

GRC 10

User's Guide



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Notes and Cautions



CAUTION: *Stow the GRC 10 in a secure location (i.e., glove box, seat back pocket, etc.) when it is not in use to prevent damage to the aircraft interior or injury to occupants caused by aircraft maneuvers.*



NOTE: *This device complies with part 15 of the FCC Rules. Operation 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.*



NOTE: *This device does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.*



Other transmitting systems which may exist in the aircraft:
CAUTION: *Bluetooth and other non-aviation transmitters require separate authorization for use in an aircraft. If they are present, note that interference from such devices may degrade the performance of the GRT10/GRC 10 wireless remote system.*



NOTE: Operators may use STC SA01487SE qualification of the GRC/GRT 10 as a basis for showing compliance with 14 CFR Part 91.21.



NOTE: This device has been approved for use in the USA and Canada only.



NOTE: The USB port is for factory use only.

Introduction

The GRC 10 is a remote control for the XM radio function of the GDL 69A. The GRC 10 uses a radio link and does not need to be pointed at the receiver. The GRC 10 range is approximately 10 m (30 feet) and should work anywhere in the cabin.

System Info

System information about the GRC 10 is available from the Menu page. Information includes: GRC 10 Software Versions, GRT 10 Software Versions, and the RF Pairing ID. The GRC 10 serial number is located under the batteries.

To view System Info

1. Press the **MENU** key.
2. Press the ▲ or ▼ key to highlight the System info menu selection.
3. Press the ► key to show the System info.
4. Press **MENU**, **XM**, or one of the arrow keys to return to the Menu.

Caring for the GRC 10

The GRC 10 is constructed of high quality materials and does not require user maintenance other than cleaning. Clean the unit using a cloth dampened with mild detergent solution and then wipe dry. Avoid chemical cleaners and solvents that may damage plastic components.

Battery Installation

The GRC 10 requires two AA batteries (included). Remove the battery lid, located in the back of the unit, by pressing down and pulling out the tab. Alkaline batteries are recommended, but NiCd or NiMH batteries may be used. Stored data is not lost when batteries are removed. Install the batteries, observing the polarity diagram printed on the label inside the battery compartment. If the unit does not turn on, or the battery level show no bars, replace the batteries.



CAUTION: When replacing batteries, use only new or fully charged batteries. Do not mix new and old batteries as this can cause battery leakage and damage to the unit. Do not mix battery types.



CAUTION: Remove batteries if the unit will not be in use for several months. Storing batteries in the unit for prolonged periods may result in leakage and damage to the battery compartment.



WARNING: Follow the manufacturer's instructions for proper care and disposal of batteries. Do not incinerate used batteries, as internal materials may ignite with explosive violence.



WARNING: Do not use lithium batteries in the GRC 10.

PREV

Select the previous channel.

XM (Enter)

Press to confirm selection.

Photosensor

Controls auto-backlight.

MENU

Displays the menu.

▲
Scroll up
/Preceding
channel.

◀
Page or select
left.

—
Decreases
audio volume.

**PSET**

Displays the Preset channels.

▶
Page or select
right.

▼
Scroll down/next
channel.

+
Increases audio
volume.

MUTE

Toggles the audio on/off.

Power On

1. Turn on the GRC 10 by pressing and releasing any key.
2. A Power Up Page briefly appears followed by a display of the active channel information. The station list is loaded in the background and will be available when the XM radio has the complete list.

Power Off

The unit will automatically turn off after a period of inactivity. The auto-off time is adjustable on the Menu page.

To turn the unit off manually

1. Press the **MENU** key.
2. Press the **▲** or **▼** key to highlight the Power down menu selection and press the **XM (Enter)** key.

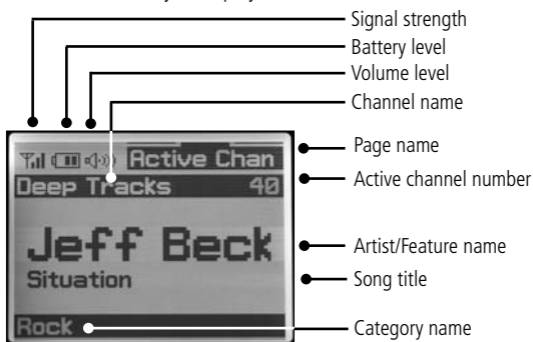
Page Navigation

Press the ◀ or ▶ key to move through the pages: Channels, Active Channel, and Categories.

Press the ▲ or ▼ key to move up and down through the list of the current function to highlight the desired item.

Active Channel Page

Press the ◀ or ▶ key to display the Active channel information.



The large text in the middle of the display does not always fit. The text will automatically scroll once to make it readable. Press the **XM (Enter)** key to continue scrolling.



NOTE: The battery level indicator will not be accurate with rechargeable batteries.

Font Size

The Artist/Feature name may have a large or small font. The Artist/Feature name will not scroll when the Large font is off. Large font off increases battery life.

1. Press the **MENU** key.
2. Press the ▲ or ▼ key to highlight the Large Font menu selection.
3. Press the ◀ or ▶ keys to toggle between Large Font On or Off.
4. Press **MENU**, **XM**, or one of the arrow keys to return to the Menu.

Category Page

Categories of channels, such as Jazz, Rock, Sports, or News, can be selected to list the available channels for a type of music or other contents.



Category List

To select a Category

1. Press the ◀ or ▶ key to display the Category list.
2. Use the ▲ or ▼ key to highlight the desired Category.
3. Press the **XM (Enter)** key to display the channels in the highlighted Category.

Channel Page

The Channel page allows you to select a channel from the full channel list or the selected category channel list.



Full Channel List

To select a Channel

1. Press the ◀ or ▶ key to display the Channel list.
2. Use the ▲ or ▼ key to highlight the desired Channel.
3. Press the **XM (Enter)** key to select the highlighted Channel.

Adjusting the LCD Contrast

If the display is difficult to read, you may adjust the LCD Contrast.

To adjust the LCD Contrast

1. Press the **MENU** key.
2. Press the ▲ or ▼ key to highlight the Contrast menu selection.
3. Press the ◀ or ▶ key to increase or decrease the LCD Contrast level. Press and release quickly for small increments or press and hold to scroll rapidly.

Backlight

Both the display and keypad are backlit. The GRC 10 uses a photosensor that is located in the round window above the **PSET** key. The photosensor measures the ambient light conditions to determine the need for backlighting. You can force the backlight on by covering the photosensor window, however this will reduce battery life. Extensive use of backlighting will significantly reduce battery life.

When the batteries are low, the keypad backlight will not turn on.

Setting the Auto-Off Time

The Auto-Off Time setting allows you to set values of 10, 30, or 60 minutes to help save power.

To adjust the Auto-Off Time

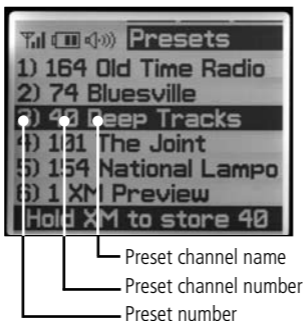
1. Press the **MENU** key.
2. Press the ▲ or ▼ key to highlight the Auto-Off menu selection.
3. Press the ◀ or ▶ key to increase or decrease the Auto-Off period.

Previous Channel

Pressing the **PREV** key will toggle between the current channel and the previously selected channel.

Preset Channels

The **PSET (Preset)** key allows you to store up to 15 favorite channels to a selected Preset number. The presets are stored in the GDL 69A so they can be accessed from the cockpit display.




To store a Preset Channel

1. Press the **PSET** key.
2. Press the ▲ or ▼ key to highlight the desired Preset (1 - 15) number.
3. Press and hold the **XM (Enter)** key until the message "Storing Preset" is displayed.

To select a Preset Channel

1. Press the **PSET** key.
2. Press the ▲ or ▼ key to highlight the desired Preset (1 - 15) number.
3. Press the **XM (Enter)** key briefly to select the highlighted channel.

Setting Volume

The + and - keys at the bottom of the unit allow you to set the volume for the system. The volume +, volume -, and mute keys may not function in all installations since the volume may be configured to be adjusted individually at each headset. A message will be displayed if the volume control is disabled and a lock icon will appear in the volume location .

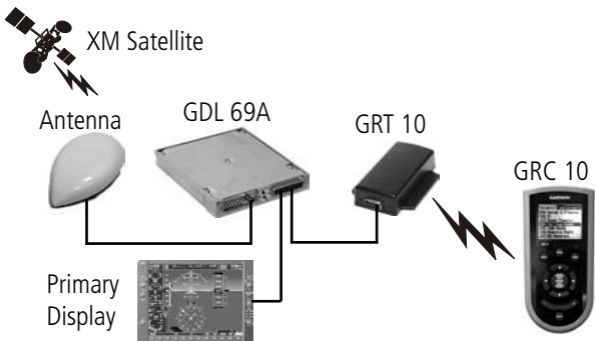
To adjust the Volume settings

1. Press + key to increase the volume level.
2. Press the - key to decrease the volume level.

To Mute the audio

1. Press the **MUTE** key to turn the audio off or to a very low level.
2. Press the **MUTE** key again to return the audio to the previous level.

XM Entertainment System



Messages	
Message	Description
GRT 10 not found	The GRC 10 has not established communication with the GRT 10
GDL 69A not found	The GRT 10 has not established communication with the GDL 69A
GDL 69A connection lost	The GRT 10 has lost communication with the GDL 69A
GRT 10 connection lost	The GRC 10 has lost communication with the GRT 10
Preset load failed	The GDL 69A failed to return the preset list
Preset store failed	The GDL 69A failed to store the preset channel
XM category data loading	The GRT 10 has not finished loading a complete category list from the GDL 69A
XM channel data loading	The GRT 10 has not finished loading a complete channel list from the GDL 69A



NOTE: *The GRC 10 is paired to the aircraft's GRT 10 at installation. The GRC 10 will not control the XM audio functions of another aircraft.*



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