HPA4/LA4
Firmware Upgrade Instructions

Cautions:

The HPA4 and LA4 circuit boards and the firmware chip can be damaged by static electricity. Use of an ESD wrist strap is recommended. If a wrist strap is not available, hold chassis with one hand while inserting chip and moving jumpers. Do not touch the circuit board until your other hand is making contact with the chassis.

The firmware chip will be damaged if it is inserted backwards. The white line must face the left side of the unit, when looking from the front of the unit!

Kit Contents:

- These instructions
- Firmware Chip
- T-15 Tool (for cover removal)

Instructions:

1. Unplug the power cord and all audio cables.
2. Remove the 6 screws on the top cover with the provided T-15 Tool.
3. Remove the top cover.
4. On the main board, move the jumper at P4 so that it is on the two pins closest to the rear of the unit (see Figure 2).
5. Insert the firmware chip in socket U11 on the main board with the white line facing the left of the unit (see Figure 3).
6. Using Figure 3, check the positions of the jumpers (P4 on main board).
7. Using Figure 3, check the orientation of the firmware chip. The white line must face the left of the unit. The chip will be damaged if it is inserted backwards!
8. Replace the top cover.
9. Turn the unit on. Go into the menu and select "SETTINGS RESET" and then push the "RESET" button.
10. Go into the menu and select "About" and check to make sure that the Firmware version displays the new firmware number code (e.g., 1.0.2).

Reverting to old firmware:

If you wish to revert to the old firmware the entire kit can be removed (see Figure 1), but this is not necessary. The firmware chip can be left in place. Just move jumper P4 on the main board to its original position, and the original firmware will be activated. Repeat steps 9 and 10 after reverting. The jumper at P4 selects the on-board memory or the field-upgrade memory chip.

Technical Support:

CALL TOLL FREE: 1 (800) 262-4675
(M-F, 9AM - 5 PM, New York)
We are here to help! Please do not hesitate to call.

ADDITIONAL TELEPHONE NUMBERS:
Phone: 315-437-6300
Fax: 315-437-8119
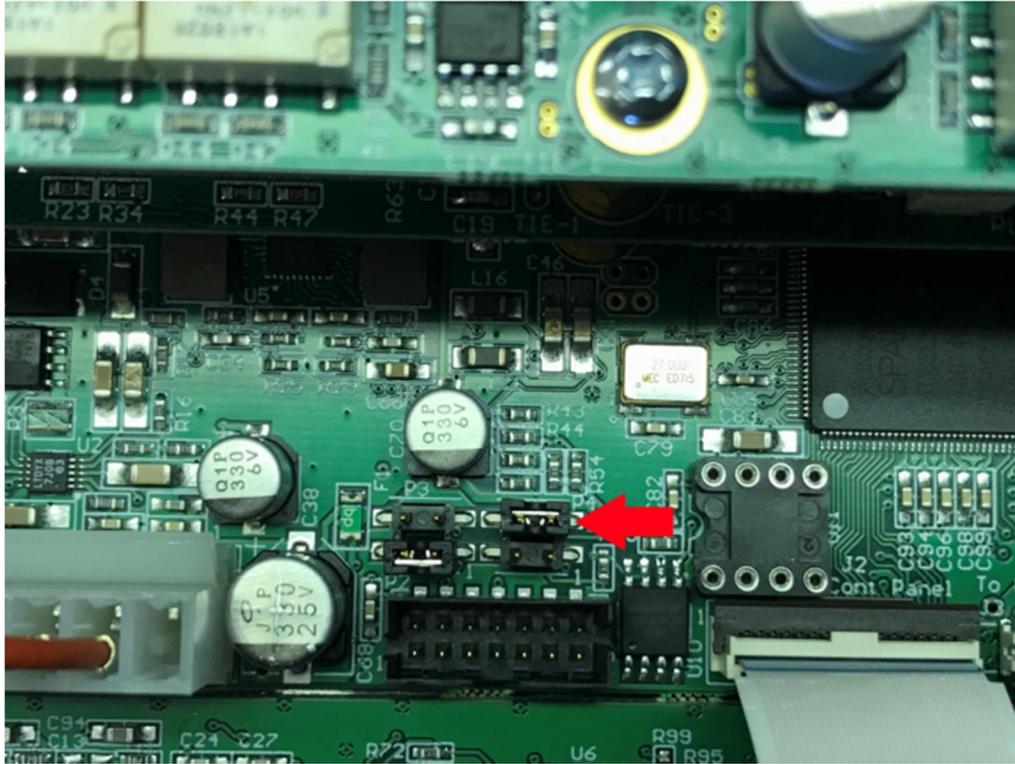
Figure 1- Top view before installing firmware kit.

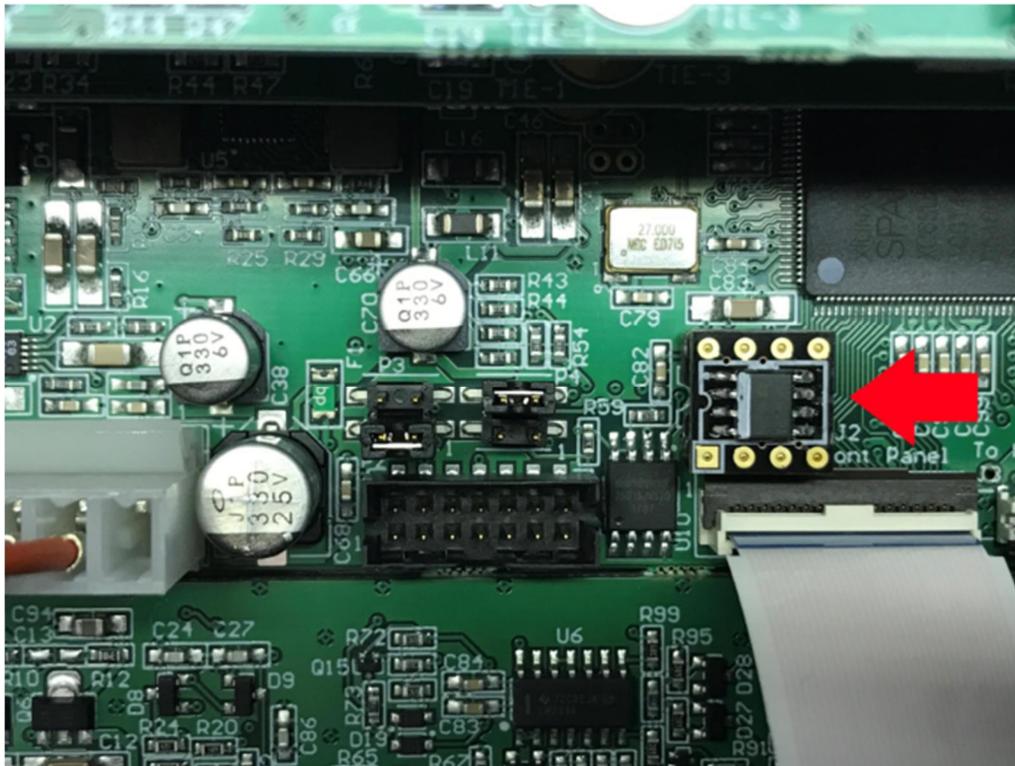**Figure 2 - On the main board, move jumper on P4 to this position.**

Figure 3 - Finished installation. White line on firmware chip must face the left of the unit towards P4!