

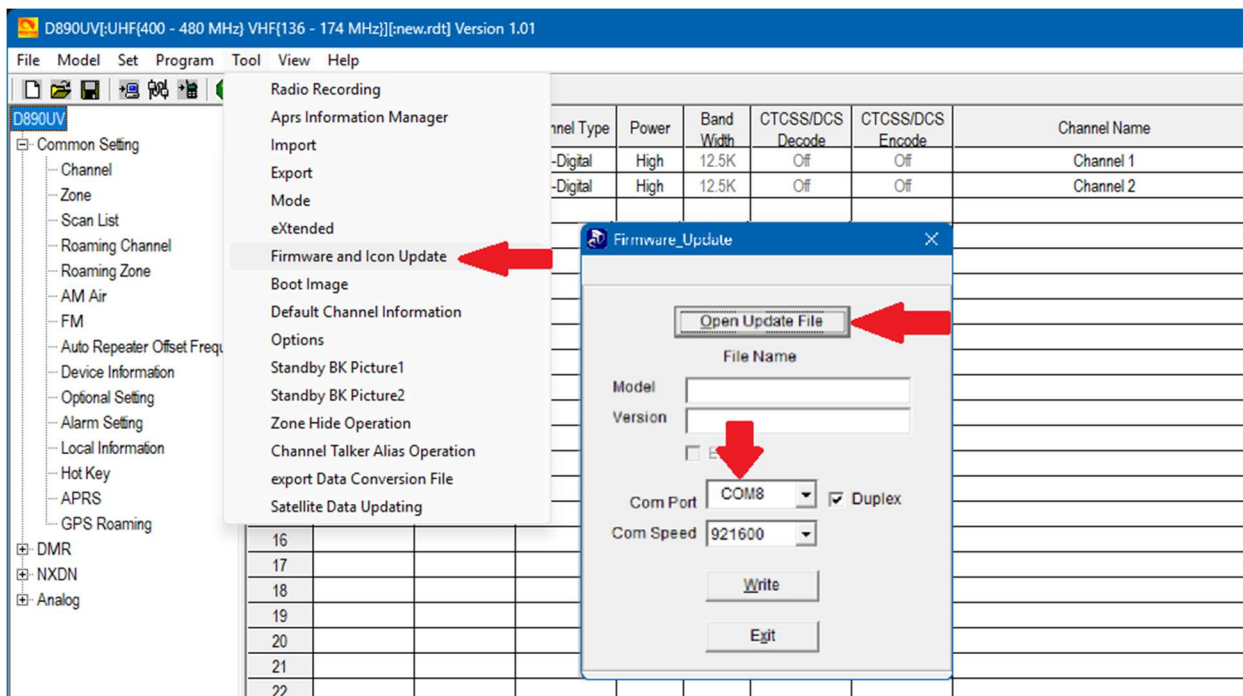
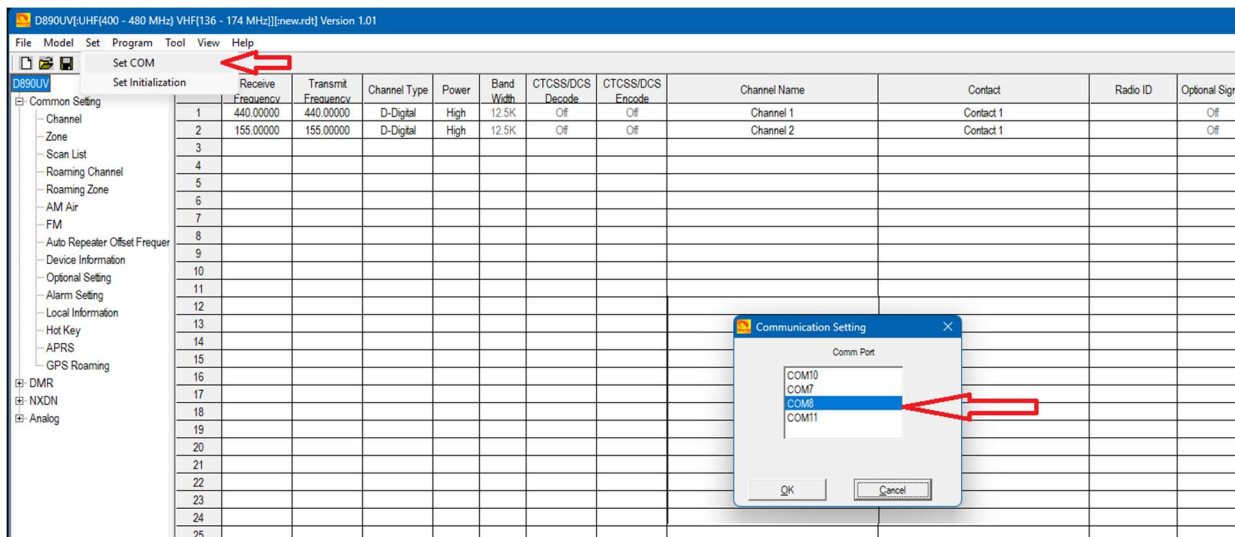
AnyTone D878UV Firmware Changelog

This document provides Change Log Release notes for the AnyTone D878UV firmware updates. It includes important instructions, feature highlights, and resolved issues for each version.

General Update Instructions

- **Always save your codeplug to your PC before updating.**
- In the current CPS on your computer, read your radio, then go to **Optional Settings**, in the left column, and in the pop-up box, click the **Power On** tab.
- **Make sure Startup Reset is ON and the GPS test is OFF. If Startup Reset is OFF, turn it ON, and make sure GPS Test is OFF. Then write it back to the radio.** Then save the codeplug to your computer with the current **DATE** as the file name.
- **Then install the new firmware:**
Power off the radio.
 1. Power off the radio.
 2. Hold **PTT** and **PF3** while powering back on. **PF3** is the **Green** button next to the antenna on top of the radio.
 3. The screen should stay off, and you will see a RED blinking light next to the volume knob. This is firmware update mode.
 4. Then on the computer, uninstall the current CPS, and install the NEW CPS.
 5. Once installed, click **SET**, then **Set COM**. In the popup window, select the Com Port of your radio. Click **Ok**
 6. Then click on **TOOL** in the MENU bar at the top, and then **Firmware and Icon update**. This will open the Firmware Update tool.
 7. Make sure the Com Port listed is the same one your radio is on, then click **OPEN UPDATE FILE**. Locate the folder where you extracted the CPS and Firmware file to. Go into the folder that has the name of the Current Firmware and ends with the letters FW. (example D878UVii_V4.00FW)
 8. Then click the file in there, and click **OPEN**
 9. Then click **WRITE**. Once complete the radio will reboot.
- After installing new firmware, a **radio reset is required (also known as a MCU Reset)**:
 10. Power off the radio.
 11. Hold **PTT** and **PF1** while powering back on.
- The radio will say "**Booting... Please Wait...**", Then it will say "**Are you sure you want to Initialize Radio?**" Press confirm and then wait for the radio to reboot.
- When it reboots it will ask you to set the date and time again. You can do that now or skip it and do it later. Press **Confirm** to finish the MCU Reset. Now in the new CPS, open the codeplug file you saved earlier, and write it to the Radio.

Do not power off the radio until the reset completes.



USB Driver Note

- On **Windows 10 and 11** PC's, Windows will auto-detect the **USB Serial Device Driver**.
- **DO NOT** install the **GD32 Virtual Driver** on these systems. That driver is **ONLY** for **Windows 7 and Windows 8** systems.
- If you plug in the cable by itself, without the radio connected, and a Com Port appears in **Device Manager**, you have the **WRONG** programming cable. Locate the correct programming cable, or your dealer for a replacement.

Version 4.00 (August 15, 2025)

Highlights / Fixes:

- Satellite Feature Removed – Removed due to CPU limitations causing instability in V3.08N. If you rely on satellite, stay with V3.08N.
- APRS Download Fix – Corrected issue preventing APRS download into CPS.

Versions:

- Firmware: V4.00
- CPS: V4.00
- Icon Pack: V1.23
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.08N (June 14, 2025)

Highlights / Fixes:

- Monitor function now opens speaker to white noise.
- Fixed freezing with background images.
- Restored reception with A+D/D+A settings.
- “Repeater Out of Range” voice alert now works.
- Corrected satellite TX frequency and pass accuracy.
- Updated BT module to V10046 for better PTT reconnection.
- Radio now remembers BT PTT button pairing after reboot.

Versions:

- Firmware: V3.08N
- CPS: V3.08
- Icon Pack: V1.23
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.07 (April 29, 2025)

Highlights / Fixes:

- APRS performance improved.
- Restored GPS Info menu 'Edit' button.
- Corrected satellite AOS limit issue.
- Fixed missing audio with SQ=0 in satellite.
- Satellite names now display correctly.

Versions:

- Firmware: V3.07
- CPS: V3.07
- Icon Pack: V1.23
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.06 (January 23, 2025)

Highlights / Fixes:

- Added Maidenhead locator display in GPS data.
- Enabled APRS TX in Satellite menu (PTT+PF2).
- Enabled CTCSS/DCS TX in Satellite menu (PTT+PF1).
- Separate TX/RX color codes in channels.
- CSV import/export for satellite data in CPS.

Versions:

- Firmware: V3.06
- CPS: V3.06
- Icon Pack: V1.22
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.05 (December 12, 2024)

Highlights / Fixes:

- Independent satellite power setting.
- Fixed freezing during satellite prediction.
- Satellite menu no longer auto-exits.
- Master ID option added for all channels.
- New side-key option for analog squelch level.

Versions:

- Firmware: V3.05
- CPS: V3.05
- Icon Pack: V1.22
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.04 (September 15, 2024)

Highlights / Fixes:

- Introduced Satellite Mode with prediction list.
- New green GPS icon.
- AES256/ARC4 key import/export supported.

Versions:

- Firmware: V3.04
- CPS: V3.04
- Icon Pack: V1.22
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.03 (December 18, 2023)

Highlights / Fixes:

- Faster scan speed.
- BrandMeister SMS capture supported.

- CPS blocks AES/ARC4 key readout.
- New 'Dim Shut' backlight option.

Versions:

- Firmware: V3.03
- CPS: V3.03
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.02 (April 21, 2023)

Highlights / Fixes:

- Added Motorola-compatible ARC4 encryption.
- Adjustable voice header repetition.
- TX preamble adjustment.
- Improved SMS compatibility.

Versions:

- Firmware: V3.02
- CPS: V3.02
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10043

Version 3.01 (November 4, 2022)

Highlights / Fixes:

- Aligned 5-Tone decode/encode standards.
- AES256 keys can only be written, not read.

Versions:

- Firmware: V3.01
- CPS: V3.01
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033–10036

Version 3.00 (October 14, 2022)

Highlights / Fixes:

- Added 'None' option to RX Group List.
- Talk Group alerts per TG supported.
- New global beep options for idle state transitions.

Versions:

- Firmware: V3.00
- CPS: V3.00
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.27 (April 11, 2022)

Highlights / Fixes:

- Sub band defaults to OFF with GPS roaming.
- Removed Monitor and Sub-PTT from long key functions.
- Fixed CPS export compatibility.

Versions:

- Firmware: V1.27
- CPS: V1.27
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.26 (December 10, 2021)

Highlights / Fixes:

- Repeater connectivity restored.
- Talker Alias now saved properly.
- Added Talker Alias CPS management tool.

Versions:

- Firmware: V1.26
- CPS: V1.26

- SCT 3258: V2.01.07 BA

- Bluetooth: V10033

Version 1.25 (November 30, 2021)

Highlights / Fixes:

- TG/RX list selectable for new channels.

- Improved Single Frequency Repeater.

- Added APRS SMS messaging.

- Zone Hide function.

- Draft SMS folder.

Versions:

- Firmware: V1.25

- CPS: V1.25

- SCT 3258: V2.01.07 BA

- Bluetooth: V10033

Version 1.24N (May 31, 2021)

Highlights / Fixes:

- FM radio toggle bug fixed.

- APRS auto TX interval sync corrected.

Versions:

- Firmware: V1.24N

- CPS: V1.24N

- SCT 3258: V2.01.07 BA

- Bluetooth: V10033

Version 1.24 (May 26, 2021)

Highlights / Fixes:

- Custom date format options.

- Hide channel type/timeslot/color code.

- Separate idle tones for analog/digital.

(New Change Log Format provided by Jeremiah Mulford – W9JAM)

- Separate mic gain settings.

Versions:

- Firmware: V1.24
- CPS: V1.24
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.23 (April 13, 2021)

Highlights / Fixes:

- Talker Alias matches Radio ID.
- Analog APRS RX option in CPS.
- Fixed APRS beacon repeat bug.

Versions:

- Firmware: V1.23
- CPS: V1.23
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.22 (February 6, 2021)

Highlights / Fixes:

- More digipeater paths added.
- Key tone disable option.
- 5-Tone ID filtering.
- Fixed codeplug save bugs.

Versions:

- Firmware: V1.22
- CPS: V1.22
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.21 (September 18, 2020)

Highlights / Fixes:

- Busy indicator bug fixed for simplex TG dial.
- Fixed CPS TX permit bug.
- Fixed channel edit menu issue.

Versions:

- Firmware: V1.21
- CPS: V1.21
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.20P (September 8, 2020)

Highlights / Fixes:

- Improved TG handling in repeater hold.
- Fixed GPS info display bug.
- Corrected simplex/dual-slot save issue.
- Expanded 5-Tone settings.
- Added APRS send key function.

Versions:

- Firmware: V1.20P
- CPS: V1.20P
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.19 (June 16, 2020)

Highlights / Fixes:

- Custom zone name color.
- Auto power-off timer improvements.
- Scan noise fixed.
- New scan hold options.

- Updated default date.

Versions:

- Firmware: V1.19
- CPS: V1.19
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.18 (April 11, 2020)

Highlights / Fixes:

- CTCSS/DCS scan function.
- APRS RX displays callsign instead of channel.
- Fixed GPS+roaming reboot bug.
- TG transmit bug fix.

Versions:

- Firmware: V1.18
- CPS: V1.18
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.17 (January 16, 2020)

Highlights / Fixes:

- GPS and BT On/Off key functions.
- Improved scan speed (2x).
- TOT Predict warnings.
- TX Power auto-gain.
- Encryption fixes.

Versions:

- Firmware: V1.17
- CPS: V1.17
- SCT 3258: V2.01.07 BA

- Bluetooth: V10033

Version 1.16 (November 20, 2019)

Highlights / Fixes:

- Custom standby char colors.
- AES/Common encryption choice.
- Backlight/LED fixes.
- Talker Alias fixes.

Versions:

- Firmware: V1.16
- CPS: V1.16
- SCT 3258: V2.01.07 BA
- Bluetooth: V10033

Version 1.15 (September 27, 2019)

Highlights / Fixes:

- Improved DMR RX dropout.
- Fixed BT TX bug.
- Default APRS callsign APAT81.

Versions:

- Firmware: V1.15
- CPS: V1.15

Version 1.14 (August 10, 2019)

Highlights / Fixes:

- Expanded auto repeater offsets.
- AES encryption expansion.
- Multi-color callsigns.
- GPS mode selection.

Versions:

- Firmware: V1.14

- CPS: V1.14

Version 1.13 (June 8, 2019)

Highlights / Fixes:

- Increased digital contacts to 200,000.
- BT RX delay feature.
- CTCSS/DCS shortcut key.
- APRS SSID fixes.

Versions:

- Firmware: V1.13
- CPS: V1.13

Version 1.12 (April 30, 2019)

Highlights / Fixes:

- Restored wideband setup.
- Talker Alias RX fix.
- BT PTT battery/connection fixes.

Versions:

- Firmware: V1.12
- CPS: V1.12

Version 1.11 (March 22, 2019)

Highlights / Fixes:

- Amateur/commercial band separation.
- Black background option.
- 5-Tone encode bug fixed.
- Startup Reset option.
- Improved BT behavior.

Versions:

- Firmware: V1.11
- CPS: V1.11

Version 1.10 (December 30, 2018)

Highlights / Fixes:

- GPS test startup option.
- Roaming improvements.
- Exclude channel from roaming option.

Versions:

- Firmware: V1.10
- CPS: V1.10

Version 1.09 (November 28, 2018)

Highlights / Fixes:

- Roaming TG color fix.
- CPS installation bugs fixed.
- DCF file handling improvements.

Versions:

- Firmware: V1.09
- CPS: V1.09

Version 1.08 (November 10, 2018)

Highlights / Fixes:

- Frequency step = 1 MHz in VFO mode.
- New roaming wait option.
- Custom CTCSS supported.

Versions:

- Firmware: V1.08
- CPS: V1.08

Version 1.07 (October 23, 2018)

Highlights / Fixes:

- Roaming display options.
- Mute timing key function.

- Bug fixes for analog/digital transitions.

Versions:

- Firmware: V1.07
- CPS: V1.07

Version 1.06 (September 30, 2018)

Highlights / Fixes:

- Fixed DMR APRS Motorola repeater issue.
- New roaming alerts.
- Channel name color settings.

Versions:

- Firmware: V1.06
- CPS: V1.06