FlexRadio Systems
Software Defined Radios

FLEX-5000A™ Quick Start Guide for "Experienced" PowerSDR™ Users.

First time FlexRadio owners *should* go directly to the FLEX-5000A Installation and Configuration Manual (ICM). This guide is intended for individuals are familiar with the SDR-1000 setup procedures.

1. Connect the supplied Firewire cable to either of the Firewire connectors on the back of the FLEX-5000 to the Firewire host controller on your computer. If your computer has only a 4-pin Firewire jack, you will need to obtain a 6-pin to 4-pin cable.

2. Attach the supplied DC power cable to a 13.8 VDC power supply. You will need a regulated DC power supply capable of at least 25 amps continuous duty; A 35 amp power supply is recommended.

Do NOT turn on the power to the FLEX-5000A until the Firewire device drivers are completely loaded.

Please refer to the Installation and Configuration Manual (ICM) for the remaining installation steps.

3. Install the FLEX-5000 Firewire device drivers located on the CD or downloaded from the FlexRadio website. For further instruction see ICM Chapter 4.

4. Install the latest version of PowerSDR, located on the CD or on the FlexRadio website. For further instruction see ICM Chapter 6.

Do not use a SDR-1000 database with the FLEX-5000. PowerSDR must create a brand new database for the FLEX-5000A.

5. Make the following connections to the FLEX-5000A

- Connect your Microphone to either the 8-pin Mic connector, Line-In, or to Balanced Line In. *The Line-Ins are the equivalent of connecting a microphone directly to the input of a Delta 44 or FA-66 soundcard.*
- Connect your CW key or paddle to the ¼" TRS CW jack.
- Connect your antenna to any of the antenna SO-239 connectors (ANT1, ANT2 & ANT3). PLEASE NOTE THAT ONLY ANT 3 CAN BE USED FOR 6 M TRANSMIT.
- Connect the PTT cable from your Amplifier to the RCA TX 1 jack.

FLEX-5000 Power Up / Power Down Sequence

There is a specific power up / power down sequence for using the FLEX-5000. Following this sequence will ensure that the FLEX-5000 will operate properly.

1. To Power Up the FLEX-5000, execute the following steps in order:

    • Turn on the Power on the FLEX-5000 by pressing the Power LED switch and immediately releasing it.
    • After a few seconds, the power relay will click and the **blue LED** will illuminate.
    • Start your computer.
    • Start PowerSDR.
    • Begin using the FLEX-5000.

You can turn on your computer before powering up the FLEX-5000 only if you wait 10 seconds after powering up the FLEX-5000 before starting PowerSDR

2. To Power Down the FLEX-5000, execute the following steps in order:

    • Shut down PowerSDR.
    • Power off the FLEX-5000. Press and release the power button.
    • Shut down your computer.

Never turn off the FLEX-5000 while PowerSDR is still running. Doing so will leave the FLEX-5000 is an improper state that may prevent it from starting back up until the FLEX-5000 is power cycled.

Troubleshooting and Support

There is an on-line Troubleshooting Guide located on the Knowledge Base that is available for troubleshooting basic setup and configuration problems.
http://kb.flex-radio.com/article.aspx?id=10406

FlexRadio Systems Support can be contacted using either e-mail or by phone
support@flex-radio.com   -OR- +1 (512) 250-8595

As always, using the FlexRadio Reflector and Forums for support is also an option.

Begin Operating…Have Fun!