



AT-D890UV Firmware & CPS Change Log

Important: MCU Reset Required After Firmware Update

After Updating the firmware, make sure you turn the radio back off, Press and hold the PTT and PF1 Button, and while holding them, turn the radio back on. Keep holding them down. You should see "Are you sure you want to Initialize Radio" on the screen. Release when you see this, and press confirm. Radio will reboot and must be time must either be set or just press confirm to get to the main screen so you can reload your codeplug.

*** **USB Drivers** – For Windows 10 and Windows 11 systems, you do not need to install any drivers. Connect the radio with the programming cable, turn on the radio, and once it is fully booted up, Windows will detect and install the correct drivers. If you are still on the Date and Time screen, it will not detect the radio. You must be on the main radio screen.

For Windows 7/8 Systems, please install the USB driver available at: <https://w9jam.com/anytone-firmware-cps-guides/>

Firmware V1.06c | 2026-09-21 (as of right now, firmware is still beta)

Changes

1. **CPS > Tool > JSON Data Import/Export:** Added the ability to export a JSON file containing Optional Settings and other radio settings. Importing the JSON file preserves the maximum number of compatible settings across the D878UV, D878UVII, D578UV, D168UV, and D890UV models.
2. **-Reserved Entry for updates to change Log-**

Firmware	CPS	Icon	SCT 3288	Bluetooth	NR Board
V1.06c	V1.06	V1.02	V3_01_01A6	10024	V112

Firmware V1.05 | 2026-05-20

Changes

1. Improved analog APRS reception performance.
2. Fixed an issue where cross-band repeater mode only passed audio in one direction on analog channels.
3. Improved digital monitor reception effectiveness and sensitivity to align with performance across portable platforms.

4. Fixed an issue where **Online Alert** did not trigger during group calls on firmware V1.04.
5. Fixed an issue where sending DTMF tones from the Analog Address Book only functioned on VFO A (upper VFO) and produced no action on VFO B.
6. Improved AM air band scan speeds.
7. Fixed an issue where the radio failed to decode 2-Tone signaling when tone frequencies were close together (e.g., an 18.5 Hz gap).
8. Resolved performance and stability issues when paired with the BT03 wireless microphone.
9. Added support for **UTC+9:30** and **UTC+10:30** time zones.
10. Expanded scan group capacity limits from 50 channels to **100 channels**.
11. **NR Board Force Update Mode:** Added a forced firmware update mode (**PF1 + PF3** held during power-on) to allow re-entry into NR board updating if the APRS/NR version became corrupted or null.
12. Fixed an issue where the screen displayed "**Flash Error !! Check & Change**" following a firmware update.
13. Improved Bluetooth KISS TNC functionality for full compatibility with APRSDroid.
14. **Duplex MMDVM Hotspot Delay Note:** Addressed reports where radios failed to connect on the first two PTT attempts with duplex MMDVM hotspots due to synchronization timing delays near the 4-second hold timer threshold. (*Recommended MMDVM Host configuration adjustment: Set **DMR > TXHang** to **10** in WPSD / Pi-Star Dashboard*).

Firmware	CPS	Icon	SCT 3288	Bluetooth	NR Board
V1.05	V1.05	V1.02	V3_01_01A6	10024	V112

Firmware V1.04 | 2026-03-07

Changes

1. **Key Function:** Added **Freq Step** to key shortcut assignments for quick access to frequency stepping options.
2. **Device Settings:** Added APRS and Noise Reduction (NR) board firmware version details to the device information screen.
3. Fixed an issue where APRS prompt alert sounds failed to play.
4. **Radio Menu > Setting > Voice Func > SubSpk in TX:** Added an option to mute receive audio on the secondary channel while the primary channel is transmitting.
5. Fixed an issue where VHF signal reception was degraded when AM RX was enabled.
6. Fixed an issue where APRS beacons transmitted via APRSDroid appended extra incorrect numbers to packets.
7. Configured auto-backlight routines to remain active while operating in scan mode.
8. Fixed an issue where the **Last Call** screen failed to render contact callsigns.
9. Corrected system date and time synchronization errors occurring in UTC+0 and Professional Mode.
10. Added proper reply delays for SMS confirmation responses in NXDN mode.
11. Allowed independent frequency step configuration for AM air band channels separate from standard VFO channels.
12. **CPS > Optional Setting > Auto Repeater > Repeater Whitelist:** Setting Whitelist to **OFF** allows all Talk Groups and Digital Contacts to pass through cross-band repeat.

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V1.04	V1.04	V1.01	V3_01_01A6	10024	V112

Firmware V1.03 | 2025-12-25

Changes

1. Moved the Weather Alarm menu directly to the main menu labeled **NOAA**.
2. Fixed an issue where ARC4 encryption keys rendered incorrectly under specific conditions.
3. Improved CTCSS/DCS deviation levels on channels utilizing MDC1200 signaling.
4. Fixed a discrepancy where TX Preamble duration settings in the CPS differed from values stored on the radio device.
5. **Freq Sync:** Updated Frequency Synchronization to detect incoming CTCSS/DCS tones, prompting the user with an option to overwrite memory channel settings.
6. Fixed an issue where the MDC1200 address book on the radio did not match CPS settings.
7. Fixed a CPS bug that prevented large scan lists from rendering properly after reading from the radio.
8. Resolved display rendering glitches when disabling NOAA mode.

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V1.03	V1.03	V1.01	V3_01_01A6	10024	-