

**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.**

#### **D878UV firmware update V1.10 (dated 2018-12-30)**

1. Add new menu item in radio Menu->GPS-> Start Test or CPS ->Optional Setting->Power On->Startup GPS Test. With both the Start Test and GPS function are ON, when power on radio, it will enter into GPS test mode first and stay 1 minute at GPS test mode before it goes into normal mode. This function may improve the GPS lock speed. Either Start Test or GPS is OFF, the radio will start up at the normal mode.
2. Change the color of roaming icon , red means the roaming is failed, green means the roaming is successful.
3. Add the Analog APRS Signal Path in the Radio Menu - APRS.
4. In CPS ->Channel, add a function “Exclude channel from roaming”, when this function is on, the roaming function is invalid in this channel.
5. Add the ON/OFF for date time display.
6. Revise the auto power off, when there is a signal come in or user press PTT key, the auto power off count time will be cleared and re-count.
7. Resolve the issue that the back light is not off in set time when RX analog signal.
8. Add the “repeater check interval” and “times of repeat re-connections” in the radio menu - Roaming.
9. In CPS->Optional Setting ->Auto repeater-> Repeater out of range reminder(times), it will allow the user set up the reminder times for the “Repeater out of range” to show on screen.

#### **D878UV firmware update V1.09(dated 2018-11-28)**

10. Change the TG to red color when the roaming is successful.
11. Resolved the issue that the Radio will re-start when in radio check
12. Resolved the issue that when install the CPS at C:/Program Files(X86), the Firmware Upgrade can not run well.
13. Resolved the issue that Export Data Conversion File doesn't work if there are 2 Radio ID.
14. Allow the CPS to open DCF file.

#### **D878UV firmware update V1.08(dated 2018-11-10)**

15. Resolved the problem the PF3 not allow for Turo power switch.
16. In VFO mode, change the up key to increase the frequency by 1MHz, down key to reduce the frequency by 1MHz.
17. Add “Roaming Effect Wait” on roaming menu of radio.
18. Move the A or B indication behind the last call.
19. Increase the TG display when the roaming is successful.
20. CPS->Tool->Export Data Conversion File, allow convert the codeplug for Contact Manager use.
21. CPS->Channel->Analog-> Customs CTCSS, allow customize the CTCSS code.

### **D878UV firmware update V1.07 (dated 2018-10-23)**

- 22. CPS->Public->Optional Setting->Auto Repeater->Roaming Display, it allows set up the roaming return channel to be current channel or the roaming channel.
- 23. CPS->Public->Optional Setting->Key function, add the Mute Timing function, it allows mute the radio at the set time. After it reach the set time, it will return to normal volume. The mute timing can be set in CPS->Public->Optional Setting->Other->Mute timing
- 24. Allow load the codeplug into radio when the roaming zone is null .
- 25. Resolved the problem that R icon and A icon is mixed in display when radio switch from digital channel into analog channel.
- 26. Resolved the problem that Repeater Out of Range is always on display.
- 27. Resolved the problem when assign the PF3 key to Power Switch function, it can not switch to Turbo power.

### **D878UV firmware update V1.06 (dated 2018-9-30)**

- 28. Resolved the issue that DMR APRS can not work on Motorola Repeater.
- 29. Delete the roaming setup in each channel in CPS. All the roaming setup please refer to CPS->Public->Optional Setting-> Auto repeater.
- 30. Allow start the roaming function in a simplex channel.
- 31. CPS->Public->Optional Setting-> Auto repeater->Alert Out of Repeater range, it has Off, bell and voice for optional.
- 32. Change the date time display to be standard.
- 33. CPS->Public->Optional Setting->Display->Channel name color, allow set up the channel name to yellow or white color .
- 34. CPS->Public->Optional Setting->Display->Receive Backlight Delay, it will allow you turn off the backlight when RX.
- 35. Allow set the APRS TG in radio menu.
- 36. In VFO mode, press up and down key will allow to adjust the frequency at 1MHz step.
- 37. Resolved the issue that time slot can be switched in analog channel.
- 38. Hide the roaming icon in analog channel.
- 39. Resolved the issue that talker alias set up can not be saved in CPS.