

GARMIN XM REMOTE SYSTEM - DESCRIPTION AND OPERATION**1. General**

- A. The Garmin XM Remote System allows control XM Satellite Radio™ function of the Garmin GDL 69A to be controlled in the passenger cabin without pilot operation. The system includes the GRC 10 Remote Control and the GRT 10 Transceiver. The remote control is stowed in a safe location the passenger cabin. (Refer to Figure 1).
- B. The transceiver controls the XM radio function of the Garmin GDL 69A. The GRC 10 must be configured to operate the GRT 10 installed on the airplane. The GRC 10 will only operate the GRT 10 it is configured with and not a GRT 10 installed in other airplanes. Before the XM radio can be used the GDL 69A must be activated by XM Satellite Radio™ and services subscribed to XM Satellite Radio Corporation. Refer to Garmin GDL 69/69A Installation Manual P/N 190-00355-02, found in the Introduction, List of Publications.

2. Description

- A. The GRT 10 receives electrical power from the XM-DATA LINK circuit breaker Found On The Avionics Circuit Breaker Panel. The XM GTR 10 transceiver is installed above the right headliner of the cockpit just forward of FS 175.95. The GRT uses a RS 232 connection to send GRC XM control signals to the GDL 69A.
- B. The GRC 10 remote control is powered by 2 AA batteries and operate a maximum of 130 hours. The GRC 10 has auto-off function to save battery operational life. The GRC 10 controls the operation of the GRT 10 from all areas of the passenger cabin with a 2.4 GHz RF signal. The GRC 10 controls the volume, channel and entertainment data.

3. Operation

- A. You can energize the GRC 10 remote control if you push and then release one of the keys. Radio volume and channel selection is controlled by the remote controlled. Before operation of the GRC 10 it must be configured (enabled) correctly. Refer to Garmin XM GTR Remote System - Adjustment/Test, GRC 10 Remote Control Configuration.
 - (1) The volume up and down is controlled when the (+) or (-) buttons are pushed. There is also a MUTE button that can be operated. To start the audio again, push the MUTE button.
 - (2) The channel is selected when the UP or DOWN button is pushed. The channel selected shows on the remote control display.
 - (3) Entertainment data, such as song titles, show on the remote control display.

Figure 1 : Sheet 1 : XM Remote System

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GRC 10 Remote Control



GRT 10 Transceiver