

JSD-60 PICKit™3 Field Firmware Update Procedure

Introduction

Some JSD-60 units cannot be updated through the normal “bootload” process. You have been provided with a Microchip PICKit™3 that is preloaded with firmware that will fix this issue.

System Description

You have been provided with a kit containing the following:

- One standard USB power supply cable to power the PICKit™3.
- One PICKit™3 preloaded with JSD-60 firmware.
- One programming cable plugged into the PICKit™3.

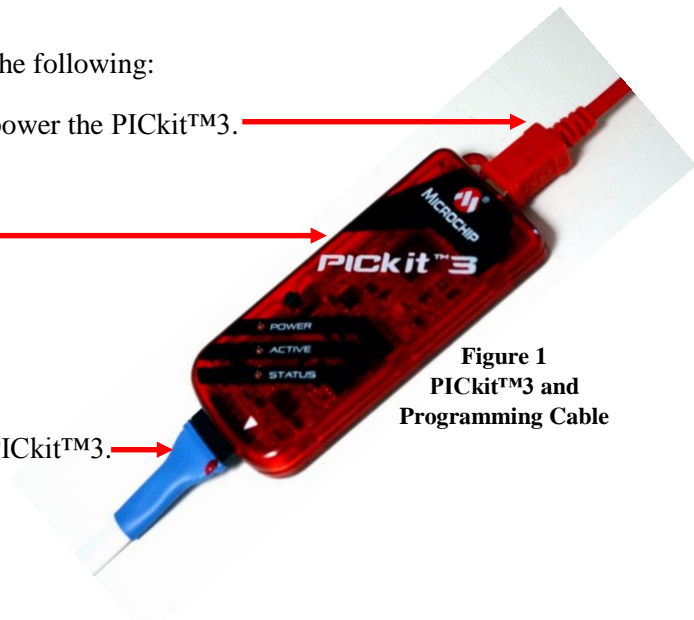
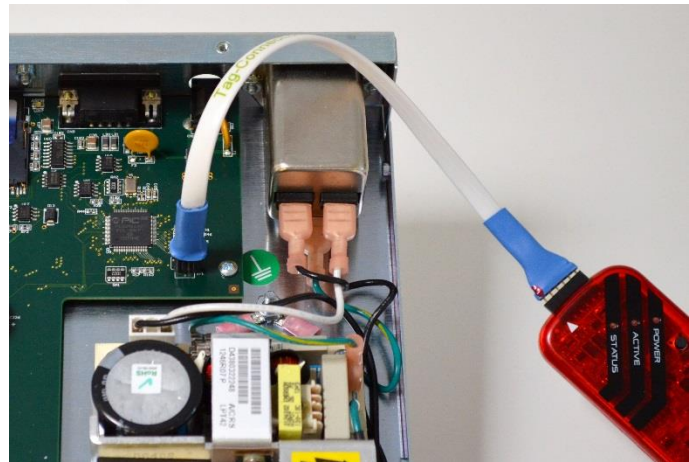


Figure 1
PICKit™3 and
Programming Cable

Update Procedure

1. Power down the JSD-60 and remove it from the equipment rack.
2. Remove the cover from the JSD-60.
3. With the programming cable plugged into the PICKit™3, plug the assembly into JP1 on the JSD-60 main circuit board, see Figure 2. Note the orientation of the programming cable to the PICKit™3. The #1 marking on the programming cable (red dot) should line up with the triangle near the connector on the PICKit™3. Apply power to the PICKit™3 using the supplied USB cable and power supply. This step (applying power to the PICKit™3) may be done earlier in this process, if desired. The PICKit™3 is ready when the green power light lights and the blue active light flashes.
4. Apply power to the JSD-60 and turn it on.





5. With the PICKit™3 and programming cable plugged onto JP1 on the JSD-60 main board, press the button on the PICKit™3. Release the button when the status LED on the PICKit™3 changes color. It will flash red, then green, then flicker red/green. When programming is complete, the status LED will light solid green. The programming procedure takes about 20 seconds. You can program more units without removing power from the PICKit™3. The status LED will be solid green from the completion of the last program. Once the PICKit™3 is connected to the next powered JSD-60, press the button until the LED changes color (flashes red, then green, then flickers red/green). When the status LED is solid green again, the programming is complete.
6. Power down the JSD-60 and disconnect the PICKit™3.
7. Use the JSD-60 Cinema GUI or Web Browser to update to the correct DSP and/or Front Panel firmware if necessary.
8. Also, the JSD-60 Cinema GUI or Web Browser can be used at this point to load any firmware version.
9. Put the cover back on the JSD-60 and reinstall it in the rack.
10. Test the normal operation of the JSD-60.