

# DRAFT

## GTR 200

### Pilot's Guide



# DRAFT

© 2013 Garmin Ltd. or its subsidiaries. All rights reserved.

This manual reflects the operation of System Software version 1.00, or later. Some differences in operation may be observed when comparing the information in this manual to later software versions.

Garmin International, Inc., 1200 East 151st Street, Olathe, KS 66062, U.S.A.

Tel: 913/397.8200

Fax: 913/397.8282

Garmin AT, Inc., 2345 Turner Road SE, Salem, OR 97302, U.S.A.

Tel: 503/391.3411

Fax 503/364.2138

Garmin (Europe) Ltd., Liberty House, Bulls Copse Road, Hounslow Business Park, Southampton, SO40 9RB, U.K.

Tel. +44 (0) 870 850 1243

Fax +44 (0) 238 052 4004

Garmin Corporation, No. 68, Zhangshu 2nd Road, Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Tel: 886/02.2642.9199

Fax: 886/02.2642.9099

[www.garmin.com](http://www.garmin.com)

<https://fly.garmin.com/fly-garmin>

Except as expressly provided herein, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express written permission of Garmin. Garmin hereby grants permission to download a single copy of this manual and of any revision to this manual onto a hard drive or other electronic storage medium to be viewed for personal use, provided that such electronic or printed copy of this manual or revision must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this manual or any revision hereto is strictly prohibited.

Garmin® is a registered trademarks of Garmin Ltd. or its subsidiaries. These trademarks may not be used without the express permission of Garmin.



# DRAFT

## LIMITED WARRANTY

All Garmin avionics products are warranted to be free from defects in materials or workmanship for: two years from the date of purchase for new Remote-Mount and Panel-Mount products; one year from the date of purchase for new portable products and any purchased newly-overhauled products; six months for newly-overhauled products exchanged through a Garmin Authorized Service Center; and 90 days for factory repaired or newly-overhauled products exchanged at Garmin in lieu of repair. Within the applicable period, Garmin will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not apply to: (i) cosmetic damage, such as scratches, nicks and dents; (ii) consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship; (iii) damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature or external causes; (iv) damage caused by service performed by anyone who is not an authorized service provider of Garmin; or (v) damage to a product that has been modified or altered without the written permission of Garmin. In addition, Garmin reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL GARMIN BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Garmin retains the exclusive right to repair or replace (with a new or newly-overhauled replacement product) the product or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

**Online Auction Purchases:** Products purchased through online auctions are not eligible for warranty coverage. Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the

sales receipt from the original retailer is required. Garmin will not replace missing components from any package purchased through an online auction.

**International Purchases:** A separate warranty may be provided by international distributors for devices purchased outside the United States depending on the country. If applicable, this warranty is provided by the local in-country distributor and this distributor provides local service for your device. Distributor warranties are only valid in the area of intended distribution. Devices purchased in the United States or Canada must be returned to the Garmin service center in the United Kingdom, the United States, Canada, or Taiwan for service.

To obtain warranty service, contact your local Garmin Authorized Service Center. For assistance in locating a Service Center near you, visit the Garmin web site at <http://www.garmin.com> or contact Garmin Customer Service at 866-739-5687.



**WARNING:** For safety reasons, GTR 200 operational procedures must be learned on the ground.

---



**CAUTION:** The Garmin GTR 200 does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could void both the warranty and the pilot's authority to operate this device under FAA/FCC regulations.

---



**CAUTION:** The GTR 200 display uses a lens coated with a special anti-reflective coating that is very sensitive to skin oils, waxes, and abrasive cleaners. **CLEANERS CONTAINING AMMONIA WILL HARM THE ANTI-REFLECTIVE COATING.** It is very important to clean the lens using a clean, lint-free cloth and an eyeglass lens cleaner that is specified as safe for anti-reflective coatings.

---



**NOTE:** All visual depictions contained within this document, including screen images of the GTR 200 bezel and displays, are subject to change and may not reflect the most current GTR 200 software. Depictions of equipment may differ slightly from the actual equipment.

---



**NOTE:** 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.

---



**NOTE.** *This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This notice is being provided in accordance with California's Proposition 65. If you have any questions or would like additional information, please refer to our web site at [www.garmin.com/prop65](http://www.garmin.com/prop65).*

NOTE: This device complies with Part 15 of the FCC limits for Class B digital devices.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Furthermore, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference, the user is encouraged to try to correct the interference by relocating the equipment or connecting the equipment to a different circuit than the affected equipment. Consult an authorized dealer or other qualified avionics technician for additional help if these remedies do not correct the problem.

Operation of this device is subject to the following 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.

To obtain accessories for your unit, please contact Garmin.

Help us better support you by completing our on-line registration form today! Registration ensures that you will be notified of product updates and new products and provides lost or stolen unit tracking. Please, have the serial number of your unit handy, connect to our web site ([www.garmin.com](http://www.garmin.com)) and look for our Product Registration link on the Home page.

The display surface is coated with a special anti-reflective coating which is very sensitive to skin oils, waxes and abrasive cleaners. It is very important to clean the lens using an eyeglass lens cleaner which is specified as safe for anti-reflective coatings and a clean, lint-free cloth.

# DRAFT

## PRODUCT REGISTRATION AND SUPPORT

---

Help us better support you by completing your online registration today! Have the serial number of your product handy and connect to the Garmin web site ([www.garmin.com](http://www.garmin.com) or <https://fly.garmin.com/fly-garmin>). Look for the Product Registration link on the Home page. Also, be sure to record your serial number in the space provided.

If you have any questions, the Garmin Product Support department may be reached Monday through Friday, 7:00 AM to 7:00 PM Central Time.

US: 913-397-8200

US Toll Free: 1-866-739-5687

Canada Toll Free: 1-866-429-9296

Record of Revisions			
Part Number	Revision	Date	Description
190-01553-01	1TP	05/2013	Experimental release

# DRAFT

## TABLE OF CONTENTS

<b>DESCRIPTION</b> .....	9
<b>Controls</b> .....	10
Softkeys.....	11
<b>BASIC OPERATION</b> .....	12
<b>Power-UP</b> .....	12
<b>Com Radio</b> .....	12
Selecting a Com Frequency:.....	12
Standby Com Channel Monitoring.....	13
Monitoring the Standby COM Channel:.....	13
Com Frequency Storage.....	13
Saving a COM Frequency:.....	13
Editing a Saved COM Frequency:.....	14
Accessing the COM Frequency List:.....	15
<b>Emergency Channel</b> .....	16
Quick Tuning the Emergency Channel:.....	16
<b>Stuck Mic</b> .....	16
<b>MENU</b> .....	17
Accessing/Using the Main Menu:.....	17
<b>Setup</b> .....	17
Accessing/Using the SETUP Menu:.....	18
3D Audio.....	18
Enabling/Disabling 3D Audio:.....	19
<b>About</b> .....	20
Accessing the ABOUT Menu:.....	20
<b>ICS CONFIGURATION</b> .....	21
Setting the ICS Volume:.....	21
Setting the ICS Squelch:.....	21
Enable/disable Pilot Isolation:.....	21
<b>APPENDIX</b> .....	22
<b>Troubleshooting</b> .....	22
<b>Messages</b> .....	24

# DRAFT

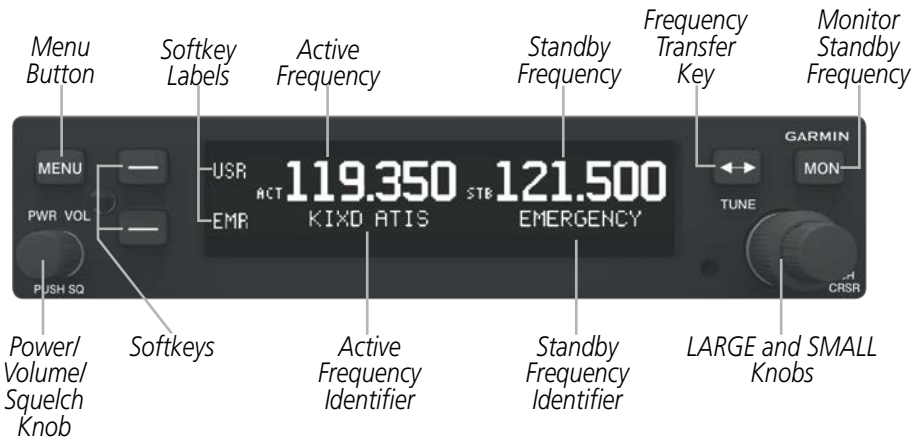
Blank Page



## DESCRIPTION

The GTR 200 Com Radio series provides a powerful VHF communications transceiver in a small footprint at a very affordable price. Besides traditional Com features, the GTR 200 series also incorporates workload-reducing functions such as most-used frequency storage in memory.

The GTR 200 series has the ability to monitor the standby Com frequencies. The GTR 200 (10 watt) Com radio operates in the aviation voice band, from 118.000 to 136.975 MHz, in 25 kHz steps.



GTR 200 Front Panel

## CONTROLS

Control	Description
<b>Menu Button</b>	Press to view <b>Menu</b> options on the right side of the screen. (ICS VOL, ICS SQ, 🎵 VOL, SETUP and ABOUT).
<b>Power/Volume/Squelch Knob</b>	<p>The <b>Power/Volume/Squelch</b> knob located in the bottom left corner of the bezel controls audio volume for the Com radio. Rotating the knob clockwise past the detent turns power on and counter-clockwise turns power off. When the Com radio is active, press the <b>Power/Volume/Squelch</b> knob to toggle automatic squelch control On/Off for the Com radio.</p> <p>The GTR 200 features an automatic squelch that rejects many localized noise sources. You may override the squelch function by pressing the <b>Power/Volume/Squelch</b> knob. This facilitates listening to a distant station or setting the desired volume level.</p> <p>To override the automatic squelch, press the <b>Power/Volume/Squelch</b> knob momentarily. Press the <b>Power/Volume/Squelch</b> knob again to return to automatic squelch operation. A "SQ" indication appears to the left of the active Com frequency window in the upper left corner of the display when automatic squelch is overridden.</p>
<b>Softkeys</b>	User-defined Softkeys, defined in config mode (PILOT PTT ( <b>Ptt</b> ), MUSIC ON/OFF (🎵), USER LIST ( <b>USR</b> ), Pilot Isolation ( <b>ISO</b> ) or TUNE EMERGENCY ( <b>EMR</b> )). Softkeys are also used for menu navigation.
<b>Softkey Labels</b>	User-defined Softkey Labels, defined in config mode.
<b>Active Frequency</b>	Active Frequency.
<b>Active Frequency Identifier</b>	Active Frequency Identifier. Four letter ICAO identifier followed by the three or four letter Frequency Type.
<b>Standby Frequency</b>	Standby Frequency.

Control	Description
<b>Standby Frequency Identifier</b>	Standby Frequency Identifier. Four letter ICAO identifier followed by the three or four letter Frequency Type.
<b>Frequency Transfer (FLIP/FLOP) Key</b>	Press and release the <b>FLIP/FLOP</b> key to switch between the active (left-most) and standby (right-most) frequency. Switching between Com frequencies is disabled while transmitting. Press and hold the <b>FLIP/FLOP</b> Key for approximately three seconds to tune the emergency frequency (121.500 MHz).
<b>Monitor Standby Frequency Key</b>	The <b>MON</b> (Monitor) key will engage the monitor function where the Standby frequency may be monitored while still listening to the Active frequency.
<b>LARGE and SMALL Knobs</b>	The <b>LARGE right</b> (MHz) and <b>SMALL right</b> (kHz) knobs are used for tuning frequencies and data entry. Press to activate the cursor.

## SOFTKEYS

The GTR 200 features two User-defined softkeys. Softkeys are defined in Config Mode, see the GTR 200 Installation Manual for information on accessing Config Mode. Softkeys can be disabled or assigned to one of the following:

- **PILOT PTT** (**PTT**) - Pilot Push-to-Talk can be used in place of or as a back up to a remote Push-to-Talk switch.
- **MUSIC ON/OFF** (**M**) - Turns music input ON/OFF. N/A when Intercom is configured off. Press and hold to toggle COM Mute Music
- **USER LIST** (**USR**) - Provides quick access to the Com User Frequencies.
- **PILOT ISOLATION** (**ISO**) - Isolates the Pilot from ICS communication. N/A when Intercom is configured off.
- **TUNE EMERGENCY** (**EMR**) - Quickly tunes and activates the emergency frequency (121.500 MHz).

## BASIC OPERATION

### POWER-UP

Turn the GTR 200 on by either turning the **Power/Volume/Squelch** knob clockwise or, if installed, turning on the master switch that powers the radios.

### COM RADIO

New frequencies are first selected as a Standby frequency and then toggled to the Active side with the **FLIP/FLOP** key. While viewing the Standby frequency display, use the **LARGE** and **SMALL** knobs on the right side of the GTR 200 to select the desired frequency. Turn the **LARGE** and **SMALL** knobs, clockwise to increase and counterclockwise to decrease frequency values. Standby frequency selections is not inhibited during transmit.

When connected to a device that provides nearby frequency information, nearby station identifiers will be shown for the selected frequency.



*Identifier and Type Shown  
For The Selected Frequency*

#### Com Frequency Selection

##### Selecting a Com Frequency:

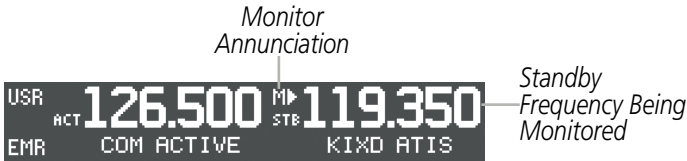
- 1) Turn the **LARGE** Knob to change the value in one MHz increments.
- 2) Turn the **SMALL** Knob to change the value in 25 kHz increments.
- 3) Press the **FLIP/FLOP** Key to toggle the Standby frequency to the Active frequency.

## STANDBY COM CHANNEL MONITORING

The Frequency Monitoring function allows you to monitor the Standby frequency for activity, while listening to the Active frequency. When the Active frequency receives a signal, the unit will switch automatically to the Active frequency. The Active frequency quality is not affected.

### Monitoring the Standby COM Channel:

Press the **MON** Key, to listen to the Standby frequency. A small 'M▶' is displayed above the 'STB' to the left of the Standby frequency. Press the **MON** Key again to stop monitoring.



Com Frequency Monitor Annunciation

## COM FREQUENCY STORAGE

Any frequency may be saved into the Com User Frequency database. The Com User Frequency database can hold up to 10 frequencies. Press the **USR** Softkey or Press the **SMALL** Knob to access User Frequencies.

### Saving a COM Frequency:

- 1) Press the **SMALL** Knob twice or the **USR** Softkey once if configured.
- 2) Turn the **LARGE** Knob to move the cursor to highlight EDIT and press the **SMALL** Knob to select EDIT.



- 3) Turn the **LARGE** Knob to highlight ADD and press the **SMALL** Knob to select ADD.

- 4) Turn the **SMALL** Knob to select a character, turn the **LARGE** Knob to move the cursor to the next field.



- 5) Press the **SMALL** Knob to accept the name entry.
- 6) Turn the **LARGE** Knob to move the cursor to the FREQ Field.
- 7) Turn the **SMALL** Knob to tune the desired MHz value.
- 8) Turn the **LARGE** Knob to move the cursor to the kHz Field.



- 9) Turn the **SMALL** Knob to tune the desired kHz value.
- 10) Press the **SMALL** Knob to accept entry.
- 11) Turn the **LARGE** Knob to highlight SAVE and press the **SMALL** Knob to Save.

### Editing a Saved COM Frequency:

- 1) Press the **SMALL** Knob twice or the **USR** Softkey if configured.
- 2) Turn the **LARGE** Knob to move the cursor to highlight EDIT and press the **SMALL** Knob to select EDIT.
- 3) Turn the **LARGE** Knob to highlight EDIT for the desired entry and press the **SMALL** Knob to select.



- 4) Turn the **SMALL** Knob to begin editing, turn the **LARGE** Knob to move the cursor to the next field.
- 5) Press the **SMALL** Knob to accept the name entry.

- 6) Turn the **LARGE** Knob to move the cursor to the **FREQ** Field.
- 7) Turn the **SMALL** Knob to tune the desired MHz value.
- 8) Turn the **LARGE** Knob to move the cursor to the **kHz** Field.
- 9) Turn the **SMALL** Knob to tune the desired kHz value.
- 10) Press the **SMALL** Knob to accept entry.
- 11) Turn the **LARGE** Knob to highlight **SAVE** or **DELETE** and press the **SMALL** Knob to save, or delete the entry, or press the **CANCEL** Softkey to cancel and exit.

### Accessing the COM Frequency List:

- 1) Press the **SMALL** knob from the Com display to activate the Frequency List.



### COM Frequency List

- 2) Turn the **LARGE** knob to select a list option.
  - **USER** - select to view the Com User Frequency List.
  - **RECENT** - select to view a list of the 10 most recently used frequencies.
  - **KXXX** - When connected to a device that supplies nearby frequencies, up-to 10 of the nearest airport identifiers are shown.
- 3) Press the **SMALL** Knob to view the selected list.
- 4) Turn the **LARGE** Knob to move the cursor to the desired frequency.
- 5) Press the **SMALL** Knob to tune the highlighted frequency as the Standby frequency. Press the **FLIP/FLOP** key to tune as the Active Frequency.

## EMERGENCY CHANNEL

---

When a COM tuning failure is detected, the emergency frequency (121.500 MHz) is automatically loaded into the active frequency field of the GTR 200. The GTR 200 will also quick tune the Emergency Channel when the **FLIP/FLOP** Key is held down for approximately three seconds.

### Quick Tuning the Emergency Channel:

Press and hold the **FLIP/FLOP** Key for approximately three seconds or press the **EMR** Softkey if configured. The Emergency Channel will be inserted into the Active Frequency position and the previous Active Frequency, will become the Standby Frequency.

## STUCK MIC

---

The GTR 200 helps protect you from a situation where the microphone may get stuck in the ON or Transmit position. If the microphone is keyed for longer than 35 seconds, the GTR 200 will return to the receive mode on the selected frequency.

A “Stuck Mic” message will display until the transmit key is released. Alerts will display until the error clears.



USR    ACT    135.350    STB    121.500  
EMR    PILOT PTT KEY STUCK

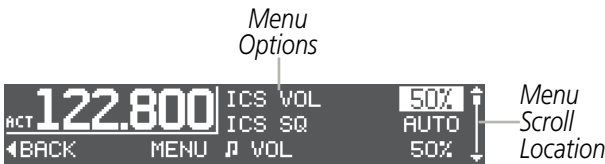


# MENU

The Menu provides configuration options for the Internal Communications System (ICS VOL, and ICS SQ) (if configured), Music 🎵 VOL, SETUP, and ABOUT.

## Accessing/Using the Main Menu:

Press the **MENU** Key to access the Menu. Use the **LARGE** Knob to navigate the menu and **SMALL** Knob to make a selection or adjust the level. Press **BACK** softkey to return to the previous screen.



Main Menu

# SETUP

The SETUP menu provides configuration options for music muting (COM MUTE 🎵), ICS muting (COM ICS MUTE), 3D Audio options (COM 3D AUDIO, and ICS 3D AUDIO), KEY BEEPS and Display CONTRAST level.



SETUP Menu

- **COM MUTE 🎵 (ON/OFF)** - When ON, music will be muted when communication is received. Only available when ICS is configured.
- **COM ICS MUTE (ON/OFF)** - When ON, ICS communication will be muted when communication is received. Only available when ICS is configured.

- **COM 3D AUDIO (ON/OFF)** - When ON, 3D audio is enabled for received transmissions when Standby COM Channel monitoring is active. Only available when ICS is configured.
- **ICS 3D AUDIO (ON/OFF)** - When ON, 3D audio is enabled for ICS communication. Only available when ICS is configured.
- **KEY BEEPS (ON/OFF)** - When ON, Key Beeps will be heard when any key is pressed.
- **CONTRAST (-10 to +10)** - Adjusts the display contrast level.

### Accessing/Using the SETUP Menu:

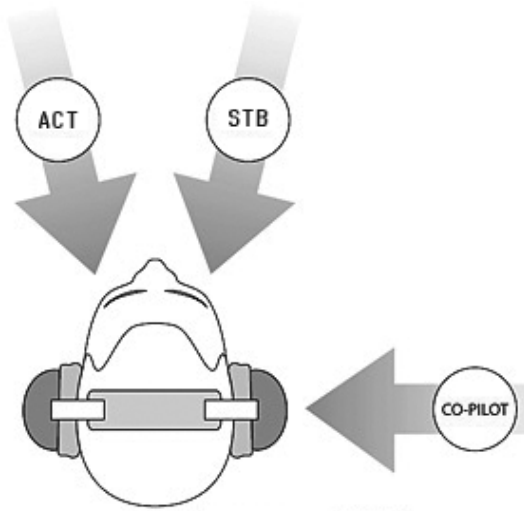
- 1) Press the **MENU** key.
- 2) Turn the **LARGE** Knob to highlight SETUP and press the **SMALL** Knob.
- 3) Turn the **LARGE** Knob to navigate. Turn or Press the **SMALL** Knob to change a selection.
- 4) Press the **BACK** Softkey to return to the Main Menu.

## 3D AUDIO

3D Audio is useful when multiple audio sources are present. By using different responses in each ear, 3D audio processing creates the illusion that each audio source is coming from a unique location or seat position.

Because this feature uses different signals for left and right channels, it requires wiring for stereo intercom and stereo headsets. If 3D audio is activated when mono headsets are in use, the listener will still hear all audio sources; however, there is no benefit from location separation.

During normal operation and with 3D Audio enabled, the listener hears the Active Frequency at the 12 o'clock position. If the Standby is selected for monitoring, the listener hears the Active at 11 o'clock and the Standby at the 1 o'clock position. Intercom positions are processed to sound like their relative seat location. By default, the GTR 200 assumes the pilot sits in the left seat.



### 3D Audio

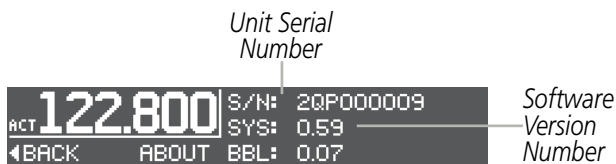
#### Enabling/Disabling 3D Audio:

- 1) Press the **MENU** key.
- 2) Turn the **LARGE** Knob to highlight **SETUP** and press the **SMALL** Knob.
- 3) Turn the **LARGE** Knob to navigate to **COM 3D AUDIO** or **ICS 3D AUDIO**. Turn the **SMALL** Knob to toggle **ON/OFF**.
- 4) Press the **BACK** Softkey to return to the Main Menu.

## ABOUT

---

The ABOUT screen shows the unit Serial Number, and System Software version number.



### ABOUT Menu

#### Accessing the ABOUT Menu:

- 1) Press the **MENU** key.
- 2) Turn the **LARGE** Knob to highlight ABOUT and press the **SMALL** Knob.
- 3) Press the **BACK** Softkey to return to the Main Menu.

## ICS CONFIGURATION

The GTR 200 features an integrated Internal Communications System (ICS). The ICS is enabled or disabled in Config Mode. See the GTR 200 Installation Manual for details.

### Setting the ICS Volume:

- 1) Press the **MENU** key.
- 2) Turn the **LARGE** Knob to highlight the **ICS VOL** field.
- 3) Turn the **SMALL** Knob clockwise to increase, or counter clockwise to decrease volume.



### Setting the ICS Squelch:

- 1) Press the **MENU** key.
- 2) Turn the **LARGE** Knob to highlight the **ICS SQ** field.
- 3) Turn the **SMALL** Knob clockwise to increase, or counter clockwise to decrease squelch. Turn the **SMALL** Knob one click past 0% to enable ICS auto squelch.

### Enable/disable Pilot Isolation:

Press the Pilot Isolation **ISO** Softkey if configured. Pilot Isolation mode is only available when the Pilot Isolation Softkey is configured.

## APPENDIX

### TROUBLESHOOTING

Problem	Possible Cause	Action
GTR 200 does not power on	No power to the GTR 200	Check power connections, breakers, and main avionics switch
	Faulty electrical wiring or connection	Perform electrical system test
GTR 200 does not transmit	No power to Com	Check power connections
	Mic key connection	Check Mic key input connection
Intercom doesn't function	It can be enabled or disabled via configuration mode	Check connections
	No voice activation, or if must talk too loud	Check ICS SQ and ICS VOL levels on the menu page

If efforts to resolve the problem fail, Garmin customer service staff will gladly assist you.

Please have the following information ready:

- System configuration (products, antennas, mounting locations, etc.)
- Model No., part number, and serial number
- Software versions
- Description of the problem
- Efforts made to isolate/solve the problem

Garmin International, Inc.  
Aviation Products Customer Service Department  
1200 East 151st Street  
Olathe, KS 66062-3426 USA

If you have any questions, the Garmin Product Support department may be reached Monday through Friday, 7:00 AM to 7:00 PM Central Time.

US: 913-397-8200

US Toll Free: 1-866-739-5687

Canada Toll Free: 1-866-429-9296

e-mail: [aviation.support@garmin.com](mailto:aviation.support@garmin.com).

<http://www.garmin.com>

<https://fly.garmin.com/fly-garmin>

## MESSAGES

When a Message has been issued by the unit, the Message will be shown on the display. Messages provide an aid to troubleshooting system operation.

Message	Description	Action
<b>VOLUME KEY IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>SOFTKEY #1 IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>SOFTKEY #2 IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>FREQ SWAP KEY IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>MENU KEY IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>ROTARY KNOB KEY IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.



Message	Description	Action
<b>MON KEY IS STUCK</b>	The key has been in the pressed position for at least 30 seconds. This key will now be ignored.	Contact Garmin for service if this message persists.
<b>MULTIPLE KEYS STUCK</b>	Multiple keys have been in the pressed position for at least 30 seconds. These keys will now be ignored.	Contact Garmin for service if this message persists.
<b>PILOT PTT KEY STUCK</b>	The Pilot Push To Talk key/switch has been in the pressed position for at least 35 seconds. This key will now be ignored.	Verify Push To Talk key/switch is not stuck. Contact Garmin for service if this message persists.
<b>COPILOT PTT KEY STUCK</b>	The Copilot Push To Talk key/switch has been in the pressed position for at least 35 seconds. This key will now be ignored.	Verify Push To Talk key/switch is not stuck. Contact Garmin for service if this message persists.
<b>BOTH PTT KEY STUCK</b>	Both Push To Talk key/switches have been in the pressed position for at least 35 seconds. These keys will now be ignored.	Verify Push To Talk key/switches are not stuck. Contact Garmin for service if this message persists.
<b>TX HARDWARE FAULT</b>	An internal hardware problem is preventing COM transmission.	Contact Garmin for service if this message persists.
<b>MULTIPLE HARDWARE FAULT</b>	More than one of the above conditions is active.	Verify Push To Talk key/switches are not stuck. Contact Garmin for service if this message persists.

Blank Page



# DRAFT



Garmin International, Inc.  
1200 East 151st Street  
Olathe, KS 66062, U.S.A.  
Toll free: 800.800.1020 or  
866.739.5687  
p: 913.397.8200  
f: 913.397.8282

Garmin AT, Inc.  
2345 Turner Road SE  
Salem, OR 97302, U.S.A.  
Toll free: 800.525.6726  
p: 503.391.3411  
f: 503.364.2138

Garmin (Europe) Ltd  
Liberty House, Bulls Copse Road  
Hounslow Business Park  
Southampton, SO40 9RB, U.K.  
Toll free (within U.K.) 0808.2380000  
p: 44/0870.8501241  
f: 44/0870.8501251

Garmin Corporation  
No. 68, Jangshu 2nd Road  
Shijr, Taipei County, Taiwan  
p: 886/2.2642.9199  
f: 886/2.2642.9099

[www.garmin.com](http://www.garmin.com)