > ADD FAVORITES > CHANNELS > CATEGORY).

PRESETS

Using this feature allows you to see what FAVORITES are saved on the unit. Press the MENU button and select FAVORITES list using the MCK.

ADD FAVORITES

This feature allows you to save channels to the unit. After tuning to the preferred station, press the MENU button and select the ADD FAVORITES option using the MCK. Once selected, use the rotary encoder to select the PRESET number (1-10) you want the channel saved.

CHANNEL

This Feature displays a complete listing of channels. Press the MENU button and select the CHANNEL list using the MCK. Once selected, use the rotary encoder to select the CHANNEL.

CATEGORY

This feature displays a complete listing of channels. Press the MENU button and select the CATEGORY list using the MCK.

WS-ZX-MC-20 CONTROLS

DIRECT TUNING

This feature allows you to directly tune to a specific channel by manually entering the stations frequency. Press the MENU button and select DIRECT TUNING using the MCK. Rotate the MCK until you reached the desired numeral and press to enter your selection. Repeat until you have completed the proper tuning frequency.

PARENTAL CONTROLS

The PARENTAL CONTROLS feature allows you to limit access to any SiriusXM Channels, including those with mature content. Press the MENU button and select the PARENTAL CONTROLS using the MCK. You will be asked to enter a code to activate this feature. Enter "1111". This will unlock the PARENTAL CONTROLS feature.

LOCK CHANNELS

This option allows you to select any channel to be locked-out for listening. Using the MCK, select LOCK CHANNELS. When attempting to tune to a locked channel, you will need to enter a passcode. Use the MCK to enter the passcode. To unlock previously locked channels, press the MCK, while on the LOCK CHANNELS and select what channel to unlock.

CHANGE PASSCODE

Press the MCK to select CHANGE PASSCODE. Use the MCK to enter the current passcode, then enter the NEW PASSCODE.

SXM DEFAULT RESET

Press SET-UP button and use the MCK to select SYSTEM, FACTORY DEFAULT, RESET SXM and depress the MCK to confirm.

ALBUM ART

Album art can be displayed for most of the SiriusXM music channels. When album art is not available, the channel logo or the SiriusXM logo will be displayed on the screen.

NOTE: Compatible with SXV200 or later tuner models. Not all music channels control album art images.

AUXILIARY INPUT OPERATION

Press SOURCE, then select the  symbol to allow access to the 3.5mm auxiliary input on the WS-ZX-MC-20. This can be used to allow connection of a variety of audio sources.

WS-ZX-MC-20 CONTROLS

6. PLAY/PAUSE

This is active when using Bluetooth® Streaming. Press once for PAUSE and once again for PLAY.

7. BACK

This will revert to the previous screen.

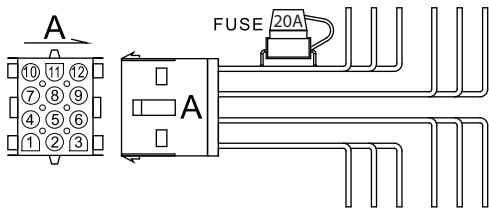
8. ZONE X- Decrease the output sent to the ZONE X- preamp outputs.

9. ZONE X+ Increase the output sent to the ZONE X preamp outputs. Please note, the main volume control will still override final output of front, rear & ZONE 2 Outputs.

10. TRACK BACK/RADIO TUNER SEEK DOWN In Bluetooth® mode, this will go back to the previous track. In RADIO mode, this will seek out the strongest station in increasing frequency order.

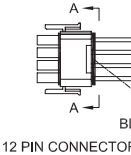
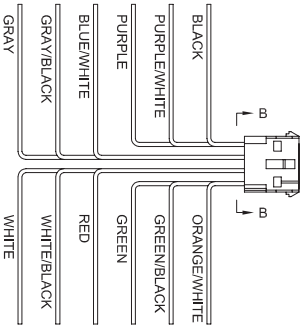
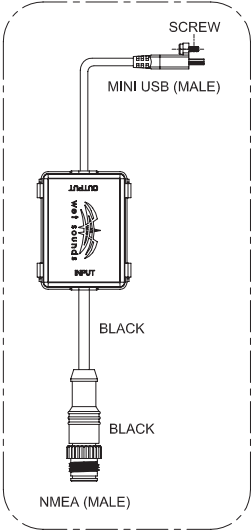
11. TRACK FORWARD/TUNER SEEK UP In Bluetooth® mode, this will seek the previous track. In RADIO mode, this will seek out the strongest station in increasing frequency order.

WIRING SCHEMATIC



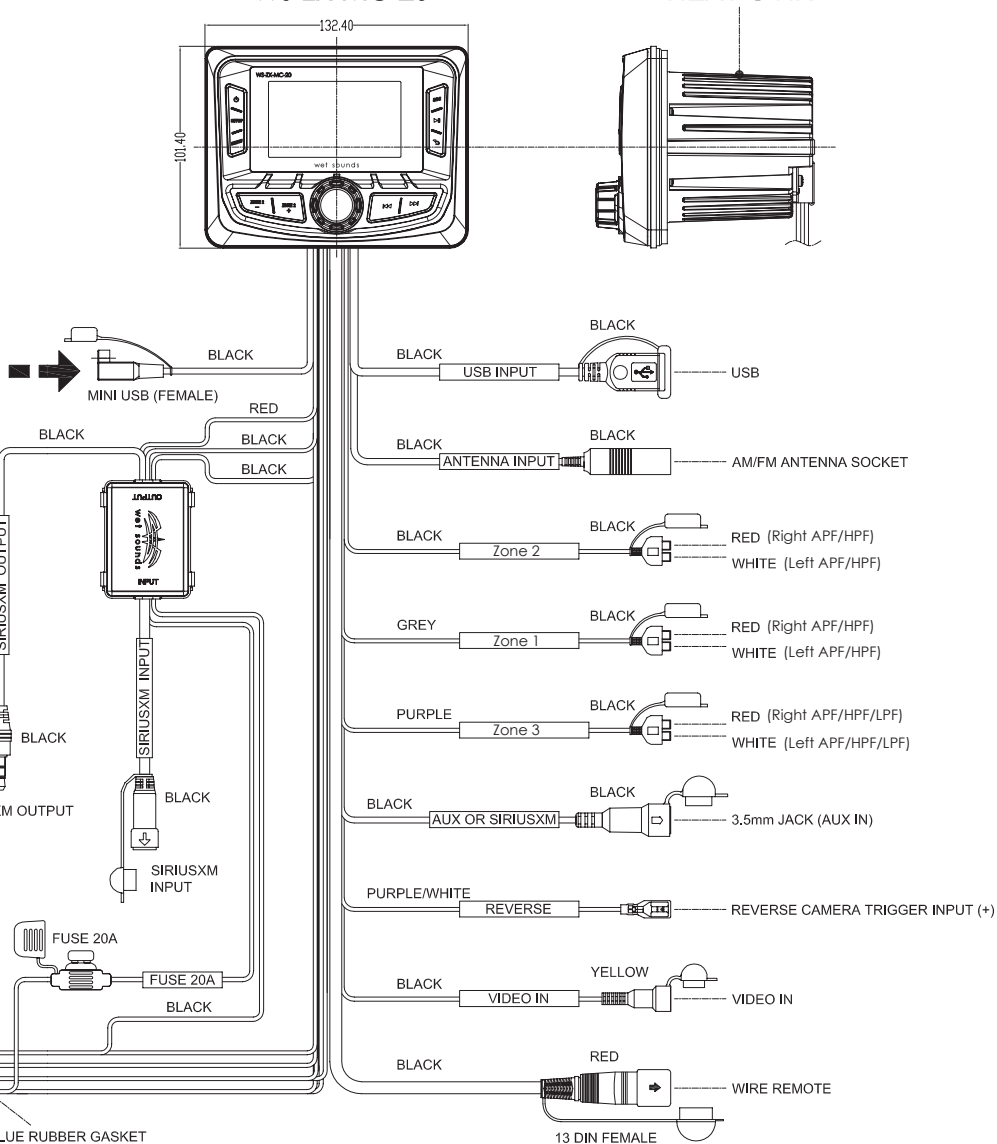
A	PIN NO.	WIRE COLOR	WIRE DEF INITON	PIN NO.	WIRE COLOR	WIRE DEF INITON
	10	BLACK	GND	4	RED	BATT
	11	PURPLE/BLACK	REAR RIHGT-	5	WHITE/BLACK	FRONT LEFT-
	12	PURPLE	REAR RIHGT+	6	WHITE	FRONT LEFT+
	7	BLUE/WHITE	AMPLIFIER ON	1	ORANGE/WHITE	DIM INPUT
	8	GREY/BLACK	FRONT RIGHT-	2	GREEN/BLACK	REAR LEFT-
	9	GREY	FRONT RIGHT+	3	GREEN	REAR LEFT+

Optional adapter for
NMEA Connection
(WS-G2-NMEA-20)
Sold Separately



WS-ZX-MC-20

HEAT SINK



TROUBLESHOOTING

Symptom	Diagnosis	Solution
SiriusXM		
"Check Antenna" is displayed	The unit has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.	Verify that the antenna cable is connected to the SiriusXM Connect 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 online at www.shop.siriusxm.com
"Check Tuner" is displayed	The radio is having difficulty communicating with the SiriusXM Connect Tuner. The tuner may be disconnected or damaged.	Verify that the SiriusXM Connect Tuner cable is securely connected to the back of the radio.
"No Signal" is displayed	The SiriusXM Connect Tuner is having difficulty receiving the SiriusXM satellite signal.	Verify that your vehicle is outdoors with a clear view of the sky. Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle. Move the SiriusXM antenna away from any obstructions. Inspect the antenna cable for damage and kinks. Consult the SiriusXM Connect Tuner installation manual for more information on antenna installation. Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or at www.shop.siriusxm.com .

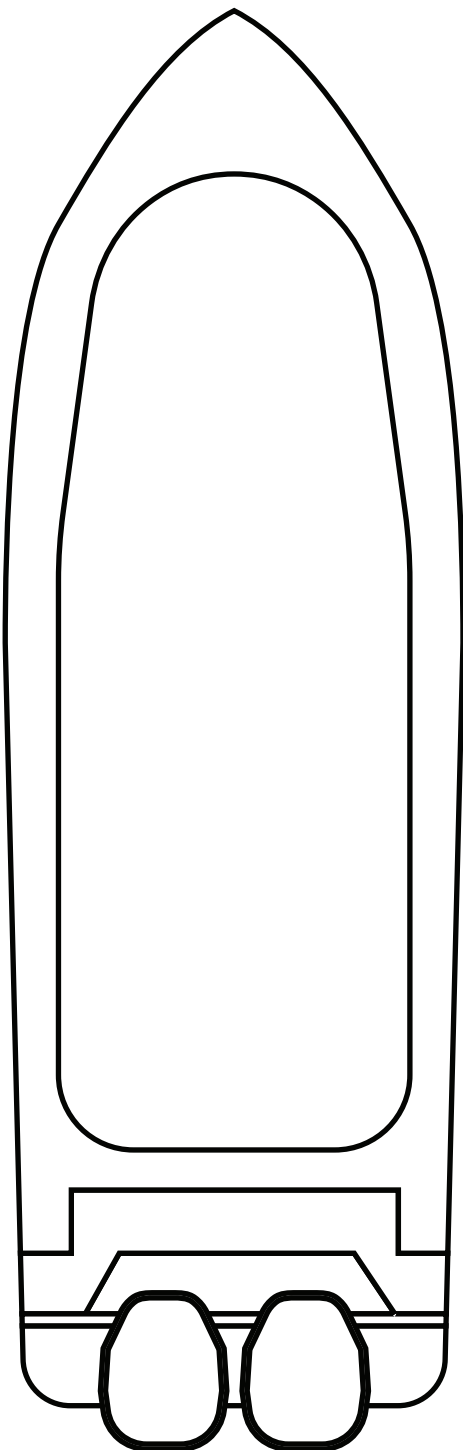
Symptom	Diagnosis	Solution
SiriusXM continued		
"Subscription Updated" is displayed	The radio has detected a change in your SiriusXM subscription status. Press "Enter" to clear the message.	In the U.S.A. visit www.siriusXM.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.
"Channel Not Available" is displayed	The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Tuner.	Visit www.siriusxm.com for more information about the SiriusXM channel lineup.
"Channel Not Subscribed" is displayed	The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.	In the U.S.A. visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or if you would like to subscribe to this channel. In Canada visit www.siriusxm.ca or call 1-877-438- 9677.
"Channel Locked" is displayed	The channel you have requested is locked by the radio Parental Control	See page 9 for more information on the Parental Control feature and how to access locked channels.

PLAN YOUR SYSTEM

Parts Checklist

- ✓ Source Unit
- EQ
- RCA Cables
- Amplifiers
- Amplifier Kit
- Speakers
- Subwoofers
- Subwoofer Grille
- Speaker Wire
- LED Controller
- RGB Rings/Strips
- RGB LED Wire
- Speaker Connectors

Notes

[illegible]

LIMITED WARRANTY

What This Warranty Covers

This is a "limited" warranty. This warranty covers any defects in materials and workmanship. This warranty applies only to the original purchaser and is not transferable. This warranty is valid only if the original purchase was made from an authorized Wet Sounds dealer.

How Long Coverage Lasts

This warranty lasts for 2 years from the date of purchase. It is recommended to document your product serial number on the front of this manual and attach your receipt. These documents are required to verify your warranty coverage and expiration.

What Is Not Covered

This warranty does not cover fading or discoloration caused by exposure to sunlight or chemicals such as ammonia, household bleach, or any cleaning materials that contain abrasive substances. Wet Sounds, Inc. does not cover expenses for removal or reinstallation. Additionally, shipping to Wet Sounds, Inc. must be paid by the purchaser.

This warranty is void and inapplicable if Wet Sounds determines that the product has been abused or misused, including but not limited to damage caused by accident, mishandling, improper installation, removal of the inline fuse on the power connection, negligence, normal wear and tear, excessive water or heat damage, freight or shipping damage, or products that have been disassembled by anyone other than Wet Sounds technical staff.

Wet Sounds will not be responsible for any incidental or consequential damages, except to the extent provided or prohibited by applicable law. This warranty gives you specific rights, and you may also have other rights that vary from state to state.

What Wet Sounds, Inc. Will Do

Wet Sounds, Inc. will repair any part of your product that proves to be defective in materials or workmanship. If repair is not possible, Wet Sounds will replace the product. If deemed necessary, Wet Sounds, Inc. will replace the entire product with a refurbished unit, or with a model of similar value if the original model is no longer available.

Labor costs and materials required to complete this service will be provided at no charge to the purchaser. Additionally, return shipping from Wet Sounds, Inc. to the purchaser will be paid by Wet Sounds.

How To Get Service

Contact Wet Sounds, Inc. by phone at **(877-938-7757)** or by email at **warranty@wetsounds.com**. A service representative will confirm whether the issue is caused by a defective product and whether it is covered under warranty.

The service representative will issue a Return Merchandise Authorization (RMA) and provide additional details to obtain service for your product.

Do not return your product without a valid RMA.

Internet Warning

Wet Sounds, Inc. products sold on non-authorized websites or internet auction sites are void of all manufacturer warranties. Please contact Wet Sounds at **(877-938-7757)** or visit **www.wetsounds.com** for a list of authorized online sellers or to locate an authorized installing retailer near you.

FCC Compliance Statement

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.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference will not occur in a particular installation. If the equipment does not 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
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The provided shielded USB cable must be used with this unit to ensure compliance with the class B FCC limits.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



w e t s o u n d s ®

High Performance Audio

CLEAR. LOUD. LIVE.

Wet Sounds, Inc.

www.wetsounds.com
877-938-7757

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