



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model XCP0010A DC Control Kit

Field Installation Kit Instructions

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General Information

The XCP0010A DC Control Kit for the ICP9000 Series Desktop Console or the ICP9000 Navigator Series MCU provides standard dc control on a per channel basis. One XCP0010A kit is required for each dc-controlled radio channel.

The XCP0010A DC Control Kit includes the following components:

Qty	Description
1	CDC printed circuit board
3	#4-40 × ¼-inch Phillips SEM screw

Installation



Warning: Observe precautions for handling electrostatic sensitive devices.

ICP9000 Series Desktop Console

1. Disconnect power from the ICP9000 Series Desktop Console.
2. Remove the 7 screws securing the top panel and gently lift the cover exposing the attached speaker cable and master display cable. See Figure 1 on page 2.

3. Disconnect the speaker cable at the male-to-female connection point. Unplug the master display cable from the top cover.

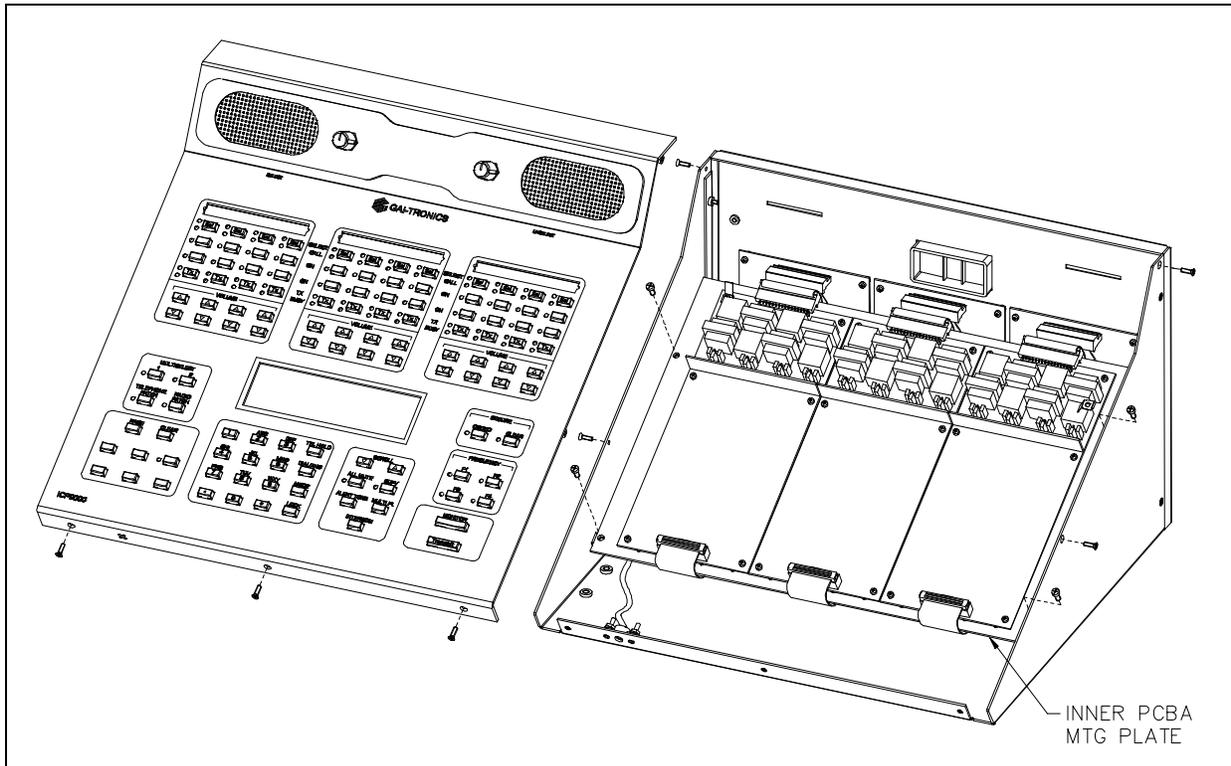


Figure 1.

4. Disconnect all plugs attached to the inner PC board mounting plate. See Figure 1. Then remove the 4 screws attaching the mounting plate to the base. This allows you to remove the mounting plate.

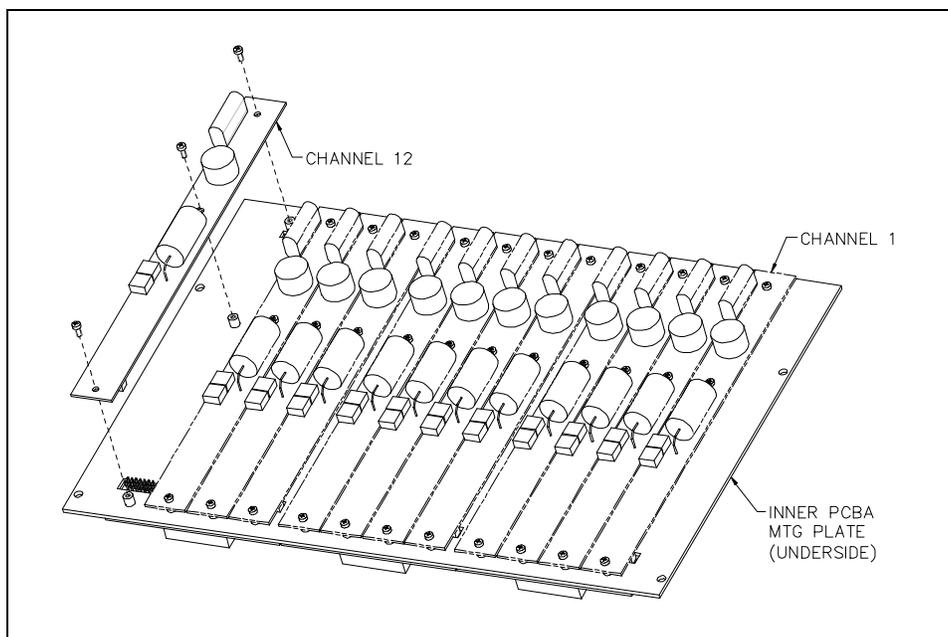


Figure 2.

5. Mount the XCP0010A DC Control Option CDC PCBA to the appropriate slave PCBA (1, 2, or 3) and channel (1, 2, 3, or 4 for each PCBA). The CDC PCBA must be mounted on the bottom side of the slave panel.
6. Remove the shunt and connect the 2-pin connector P62X on the CDC PCBA to the appropriate header on the slave PCBA (JU620, JU621, JU622 or JU623).
7. Connect the-pin connector P2X to the 14-pin header (P26, P27, P28, or P29) on the CSD PCBA.
8. Fasten the CDC PCBA to the inner PCBA mounting plate using the 3 supplied #4-40 screws. See Figure 2.
9. After the PCBA has been properly mounted, you may reassemble the console by reversing the disassembly procedure. Verify that all CSD-to-main board ribbon cables are properly positioned into their protective guides and connected to their respective main board connectors as follows:

Channel	Main Board Connector
1-4	P1
5-8	P2
9-12	P3

Main Board-to-CSD Slave Board Connectors

Note: The XCP0010A DC Control board has been factory-calibrated to provide the standard control currents and does not normally require field adjustment.

10. Reconnect power to the ICP9000 Series Desktop Console.

After the console has been reassembled, it is necessary to program the console by editing the channel parameters. Refer to your CARD Suite Software (XAC1000A) for specific programming instructions. Also refer to the ICP9000 Series Desktop Console Operator’s Manual, 43004-016, for user instructions on dc control operation.

ICP9000 Navigator Series MCU

1. Disconnect power from the ICP9000 Navigator Series MCU.
2. Remove the 10 screws securing the side cover panel and gently lift the cover exposing the attached speaker cable and master display cable. See Figure 3 on page 4.
3. Disconnect all plugs attached to the inner PC board mounting plate. See Figure 3. Then remove the 4 screws attaching the mounting plate to the base. This allows you to remove the mounting plate.
4. Mount the XCP0010A DC Control Option CDC PCBA to the appropriate slave PCBA (1, 2, or 3) and channel (1, 2, 3, or 4 for each PCBA). The CDC PCBA must be mounted on the bottom side of the slave panel.
5. Remove the shunt and connect the 2-pin connector P62X on the CDC PCBA to the appropriate header on the slave PCBA (JU620, JU621, JU622, or JU623).
6. Connect the-pin connector P2X to the 14-pin header (P26, P27, P28, or P29) on the CSD PCBA.

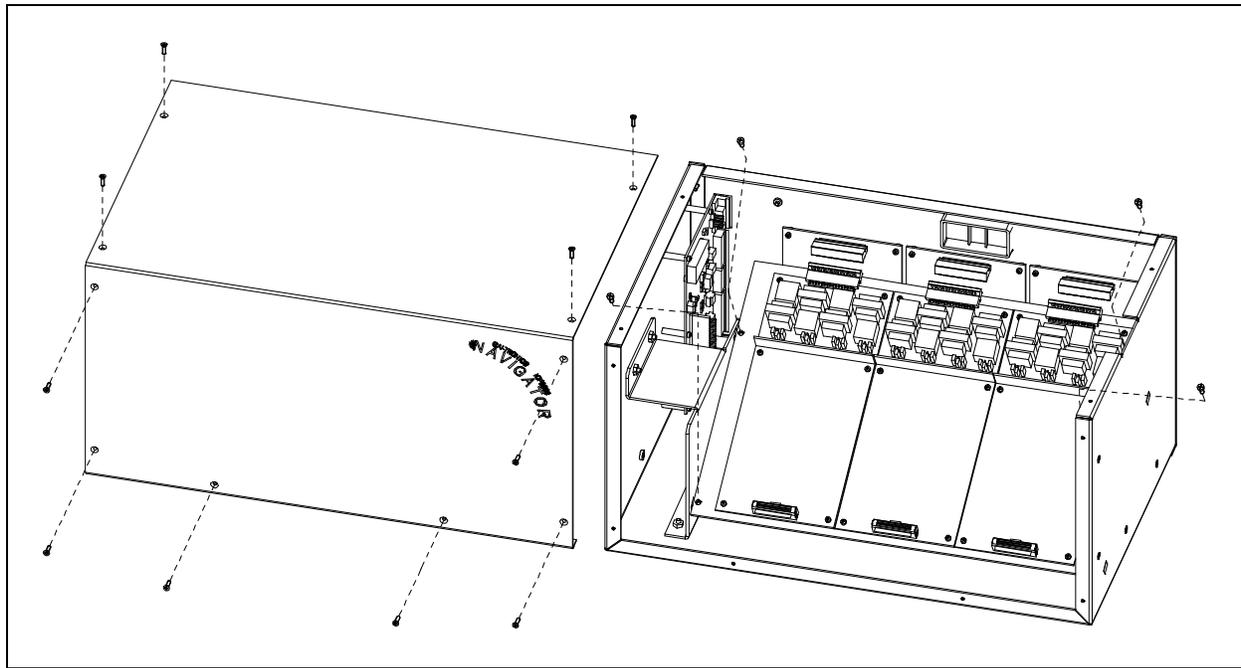


Figure 3.

7. Fasten the CDC PCBA to the inner PCBA mounting plate using the 3 supplied #4-40 screws. See Figure 2.
8. After the PCBA has been properly mounted, you may reassemble the MCU by reversing the disassembly procedure. Verify that all CSD-to-main board connections are as follows:

Channel	Main Board Connector
1-4	P1
5-8	P2
9-12	P3

Main Board-to-CSD Slave Board Connectors

Note: The XCP0010A DC Control PCBA has been factory-calibrated to provide the standard control currents and does not normally require field adjustment.

9. Reconnect power to the ICP9000 Navigator Series MCU.

After the console has been reassembled, it is necessary to program the console by editing the channel parameters. Refer to your CARD Suite software (XAC1000A) for specific programming instructions. Also refer to the ICP9000 Navigator Series Operator’s Manual, pub. 43004-025, for user instructions on dc control operation.