



New Edge Signal Solutions Tunable Filter Evaluation Board Start up procedure

Proprietary

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INTRODUCTION:

The evaluation boards for NewEdge Signal Solutions are comprised of the following items:

- 1) The Tunable Filter component mounted on PCB
- 2) A connectorized PCB with an Arduino controller on board
- 3) A USB cable to connect a PC to the Arduino controller
- 4) GUI (Graphical User Interface) to be loaded on the local PC

INSTRUCTIONS FOR GETTING STARTED:

1. Copy "SAXxxx Control.exe" to desired location on your computer (e.g., Desktop).
2. In the "drivers" directory, run the appropriate "dpinst" application for your computer (x86 for 32-bit, amd64 for 64-bit) and follow the installer instructions.
2. Connect the SAXxxx device to a USB port.
4. Select "Browse my computer for driver software" and select "drivers\arduino-org.inf".
5. In the Windows Control Panel, select "Devices and Printers" and double-click on the "Arduino Micro" to see the Properties window.
6. Click on the Hardware tab and note the COM port (e.g., COM3 or COM4) assigned to the Arduino Micro.
7. Start the "SAXxxx Control.exe" application and enter the "COM Port" name.
The tunable filter is now ready to use in "Normal Mode".
8. Click on the "Normal Mode" tab and then enter either a control word (in HEX) or a Frequency (in MHz). Or, start a "Sweep" through the tuning range.

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