

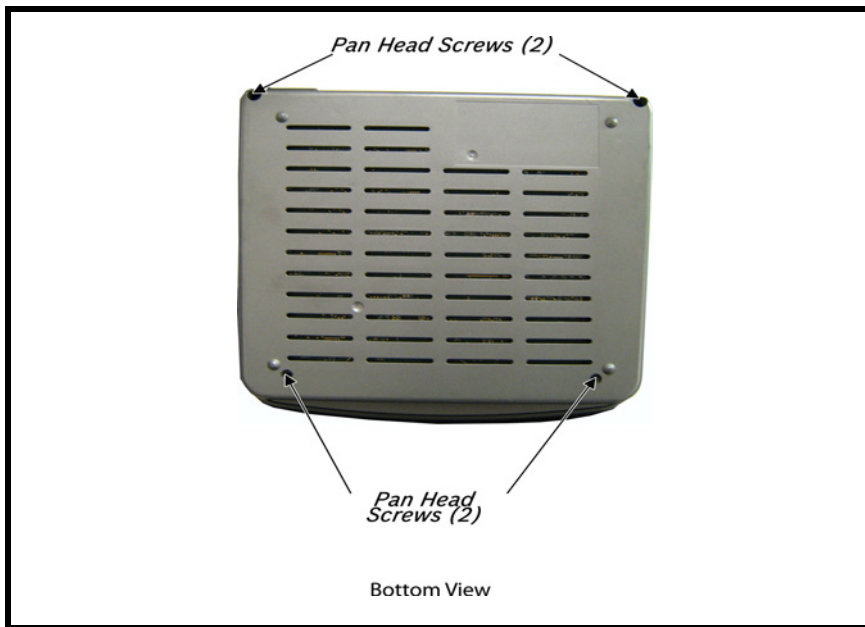
# DKP 16 CLD GPIO Option Card

## Installation Instructions

The DKP 16 CLD GPIO Option Card is used to provide additional functionality to the DKP 16 CLD keypanel, such as front and back speaker/mic configuration, relay assignments and input/output configuration.

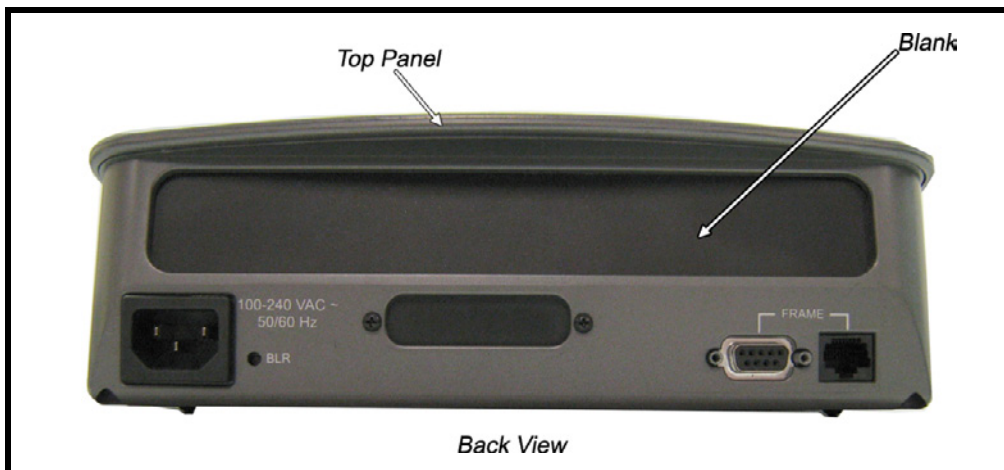
To **install the GPIO option card in to the DKP 16 CLD**, do the following:

1. Power **off** the DKP 16 CLD.
2. Using a Phillips screw driver, remove the four (4) **pan head screws** from the bottom of the unit. See Figure 1.



**FIGURE 1.** Screw Removal Locations

3. Carefully lift the **DKP 16 top panel** off the unit and set aside. Take care not to pull the attached wires apart.
4. Remove the **Blank** from the back of the unit. (see Figure 2).



**FIGURE 2.** Blank on DKP 16 CLD

5. Connect the **ground wire** to the **J34 connector** (see Figure 3).

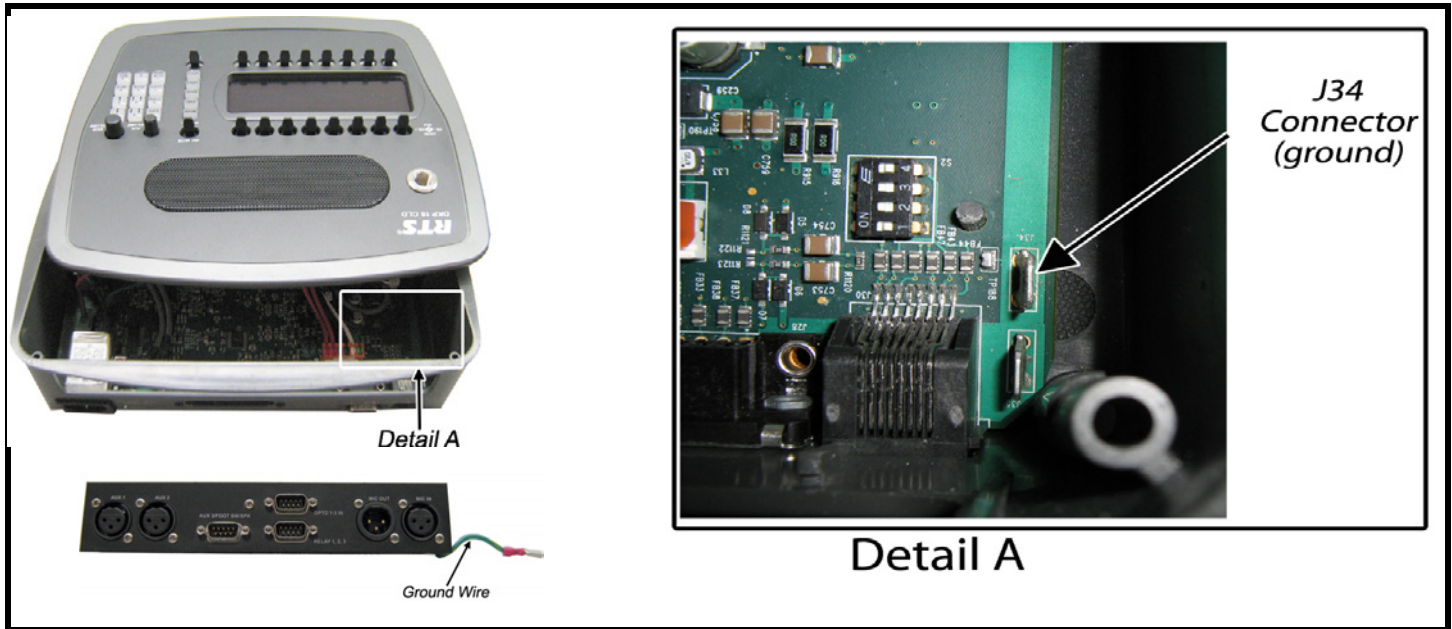


FIGURE 3. Attach the ground wire

6. Connect the **GPIO Option Card ribbon cable** to **J12** on the main board of the DKP 16 CLD (see Figure 4).

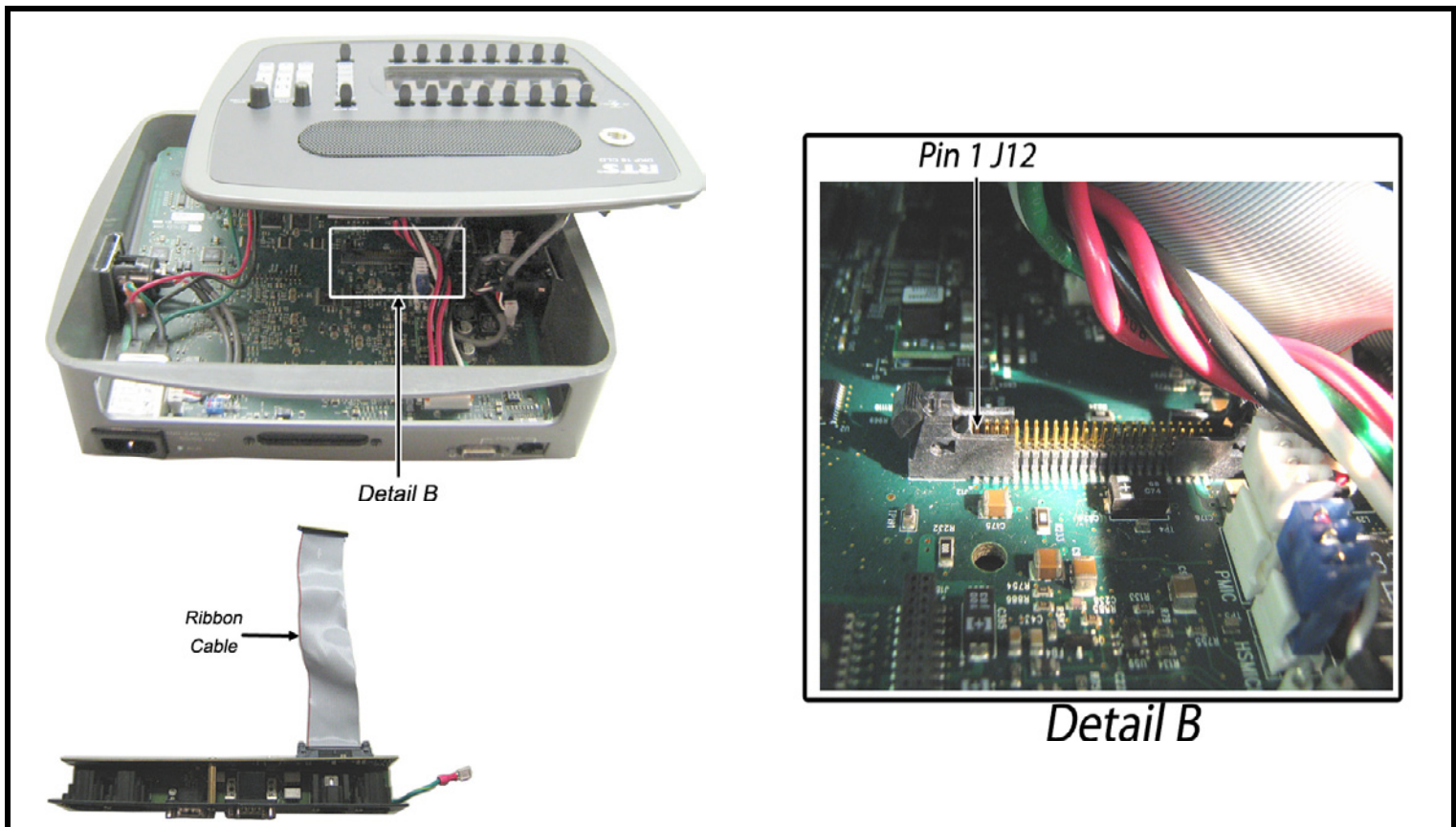


FIGURE 4. Attach the GPIO option card ribbon cable

**NOTE:** Do NOT connect the ribbon cable backwards, unintended results may occur. Pin 1 (designated by the red wire) lines up with the silk screen dot near the J12 connector.

7. Using the guides on the inside of the unit's chassis, gently snap the **GPIO Option card** in place (see Figure 5 and Figure 6).

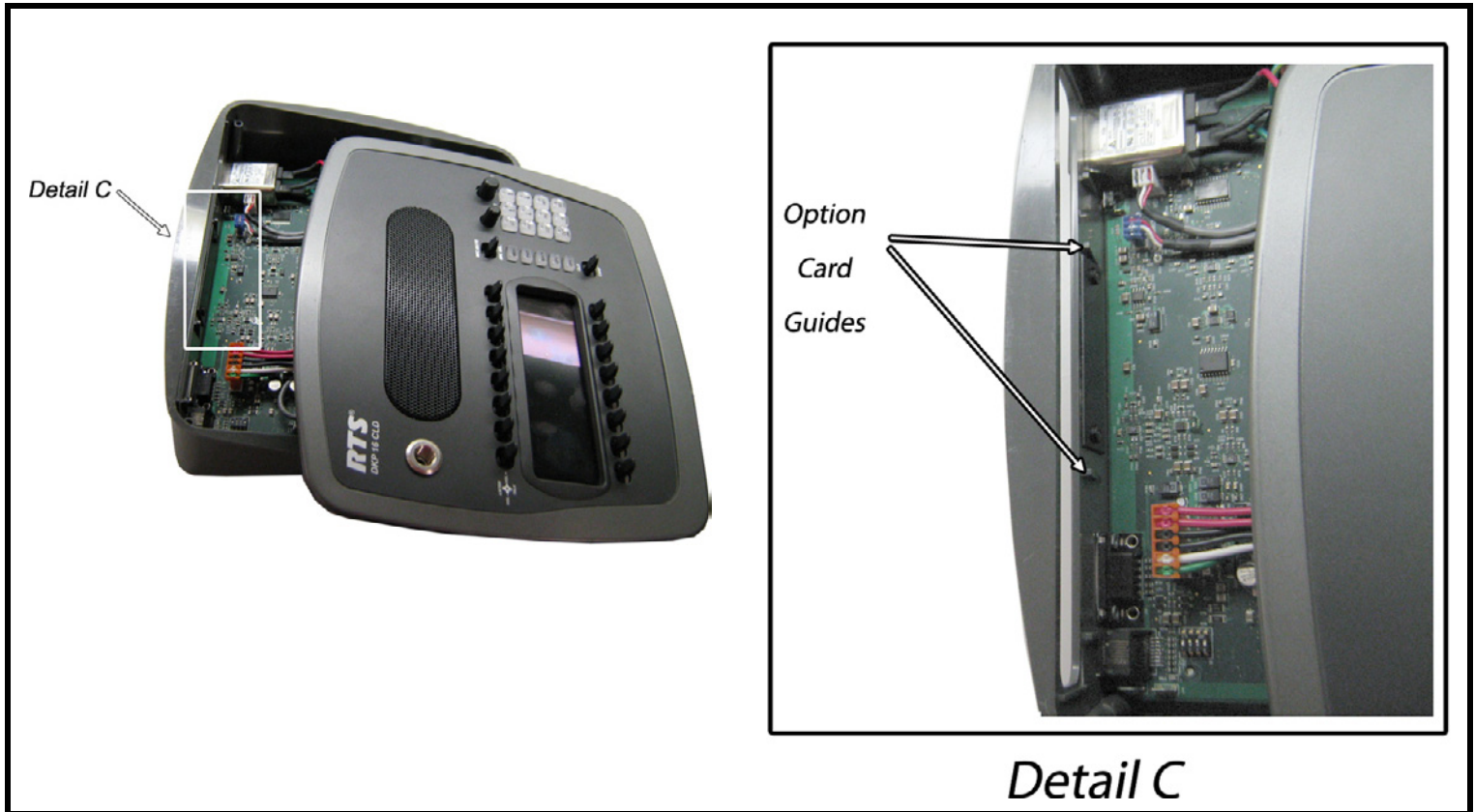


FIGURE 5. GPIO Option Card Guides

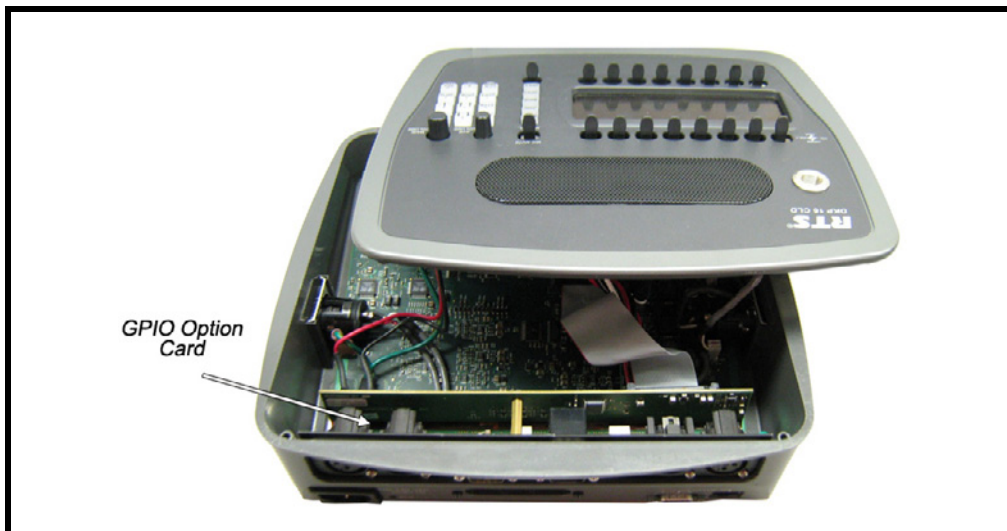


FIGURE 6. GPIO Option Card Installed

8. Replace the **top panel** on the unit.
9. Replace the **screws** on the bottom of the unit in the appropriate holes (see Figure 1).





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To verify the GPIO option board is installed correctly, do the following:

1. On the KP 32 CLD keypad, press **MENU**.  
*The Top Level menu appears.*
2. Using the 3(↑) or 6(↓), select **Audio Options**.
3. Press the **SEL** button.  
*The Audio Options submenu appears.*
4. Using the 3(↑) or 6(↓), select **Panel Mic**.
5. Press the **SEL** button.  
If Front and Rear appear as options, your GPIO option board is installed correctly. If they do not appear, check the the connections from the GPIO option board to the DKP 16 CLD.

**NOTE:** For more information, see the CLD Family of Keypanels user manual (93507858000) which can be found at <http://www.rtsintercoms.com/manuals.php>.