

GARMIN®

A01653

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A01653 Series Quick Start Manual

Introduction

WARNING

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

Device Overview

A01653

A01653

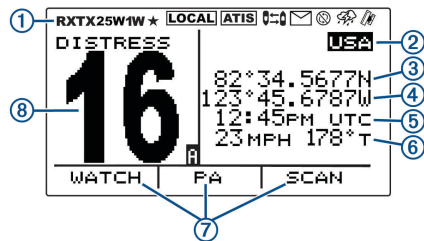
Item	Key	Description
①	DISTRESS	Lift the door and select to send a DSC distress call with a programmed MMSI number.
②	VOL/SQ	Press to switch between volume or squelch. Rotate to adjust the volume or squelch level.
③		Select the key that corresponds to the on-screen item to select the item.
④	SELECT	On the home screen, rotate to change the channel. On the home screen, press to toggle weather channels. Rotate to highlight an item in a list. Press to select an item.
	PWR North America: 16/9 International: 16+	Hold to turn the radio on and off. Select to toggle between preset channels.
	DSC	Select to view a menu of DSC options.
	HI/LO	Select to change the transmission mode and power settings.
	CLEAR	Select to return to the previous menu option. Select to cancel or mute an incoming DSC call.
	MENU	From the home screen, select to view configuration options. From a menu, select to return to the home screen.

Handset Overview



①	PTT	Hold to broadcast.
②	▲ or ▼	Select to change the channel on the radio.
③	North America: 16/9 International: 16+	Select to toggle between preset channels.

Home Screen



①	Current radio system status, settings, and alerts.
②	Current international, Canadian, or U.S. frequency band
③	*Current latitude
④	*Current longitude
⑤	*Current time
⑥	**Current speed over ground (SOG) or course over ground (COG)
⑦	Soft-key functions change depending on your current activity
⑧	Current working channel

*The current latitude, longitude, and time appear when the transceiver is connected to a GPS device. You can enter data manually when the transceiver is not connected to a GPS device.

** The current SOG and COG appear when the transceiver is connected to a GPS device, and the option is enabled in the menu.

System Status Icons

Icon	Status
RX	Receiving an incoming signal
TX	Transmitting
25W	Transmitting at 25 W
1W	Transmitting at 1 W
★	Saved channel
LOCAL	Local receiver mode, often used in areas with radio frequency interference (harbors)
ATIS	ATIS enabled
📶	Position tracking enabled
🚫	Auto channel changing disabled

Icon	Status
	Incoming or missed DSC call
	Weather alert
	External GPS connected

Basic Operation

Turning On and Off the Device

Hold **PWR**.

Adjusting the Radio Volume

- 1 Set the squelch level to **MIN** before you adjust the radio volume (optional).
- 2 Turn the **VOL/SQ** dial to increase or decrease the radio volume.

Adjusting the Squelch Level

You can adjust the sensitivity level of the squelch to filter out background noise. When you increase the squelch level, you hear fewer weak background signals when you are receiving.

- 1 Press the **VOL/SQ** dial.
SQUELCH appears on the screen.
- 2 Turn the **VOL/SQ** dial counter-clockwise until you hear audio.
- 3 Turn the **VOL/SQ** dial clockwise until there is no background noise.

Selecting the Frequency Band

You can switch between the USA, International, or Canadian frequency bands.

NOTE: Not all frequency bands are available on all device models.

- 1 Select **MENU > CHANNEL > Frequency band**.
- 2 Select a frequency band.

Selecting a Channel

You can select an international, Canadian, or USA channel (page 4).

Select an option:

- To select a channel on the device, turn **Channel** clockwise or counter-clockwise.
- To select a channel on the handset, select  or .

Transmitting with the Radio or Handset

- 1 Select an appropriate channel.
- 2 Ensure the channel is clear.

NOTE: You cannot obstruct the communications of other people due to Federal Communications Commission (FCC) and international guidelines.

- 3 Select **PTT** on the handset.
TX appears at the top of the screen.
- 4 Speak into the handset.

NOTE: Five minutes is the maximum time allowed for transmission. After five minutes of transmitting, PTT is disabled until you release PTT.

- 5 Release **PTT**.

Setting the Receiving Sensitivity

You can control the receiving sensitivity of the device. When you have noise in high-traffic areas or areas with electromagnetic interference, such as near cell-phone towers, you can set the receiving sensitivity to **LOC** to decrease receiver sensitivity. In remote areas and on open water, you can set the receiving sensitivity to **DIST** to ensure that you use the maximum range of the receiver.

- 1 Select **HI/LO**.
- 2 Select an option:
 - Select **LOC** to enable local sensitivity.
 - Select **DIST** to enable distant sensitivity.

Switching Between 1 W and 25 W Transmitting Modes

You can control the transmitting power of the radio. LO (1 W) is used for local transmissions, and HI (25 W) is used for distance and distress transmissions.

When two signals broadcast on the same frequency, a VHF radio receives only the stronger of the two signals. You should transmit calls other than distress calls using the lowest power setting that allows you to communicate, to reduce the possibility that your transmissions interfere with the transmissions of others.

In the USA frequency band, transmissions on channels 13 and 67 must be low (1 W) by default.

- 1 Select **HI/LO**.
- 2 Select **1W** or **25W**.

Digital Selective Calling

Digital Selective Calling

NOTE: Before you can use DSC capabilities, you must enter a Mobile Marine Safety Identity (MMSI) number. An MMSI number identifies each DSC radio, like a telephone number.

Digital Selective Calling (DSC) is a key component of the Global Maritime Distress and Safety System (GMDSS). DSC enables VHF radios to place and receive digital calls directly with other vessels and shore stations, including the USA and Canadian Coast Guards. Your radio includes full Class-D DSC capabilities.

For more information about DSC on your device, including using DSC for distress calls, see the online owner's manual (page 7).

NOTE: The device disables DSC automatically when you turn on ATIS (page 6).

Entering Your MMSI Number

NOTICE

You can enter your MMSI number only once. If you must change your MMSI number after entering it, you must take your radio to your Garmin® dealer for reprogramming.

The Mobile Marine Safety Identity (MMSI) number is a nine-digit code that acts as a DSC self-identification number, and it is required in order to use the DSC capabilities of your device. You can obtain an MMSI number from the telecommunications authority or ship registry for your country. In the USA, you can obtain an MMSI number from these sources.

- Federal Communications Commission (FCC): assignments are recognized internationally
- BoatU.S.®, Sea Tow®, or United States Power Squadrons®: assignments are for USA waters only

- 1 Select **MENU > DSC > MY MMSI**.
- 2 Turn **SELECT** clockwise or counter-clockwise to increase or decrease the number.
- 3 Press **SELECT** to accept the number.
- 4 Repeat steps 2 and 3 for each number in the sequence.
- 5 Select **ACCEPT**.

The device prompts you to confirm your identity.

- 6 Enter your MMSI number again, and select **ACCEPT**.
If the MMSI numbers you entered do not match, a message appears.
- 7 If necessary, select **RETRY** and enter the number again.

Automatic Transmitter Identification System

Automatic Transmitter Identification System (ATIS) is a vessel identification system used on certain inland waterways in some European countries. See your Garmin dealer to program your VHF radio if you plan to use your radio on waterways that are within the bounds of the Regional Arrangement Concerning the Radiotelephone Service on Inland Waterways (the Basel Agreement). ATIS is prohibited outside the European inland waterways that are covered by the Basel Agreement.

When you enable ATIS, your radio sends a data signal identifying your station at the end of every transmission. Data identifying your position is not sent, but your position is calculated through the method of triangulation by coastal stations that receive your transmissions.

To enable ATIS, you must enter your ATIS identification number (page 6), and turn on ATIS. See your Garmin dealer to determine your ATIS identification number and to learn about ATIS requirements for your region.

Your radio disables these functions when you enable ATIS.

- Digital Selective Calling (DSC)
- Dual watch and Tri watch
- Channel scanning

International channels 6, 8, 10, 11, 12, 13, 14, 71, 72, 74, and 77 restrict transmitting to low-power (1 W) when you enable ATIS.

Entering Your ATIS Identification Number

NOTICE

You can enter your ATIS identification number only once. If you must change your ATIS identification number after entering it, you must take your radio to your Garmin dealer for reprogramming.

- 1 Select **MENU > ATIS > MY ATIS ID**.
- 2 Turn **SELECT** clockwise or counter-clockwise to increase or decrease the number.
- 3 Press **SELECT** to accept the number.
- 4 Repeat steps 2 and 3 for each number in the sequence.
- 5 Select **ACCEPT**.
The device prompts you to reenter your number.
- 6 Enter your ATIS number again, and select **ACCEPT**.
If the ATIS numbers you entered do not match, a message appears.
- 7 If necessary, select **RETRY** and enter the number again.

Turning On and Off ATIS

- 1 Select **MENU > ATIS > ATIS**.
- 2 Select **ON** or **OFF**.
ATIS appears on the screen when ATIS is enabled.
- 3 Select an option:
 - To save your changes and return to the home screen, select **OK**.
 - To return to the home screen without saving your changes, select **MENU**.

Appendix

Contacting Garmin Product Support

- Go to www.garmin.com/support for in-country support information.
- In the USA, call 913-397-8200 or 1-800-800-1020.

- In the UK, call 0808 238 0000.
- In Europe, call +44 (0) 870 850 1241.

Cleaning the Outer Casing

NOTICE

Avoid chemical cleaners and solvents that can damage plastic components.

- 1 Clean the outer casing of the device (not the screen) using a cloth dampened with a mild detergent solution.
- 2 Wipe the device dry.

Cleaning the Screen

NOTICE

Cleaners containing ammonia will harm the anti-reflective coating.

The device is coated with a special anti-reflective coating which is very sensitive to waxes and abrasive cleaners.

- 1 Apply an eyeglass lens cleaner specified as safe for anti-reflective coatings to the cloth.
- 2 Gently wipe the screen with a soft, clean, lint-free cloth.

Getting the Owner's Manual

Go to www.garmin.com/manuals/A01653.