RTS Digital Matrix Intercom
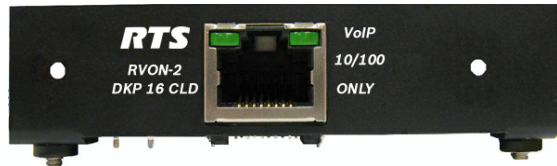## Innovating the Future of Communications

RVON-2 (90027877001) Quick Start Guide (DKP 16 CLD)

INCLUDED PARTS:

- DKP 16 CLD RVON-2 Option Card (90207877001)
- KP CLD Resource Disk
- 2 – Screw, 4-40 x 1/4 Pan Head, black

DKP 16 CLD RVON-2 Installation

To **install the RVON-2 Option Card into the DKP 16 CLD**, do the following:

1. Power **OFF** the DKP 16 CLD.

2. Remove **(4) pan head screws** from the bottom of the unit.

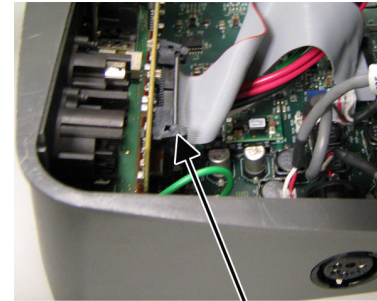Pan Head Screws (2)

Pan Head Screws (2)

3. Carefully lift the **DKP top panel** off of the unit and set it aside.

Important: You will not be able to remove the entire top panel off because of the many other connectors within the unit.
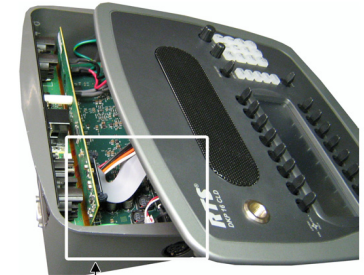

If a GPIO Option Card is installed, continue to the next step, otherwise, skip to step 7.

4. Disconnect the **ribbon cable connected at J6** on the GPIO option card and tuck it towards the front of the unit so it is out of the way.
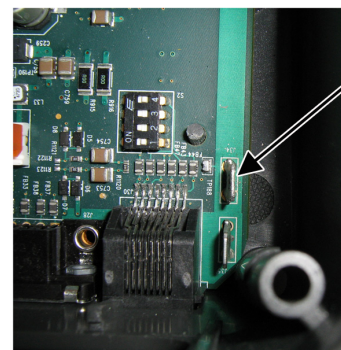

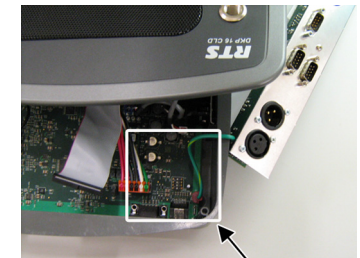Ribbon Cable

Detail View A

Detail View A

5. Gently, but firmly, lift **up and out** on the GPIO Option Card and set aside.

6. Carefully disconnect **J34** from the main board.

J34 Connector

Detail View B

Detail View B

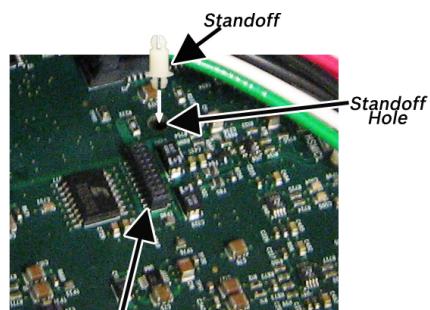# RVON-2 (90007877001) Quick Start Guide (DKP 16 CLD)

7. Using a screwdriver, remove the (2) mounting screws[1] from the DKP 16 CLD RVON-2 blank plate and remove the blank.

> **NOTE:** Set these (2) screws aside for later use in attaching the RVON-2 Option Card.
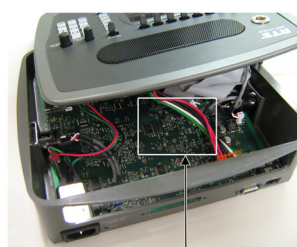

Mounting Screws

8. Remove the **standoff** from the RVON-2 Option card.

9. Attach the **standoff** to the main board of the DKP 16 CLD unit.
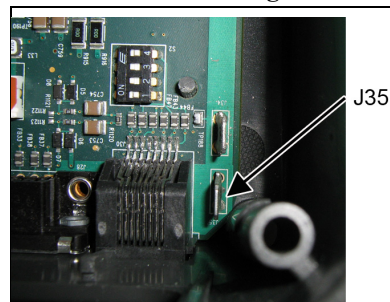

Standoff

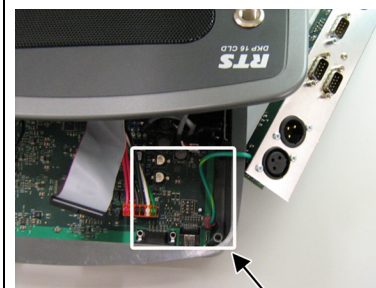*Standoff Hole*

J18

Detail View C

Detail View C

10. Carefully line up the **standoff hole** on the RVON-2 Option Card with the **standoff** on the DKP 16 CLD main board. By doing this, you ensure J10 and J18 are aligned to seat properly.

11. Gently press down on the **RVON-2 Option Card** with enough force to pop the option card in place.

12. Attach the **RVON-2 Option Card** to the DKP 16 CLD frame using the same mounting screws as removed in step 7.

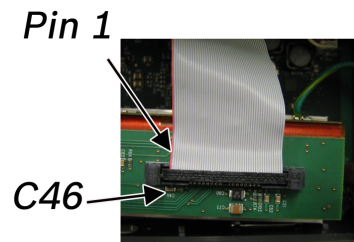**13.** Attach the **RVON-2 ground wire to J35** (shown in Detail D).

J35

Detail View D

Detail View D

14. Reconnect the **GPIO Option Card to J34** (see step 6).

15. Place the **GPIO Option Card** in the DKP 16 CLD unit.

> **NOTE:** Do NOT connect the ribbon cable backwards, unintended results may occur. Pin 1 (designated by the red wire) lines up with capacitor C46.

Pin 1

C46

16. Replace the **ribbon cable to J6** of the GPIO Option Card (see step 4).

17. Replace the **top panel of the DKP 16 CLD unit** and secure it with (4) pan head screws.

> **NOTE:** For operation instructions, see the KP CLD User Manual (part number 93507858000).

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1. *4-40 x 1/4 pan head.*