

## **Supplement No. 008**

# **Garmin GTR 225A COM**

Airplane Serial Number:

Airplane Registration Number:

Date of Issue **10. 02. 2016**

This Supplement must be attached to the POH when the Garmin GTR 225A COMM is installed in accordance with the manufacturer's approved documentation.

Information in this Supplement completes or replaces information in the basic POH for the below mentioned parts only. Limitations, procedures and information not mentioned in this Supplement and included in the basic POH stay valid.

This Supplement completes information necessary for the airplane operation with equipment installed on the airplane. This Supplement is a permanent part of this POH and must remain in this POH at all times when the GTR 225A COMM is installed.

This supplement is EASA approved under

Approval No.:

Approval Date:

## RECORD OF REVISIONS

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**Chapter 1 GENERAL INFORMATION**

The airplane is equipped with Garmin GTR 225A COMM radio. The GTR 225A COMM operates in the aviation voice band, from 118.000 to 136.975 MHz, in 25 kHz steps (default). For European operations, a Com radio configuration of 8.33 kHz steps from 118.000 to 136.992 MHz is also available.

Garmin GTR 225A COMM has ETSO Authorization No. EASA.IM.210.10043491, dated 04/02/2013.

**Chapter 2 LIMITATIONS****2.15 OTHER LIMITATIONS**

The Garmin GTR 225/225A/225B Pilot's Guide, P/N 190-01182-00 (revision A or later) must be available for the flight.

**Chapter 3 EMERGENCY PROCEDURES**

In case of emergency flight conditions, the standard emergency channel (121.50 MHz) is stored in the Com memory of the GTR 225A COMM.

1.	Flip/Flop key	Press and hold for approx. two second
2.	Message	Listen or send

**Chapter 4 NORMAL PROCEDURES**

No change.

**Chapter 5 PERFORMANCE**

No change.

**Chapter 6 WEIGHT AND BALANCE AND EQUIPMENT LIST**

Upon removal or installation of the Garmin GTR 225A COMM the change of empty weight and corresponding center of gravity of the airplane must be recorded according to Chapter 6 of the POH.

**Chapter 7 DESCRIPTION OF AIRPLANE AND SYSTEMS****NOTE**

Refer to the Garmin GTR 225/225A/225B Pilot's Guide, P/N 190-01182-00 (revision A or later) for complete operating procedures.

## GARMIN GTR 225A COMM DESCRIPTION

Garmin GTR 225A COMM radio (Fig. 9-1) is a powerful VHF communications transmitter. The GTR 225A COMM operates in the aviation voice band, from 118.000 to 136.975 MHz, in 25 kHz steps (default). For European operations, a Com radio configuration of 8.33 kHz steps 118.000 to 136.992 MHz is also available.

Refer to the Garmin GTR 225/225A/225B Pilot's Guide, P/N 190-01182-00 (revision A or later) for complete descriptions of the Garmin GTR 225A COMM.

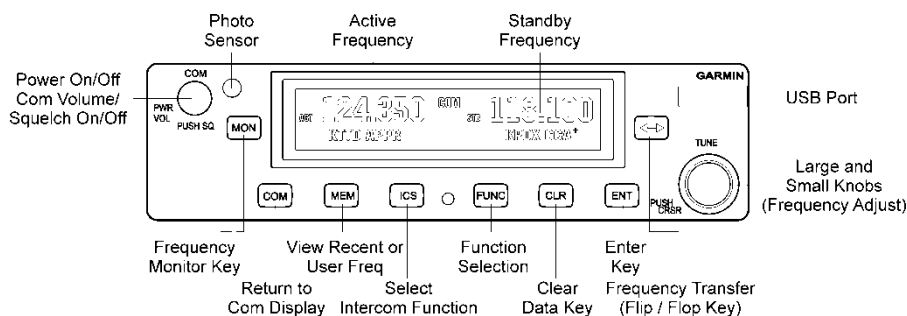


Fig. 9 - 1 Garmin GTR 225A COMM

### GTR 225A Controls

#### Power/Com Volume/Squelch Knob

The Power/Com Volume/Squelch knob located in the top 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 Power/Com Volume/Squelch knob to toggle automatic squelch control On/Off for the Com radio.

The Com radio features an automatic squelch to reject many localized noise sources. You may override the squelch function by pressing the Power/Com Volume/Squelch knob. This facilitates listening to a distant station or setting the desired volume level.

To override the automatic squelch, press the Power/Com Volume/Squelch knob momentarily. Press the Power/Com Volume/Squelch 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.

#### Large/Small Concentric Knobs

The Large right and Small right knobs are used for tuning frequencies and data entry.

#### Flip/Flop Key

Press and release the Flip/Flop key to switch between the active (left-most) and standby (right-most) frequency. Switching between Com frequencies is disabled while you are transmitting.

#### COM Key

Press the **COM** key to return to the Com radio mode.

#### MEM Key

Press the **MEM** key to recall and toggle between the Com Recent and User Frequency Lists.

#### ICS Key

Press the **ICS** key to toggle display of the ICS settings for Intercom On / Off, AUX Audio, or the Intercom settings.

#### FUNC (Function) Key

The **FUNC** (Function) key accesses function categories for the following: the Com Radio, ICS Configuration, System Configuration, and Timer. Pressing the **FUNC** key once displays the Function mode. Pressing the **FUNC** key a second time exits the Function mode.

#### CLR Key

Pressing the **CLR** key erases information, cancels entries, and resets timers.

#### ENT Key

Press the **ENT** key to save selected values, to confirm a prompt, or to save the Standby frequency.

#### MON (Monitor) Key

The **MON** (Monitor) key will engage the monitor function where the Standby frequency may be monitored while still listening to the Active frequency.

#### USB Port

The USB port is used to update the frequency database in the GTR 225.

### GARMIN GTR 225A COMM OPERATION

#### POWER ON

1.	<b>MASTER SWITCH</b>	ON
2.	<b>AVIONICS</b>	ON
3.	Power/Com Volume/ Squelch Knob	Rotate clockwise past the detent

#### COM SPACING

Com spacing may be selected between 8.33 kHz and 25 kHz to allow for regional requirements.

#### NOTE

When switching from 8.33 kHz to 25 kHz mode, any 8.33 kHz-specific user frequencies will be deleted from the user frequency list. This only affects the user frequencies within the 8.33 kHz spectrum.

1.	<b>FUNC</b> key	Press
2.	Large knob	Turn to select the SYS Function
3.	Small knob	Turn to view the Com spacing function
4.	<b>ENT</b> key	Press
5.	Small knob	Turn to set the Com spacing
6.	<b>ENT</b> key	Press

#### SELECTING A COM FREQUENCY

1.	<b>COM</b> key	Press to reach the Com radio function, if necessary
2.	Large knob	Turn to change the values in one MHz increments
3.	Small knob	Turn to change the values in 25 kHz or 8.33 kHz increments
4.	Large/Small knobs	Turn clockwise to increase / counter clockwise to decrease the frequency values
5.	Flip/Flop key	Press and release to toggle the Standby frequency to the Active frequency

## MONITORING THE STANDBY COM CHANNEL

1. <b>MON</b> key	Press to listen to the standby frequency; small "MN" will replace the "STB" to the left of the Standby frequency
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## SAVING A COM CHANNEL

1. <b>ENT</b> key	Press the Standby frequency is selected and the Waypoint name field will be active
2. Small knob	Turn to select characters
3. Large knob	Turn to move the cursor
4. <b>ENT</b> key	Press after selecting the desired characters
5. Large knob	Turn to select the waypoint Type
6. Small knob	Turn to select the Type from the list
7. <b>ENT</b> key	Press after making a selection

## COM DATABASE LOOK-UP

1. CURSOR knob	Press from the Com display to activate the database look-up function
2. Small knob	To select characters and turn the Large knob to move the cursor
3. <b>ENT</b> key	Press after selecting the desired characters. Turn the Small knob to scroll through the list of waypoint types; waypoint Types with a "+" sign will have more frequencies for the same type After selection, the selected waypoint and type will be remembered for 30 minutes
4. <b>ENT</b> key	To copy the frequency into the Standby frequency location; press and release the Flip/Flop key to swap the Active and Standby frequencies

## POWER OFF

1. Power/Com Volume/Squelch Knob	Rotate counter clockwise past the detent
2. <b>AVIONICS</b>	OFF
3. <b>MASTER SWITCH</b>	OFF

## Chapter 8 HANDLING AND SERVICING

No change.