

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 V1.09(dated 2018-11-28)

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

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

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

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

13. CPS->Public->Optional Setting->Auto Repeater->Roaming Display, it allows set up the roaming return channel to be current channel or the roaming channel.
14. 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
15. Allow load the codeplug into radio when the roaming zone is null .
16. Resolved the problem that R icon and A icon is mixed in display when radio switch from digital channel into analog channel.
17. Resolved the problem that Repeater Out of Range is always on display.
18. 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)

19. Resolved the issue that DMR APRS can not work on Motorola Repeater.
20. Delete the roaming setup in each channel in CPS. All the roaming setup please refer to CPS->Public->Optional Setting-> Auto repeater.
21. Allow start the roaming function in a simplex channel.

22. CPS->Public->Optional Setting-> Auto repeater->Alert Out of Repeater range, it has Off, bell and voice for optional.
23. Change the date time display to be standard.
24. CPS->Public->Optional Setting->Display->Channel name color, allow set up the channel name to yellow or white color .
25. CPS->Public->Optional Setting->Display->Receive Backlight Delay, it will allow you turn off the backlight when RX.
26. Allow set the APRS TG in radio menu.
27. In VFO mode, press up and down key will allow to adjust the frequency at 1MHz step.
28. Resolved the issue that time slot can be switched in analog channel.
29. Hide the roaming icon in analog channel.
30. Resolved the issue that talker alias set up can not be saved in CPS.

D878UV firmware update V1.05 (dated 2018-9-8)

1. CPS->Digital->Talker Alias, it adds the talker alias function.
Send Talker Alias: It allows you to turn on or turn off the alias transmit function. Engineer reminds you not to turn on the this function when you are using hotspot, otherwise the RX radio may have repeat display when Alias Display Priority is set up to Air Alias.
Alias Display Priority: Contact Alias will display the contact information from data base. Air Alias will display the talker alias transmit by the sender.
Alias Data Format: Allow you choose a format to for send Talker Alias.
2. CPS->Optional Setting->Display->CH Switching Keeps Last Caller, allow to keep Last Heard display when switch to other channel.
3. CPS->Optional Setting->Key function, add Timed Roaming Set in the key function, it will allow user to access the Roaming menu swiftly.
4. CPS->Optional Setting->Key function, add APRS Set in the key function, it will allow user to access the Roaming menu swiftly.
5. Resolved the issue that the radio is cracked when roaming function is on and repeater check is on.
6. Resolved the issue that the radio has error when the modify and save the Radio Name.
7. Resolved the issue in CPS that the channels can not be removed from the Receive Group Call.
8. Resolved the issue in CPS that the mouse is stuck when assign the Receive Group Call to a channel swiftly
9. Resolved the issue that CPS will report error when set up the Priority Scan.
10. In CPS ->Zone,Scan List, Roaming Zone, Receive Group List, allow user to add the channels in batch. Hold pressing Ctrl key and select the channels swiftly, it will allow to choose a batch of channels and add.

D878UV firmware update V1.04 (dated 2018-8-27)

1. Resolved the issue that APRS send at interval is not working.
2. Improve the analog APRS path format, allow to input WIDE 2-2 or WIDE 2 2
3. Resolve the SMS error when receive a long SMS.
4. Resolve the issue that the radio will boot when it receive 2 SMS within 1second.
5. Add the icon for Roaming function.
6. When Roaming is done, the zone name will be changed to Roaming Zone name.
7. Remove power setup for DMR APRS. Only keep power set up for Analog APRS.
8. Resolved the issue that the sub band transmit APRS will interrupt the main band RX.
9. CPS->APRS->repeater activation delay, add DMR APRS transmit delay, the DMR APRS data will be transmitted

after activate the repeater plus the delay time.

10. CPS->Optional Setting->Display->CH Switching Keeps Last Caller, allow to keep Last Heard display when switch to other channel.
11. CPS->Optional Setting->Display->Separate Display, allow to hide the two separate lines on display.
12. When assign a key with Zone Select function, it will allow to input the zone number in the pop-up and switch to the zone directly.
13. Resolved the issue that radio still display VFO A when the APRS channel is current channel.
14. Change the SMS Confirmation to be independently in each channel.
15. Speed up the zone switch speed by up and down key.

Note: The radio allows to change the TG in radio menu ->Talk Group temporary, the new TG will be effective for both TX and RX. The TG will revert when power off and re-power on the radio.

D878UV firmware update V1.03 beta(dated 2018-8-11)

16. CPS->Optional Setting->Auto Repeater-> Timed Roaming Start Condition, it will allow radio start the roaming automatically.

Unconditional: The roaming will be started at fixed time which is set up in Optional Setting->Auto Repeater ->Roaming time

Check Repeater Status: The roaming will be started when radio check the repeater status and find the repeater is out of range. Screen will not display repeater is out of range, it will start roaming directly.

Optional Setting->Auto Repeater ->Timed Repeater Detection, should be ON.

Optional Setting->Auto Repeater->Detection Time, setup the time for background repeater signal detection.

After The Range Reminder: The roaming will be started after radio reminds 3times Out-Of-Range when radio check the repeater status and find the repeater is out of range.

Optional Setting->Auto Repeater ->Timed Repeater Detection, should be ON.

Optional Setting->Auto Repeater->Detection Time, setup the time for background repeater signal detection.

17. CPS->Optional Setting->Display->Backlight Delay of TX, some one don't like the backlight is always on during TX, this function will allow radio turn off backlight at setup time after PTT is pressed.

18. CPS->Optional Setting->Key function, increase APRS Type Switch (analog APRS or Digital APRS) and Zone Select in key functions.

19. Resolved the problem that the APRS Type will always set to None when power off the radio and re-power on.

20. Resolved the problem that can not save a new channel to channel number 4000.

21. Add support of character Ø in the display font in main channel. A Zero is displayed as "Ø".

22. When GPS is off, the GPS icon will be removed from the display.

23. Add status display for DMR APRS TX, it will remind the DMR APRS data is sending.

24. Optional Setting->Auto Repeater ->Times of Repeater Reconnect, it allows user set up the repeater reconnect times before the radio reminds "Not Found Repeater".

D878UV firmware update V1.03 (dated 2018-07-19)

1.Add Out-of-range checking for repeater, when the repeater is out of range, the radio will prompt out of range,this function is only valid for Digital channels.

2.Allow create a new channel on radio or delete an existing channel manually. Operation as below.

Create a new channel: Hold pressing MENU key, until the LCD display "Next Please Press Dial Key", press P1 key, the radio will enter into new channel setup.

Delete an existing channel: Turn to the channel firstly, hold pressing MENU key, until the LCD display "Next Please Press Dial Key", press P2 key, the radio will allow deleting the channel.

After create the new channel, in radio menu - Contacts -Contacts List, it will allow you to assign a TG for the new channel.

- 3.Allow set up the roaming channel list on radio
- 4.In CPS->Optional Setting->Power-on, add the Default Startup Channel and zone, it will allow you choose a startup channel, every time when you power on the radio, you will be at the start up channel
- 5.Allow set up slot for DMR APRS
- 6.Resolved the problem that APRS will interrupt the TX or RX
- 7.Resolved the problem that can not exit Roaming
- 8.Resolved the problem that DMR APRS fixed beacon doesn't work correctly.

D878UV firmware update V1.02 beta2(dated 2018-06-17)

1. Add DMR APRS operation
2. Change the return key in menu to return correctly instead of return to main menu.
3. Allow to sort the Roaming order in CPS

D878UV firmware update V1.02(dated 2018-05-19)

1. In CPS>Optional Setting>Other>Word CH Char Color, allow to choose black or white word display(for standby only).
2. In CPS>Optional Setting>Other>Standby BK Picture, allow to set up a picture as background display in CPS(for standby only).
3. Stone self ID change to 3-7 numbers
4. Resolved the issue that read the Friends List is null
5. Optional Setting>Other>Digital Fun>Roaming Effect Wait(s), allow to set up an effect wait time for the repeater switching in Roaming. It will improve the Roaming work.
6. Apply Record delay for the recordings of MP3 format, it will avoid some invalid recordings.
7. Mute MIC when transmit APRS
8. Allow to select fixed beacon or GPS in radio menu for APRS transmitting.
9. Resolved the issue that radio prompt error when APRS auto TX interval is OFF.
10. Allow to reply the SMS directly when receive a SMS.
- 11.Display Last Heard when radio is transmitting.
- 12.CPS->Optional Setting->Other->Show Last Call On Launch, it will allow you to turn on/off display Last Heard when change the channel.
- 13.Last Heard is not shown when changing the Channel/Frequency.
14. Improve the PTT response speed when connect to Repeater
- 15.Add the Max Volume Set up in Key functions.
- 16.CPS->Optional Setting->Digi Fun->SMS format, it will allow you set up the SMS format to be compatible with HYT or Motorola format.
17. CPS->Optional Setting>Key Function> Key Sound Adjustable, it will allow you set up the beep prompt sound.

V1.01 Improvements (dated 2018-4-12)

1. Allow the radio transmit APRS at regular time, this function can be turned off.
2. Correct the Fixed beacon issue
3. Add Friend list
4. Improve the 500hours MP3 recording audio tone
5. Resolved the USB port issue for Recording manage software
6. Rename the APRS items.