

## SERVICE LETTER

No. SL-NG-3-22

**FOR INFORMATION**

- TO:** Owners and Operators of EXTRA NG airplanes
- SUBJECT:** Garmin GNX 375 Navigator-Transponder Audio Connection to GMA 245R Audio Panel
- AFFECTED:** EXTRA NG: S/N up to NG047 equipped with Garmin GNX 375
- PURPOSE:** The EXTRA NG is equipped with a Garmin G3X Touch system including a GMA 245R Audio Panel. When the optional alternative Garmin GNX 375 Navigator-Transponder is installed it is also connected to the audio panel to provide audio alerts to the pilot.
- On EXTRA NG S/N up to NG047, equipped with GNX 375 Navigator-Transponders, this audio signal has been connected to the NAV 1 audio IN channel on the audio panel, which could be muted. From S/N NG048 on this audio signal is connected to the ALERT 1 IN channel.
- This Service Letter is written to provide information on how to connect the transponder audio signal to the ALERT 1 IN channel on the audio panel. Furthermore, information is provided on adapting the configuration of the Garmin G3X Touch system to this new connection.
- APPROVAL:** The technical content of this document is approved under the authority of the DOA ref. EASA.21J.593.

**INSTRUCTIONS:**

**Part I: Correction of Audio Panel Wiring**

**NOTE** Alterations or repair of the aircraft must be accomplished by licensed personnel only.

1. Make sure aircraft power is switched off.
2. Remove the bottom fuselage cover to gain access to the central tunnel.
3. Disconnect connector P2401 from the GMA 245R audio panel, located on the LH side wall of the central tunnel.
4. Identify Pin 17 (NAV 1 AUDIO IN HI) and remove pin from connector.
5. Insert pin in position 31 (ALERT 1 AUDIO IN HI).
6. Identify Pin 18 (NAV 1 AUDIO IN LO) and remove pin from connector.
7. Insert pin in position 32 (ALERT 1 AUDIO IN LO).
8. Reinstall connector P2402 on the GMA 245R audio panel.
9. Reinstall the bottom fuselage cover

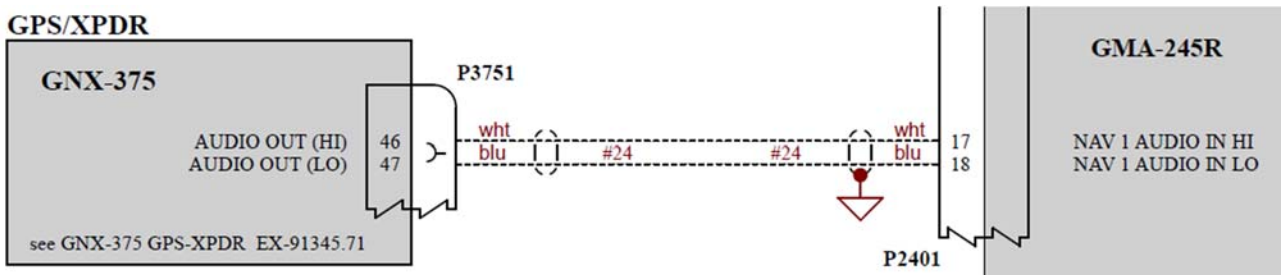


Figure 1 – Wiring GNX 375 to GMA 245R, up to NG047 (with GNX 375)

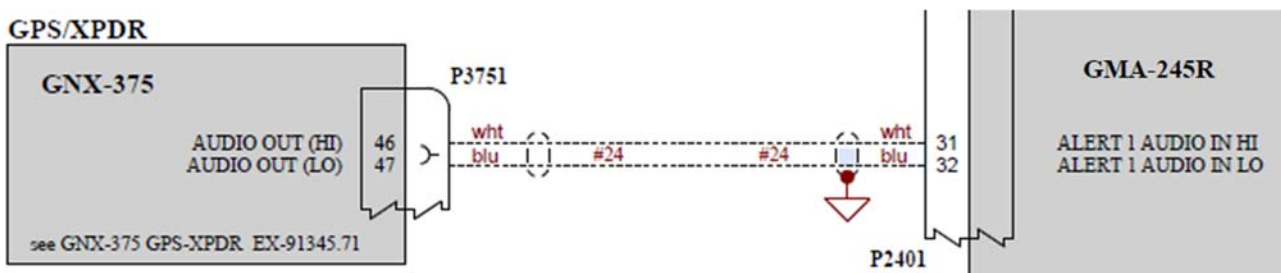


Figure 2 - Wiring GNX 375 to GMA 245R, from NG048 (with GNX 375)

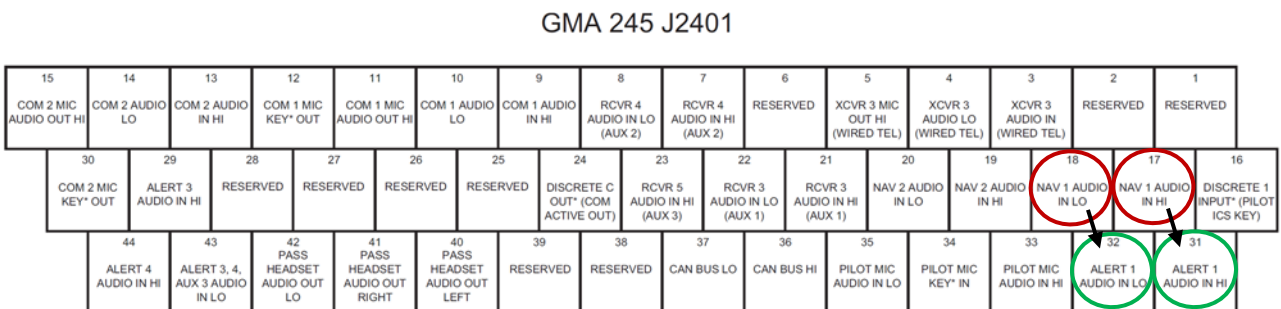


Figure 3 – J2401 Connector Layout GMA 245R

## Part II: Correction of G3X Touch System Configuration

### NOTE

Alterations or repair of the aircraft must be accomplished by licensed personnel only.

1. Power up the G3X Touch system while pressing the HOME button to enter the Configuration Mode.
2. Navigate to the Audio Panel Configuration Page.
3. Set NAV 1 to DISABLED.
4. Set ALERT 1 Volume to 50%.
5. Press the BACK button to return to the main Configuration page.
6. Touch SAVE & RESTART to return the G3X Touch system to Normal Mode.

## Part III: Audio Ground Check on GNX 375

### NOTE

Alterations or repair of the aircraft must be accomplished by licensed personnel only.

1. Reboot the GNX 375 while pressing the inner rotary knob located at the bottom-right of the unit to enter the Configuration Mode.
2. Navigate to the **Setup > XPDR > Options** page.
3. Set Audio Test to CONTINUOUS TONE.
4. Check audio in headset.
5. Set Audio Test to TRAFFIC.
6. Check Message in headset.
7. Touch BACK several times to return to the main Configuration page.
8. Restart the GNX 375 unit in Normal Mode.
9. Power down the aircraft.

## Part IV: Documentation

Make a permanent note of the successful completion of this Service Letter in the aircraft logbook.