



VHF255

Floating Dual Band Two-Way Marine Radio Radio maritime bidirectionnelle à deux bandes



Owner's Manual Guide d'utilisation

Model / Modèle 12019113

















Making a Distress Call

Speak slowly - clearly - calmly.

For future reference, write your boat's name & call sign here:



- 1. Make sure your radio is on.
- On the radio, press the 16/9-Tri button to switch to Channel 16 (156.8 MHz). (If the corner of the display does not show 16, press the 16/9-Tri button again until it does.)
- Press the push to talk button on the microphone and say: "MAYDAY
 -- MAYDAY -- MAYDAY."
- 4. Say "THIS IS (name of your boat (three times) and call sign/boat registration number (once)}."
- 5. Say "MAYDAY {name or call sign of your boat}."
- Tell where you are: (what navigational aids or landmarks are near, or read the latitude and longitude from your GPS).
- 7. State the nature of your distress, (e.g. are you sinking, medical emergency, man overboard, on fire, adrift, etc.)
- 8. State the type of assistance you need (medical, towing, pumps, etc.).
- 9. Give number of persons aboard and conditions of any injured persons.
- 10. Estimate present seaworthiness of your ship (e.g. how immediate is the danger due to flooding or fire or proximity to shore).
- 11. Briefly describe your ship, giving the ship name (e.g. "Blue Duck is a 32 foot cabin cruiser, white hull, blue deck house").
- 12. Say: "I WILL BE LISTENING ON CHANNEL 16."
- End message by saying "THIS IS {name or call sign of your boat}, OVER."
- 14. Release the *push to talk* button and listen.

If you do not get an answer after 30 seconds, repeat your call, beginning at step 3, above.

















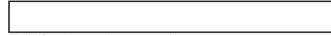




Faire un appel de détresse vocal

Parlez lentement – clairement – calmement

Pour toute référence ultérieure, transcrivez ci-dessous le nom et l'indicatif d'appel de votre bateau :



- Vérifiez si votre radio est en marche.
- 2. Appuvez sur la touche 16/9-Tri de la radio afin de commuter au canal 16 (156,8 MHz). (Si le canal 16 n'apparaît pas à l'affichage, appuyez de nouveau sur la touche 16/9-Tri jusqu'à ce qu'il soit affiché.)
- Appuyez sur le bouton de microphone *push to talk* et dites : "MAYDAY MAYDAY – MAYDAY".
- Donnez l'identité de votre navire en disant : "ICI {nom de votre bateau (trois fois) ou indicatif d'appel et le numéro d'identification de votre bateau (une fois)}".
- Dites "MAYDAY (nom ou indicatif d'appel de votre bateau) une fois".
- Donnez votre position : (quels sont les points de repère ou aides à la navigation près de vous ou lisez les coordonnées de longitude et de latitude apparaissant sur votre dispositif GPS).
- Révélez la nature de votre détresse (par exemple, nous sommes en train de couler, urgence médicale, un homme à la mer, un incendie, nous sommes à la dérive, etc.
- 8. Révélez la nature de l'assistance désirée (médicale, remorquage, essence, etc.)
- Donnez le nombre de personnes à bord et les conditions des blessés, s'il y en a.
- 10. Donnez la condition de navigabilité actuelle de votre navire, tel que le degré de l'urgence par rapport à l'inondation, à l'incendie ou à votre proximité de la côte.
- 11. Donnez une brève description de votre navire en donnant le nom du bateau (par exemple, "Blue Duck est un yacht de croisière de 32 pieds, avec une coque blanche et un rouffle bleu.").
- 12. Dites: "JE VAIS ÉCOUTER SUR LE CANAL 16".
- 13. Terminez le message en disant "ICI (nom ou indicatif d'appel de votre bateau}, A VOUS".
- 14. Relâchez le bouton *push to talk* du microphone et écoutez.

Si vous n'obtenez pas de réponse après 30 secondes, répétez l'appel encommençant à l'étape 3 ci-dessus.

















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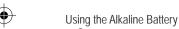












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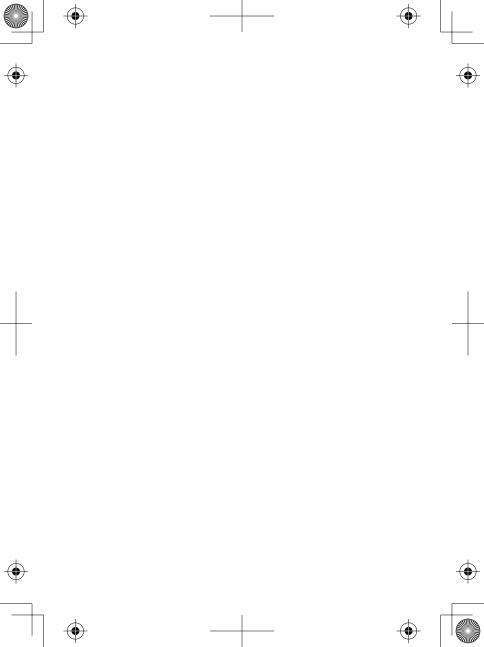
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Introduction

Features

Your radio provides the following key features:

Submersible design

Complies with floating JIS8/IPX8 water-resistant standards, which means the radio can be submerged in 1.5 meters of water for 30 minutes without damage.

- The radio will only meet this rating if fully assembled and all rubber seals and sealing plugs are well maintained and correctly fitted. This means that the speaker microphone is attached or the sealing plug is fitted, and the battery pack (or case) and antenna are attached and securely fastened.
- After your radio is submerged in water, you might notice that the sound is distorted. This is because there is still water remaining in and around the speaker and microphone. Just shake the radio to clear excess water, and the sound will return to normal.
- If your radio is exposed to salt water, clean it thoroughly with fresh water.
- The charging equipment is not waterproof.

Memory scan mode

Lets you save channels to memory and monitor them in quick succession.



















Transmitter power level select

Lets you boost the transmitter power from 1 Watt to 2.5 or 5 Watts for added transmission distance.

Battery level icons and low battery alert

Dual, Triple and Quad Watch operation

These different watch modes let you monitor up to two Coast Guard Distress/Hailing channels and one weather channel along with one regular marine channel.

All marine VHF channels for the U.S., Canada, and international waters

FRS/GMRS radio modes

Lets you use your radio to keep in touch with other members of your party on shore or on another craft close by.

National Oceanic and Atmospheric Administration (NOAA) Weather Channel watch

Sounds a warning tone when a hazard alert is issued.







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Getting Started

What's Included



VHF255 Radio with Antenna



12012589



AC-DC Charging Adapter 12012571



DC Charging Adapter 12012563



12012548





Screws for Charging Cradle



12012555



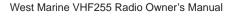
Alkaline Battery Tray (batteries not included) 12303038



Belt Clip 7830458

If any pieces are missing or damaged, contact West Marine (see back cover for contact information).







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Parts of the VHF255







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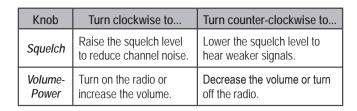












Button	Press to	Press and hold to
Push to talk	NA	Transmit on a channel
Channel up	Move up one channel at a time.	Move quickly up the channels.
16/9 - TRI (Red)	1st press: Go to channel 16. 2nd press: Go to channel 9. 3rd press: Go back to the starting channel.	Turn Triple Watch on and off.
MENU	Access the radio menus.	NA
ENTER - LOCK	 Select menu items. Return to normal marine VHF screen while marine channel list is displayed. 	Lock the keys; press and hold again to unlock.
WX - ALERT	Listen to the weather channels or return to the Turn Weather Alert W	
SCAN - MEM	Enter or exit SCAN mode.	Store the current working channel into memory.
BAND - 1/2.5/5W	Switch the band between VHF and FRS/GMRS.	Change the transmit power (see page E-11).







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Button	Press to	Press and hold to
Channel down	Move down one channel at a time.	Move quickly down the channels.

Charger



Using the Menus

Here are some general hints on operating the VHF255 menu screens.

- The current item is highlighted in reversed out text.
- Use Channel up to move up a line in the menu.
- Use Channel down to move down a line in the menu.
- Press ENTER LOCK to choose the selected item.
- · Select Exit to close the menu

Using Your Radio (General Operation)

Changing the Volume

To increase the speaker volume, turn the Volume-Power knob clockwise; turn it counter-clockwise to decrease the volume.













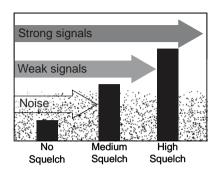






Setting the
Squelch Level
The squelch feature
reduces static on
the speaker by
filtering out any
background
channel noise. At
the lowest squelch
level, the speaker

plays all signals,



including any channel noise. Setting the squelch level higher filters out noise and lets only actual radio transmissions through.

While listening to a channel, adjust the SQUELCH knob until the noise is filtered and you can hear only the transmission. If you switch to a channel with a lot of noise or a weak trans-mission, you may need to readjust the squelch level again.

Setting the squelch level too high may prevent you from hearing weaker transmissions. If you are having difficulty hearing a transmission, try setting the squelch level lower.

Changing the Channel

Press *Channel up* and *Channel down* briefly to scroll through the channels one channel at a time. Press and hold *Channel up* or *Channel down* to quickly scroll through the channels.















Contrast

The display has 10 levels of contrast for each LCD display format: light letters on a dark background or dark letters on a light background. Scrolling from 1 to zero switches the contrast. To adjust the contrast:

- 1) Press the MENU button and select Contrast/RVS.
- 2) Use *Channel up* and *Channel down* to change the contrast to your desired level.
- Press ENTER to set the new contrast level and exit the menu.

Lamp adjust

The LCD and keypad light up whenever you press a key on the radio; the backlight stays on for 5 seconds and then turns off automatically. You can change the amount of time the LCD and keypad backlight stays on.

- 1) Press the MENU button and choose Lamp Adjust.
- 2) Choose how you want the backlight to operate:
 - Always On makes the backlight stay on.
 - Always Off makes the backlight never come on
 - Timer makes the backlight stay on for a set amount of time after you press a key.
 - Color lets you select green or orange background.
- 3) If you select *Timer*, the radio prompts you to choose the amount of time you want the backlight to stay on. Choose from *5 seconds*, *10 seconds* (default), *30 Seconds*, *1 Minute*, or *5 Minutes*.
- 4) Press ENTER to save the new setting.



















Turning the Key Beep On and Off

Key beep is the tone that sounds when you press a key or a button. You can turn this tone on and off by using the *Key Beep* menu.

- 1. From the *Main* menu, select *Key Beep*; press *ENTER LOCK* to display the *Key Beep* screen.
- 2. Select *ON* or *OFF* and press *ENTER LOCK*. The radio returns to the *Marine Main* menu.
- 3. Press MENU to return to the main screen.

Using the external speaker/mic jack

You can connect an optional external speaker-mic (SM81 - part number 12012597) to this watertight jack. Unscrew the cap, which is held by the rubber cap-keeper to prevent loss. Insert the special gasketed plug and screw down the shell, which prevents water from entering the iack.

For details, consult your West Marine dealer or contact West Marin directly (see back cover for contact information).





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How It Works

Your radio has three main operation modes: normal, scan, and weather.

Mode	What it does	Use it when you want to	To turn it on/off
Normal		Monitor a channel or talk to another radio.	(default mode)
Scan	Monitors all the channels you save into memory.	Check a small group of regularly-used channels for traffic.	Press SCAN - MEM.
Weather	Monitors the selected NOAA weather channel.	Hear the current or forecasted weather.	Press WX- ALERT.

In addition to the three operation modes, your radio provides four different *watch modes* which you can activate during any operation mode. In the watch modes, the radio briefly checks for activity on a specific channel, then returns to its previous operation.

Watch mode	What it does	To turn it on/off
	I channel for hazard alerts	Press and hold <i>WX</i> - <i>ALERT</i> for 2 seconds.
Dual Watch	Checks channel 16 for activity every 2 seconds.	Press and hold <i>SCAN</i> - <i>MEM</i> for 2 seconds.
Triple Watch	Checks channels 16 and 9 for activity every 2 seconds.	Press and hold <i>BAND</i> - 16/9-TRI for 2 seconds.

















Watch mode	What it does	To turn it on/off
	and checks the last-used	Turn on Triple Watch, then turn on Weather Alert Watch.

Private boats must monitor channel 16 whenever they are underway. Water-going vessels should have either Triple Watch or Dual Watch on at all times.

Normal mode operation

- To transmit, remove the radio from the charger, then press and hold *Push to talk*. Release the button when you are finished talking.
- For the best sound quality, hold the microphone about two inches from your mouth while you're talking.
- Press Channel up to move up one channel at a time.
 Press and hold the button to scroll quickly up the channels.
- Press Channel down to move down one channel at a time. Press and hold the button to scroll quickly down the channels.
- To change the transmit power, press BAND 1/2.5/5W. The transmit power switches to the next transmit power each time you press this button.













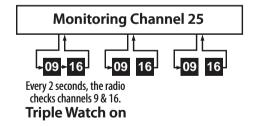




Normal mode with Weather Alert Watch

If you activate **Monitoring Channel 25** Weather Alert Watch while operating in normal mode, the radio checks the most recently used weather channel Every 7 seconds, the radio checks every seven seconds. If it detects a the last-used weather or other hazard alert, it will weather channel. switch to that weather channel. (If **WX Alert** you are actively transmitting, the Watch on radio waits until you finish your transmission before checking the weather channel.)

Normal mode with Triple Watch or Dual Watch If you activate Triple Watch while operating in normal mode, the radio checks channels 16 and 9 every two seconds: with Dual Watch turned on, the radio only checks channel 16. The radio will not check channels 16. or 9 while you are actively transmitting; it waits until your transmission is finished and then checks the channels.















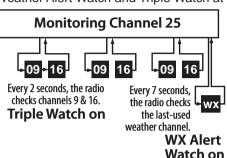




Normal mode with Quad Watch

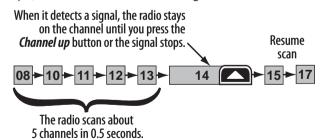
You can activate Weather Alert Watch and Triple Watch at

the same time to monitor four channels at once (Quad Watch). The radio performs the Triple Watch and Weather Alert Watch checks at their scheduled time



Scan mode operation

You can save channels into memory and then use scan mode to monitor those channels from lowest to highest. If the radio detects a signal on a channel, it stays on that channel as long as the signal is received; when the signal stops, the radio continues scanning.









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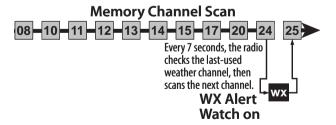


Using the radio in scan mode

- To activate scan mode, press SCAN MEM.
- You must have at least two channels in memory to start a scan.
- You cannot transmit while in scan mode.
- To save a channel into memory, select the channel, then press and hold SCAN-MEM. MEMORY displays whenever you tune to that channel.
- To remove a channel from memory, set the radio to that channel, then press and hold SCAN-MEM again. MEMORY no longer displays.
- When the radio stays on a channel, press SCAN MEM to leave that channel and resume scanning.
- To stop scanning, press the SCAN MEM button again; the radio remains on the last scanned channel.

Scan mode with Weather Alert Watch

If you activate Weather Alert Watch while in scan mode, the radio checks the most recently-used weather channel every seven seconds, then continues scanning the next channel in memory:

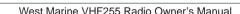
















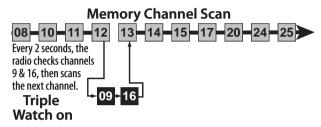




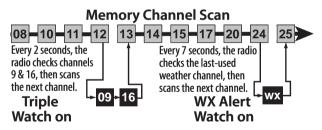


Scan mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in scan mode. the radio checks channels 16 and 9 every two seconds. then goes on to scan the next channel; with Dual Watch turned on, the radio only checks channel 16:



Both Weather Alert and Triple/Dual Watch in scan mode You can activate Weather Alert Watch and Triple/Dual Watch at the same time. The radio performs both checks at their scheduled time:



Weather mode

The NOAA weather channels now cooperate with the FCC to alert you of other hazards besides weather (child abduction alerts, nuclear, biological, etc.). In weather

















mode, the radio monitors one of the ten NOAA weather channels. If any type of alert is received, the radio sounds an alert tone and the display blinks.

Using the radio in weather mode

- You cannot transmit while in weather mode.
- To enter weather mode, press the WX ALERT button.
- To turn off the radio's alert tone, press any button.
- To cancel weather mode and return to the previous marine channel, press the WX ALERT button again.

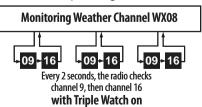
Weather mode with Weather Alert Watch

Because weather mode already monitors the weather channels, you don't need Weather Alert Watch to check the weather channel every seven seconds. If you activate Weather Alert Watch while operating in weather mode, it operates as a type of "sleep mode:" the radio stays on the weather channel and mutes the speaker. If an alert is detected, the radio sounds an alert tone and turns the speaker back on. This mode is very useful when you are anchoring for the night but want to keep informed of hazards.

Weather mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in weather

mode, the radio checks channels 16 and 9 every two seconds; with Dual Watch turned on, the radio only checks channel 16.



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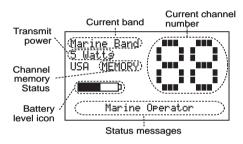


Using the Marine VHF Band

The following features and options are available only when the radio is in the marine VHF band, Press BAND - 1/2.5/5W until the display shows VHF.



Reading the marine band screen



Marine band menu options

Follow the steps below to open the marine band menu:

- 1) If the top of the display does not show Marine Band, press the BAND-1/2.5/5W button until VHF displays.
- 2) Wait for the display to show the marine band screen, then press the MENU button.
- 3) Refer to the table below for the available options and settings available in the marine band.

















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Menu Option	Use It To	Available Settings (default setting in italics)
USA/ CAN/ INT	Change the channel mode from US to Canadian or International channels	USA Mode CANadian Mode INTernational Mode
SOS Light	Turn the strobe light on or off.	Always on Strobe SOS Off
Lamp Adjust	Change the operation and color of the display backlight	Always On <i>Timer</i> (see page 22 for details) Always Off Color
Contrast/ RVS.	Adjust the display contrast	10 contrast levels (default = 7)
Dual/ TriWatch	Choose between triple watch and dual watch	16/9 TriWatch 16 DualWatch
Кеу Веер	Turn the key touch tones on or off	On Off
FIPS Codes	Enter or edit the six-digit codes for the geographic areas whose hazard alerts you want to listen to.	No FIPS codes entered. See page 28 for instructions on entering FIPS codes.
Channel Name	Change the name displayed for a channel or reset channel names back to their default settings	See the tables starting on page 42 for default channel names. See page 27 for instructions on changing channel names.
Exit	Close the menu	







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 See the tables starting on page 42 for a list of receiveonly channels.

Making a Transmission

Select the channel you want to transmit on, then press and hold *Push to talk*. Release *Push to talk* when you're finished talking to let the other party respond.

- ◆ To prevent stuck microphone problems or situations where *Push to talk* is pushed accidentally, the radio limits your talk time to 5 minutes in a single transmission.
- For the best sound quality, hold the microphone about two inches away from your mouth.
- See the channel lists starting on page E-34 for a list of receive-only channels.

Boosting the transmission power

In most situations, the 1 Watt transmission power is all you need. If you find yourself far away from other stations and have trouble getting a response, you may need to boost the transmission power from 1 Watt to 2.5 Watts or 5 Watts:

- 1) Select the channel you want to transmit on.
- 2) Press and hold *BAND 1/2.5/5W* to switch to the next transmission power level (for example, from 5 Watt to 2.5 Watts; from 2.5 Watts to 1 Watt, or from 1 Watt back around to 5 Watts).
- 3) The display shows the new transmission power in the lower left hand corner. The transmit power remains at the new setting until you change it again.
- Don't forget to change the transmission setting back to 1 Watt when you move close to other stations.















Some channels (for example, channels 13 and 67) limit the transmission power to 1 Watt. When you tune to a limited-power channel, the radio automatically switches to 1 Watt. See the channel lists starting on page E-34 for a list of power-restricted channels.

Setting the UIC Channel Mode

The radio is preset to US-assigned channels. Follow these steps to change the channel mode to Canadian or international channel assignments,

- Open the menu and select USA/CAN/INT; press FNTFR - LOCK.
- Scroll up or down to select the UIC channel mode desired; press ENTER - LOCK.
- 3. The radio beeps twice and returns to the *Marine Menu* screen. Press *MENU* to return to the *Main* screen.

Using the Strobe SOS Light

You can use this radio in an emergency. If you turn on the strobe SOS high-intensity LED light on your radio, your radio will blink "S O S" in international Morse Code. This will make it easier for rescuers to find you faster. You can also select a continuous light instead of the SOS pattern.

- Your radio operates normally when the SOS LED strobe is activated.
- 1. From the radio's Main menu, select SOS Light and press *ENTER LOCK*.
- 2. Scroll up or down to select *Always On, Strobe*, or *Off.* Press *ENTER LOCK*. The *Marine Main* menu displays.
- 3. Press MENU to return to the main screen.









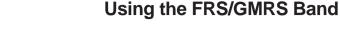












GMRS License

The VHF255 can operate on the General Mobile Radio Service (GMRS) frequencies. You must have a GMRS license issued by the Federal Communications Commission to legally use GMRS channels. For licensing information and application forms, visit the FCC online at: www.fcc.gov/wtb/uls or call the FCC Hotline at 1-800-418-3676. If you have any questions, you can contact the FCC directly at 1-888-255-5322. No license is required for operation on non-GMRS channels or operation on any channel in Canada

FRS/GMRS Band Features

The following features and options are avilable only when the radio is in the FRS/GMRS band. To activate this band. press the BAND-1/2.5/5W button; the display shows FRS/ GMRS.

FRS/GMRS









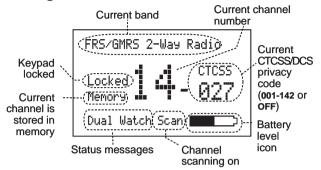








Reading the FRS/GMRS band screen



FRS/GMRS band menu options

There are two differences between the Marine VHF band and FRS/GMRS band menus:

- USA/CAN/INT, FIPS Codes, and Channel Name menus appear on the Marine VHF band menu but not the FRS/GMRS menu.
- CTCSS appears on the FRS/GMRS band menu but not the Marine VHF band menu.

The other menu options are identical.

Setting CTCSS/DCS privacy codes

Normally, any FRS/GMRS radio that is within range and using the same channel can hear FRS/GMRS conversations. To prevent other radios from hearing you or to reduce interference with other radios, you can enable one of the 142 privacy codes for any channel. Only radios that have the matching privacy code will be able to decipher your transmission.

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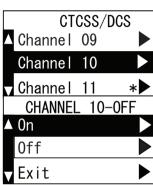




- Privacy codes are specific to each channel. Make sure the person you want to communicate with has the same code set on the same channel you do.
- 1) Open the FRS/GMRS menu. Select CODE and press ENTER-LOCK.

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- 2) The current FRS/GMRS channel is highlighted. Use the Channel up or Channel down button to select a different channel. Any channel that has a privacy code enabled has an asterisk in the display.
- 3) Choose On to enable a privacy code on this channel or choose Off to disable a previously-set code.
- 4) Enter a code number between 001 and 142. Use the Channel up and Channel down buttons to change the first digit; the Channel up button increases the number; the Channel down button decreases the number.



Press the UP or DOWN arrow keys to select the character then press the enter key























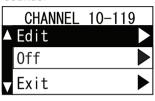


5) When the first digit is correct, press the ENTER-LOCK button to move to the next digit. Enter the remaining two digits of the code in the same way.

Note: If you try to enter a code number less than 001 or greater than 142, an error tone sounds.

When the third digit is correct, press ENTER-LOCK. The screen displays the channel along with the chosen code number. If you want to change the code,

select Edit.



6) Select Exit to save the settings and exit the menu.





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Installing the Battery

Your radio comes with a rechargeable Lithium Ion battery; for shipping safety, the battery is not installed at the factory. The empty alkaline battery case is installed as a placeholder.

- 1) Insert the tabs on the battery into the notches at the top of the battery compartment.
- Each time you remove the battery, check the rubber seal around the battery compartment. Make sure the seal is seated in the groove and there is no dirt or debris on it. If the seal looks worn or damaged, contact customer service to order a replacement (SKU# 12012555; see back cover page for contact information).
- 2) Lower the battery until it rests flat in the compartment.
- 3) Bring the battery latch up and snap it into place.

Using the Alkaline Battery Case

The radio also comes with a battery case that holds four AAA-type alkaline batteries (not included). You can use alkaline batteries as a backup for the Li-lon battery so you can still use your radio while your Li-lon battery is recharging. For best performance, West Marine







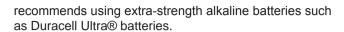












When using alkaline batteries, transmit power is limited to a maximum of 2.5W.

Follow these steps to use the alkaline battery case:

1) Hold the lower part of the case in one hand with the three battery contacts facing down. Use your thumb to hold the notch on the lower part of the case.



- 2) With your other hand, grip the upper part of the case and lift the cover open.
- 3) Align the batteries' positive and negative terminals with the drawing on the case and snap each battery into place.
- 4) Insert the two hooks on the lower part of the case into the notches on the cover: close the cover. (The cover fits snugly but you should not have to force it closed.)
- Each time you open the battery case. check the rubber seal. Make sure the seal is seated in the groove and there is no dirt or debris on it. If the rubber seal looks worn or damaged, contact customer service to order a replacement (SKU# 12303038; see the back cover page for contact information).
- 5) Install the alkaline battery case in your radio just as you do the Li-Ion battery (see page E-15).



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WARNING! The case is designed to prevent the accidental charging of alkaline batteries. Never use alkaline batteries in the radio without the case. Do not try to modify the battery case.

Mounting the Charger

You can mount the charger on any flat surface.

- 1) Use the two holes at the base of the charger as a template to mark the drill holes.
- 2) Using a 1/8-inch (or 3 mm) drill bit, drill two holes 1/2 inch (13mm) deep.
- 3) Use the provided screws to attach the charger to the surface.

Charging the Battery

Your radio includes a charger and a rechargeable battery pack. Place your radio in the charger with the display facing forward. Make sure that the CHARGE LED on the charger turns orange.







Make sure to turn the radio OFF before placing it in the charging cradle

Cautions:

Use only the battery and charger supplied with this radio.
 Using a different charger or battery can damage the radio and create a risk of fire or shock.



















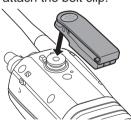
- ◆ The charger is not waterproof. If the charger falls into the water, unplug it before attempting to remove it from the water. After you remove the charger from the water, please contact Customer Service (see the back cover page for contact information).
- Wipe off dirt or shake water from your radio before placing in the charger if your radio gets dirty or wet.

Important notes on charging the battery

- Charge the battery fully before using the radio. When the battery is completely charged, the CHARGE LED on the charger turns green.
- Don't use the charger when the ambient temperature is below 0° C (32° F) or above 45° C (113° F).
- If the radio is powered down, the battery can charge in about seven hours. (If the radio is powered on, the battery takes longer to charge.)

Attaching the Belt Clip

To attach the belt clip:



- Rotate the belt clip so that the finger indentation is towards the top of the radio.
- 2) Align the center of the clip with the anchor post.









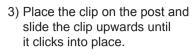


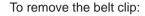






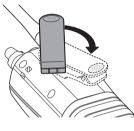




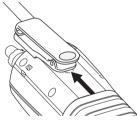


1) Rotate the clip so that the finger indentation is towards the bottom of the radio.





2) Slide the clip up until it comes free of the anchor post.









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Maintenance and Troubleshooting

Due to its rugged design, your radio requires very little maintenance. However, it is a precision electronic instrument, so you should follow a few precautions:

- If the antenna has been damaged, do not transmit except in an emergency situation. Transmitting with a defective antenna may cause further radio damage.
- You are responsible for continued FCC technical compliance of your radio.

Common Questions

Problem	Things to Try	
The radio won't turn on.	Charge the radio.	
The power LED on	 Don't use the charger when the ambient temperature is below 0° C (32° F) or above 45° C (113° F). 	
the charger doesn't turn on.	Make sure the charging contacts on the radio and charger are clean.	
	 Replace the battery. 	
	Make sure you are not in weather or scan mode.	
The radio won't transmit.	Make sure you are not trying to transmit on a receive-only channel or transmit at the wrong power level for this channel (see the channel lists starting on page E-34).	
	Check the battery power level; if it's low, charge the battery before trying to transmit.	
	Make sure the duration of each transmission is less than 5 minutes.	

















Problem	Things to Try
I can't hear anything from the speaker.	Adjust the squelch level; it is probably too high.
The sound is muffled or the volume is low.	Clear water from the speaker grill.
Noise comes out of the speaker all the time	Adjust the squelch level; it is probably too low.
I can transmit, but no one can hear me.	Check your UIC channel settings: does the area you are in use different channel assignments?
I'm not getting hazard alerts.	Make sure Weather Alert Watch is turned on.
The display flashes, and I don't know why.	The channel number on the display will flash if the radio is in a watch mode or in scan mode. Try turning off scanning, Weather Alert Watch, Triple Watch, or Dual Watch (see page E-10).
Where can I find my radio's serial number?	The serial number is on a plate inside the battery compartment.







West Marine VHF255 Radio Owner's Manual



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	General				
	All LIS/International/Canada marine				
Channels	, in oormitorrian	channels, FRS/GMRS channels			
	10 Weather channe				
Freq. Control	PII				
Freq. Tol.	Transmit: 1.5 PPM	(at 25°C)			
1104. 101.	Receive: 1.5 PPM (<u>' </u>			
Oper. Temp.	-4°F (-20°C) to +12				
Antenna	Flexible Whip	_ ((0 0 0)			
Microphone	Built-in Electret type	<u> </u>			
Display	Liquid Crystal Displa				
Speaker	8Ω 0.5 Watt				
Power Source	Rechargeable Lithium Ion Battery 7.4V 1040 mAh				
	5.95 (H) x 2.56 (W) x 1.77 (D) inch				
Size (without antenna)		151 (H) x 65 (W) x 45 (D) mm			
Weight		pattery and antenna)			
	Transmitter	,			
	Marine	FRS/GMRS			
Frequency Range	156~158 MHz	462~467 MHz			
Frequency Stability	±10 PPM	±2.5 PPM			
Power Output	5 W & 2.5W & 1W	0.4W			
Spurious Emissions	70 dBm	-30 dBm			
Current Drain 1500 mA (5W) 700 mA					
	Receiver				
Marine FRS/GMRS					



















	Double Conversion Super Heterodyne		
	Phase Locked Loop s Oscillator	system for Local	
Frequency Range	156~164 MHz	462~467 MHz	
Sensitivity (12dB SINAD)	0.18 μV	0.25 μV	
Audio Frequency Response	+4.5 dB @ 500 Hz; -	6 dB @ 2000Hz	
Audio Output Power	0.35 W @	10% THD	
Current Drain	Squelched: 70 mA;	Max. Audio: 200 mA	

Channels and Frequencies (MHz)

IIS channel frequencies and names

030	os channel frequencies and flames				
	US Marine Channels				
Ch	RX Freq	TX Freq	Status	Name	
1A	156.050	156.050	Simplex	Vessel traffic system/commercial	
5A	156.250	156.250	Simplex	Vessel traffic system/commercial	
6	156.300	156.300	Simplex	Inter-ship safety	
7A	156.350	156.350	Simplex	Commercial	
8	156.400	156.400	Simplex	Commercial	
9	156.450	156.450	Simplex	Non commercial	
10	156.500	156.500	Simplex	Commercial	
11	156.550	156.550	Simplex	Vessel traffic system	
12	156.600	156.600	Simplex	Vessel traffic system	
13	156.650	156.650	Simplex, 1W	Bridge to bridge	
14	156.700	156.700	Simplex	Vessel traffic system	
15	156.750	Inhibit	Receive only	Environmental	
16	156.800	156.800	Simplex	Distress, safety, and calling	
17	156.850	156.850	Simplex, 1W	Govt maritime control	
18A	156.900	156.900	Simplex	Commercial	















	US Marine Channels				
Ch	RX Freq	TX Freq	Status	Name	
19A	156.950	156.950	Simplex	Commercial	
20	161.600	157.000	Duplex	Port operation	
20A	157.000	157.000	Simplex	Port operation	
21A	157.050	157.050	Simplex	Coast guard only	
22A	157.100	157.100	Simplex	Coast guard	
23A	157.150	157.150	Simplex	Coast guard only	
24	161.800	157.200	Duplex	Marine operator	
25	161.850	157.250	Duplex	Marine operator	
26	161.900	157.300	Duplex	Marine operator	
27	161.950	157.350	Duplex	Marine operator	
28	162.000	157.400	Duplex	Marine operator	
63A	156.175	156.175	Simplex	Vessel traffic system	
65A	156.275	156.275	Simplex	Port operation	
66A	156.325	156.325	Simplex	Port operation	
67	156.375	156.375	Simplex, 1W	Bridge To Bridge	
68	156.425	156.425	Simplex	Non Commercial	
69	156.475	156.475	Simplex	Non Commercial	
70	156.525	Inhibit	Receive only	Digital Selective Calling	
71	156.575	156.575	Simplex	Non Commercial	
72	156.625	156.625	Simplex	Non Commercial (Ship-Ship)	
73	156.675	156.675	Simplex	Port Operation	
74	156.725	156.725	Simplex	Port Operation	
75	156.775	156.775	Simplex, 1W	Port Operation	
76	156.825	156.825	Simplex, 1W	Port Operation	
77	156.875	156.875	Simplex, 1W	Port Operation (Ship-Ship)	
78A	156.925	156.925	Simplex	Non Commercial	
79A	156.975	156.975	Simplex	Commercial	
80A	157.025	157.025	Simplex	Commercial	
81A	157.075	157.075	Simplex	Coast Guard	
82A	157.125	157.125	Simplex	Coast Guard	
83A	157.175	157.175	Simplex	Government	

















	US Marine Channels					
Ch	Ch RX Freq TX Freq Status Name					
84	161.825	157.225	Duplex	Marine Operator		
85	161.875	157.275	Duplex	Marine Operator		
86	161.925	157.325	Duplex	Marine Operator		
87	157.375	157.375	Simplex	Marine Operator		
88	157.425	157.425	Simplex	Commercial (Ship-Ship)		

Canadian channel frequencies and names

	Canadian Marine Channels				
Ch	RX Freq	TX Freq	Status	Name	
1	160.650	156.050	Duplex	Marine Operator	
2	160.700	156.100	Duplex	Marine Operator	
3	160.750	156.150	Duplex	Marine Operator	
4A	156.200	156.200	Simplex	Canadian Coast Guard	
5A	156.250	156.250	Simplex	Vessel Traffic System	
6	156.300	156.300	Simplex	Inter-Ship Safety	
7A	156.350	156.350	Simplex	Commercial	
8	156.400	156.400	Simplex	Commercial	
9	156.450	156.450	Simplex	Boater Calling Channel	
10	156.500	156.500	Simplex	Commercial	
11	156.550	156.550	Simplex	Vessel Traffic System	
12	156.600	156.600	Simplex	Vessel Traffic System	
13	156.650	156.650	Simplex, 1W	Bridge To Bridge	
14	156.700	156.700	Simplex	Vessel Traffic System	
15	156.750	156.750	Simplex, 1W	Environmental	
16	156.800	156.800	Simplex	Distress, safety, calling	
17	156.850	156.850	Simplex, 1W	State Control	
18A	156.900	156.900	Simplex	Commercial	
19A	156.950	156.950	Simplex	Canadian Coast Guard	
20	161.600	157.000	Duplex, 1W	Port Operation	















	Canadian Marine Channels				
Ch	RX Freq	TX	Status	Name	
		Freq			
21A	157.050	157.050	Simplex	Canadian Coast Guard	
22A	157.100	157.100	Simplex	Canadian Coast Guard	
23	161.750	157.150	Duplex	Canadian Coast Guard	
24	161.800	157.200	Duplex	Marine Operator	
25	161.850	157.250	Duplex	Marine Operator	
26	161.900	157.300	Duplex	Marine Operator	
27	161.950	157.350	Duplex	Marine Operator	
28	162.000	157.400	Duplex	Marine Operator	
60	160.625	156.025	Duplex	Marine Operator	
61A	156.075	156.075	Simplex	Canadian Coast Guard	
62A	156.125	156.125	Simplex	Canadian Coast Guard	
63A	156.175	156.175	Simplex	Port Operation	
64	160.825	156.225	Duplex	Marine Operator	
64A	156.225	156.225	Simplex	Port Operation	
65A	156.275	156.275	Simplex	Port Operation	
66A	156.325	156.325		Port Operation	
67	156.375	156.375	Simplex	Bridge To Bridge	
68	156.425	156.425	Simplex	Non Commercial	
69	156.475	156.475	Simplex	Non Commercial	
70	156.525	Inhibit		Digital Selective Calling	
71	156.575	156.575	Simplex	Non Commercial	
72	156.625	156.625	Simplex	Non Commercial	
73	156.675	156.675	Simplex	Port Operation	
74	156.725	156.725	Simplex	Port Operation	
75	156.775	156.775		Port Operation	
76	156.825	156.825		Port Operation	
77	156.875	156.875		Port Operation	
78A	156.925	156.925	Simplex	Inter Ship	
79A	156.975	156.975	Simplex	Inter Ship	
80A	157.025	157.025	Simplex	Inter Ship	





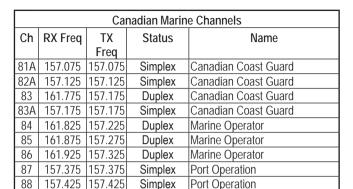












Port Operation

International channel frequencies and names

Simplex

	International Marine Channels					
Ch	RX Freq	TX Freq	Status	Name		
1	160.650	156.050	Duplex	Marine operator		
2	160.700	156.100	Duplex	Marine operator		
3	160.750	156.150	Duplex	Marine operator		
4	160.800	156.200	Duplex	Marine operator		
5	160.850	156.250	Duplex	Marine operator		
6	156.300	156.300	Simplex	Inter-ship safety		
7	160.950	156.350	Duplex	Marine operator		
8	156.400	156.400	Simplex	Commercial (ship-ship)		
9	156.450	156.450	Simplex	Boater calling channel		
10	156.500	156.500	Simplex	Commercial		
11	156.550	156.550	Simplex	Vessel traffic system		
12	156.600	156.600	Simplex	Vessel traffic system		
13	156.650	156.650	Simplex	Bridge to bridge		
14	156.700	156.700	Simplex	Vessel traffic system		
15	156.750	156.750	Simplex, 1W	Environmental		
16	156.800	156.800	Simplex	Distress, safety, calling		

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	International Marine Channels				
Ch	RX Freq	TX Freq	Status	Name	
17	156.850	156.850	Simplex, 1W	Govt maritime control	
18	161.500	156.900	Duplex	Port operation	
19	161.550	156.950	Duplex	Commercial	
20	161.600	157.000	Duplex	Port operation	
21	161.650	157.050	Duplex	Port operation	
22	161.700		Duplex	Port operation	
23	161.750	157.150	Duplex	Marine operator	
24	161.800	157.200	Duplex	Marine operator	
25	161.850	157.250	Duplex	Marine operator	
26	161.900	157.300	Duplex	Marine operator	
27	161.950	157.350	Duplex	Marine operator	
28	162.000	157.400	Duplex	Marine operator	
60	160.625	156.025	Duplex	Marine operator	
61	160.675	156.075	Duplex	Marine operator	
62	160.725	156.125	Duplex	Marine operator	
63	160.775	156.175	Duplex	Marine operator	
64	160.825	156.225	Duplex	Marine operator	
65	160.875	156.275	Duplex	Marine operator	
66	160.925	156.325	Duplex	Marine operator	
67	156.375	156.375	Simplex	Bridge to bridge	
68	156.425	156.425	Simplex	Non commercial	
69	156.475	156.475	Simplex	Non commercial	
70	156.525	Inhibit	Receive only	Digital Selective Calling	
71	156.575	156.575	Simplex	Non commercial	
72	156.625	156.625	Simplex	Non commercial	
73	156.675	156.675	Simplex	Port operation	
74	156.725	156.725	Simplex	Port operation	
75	156.775	156.775		Port operation	
76	156.825	156.825		Port operation	
77	156.875	156.875	Simplex	Port operation (ship-ship)	
78	161.525	156.925	Duplex	Port operation	





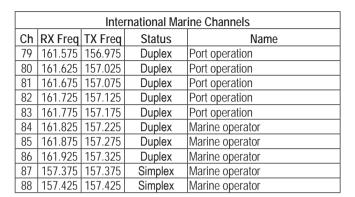












Weather channel frequencies and names

Channel	RX	Channel	RX
WX01	162.5500	WX06	162.5000
WX02	162.4000	WX07	162.5250
WX03	162.4750	WX08	161.6500
WX04	162.4250	WX09	161.7750
WX05	162.4500	WX10	163.2750



















CH No.	RX Freq. (MHz)	TX Freq.(MHz)
1	462.5625	462.5625
2	462.5875	462.5875
3	462.6125	462.6125
4	462.6375	462.6375
5	462.6625	462.6625
6	462.6875	462.6875
7	462.7125	462.7125
8	467.5625	467.5625
9	467.5875	467.5875
10	467.6125	467.6125
11	467.6375	467.6375
12	467.6625	467.6625
13	467.6875	467.6875
14	467.7125	467.7125
15	462.5500	462.5500
16	462.5750	462.5750
17	462.6000	462.6000
18	462.6250	462.6250
19	462.6500	462.6500
20	462.6750	462.6750
21	462.7000	462.7000
22	462.7250	462.7250



















CTCSS Code List

Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	Code No.	Freq. (Hz)	
OFF	Off	13	103.5	26	162.2	
1	67.0	14	107.2	27	167.9	
2	71.9	15	110.9	28	173.8	
3	74.4	16	114.8	29	179.9	
4	77.0	17	118.8	30	186.2	
5	79.7	18	123.0	31	192.8	
6	82.5	19	127.3	32	203.5	
7	85.4	20	131.8	33	210.7	
8	88.5	21	136.5	34	218.1	
9	91.5	22	141.3	35	225.7	
10	94.8	23	146.2	36	233.6	
11	97.4	24	151.4	37	241.8	
12	100.0	25	156.7	38	250.3	

DCS Code List

Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)
39	023	50	072	61	152
40	02	51	073	62	155
41	026	52	074	63	156
42	031	53	114	64	162
43	032	54	115	65	165
44	043	55	116	66	172
45	047	56	125	67	174
46	051	57	131	68	205
47	054	58	132	69	223
48	065	59	134	70	226
49	071	60	143	71	243



















Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)
72	244	96	464	120	743
73	245	97	465	121	754
74	251	98	466	122	36
75	261	99	503	123	53
76	263	100	506	124	122
77	265	101	516	125	145
78	271	102	632	126	212
79	306	103	546	127	225
80	311	104	565	128	246
81	315	105	606	129	252
82	331	106	612	130	255
83	343	107	624	131	266
84	346	108	627	132	274
85	351	109	631	133	325
86	364	110	632	134	332
87	365	111	654	135	356
88	371	112	662	136	446
89	411	113	664	137	452
90	412	114	703	138	454
91	413	115	712	139	455
92	423	116	723	140	462
93	431	117	731	141	523
94	432	118	732	142	526
95	445	119	734		

















Regulations and Safety Warnings

WARNING! Read this information before using the radio.

Maritime Radio Services Operation

Warning! This transmitter will operate on channels/frequencies that have restricted use in the United States. The channel assignments include frequencies assigned for exclusive use of the U.S. Coast Guard, use in Canada, and use in international waters. Operation on these frequencies without proper authorization is strictly forbidden. See pages E-34 through E-31 for tables of the available channels and their uses. If you are still not certain which channels to use, see the FCC maritime radio page at the FCC website (http://wireless.fcc.gov/marine/) or contact the FCC Call Center at 1-888-CALL-FCC. For individuals requiring a license, such as commercial users, you should obtain a license application from your nearest FCC field office (for US users) or Industry Canada (for Canadian users).

Basic Radio Guidelines

You should familiarize yourself with the rules on marine radios and be aware of which rules apply to your boat. Complete guidelines for all ship and marine radio types can be found at the US Coast Guard website under the topic Radio Info for Boaters (the direct link is http://www.navcen.uscg.gov/marcomms/boater.htm). Here are a few guidelines that affect nearly all boaters.

- If you have a VHF radio on your boat, you must maintain a watch on channel 16 (156.800 MHz) whenever the radio is not being used to communicate. Starting in 2004, if a radio is carried, it must be on and set to channel 16 whenever your boat is underway.
- If you hear a distress call, wait a few minutes to let a shore station or Coast Guard vessel respond. If no other station has responded after 5 minutes, you must respond to the distress call.

















 Do not make false mayday or distress calls as a prank or to test your radio. (This is essentially like making a false 9-1-1 call; you may be subject to fines.)

FCC/Industry Canada Information

Certification: FCC Part 80 or RSS-182

Output Power: 5WEmission: 16K0F3E

• Transmitter Frequency Range: 156.025-157.425 MHz

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.

Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules. Any change or modification must be approved in writing by West Marine. Changes or modifications not approved by West Marine could void the user's authority to operate the equipment.

FCC RF Exposure Information

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of the radio complies with the FCC quidelines and these international standards.

Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

WARNING! It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following:

 Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or violate FCC regulations.



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West Marine VHF255 Radio Owner's Manual

















Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

Hand-held Operation (Held-to-Face)

This device was evaluated for typical hand-held (held-to-face) operations with a 1 inch spacing from the front of the radio. For hand-held operation, the radio should be held 1 inch from the user's face in order to comply with FCC RF exposure requirements.

Body-Worn Operation

This device was tested for typical body-worn operations using the supplied belt-clip. To maintain compliance with FCC RF exposure requirements. body-worn operations are restricted to the supplied belt-clip. For handheld operation, the radio should be held 1 inch from the user's face. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided. For more information about RF exposure, please visit the FCC website at www.fcc.gov.

Lithium ion battery warning

- This equipment contains a rechargeable Lithium Ion battery. The rechargeable battery contained in this equipment may explode if disposed of in a fire.
- Do not short-circuit the battery.
- Do not charge the rechargeable battery used in this equipment in any charger other than the one specified in the owner's manual. Using another charger may damage the battery or cause it to explode.
- Li-Ion batteries must be recycled or disposed of properly.
- Avoid exposing the battery (whether attached to the radio or not) to direct sunlight, heated cars, or temperatures below -4°F (-20°C) or above +140°F (+60°C). Exposing the chemical contained within the battery pack to temperatures above +140°F (+60°C) may cause the battery to rupture, fail, or reduce performance.

















- In case of exposure to the cell contents, wash the affected area thoroughly, and seek medical attention.
- As part of our commitment to protecting our environment and conserving natural resources, West Marine voluntarily participates in an RBRC® industry program to collect and recycle used Li-Ion batteries within the United States. Please call 1-800-8-BATTERY for information on Li-Ion battery recycling in your area. (RBRC® is a registered trademark of the Rechargeable Battery Recycling Corporation.)

Three Year Limited Warranty Statement

This Limited Warranty is Void outside the United States of America and Canada.

What Does This Limited Warranty Cover?

West Marine warrants to the original retail purchaser of the West Marine product, where the purchase is made in the United States or Canada, that for thirty-six (36) months from date of original retail purchase said product will be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

How Long Does This Limited Warranty Last?

This limited warranty is valid for thirty-six (36) months from the date of the original retail purchase from West Marine within the United States (the "Limited Warranty Term").

The warranty period is not extended if we repair or replace a warranted product or any parts. West Marine reserves the right to change the availability of limited warranties, at its discretion, but any changes will not be retroactive and will only apply to subsequent purchases.

What Does This Limited Warranty Not Cover?

This limited warranty is invalid where and does not cover:



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- Software.
- Commercial or industrial use or operation.
- Normal maintenance items or normal wear and tear.
- Problems resulting from fire or exposure to caustic liquids.
- The product was damaged, modified or altered.
- The product was used as part of any conversion kits, subassemblies, or any configurations not appropriate or contemplated for this product or its use.
- Damage or loss occurring during return shipment of the product to West Marine or its authorized service representative.
- The product was subject to improper service, repair, installation, storage, maintenance, alteration or application.
- Problems that result from accident, neglect, abuse, misuse or issues with electrical power,
 Problems caused by accessories, parts or components added to the
- product that are not appropriate for this product or its use. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION), WEST MARINE'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR OR REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ARE LIMITED IN TIME TO THE TERM OF THIS LIMITED WARRANTY (AS SPECIFIED ABOVE). NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

WE DO NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED FOR IN THIS LIMITED WARRANTY OR FOR



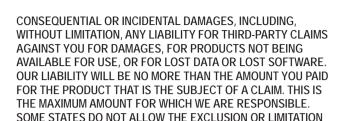












LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. What Must I Do To Keep the Warranty in Effect?

 You must keep your receipt or other appropriate documentation as proof of the date of sale and purchase.

OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE

- You must keep your serial number or order number for the product.
 This is found on the product itself or on your receipt.
- You must not do any of the things that will make the warranty invalid as provided for in this warranty statement.
- You must use, install, maintain and operate the product in accordance with published specifications and the user's manual.

What Do I Do If I Need Warranty Service?

- Before the warranty expires, please call us at 1-800-BOATING (1-800-262-8464). Please also have your West Marine serial number or order number available.
- When you contact us, we will issue a Return Material Authorization Number for you to include with your return. We will also provide you the address of where to ship the product.
- You must return the product to us in its original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk if the product is lost or damaged in shipment.

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What Will West Marine Do?

During the Limited Warranty Term, if the product you return to us proves to be defective in materials or workmanship and not for the reasons which would otherwise disqualify it (as explained here), then we will:

- At West Marine's option, we will repair the product or, if we are unable to repair it, we will replace it with a comparable product that is new or refurbished:
- Or, as an alternative, at West Marine's option, we will refund you the original purchase price:
- If we repair or replace the product, we will return the repaired or replacement product to you; and
- Pay to ship the repaired or replacement product to you if you use an address in the United States (excluding Puerto Rico and U.S. possessions and territories). Otherwise, we will ship the product to you freight collect.

If we determine that the problem is not covered under this warranty, we will notify you of this when we return your product to you to the address you provide us in the United States (excluding Puerto Rico and U.S. possessions and territories).

We use new and refurbished parts made by various manufacturers in performing warranty repairs and in building replacement parts and systems. Refurbished parts and systems are parts or systems that have been returned to West Marine, some of which were never used by a customer. Replacement parts and systems are covered for the remaining time left in the Limited Warranty Term for the product you bought (whatever time remains in the twelve months since purchase). West Marine owns all parts removed from repaired products.

Maintenance is the Owner's Responsibility

Cleaning, polishing, lubricating, replacing filters, tuning, replacing worn parts, using your purchased product according to the user's manual, and regularly maintaining your purchased product is your responsibility.



















Service will be provided to you under the terms of the Plus Protection Plan Contract. Please refer to that contract for details on how to obtain service.

How State Law Relates to the Warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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