

**Important Notice:** After update the firmware, you need to do the reset to the radio first, power off the radio first. Then power it on while holding the PTT and the PF1 button below the PTT at the same time. The radio will start up with a note on the display stating MCU Reset, Please Wait – and do not turn the radio off while it restarts. \*\*\*\*\* See the Separate FW Update Instructions for Details \*\*\*\*\*

- Install the Customer Program Software (CPS) by running the **D878UVII CPS\_Setup\_x.xx.exe** setup program in the CPS Program Folder
- After installing a new D878UVII CPS version go to the top Menu -> Tool-> Options in the CPS to set GPS, BT, 500 Hour Record and APRS options as needed

**Please make sure the codeplug is saved to PC before your do the update and reset.**

\*\*\* **USB Drivers** - Many users have found the D878 radio USB will connect in Windows 10 without loading the AnyTone virtual drivers. The PC found Windows the driver that worked just by plugging in and turning on the radio. If you get a new radio and your PC is Windows10 system, do not install the GD32 virtual driver. \*\*\* Just plug the radio USB cable in to the USB port on your PC and let windows find the driver. \*\*\* If Windows 10 fails to load a USB driver please see the separate Virtual USB Driver Installation Instructions.

**D878UV --- Please use the firmware D878UV\_Vx.xx for updating the radio.**

**D878UVII --- Please use the firmware D878UVII\_Vx.xx for updating the radio.**

### **D878UVII firmware update V3.02 (dated 2023-4-21)**

#### **Change List**

1. CPS->Digital->ARC4 encryption, add the ARC4 encryption which is compatible with Motorola radio.  
When use AES/ARC4 encryption with 878, it is better to turn off the sub band to increase the percentage of successful.
2. CPS->Optional Setting ->Digital -> Voice Header Repetitions, allows you set the voice header transmit times to sync the receive radio, it will improve the communication success rate with RX radio.
3. CPS->Optional Setting ->Digital -> TX preamble to define the preamble time of the data transfer function (not needed for audio calls), and improve synchronization
4. SMS confirmation mode improvements with better compatibility with other devices
5. Call Alert fully compliant with ETSI recommendation

Firmware version: V3.02

CPS version: V3.02

SCT 3258 version: V2.01.07 BA (same, no need update)

BT Version: 10036 or 10043 or 19043 (no need update)

### **D878UVII firmware update V3.01 (dated 2022-11-4)**

#### **Change List**

6. Channel -> Analog -> 5Tone ID, make the decode standard in current channel to be same as the 5Tone ID encode standard.
7. AES256 encryption code only allows to write into radio, not allow to read from the radio.

Firmware version: V3.01

CPS version: V3.01