



Windfreak Technologies, LLC.
FT108 Quick Start Instructions

Please read all the way through once before beginning

Important Info: This device is ESD sensitive. Transport it in its ESD safe bag. Use it with proper ESD precautions. Also, the FT108 has non-standard signals on its USBC connector such as triggers and UART. Be sure to use the USB2 cable (supplied or similar) between it and your PC to avoid conflicts.

There are three options to get the FT108 software going:

- 1) Install setup.exe from the GUI installer directory if not done already. This installs the hardware drivers and the Labview runtime engine. It also installs the FT108 GUI which you should be able to find under Start/All Programs or your Desktop.
- 2) Install hardware drivers and double click on FT108_xx.vi in the source code directory if you have Labview 2017 or later installed.

Plug in the FT108 to USB. Windows should recognize a new device and finish installing the drivers once you plug in the hardware for the first time. If the software GUI is running, click Scan Devices on the Filter Tab to synchronize the software with the firmware.

Once you see a Device Under Control and no Com Error on the right you should be linked. You can unplug the FT108 as long as you don't click anything on the control GUI. If you unplug and re-plug, click Scan Devices to resync the software with the hardware. The hardware always comes up with its internally programmed settings of frequency or RF Band. This can be changed with the "Save Settings to ROM" in the Extras Tab. Refer to the Software Operating Manual for more detailed information on the software.

Troubleshooting:

Software doesn't recognize the FT108: Make sure your PC has the ability to source 200mA to USB. If not try a powered USB hub. Double check the drivers are installed properly by going into Control Panel – Device Manager – Ports (COM & LPT) and check that the driver is there. Try unplugging the FT108 and make sure it goes away and comes back when you plug it back in. Note your COM port assigned. You can try forcing the COM port by dragging down the bottom edge of the GUI and using "Serial Port Select". If you don't have a COM port assigned try re-installing the drivers, a different USB cable or a different USB port. Verify with "Add Remove Programs" that multiple versions of the Labview Runtime Engine and VISA are not there. Having a driver, but no communications is usually an issue with NI VISA and other companies VISA's. If you need multiple versions, contact support below.

If you cant get it to work contact David Goins at dgoins@windfreaktech.com.