



AT-D578UVII

Firmware & CPS Change Log

The updates in this change log only apply to the AnyTone® AT-D578UVII Radio. Before doing any firmware updates, please check your model by going to the Device INFO Menu, located in Menu->Settings, and selecting Device Info. Under Model it will say 578UVII. If your radio says 578UV, please download the firmware package that shows firmware that starts with a 1.

*** 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 V2.09c | 2026-09-21

Changes

1. Fixed an issue where the D578UV cooling fan did not turn on as expected.
2. Improved digital APRS performance on AT-version radios.
3. Separated Color Code settings for TX and RX in channel settings.
4. **CPS > APRS:** Added 8 fixed position groups for fixed-beacon operation.
5. **GPS Info:** Added Maidenhead locator support to the GPS display.
6. Updated the GPS icon to a green satellite indicator (designed by IK8JHL).
7. Added Master Radio ID support (matching the feature on the D878UV).
8. Resolved the popping audio issue at the start of transmission or while listening to a QSO.
9. **CPS > Optional Setting > Other > Sub Spk in TX:** Added setting to disable audio; setting this to **OFF** resolves an issue where received APRS packet audio was being re-transmitted.
10. **Key Function:** Added an **ANA SQL** shortcut to allow quick adjustment of the analog squelch level. This feature is supported on both the radio and the BT01 microphone (requires BT01 firmware update).
11. Fixed an issue where incoming APRS packets would pop up and interrupt the display while composing an APRS SMS text message, returning the radio to the main screen.
12. **CPS > Tool > JSON Data Import/Export:** Added JSON configuration export/import support for all settings (including Optional Settings). Importing the JSON file preserves the maximum number of compatible settings across the D878UV, D878UVII, D578UV, D168UV, and D890UV models.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.09c	V1.22	V1.40	V2.01.07 BF	10043 or 19043	V2.00 / V1.06	V1.03c

Firmware V2.08 | 2024-06-19

Changes

1. Fixed an issue where the BT01 Bluetooth microphone would freeze on "Roaming... Please Wait!" when paired with the radio.
2. Fixed an issue where the **Zone Hide** setting failed to apply on the BT01 Bluetooth microphone.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.08	V1.21	V1.40	V2.01.07 BF	10043 or 19043	V2.00 / V1.06	V1.02

Firmware V2.07 | 2024-01-31

Changes

1. Fixed an issue where the green receive LED remained continuously lit after powering on radios loaded with firmware V2.06.2.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.07	V1.20	V1.40	V2.01.07 BF	10043 or 19043	V2.00 / V1.06	V1.01

Firmware V2.06.2 | 2023-09-25

Changes

1. Improved scan speed and added filtering to ignore brief signal bursts.
2. Updated SMS functionality to support Text Capture on BrandMeister networks.

- Updated the CPS to prevent reading AES / ARC4 encryption keys directly from the radio or codeplug files. *(Note: Export encryption keys using older CPS versions and save them to your PC prior to updating).*
- Fixed an issue where the D578UV occasionally froze while connected wirelessly to the BT01 microphone.
- Fixed an issue where a frequency shift occurred if the radio was powered on with repeater mode enabled by default.
- Updated AES encryption functionality to utilize a variable initialization vector (IV) rather than a fixed string (12345678).

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.06.2	V1.19	V1.40	V2.01.07 BF	10043 or 19043	V2.00 / V1.06	V1.01

Firmware V2.05 | 2023-04-21

Changes

- CPS > Digital > ARC4 Encryption:** Added Motorola-compatible ARC4 encryption support.
- CPS > Optional Setting > Digital > Voice Header Repetitions:** Added configurable voice-header repetitions to improve synchronization and audio decoding reliability on receiving radios.
- CPS > Optional Setting > Digital > TX Preamble:** Added preamble duration settings for data transfers to improve packet synchronization.
- Improved SMS confirmation mode compatibility with third-party radio hardware.
- Updated **Call Alert** behavior for full ETSI recommendation compliance.
- Fixed an issue where transmitting APRS while paired with the BT01 microphone caused the radio to freeze.
- Fixed an issue where the **BT MIC GAIN** setting in the CPS failed to load into the BT01 microphone during programming.
- Fixed an issue where the custom Bluetooth name on the BT01 microphone reverted after a reboot.
- Fixed an issue where a sudden power loss while scanning air band channels triggered a radio reset and forced a codeplug reload.
- Fixed an issue where the active air channel frequency failed to display during scan mode, keeping only the initial starting channel visible.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.05	V1.18	V1.40	V2.01.07 BF	10043 or 19043	V1.06	V1.01

Firmware V2.04 | 2022-12-08

Changes

1. **Channel > Analog > 5Tone ID:** Aligned 5-Tone decoding standards with current channel 5-Tone encoding settings.
2. Upgraded base firmware for full compatibility with the BT01 Bluetooth microphone.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.04	V1.17	V1.40	V2.01.07 BF	10043	V1.06	-

Firmware V2.03 | 2022-07-05

Changes

1. Configured sub-band operation to turn OFF by default when GPS Roaming is active, preventing the sub-band VFO from jumping channels randomly.
2. **CPS > APRS > Analog > PASS ALL:** Added **PASS ALL** mode. Enabling PASS ALL displays all received APRS packets regardless of CRC validation (may display corrupted packets). When OFF, only packets passing CRC error checks are displayed.
3. Improved analog APRS reception (requires APRS board firmware update to V1.04).
4. Fixed an issue where exporting **.dcf** files failed when using Contact Manager V270.
5. Fixed crackling audio during Single Frequency Repeater (SFR) operation (requires SCT firmware update to V2.01.07 BF).
6. **CPS > Scan List:** Added **Digi Group Hold Time** and **Digi Pri Hold Time** delay settings for digital signal reception during scan.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.03	V1.16	V1.40	V2.01.07 BF	10036	V1.04	-

Changes

1. Allowed users to assign Talk Groups and RX Group Lists directly when creating new channels via the radio menu.
2. Improved Single Frequency Repeater (SFR) stability.
3. **Radio Menu > APRS > APRS SMS:** Added APRS text messaging functionality to send and receive text messages between compatible radios.
4. **Radio Menu > Settings > Device Info:** Added display for the internal APRS board firmware version.
5. **CPS > APRS > Analog:** Added 8 analog TX frequency groups. Channels can select specific transmission frequencies under **Analog APRS Report Freq.**
6. **CPS > Common Setting > Channel > DMR Mode:** Added **DCDM TS Split** mode, allowing transmission on the secondary time slot while receiving on the primary slot (for use with D578UV repeater mode).
7. **CPS > Optional Setting > Auto Repeater:** Added **Rep CC Limit** (restricts repeater operation if Color Code does not match) and **Rep Slot Path A / Path B** (cross-slot repeat routing between channels A and B).
8. **CPS > Common Setting > GPS Roaming:** Added GPS coordinate location lists (up to 16 coordinates) to automatically switch radio zones when within a set radius.
9. **CPS > Common Setting > Zone > Zone Hide:** Added option to hide unused zones from the display menu.
10. **CPS > Common Setting > Optional Setting > Key Function:** Added **Ana APRS Info** shortcut for fast access to received APRS packets.
11. **CPS > Common Setting > Channel > Send Talker Alias:** Changed Talker Alias to a channel-specific setting rather than a global parameter.
12. **CPS > Tool > APRS Information Manager:** Added ability to read and export log histories of received APRS messages.
13. **Messages:** Added a **Drafts** folder to save unsent SMS messages for re-transmission.
14. Added support for time zones: GMT+5:30, GMT+5:45, GMT+4:30, GMT+3:30, GMT-3:30, and GMT+8:30.
15. Reduced incoming APRS message priority so incoming packets do not force the user out of active radio menus.
16. Corrected inaccurate altitude reporting in analog APRS packets.
17. Resolved distorted alert tone playback issues.
18. Enabled Time-Out Timer (TOT) protection for cross-band repeater operation.
19. Extended AM air band reception capability up to 145 MHz (**138–145 MHz AM**).
20. **Radio Menu > APRS > Ana APRS Info > APRS Verify:** Added error-verification toggle; disabling error-code verification can improve reception on weak analog APRS signals.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.02	V1.15	V1.40	V2.01.07 BA	10036	-	-

Changes

1. **CPS > Optional Setting > Display:** Added customizable **Date Display Format** options.
2. **CPS > Optional Setting > Display:** Added options to hide **Channel Type**, **Time Slot**, and **Color Code** indicators on the main screen.
3. **CPS > Optional Setting > Alert Tone:** Added separate idle-channel alert tone options for digital and analog channels.
4. **CPS > Channel > Auto Scan:** Added an auto-scan toggle to begin scanning automatically upon channel selection.
5. **CPS > Optional Setting > Volume/Audio:** Added independent microphone gain settings for digital and analog channels.
6. **CPS > APRS > Ana AprsTX:** Added Wideband and Narrowband bandwidth selection for analog APRS transmissions.
7. Added menu options to configure alert tones directly from the radio keypad.
8. **CPS > Analog > 2Tone / 5Tone / DTMF Settings:** Extended **Auto Reset Time** limits up to 250 seconds for paging system compatibility.
9. **CPS > Optional Setting > AM/FM:** Added independent AM squelch level adjustments.
10. Renamed AM configuration settings to **AM Air**.

Firmware	CPS	Icon	SCT 3258	BT Version	APRS Version	BT01 Firmware
V2.01	V1.14N	V1.40	V2.01.07 BA	10036	-	-

How to check your firmware version

Press  (Menu) key to enter the menu, turn the channel knob to Device Info and open the menu to check the model.

D578UV --- Please use the firmware D578UV_V1.xx for updating the radio.

D578UVII --- Please use the firmware D578UVII_V2.xx for updating the radio.

If you use the wrong firmware for the update, the radio will display “version error”. After loading the correct firmware, it will work fine.

Model Name	D578UV/ D578UVIII	D578UVG/ D578UVIIIG	D578UV PRO/ D578UVIII PRO	D578UV PLUS / D578UVIII PLUS
Included	No GPS/BT	GPS	GPS & BT	GPS, BT, Air band
Glass print	Black	Black	Black	Black + Silver
Analog APRS TX	No	Yes	Yes	Yes
Analog APRS RX	No	No	No	Yes

Digital APRS TX	No	Yes	Yes	Yes
Digital APRS RX	No	Yes	Yes	Yes
Air band RX	No	No	No	Yes
Memory IC capacity	2G	2G	2G	2G
Digital Contact	500,000	500,000	500,000	500,000
Firmware	D578UV	D578UV	D578UV	D578UVII
CPS	D578UV	D578UV	D578UV	D578UV