

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_V1.xx for updating the radio.

D878UVII --- Please use the firmware D878UVII_V2.xx for updating the radio.

D878UVII firmware update V2.02N (dated 2021-05-31)

Change List

1. Correct the issue that FM radio is unable to off in menu.
2. Correct the issue that CPS->APRS -> APRS set APRS auto TX intervals(s) doesn't match to radio setting.

Firmware version: V2.01N

CPS version: V2.01N

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

BT Version: 10033 (same, no need update)

D878UVII firmware update V2.02 (dated 2021-05-26)

Change List

3. CPS->Optional setting ->Display->Date Display Format, allows the user set the date format on display.
4. CPS->Optional setting ->Display->Display Channel type, allows the user turn off the channel type on display
5. CPS->Optional setting ->Display->Display time slot, allows the user turn off the time slot on display
6. CPS->Optional setting ->Display->Display color code, allows the user turn off the color code on display
7. CPS-> Optional setting ->Alert Tone, add Ana idle channel tone, the digital channel and analog channel have separated idle channel tone setting.
8. CPS->Channel -> Auto scan, tick on the box to allow the radio start scan automatically.
9. CPS-> Optional setting ->Volume/Audio, separate mic gain setting for digital channel and analog channel
10. CPS-> APRS ->Ana AprsTX, allows to set wide band or narrow band for analog APRS transmit.
11. Add the alert tone setting in radio menu.
12. CPS->Analog -> 2Tone Setting-> Auto Reset Time changes to maximum 250S. If you set Auto Reset Time to 25s, it keeps the squelch on carrier until there is 25 secs of silence, then it switches back to waiting for

tones. If there is a transmission before the end of that 25 secs, the timer restarts. It is useful for the 2Tone Paging System.

13. CPS->Analog -> 5Tone Setting-> Auto Reset Time changes to maximum 250S

14. CPS->Analog -> DTMF-> Auto Reset Time changes to maximum 250S

15. CPS->Channel-> Ana aprs mute, allows to mute the analog APRS audio.

16. Digital APRS add Coarse and Speed information.

17. Optional Setting ->Other-> Priority Zone A, Priority Zone B change to display the zone name instead of zone number.

18. CPS-> APRS-> APRS alt data add "Meters" unit for optional.

Firmware version: V2.02

CPS version: V2.02

SCT 3258 version: V2.01.07 BA

BT Version: 10033

D878UVII firmware update V2.01b (dated 2021-04-10)

Change List

19. CPS->Digital -> Contact List, allows to load 500,000 digital contacts.

20. Add Analog APRS Receive function (for AT-D878UVII PLUS).

Turn on this function to enable the radio receiving the analog APRS information in current channel. Make sure your channel setting Frequency, CTCSS/DCS match to the transmit radio's setting.

The radio will display the callsign, coordinates, direction, distance, digipeater paths, etc., when receive the analog APRS from the other radios.

Radio Menu-> APRS -> Ana APRS Info, allows to check the receive analog APRS logs.

CPS -> Public->APRS ->Analog APRS -> Receive Allow set to "On", and input the Callsign and SSID you want to receive. The radio will only receive and display the analog APRS information of the filter callsign, instead of display all analog APRS.

21. We will keep upgrading the firmware to add more Analog APRS function in future.

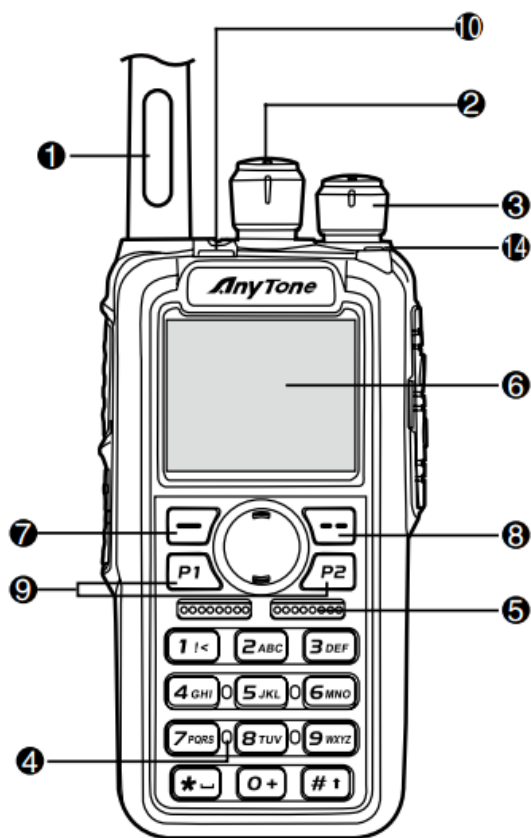
Firmware version: V2.01b



CPS version: V2.00

SCT 3258 version: V2.01.07 BA

BT Version: 10033

How to know your firmware version



Press 7  (Menu) key to enter the menu, press  key to the Device Info and enter into the menu to check the model.

D878UV --- Please use the firmware D878UV_V1.xx for updating the radio.

D878UVII --- Please use the firmware D878UVII_V2.xx for updating the radio.

If you use wrong firmware for updating, the radio will remind “version error”. After load into correct firmware, it will work fine.

D878UV Family										
Model Name	Included	Top P3 button	Analog APRS TX	Analog APRS RX	Digital APRS TX	Digital APRS RX	Air band RX	Memory IC capacity	Digital Contact	Firmware/ CPS
D868UV	GPS	Red	No	No	Yes	No	No	0.5G	200,000	D868UV
D878UV	GPS	Blue	Yes	No	Yes	Yes	No	1G	200,000	D878UV
D878UV PLUS	GPS & BT	Blue	Yes	No	Yes	Yes	No	1G	200,000	D878UV
D878UVII	GPS	Green	Yes	No	Yes	Yes	No	2G	500,000	D878UVII
D878UVII PLUS	GPS & BT	Green	Yes	Yes	Yes	Yes	No	2G	500,000	D878UVII

Notice: D878UVII / D878UVII PLUS has bigger Memory IC capacity with more digital contact, the firmware/CPS is NOT compatible with D878UV.