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   ******

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- Install the Customer Program Software (CPS) by running the <mark>D878UVII_CPS_Setup_x.xx.exe</mark> 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.

*** <mark>USB Drivers</mark> - 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 V3.03 (dated 2023-12-18)

Change List

1. Improve the scan speed, ignore some burst signal.
2. Modify the SMS to support the Text Capture on BM.
3. Modify the CPS to prohibit the CPS read the AES / ARC4 encryption from the radio, and prohibit the CPS read the AES / ARC4 encryption from the codeplug.

   To avoid the mistake, we suggest you do the process as below.
   1. Save the codeplug in 3.02 CPS in .rdt file.
   2. Do the firmware upgrade on the radio, and after firmware upgrade, the reset is a must.
   3. Run the 3.03 CPS and open the saved .rdt file,   the AES keys only display xxxx now, but it still works when write the code plug into radio. To be safe, engineer suggests you re-input the AES keys in the CPS before loading to radio, then it must work.

4. CPS->Optional setting->Key function, add the "dim shut" function which allow set a key to shut off the radio backlight and LED completely.
5. Modify the firmware to make the AES encryption have a variable Vector(IV) instead of fixed "12345678".

Firmware version: V3.03
CPS version: V3.03
SCT 3258 version: V2.01.07 BA   （same, no need update）
BT Version: 10036 or 10043 or 19043 (no need update)
APRS ver: 1.06 or 2.00 (no need update)