

**Important Notice:** After update the firmware, you need to do the reset to the radio firstly, power off the radio firstly. 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.

After a re-start the radio will display the setting of the date and the time. Use the up-down key to set the current year. Move to the month by pushing the P1 key. Set the month, and use the P1 key to move forward each step. Once done, click the Menu key to save the date and time.

Also please set up the time zone to avoid the date/time error.

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

## D868UV firmware update V1.24 and V2.24

**Hardware V1.0** --- Please use the firmware V1.24 for updating the radio.

**Hardware V1.1** --- Please use the firmware V2.24 for updating the radio.

CPS is V1.24, no difference for the 2 firmware. Make sure apply the 1.24 CPS for the 1.24FW and 2.24FW.

### V1.24 and V2.24 Improvements (dated 2018-2-1)

#### FW change:

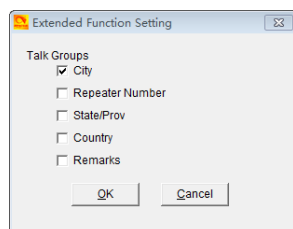
1. When saving a channel using # in Digital Monitor, allow user select the zone for it prior to saving.
2. When channels saved via Digital Monitor adopt unique name
3. Modified When switching from VFO mode to Memory Mode, - artifacts of the larger VFO frequency display remain between the channel name and zone name .
4. Modified the order of contact call prompt .
5. Modified the start up sound is always played at max volume, even if the radio is powered up and the volume set to mute/low
6. Resolved the key lock issue. Power-on password set to ON, Keypad locked at power-off  
**Issue:** Keypad will be locked at the Power-on Password entry screen with no way to unlock the keypad.
7. Change the call sign back to red color as many users said they really like the red call sign display.

#### CPS change:

When export the CSV file, it will remind when there is a file with same name before overwrite the file.

**Note:** Since we have increased a Squelch off option for Analog mode, when you open an old codeplug, please reset the analog squelch firstly.

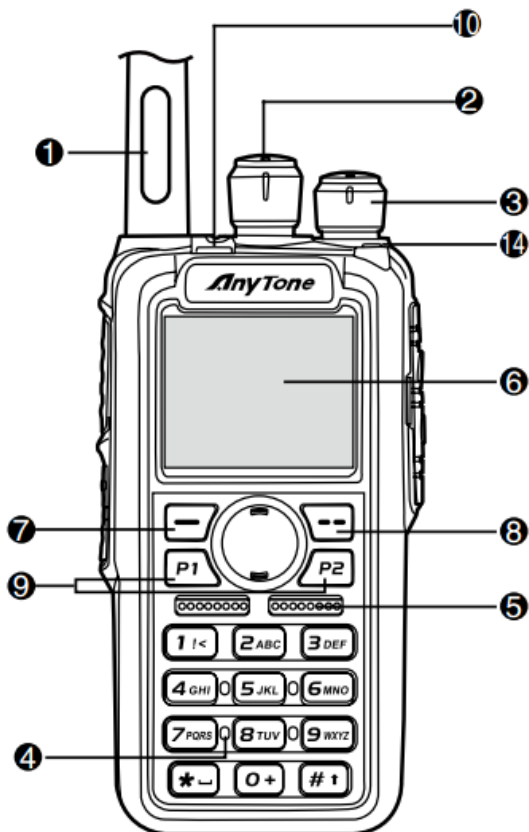
Some reports the exported Talk Groups are missing some information, please remember to check on the boxes when you need more information, in CPS- Tool – Extended function.

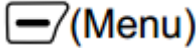



Below are the user friendly operations in D868UV

1. Allow mix the digital mode and monitor mode in RX.
2. Single slot/double slot digital monitor set up
3. Allow set up the audio pitch to get more suitable audio during DMR communication.
4. Allow response to the last caller with a programmed key.
5. Allow send the recording to the other user or group.
6. Allow get the remotely GPS positioning information, it is useful especially in outdoor team touring.
7. Headset volume set up to avoid the loud volume heart the ear.

## 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 hardware version.

**Hardware V1.0** --- Please use the firmware V1.xx for updating the radio.

**Hardware V1.1** --- Please use the firmware V2.xx for updating the radio.

If you use wrong firmware for updating, the radio will not work, but it is not broken. After load into correct firmware, it will work fine.

Actually the V1 and V2 firmware *are almost* same, just in/out is different, so every time when Engineer make updates, he will issue 2 firmwares at the same time. In future, we may have V3.0 hardware with more functions AND higher cost.

The V1.1 hardware has below difference compare with V1.0 hardware.

- 1) no jumper wire
- 2) CPU IC in/out pin is different.
- 3) V1.1 hardware allows adding a small PCB board for 300 hours recording use, this is an **optional** function.

The V1.0 hardware can't add the recording board, so engineer changed the in/out pin for the recording board.

It causes the CPU firmware is not compatible.