

SmartSDR v4 Changelog

The SmartSDR™ v4.x changelog lists software and firmware updates and fixes across SmartSDR for Windows, SmartSDR for the M-Models, and Maestro.

SmartSDR v4.1.3 – December 3, 2025

Feature/Defect	Description
	Software support of the Aurora radios AU-510(M) and AU-520(M)
SMART-12007	Improved database migration between updates. It is still required to factory reset your radio after a software downgrade
SMART-11578	Fixed NRL operational inconsistencies
SMART-11900	Fixed NR operational inconsistencies
SMART-11902	Fixed NR operation during transmit
SMART-12033	Fixed an issue where NR muted Slice B
SMART-11923	Fixed NR status message errors
SMART-11977	Fixed ANFT removing all audio when directly on top of an AM carrier
SMART-11986	Fixed ANFL not working on SSB
SMART-11987	Fixed NB for FLEX-6000 Series Radios
SMART-11744	Fixed an issue where DAX audio was briefly transmitted at the time of PTT
SMART-11799	Fixed a profile Import/Export bug
SMART-11995	Fixed the MIC and TX profile issue where not all settings were saved
SMART-11885	Fixed issue affecting FLEX-6000 Series, where a snare drum-like noise would happen when turning NR off with NRL enabled
SMART-11899	Moved the Maestro DVK menu up to just below Memory
SMART-11973	Fixed the Maestro DVK Menu needing to be scrolled to see the subscription notification
SMART-11974	Fixed Maestro DVK Menu displaying the keyboard, but not allowing edits
SMART-11998	Fixed multiple F-key selections of DVK overriding each other
SMART-11955	The Escape key now stops DVK playback in progress
SMART-12028	Improved error handling and reporting of DVK imports
SMART-12055	Improved DVK F-keys experience on Maestro
SMART-11910	Fixed the brief display issue with blank panels when launching SmartSDR
SMART-11914	Noise Mitigation options are now hidden in OPT modes on Maestro
SMART-11920	Made SmartSDR+ licensed radios show the Get SmartSDR+ button access when close to expiration for clarity
SMART-11943	Fixed error when using License Upload and clicking cancel or closing the file selection
SMART-11951	Fixed TGXL ATU Tune staying in two-tone mode (will now properly use single tone)
SMART-11954	Fixed an issue where toggling ESC would peg the S-meter on FLEX-8000 Series Radios
SMART-12021	Improved the ESC UI experience by making the child slice audio controls inaccessible

SMART-11958	Fixed ESC Slice audio panning inconsistency. Now your DIV and ESC slice audio settings will be saved independently. DIV defaults to a level of 50 with left/right pan. ESC defaults to a level of 50 panned in the center.
SMART-12019	Enabling ESC now shows the child slice as muted
SMART-11965	Resolved signal chain inconsistencies across platforms
SMART-11968	Added warning language about database/factory reset when downgrading versions
SMART-11971	Fixed Maestro DIV ESC display staying open when DIV is disabled
SMART-12000	Fixed DIV ESC not working at gain level 0
SMART-11853	Added band persistence to new noise algorithms
SMART-11926	Fixed API usage error showing agc_off_level out of bounds (1663053885) for valid levels
SMART-11952	Fixed N1MM Voice Keyer Mic command not being honored
SMART-11970	Fixed issue where APD was incorrectly displayed on FLEX-6600M
SMART-11976	Fixed missing FM options in the slice flag
SMART-12015	Added CW AutoTune to Maestro and M-Model Function Key lists
SMART-12032	Fixed an issue where RCA TX REQ inhibited transmit for the Bands not selected in TX Band Settings
SMART-12048	Added new Noise Filtering algorithms to Profiles
SMART-11304	Improved APD experience when it became inoperative after multiple power settings changes, and failed to calibrate
SMART-11953	Update EULA with Company Name, FLEX-8000 Series, and Aurora radios
SMART-10822	Fixed CW Delay settings from changing when ATU is enabled on FLEX-8000 radios
SMART-11981	Improved handling of v1 and v2 radios connecting to SmartSDR v4+
SMART-12049	Fixed an issue that would cause motorboating-like noise when adjusting XIT

SmartSDR v4.0.1 - October 30, 2025

Feature/Defect	Description
SMART-11431	<p>New DSP Noise Mitigation: We have updated and added a variety of new noise reduction/mitigation algorithms to the 6000 and 8000 series radios. The new noise mitigation features are designed to cater to different types of noises, environments, and setups. Multiple Noise Mitigation functions can be used simultaneously. Toggle the various noise mitigation functions on and off to taste.</p> <p>NRF - Spectral Subtraction Filtering Algorithm NRS - Spectral Subtraction with Voice Detection RNN - AI Noise Reduction NRL - NR algorithm using LMS (Least Mean Squares) ANFL - ANF algorithm using LMS ANFT - ANF algorithm using FFT (Fast Fourier Transform)</p>
SMART-3985	<p>Digital Voice Keyer: Digital Voice Keyer (DVK) allows recording, playback, and transmission of up to 12 voice recordings stored on the radio.</p>
SMART-10570	<p>Enhanced Signal Clarity (ESC): ESC is a unique diversity reception feature that is only available on dual SCU radios. Enhanced Signal Clarity (ESC) in diversity. ESC combines signals from multiple antennas to optimize audio receive capabilities via beamforming/null forming. Used to accentuate desired signals (constructive interference patterns) or to remove undesired signals (destructive interference patterns) to improve signal quality. This does not affect the displayed panadapter or waterfall, but metering will be affected.</p>
SMART-9958	<p>Relative Noise Floor Scaling: This feature automatically adjusts the displayed noise floor to maintain a visually consistent reference level as you operate on different bands and antennas. This feature makes it easier to compare signal strengths and visually interpret band conditions.</p>
SMART-11332	<p>CW Auto Tune: Introducing CW Auto Tune. CW Auto Tune automatically tunes the active slice receiver to CW signals within the passband, simplifying the process of locking onto CW transmissions. There are two modes of operation: One-Shot or Intermittent Mode.</p> <ul style="list-style-type: none"> • One-Shot - Auto tunes once to the highest signal on the click of the AUTOTUNE button • Intermittent – Continuously auto-tunes to the highest signal every two seconds when the AUTOTUNE button is enabled.
SMART-10956	Implemented SmartSDR+ Subscription in support of future v4.0 deployment
SMART-11309	Wide Noise Blanker (WNB) is now only accessible in the Antenna menu rather than in addition to the Slice DSP menu.
SMART-11597	Improved error logging when Tune Power is set higher than RF Power
SMART-11545	The Maestro Analog meter scale now matches other RF Power Out meters with 40, 80, 100, and 120 markings.
SMART-8466	SmartSDR now honors the locale settings and displays the appropriate date format.
SMART-11198	Fixed an issue where the PGXL Amp Temp was displayed in the wrong color
SMART-9596	Fixed an issue where the Network menu was not displayed correctly on some computers
SMART-11589	Fixed an issue where Diversity Slice did not persist configuration settings
SMART-11130	Fixed a false 10 MHz detection issue, which could result in clocking issues and a Slice being off frequency. <i>Note that External 10MHz will no longer be a source for the Auto option. When using an External 10 MHz as your clock reference, you will need to manually select the External 10 MHz option. The Clock Reference setting is now persisted over power cycles.</i>
SMART-11424	Fixed an issue where APF was not cloned properly with DIV enabled

SMART-11551	Fixed an issue where VOX could briefly trigger transmit on the wrong Slice when switching TX Slices
SMART-11556	Fixed an issue where FM Squelch would suddenly stop working
SMART-11505	Fixed APD API Status messages not changing between Active and Cal
SMART-11358	The ATU button no longer stays highlighted in the event of an ATU Tune failure.
SMART-11704	Fixed a DAX Unhandled Exception (UHE): Object not set to an instance of an object upon closing the application.
SMART-11735	Fixed an issue where the IQ Stream did not terminate after client disconnection
SMART-9103	The SmartLink Session Expired message is now worded more clearly.
SMART-11543	Fixed an issue where the peak hold meter segment would lag behind the peak meter
SMART-11734	Added percentage symbol to Max Power menu items for clarity
SMART-10948	Fixed Unhandled Error: Cannot animate the 'Text' property on a System.Windows.Controls.TextBlock
SMART-11720	Fixed the disconnect command to prevent a crash on invalid use
SMART-11773	Fixed a DotNetZip vulnerability
SMART-9084	Maestro changed the "Switch Radio" button to "Choose Radio" to be consistent with SmartSDR for Windows.
SMART-9661	Frequency range limits are now better handled by the client.
SMART-11880	ATU: 2-tone Tune option doesn't revert to single tone for ATU tune
SMART-11918	DAX IQ: Fixed the older version of the stream create command, causing incorrect byte orientation
SMART-11364	Fixed RTTY showing no RF carrier when using the TUNE feature.
SMART-9529	Tune Button no longer remains blue after Tune is deactivated due to a frequency change.
SMART-11507	APD does not recalibrate when going from TUNE to MOX at different power levels

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