SmartSDR v4 Changelog

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

SmartSDR v4.3.19 – November 17, 2026

Feature/Defect	Description
SMART-13286	The following features released in v4.3.16 for Early Access are now available to SmartSDR+ licensed radios. - Auto AGC-T - AutoDX
SMART-13480	New Tune TX Suppression (Tune Supp) column in the TX Band Settings in SmartSDR and Maestro. When enabled, TX1, TX2, and TX3 RCA outputs are left off while the radio is in TUNE but active during MOX. This is useful when keying an amplifier from an RCA TX output but want to keep the amplifier out of line while tuning.
SMART-13315	Fixed the AutoDX CW Decoder reporting a slower WPM than the incoming CW
SMART-13316	Fixed the AutoDX CW decoder displaying gibberish while transmitting
SMART-13327	Fixed Auto AGC-T so it works in CW, DIGU, DIGL, and RTTY
SMART-13341	AutoDX is now available in Maestro SmartControl mode
SMART-13376	Fixed View Unlocked Features showing "MultiFLEX" instead of "multiFLEX"
SMART-13377	Maestro: Toggle AutoDX no longer appears in the function key menu when AutoDX isn't licensed or functional (e.g., FLEX-6000 Series)
SMART-13378	Fixed a duplicate separator in the SmartSDR for Windows Panadapter > Display menu (FLEX-6000 series only)
SMART-13379	Maestro: Fixed the AGC annunciator clipping with Auto AGC-T
SMART-13428	Fixed: Radio static IP setup leaving the radio without DNS, which broke SmartLink (FLEX-8000 and Aurora series only)
SMART-13456	Fixed the radio reporting the wrong subnet mask with a static IP address
SMART-13458	Fixed a missing space between the Mask label and its value on the Radio Setup Network tab
SMART-13483	Fixed the first link-local connection to a FLEX-6000 series radio failing (FLEX-6000 series only)
SMART-13593	Fixed an Unhandled Exception: Object reference not set to an instance of an object related to DVK recordings
SMART-13599	Fixed 8000/Aurora radio updates failing when the radio was using a Static IP
SMART-13598	Fixed an issue where the Maestro wouldn't properly connect to the radio, leaving a blank Panafall

SmartSDR v4.3.16 – October 13, 2026

Feature/Defect	Description
SMART-10569	Introducing AutoDX for Aurora and FLEX-8000 Series radios. The ADX window in SmartSDR and Maestro decodes incoming CW to text. AutoDX needs a split: two Slices in CW on different frequencies, with one TX enabled. Enter the DX callsign in Detect and your Exchange, enable AutoDX, and the radio calls and responds automatically. Available with a SmartSDR+ Early Access license.
SMART-2134	Auto AGC-T: automatic threshold setting based on the noise floor adjacent to the Slice. Off by default and applied per Slice. Available with a SmartSDR+ Early Access license.
SMART-11860	Expanded DSP Algorithm Controls. New DSP Controls Panel with level sliders for all users, plus advanced per-algorithm parameters for SmartSDR+.
SMART-10565	New NTP Time Sources tab in SmartSDR for Windows, where the radio is pointed at up to 10 network sources to synchronize its clock (FLEX-8000 and Aurora only).
SMART-12528	Introduced new CAT and DAX setting Confirm Exit. Provides the option to defeat the dialog pop-up that confirms that you want to close DAX or CAT. On by default.
SMART-12593	Added Noise Floor Range Adjustment. This controls the range (in dB) of the noise floor allowed before the panadapter is repositioned to help combat oscillations when zoomed in. Noise Floor Range can be set from 0 to 10 dB in increments of .5 dB, and defaults to 1.5 dB. It is a single setting applying to all of your panadapters. Noise Floor Detection is only available on the FLEX-8000 and Aurora Series radios with a SmartSDR+ license.
SMART-12645	Added CW Profiles, a profile type covering CW keyer, sidetone, and CWX settings.
SMART-12713	Added a Maestro/M-Model F-Key action, Toggle Breakin, that toggles CW Breakin on and off.
SMART-12931	Added a user-selectable PTT Override setting. When enabled, hardware PTT (RCA or footswitch, ACC, or mic jack) transmits the last used analog mic input even while DAX or remote TX audio is selected. Disabled by default. Follow-up to SMART-9340.
SMART-9340	No longer switch Mic input when using Hardware PTT. A new option has been added in addition to this change; see SMART-12931.
SMART-11290	SmartSignal (APD) improvements and features are no longer in Beta.
SMART-11227	Fixed UHE related to APD updates
SMART-12385	Fixed Radio Panel not displaying properly after initial launch.
SMART-12479	Add TX1/2/3 enable/toggle options on Maestro/M Model Function buttons.
SMART-12498	Added optional disable of TX1/2/3 interlocks before going into TUNE mode
SMART-12532	Suppression of TX RCA ports during TUNE is now optional.
SMART-12540	Exposed NRS and ANFT parameters to API
SMART-12626	Improved SmartLink Login failure error handling for more detailed troubleshooting due to OS time-related problems
SMART-12629	Improved SmartCAT Winkeyer emulation timing to eliminate hang
SMART-12655	Fixed CW element and char-space timing/jitter
SMART-12660	Fixed CAT UHE related to new filter presets
SMART-12661	Fixed incorrect filter preset mapping when selected through CAT port
SMART-12246	Fixed DVK recordings distorted during transmit but clean during Preview on 6000 Series Radios
SMART-12672	Fixed CW AutoTune changing frequency during active transmit, causing PGXL High SWR alarms.
SMART-12730	Fixed SmartSDR DVK upload silently failing if a space is used in the file name

SMART-12625	Fixed an issue where APD shows "Calib" instead of "Active" after APD calibration with 2-tone TUNE
SMART-11960	Fixed an issue that caused a pulsing tone when applying APF on FLEX-6400M and -6600M.
SMART-12488	Waveform Manager (SmartSDR → Waveforms menu) now allows environment variables for the container at deploy and restart time.
SMART-12850	Radio's Nickname can now be cleared via the API, SmartSDR, and Maestro interface.
SMART-11339	Fixed UHE - Process must exit before requested information can be determined
SMART-12725	Fixed numerous issues when quickly disconnecting from one radio and connecting to another. This includes flashing UI elements, panafall freezing, and more.
SMART-12813	Maestro/M model: Double-tapping the frequency no longer incorrectly pops up the QWERTY keyboard
SMART-12892	Fixed new waveform container missing status messages
SMART-12906	Made minor visual changes to DIV/ESC menu on Maestro and M-Models
SMART-12993	Aurora Radios now set fan to high when transmitting.
SMART-7876	Fixed UHE: 'Sorting' is not allowed during an AddNew or EditItem transaction
SMART-11407	Fixed UHE: Maestro- Destination Array not long enough
SMART-12197	API: Fixed command sequence gets into a state where the 'display panafall' command always fails
SMART-12652	Updated log4net to v3.3.0+ to address a security vulnerability
SMART-12699	Maestro SmartSDR+ and Early Access lockout UI is now consistent.
SMART-12860	Improved Waveform loading, handling, and updated API interaction.
SMART-12862	API: Fixed 'slice create' response missing slice number when GUI client has no matching panadapter
SMART-12894	APD sampler selection now persists with TX profiles
SMART-12863	Fixed CW RX return delay being ~2x the CW Delay
SMART-12937	Fixed FM 1750 Hz tone burst not functional on transmit (FLEX-8000-only, depends on region)
SMART-12938	Replaced DotNetZip with ProDotNetZip to address a security vulnerability.
SMART-9799	Fixed an issue with memories where the wrong mode was recalled
SMART-10453	Updated DAX Transmit informational pop-up to be more descriptive.
SMART-12336	Fixed UHE: Safe handle has been closed
SMART-12603	Fixed an issue where Aurora front panel brightness setting was not remembered
SMART-12605	Improvements to Windows applications: .NET options require .NET 8 Desktop runtime for faster startup and fewer false-positive triggers
SMART-12700	Changed all uses of the word 'subscribe' to 'license'
SMART-12959	Changed Aurora OverCurrent alarm message to inform user on actions to take
SMART-12420	Fixed FreeDV (FDVL/FDVU): TX filter display in panadapter incorrect when switching modes
SMART-12905	Fixed CW with external keyer timing following RX->TX transition
SMART-13024	Fixed Maestro can no longer update without selecting a radio.
SMART-12723	Fixed loading a Mic Profile changed the Receive Bandwidth
SMART-13051 SMART-12600	Fixed RX Ant display showing blank when DIV is enabled
SMART-12670	Fixed XVTR band entries disappearing.
SMART-12673	SmartSDR now confirms with a prompt before restoring default filter preset values.

SMART-12808	Fixed unpredictable DAX RX stream levels. Should now consistently respect DAX gain settings.
SMART-12872	CW default receive filter bandwidth has been changed from 400 Hz to 500 Hz
SMART-13044	Fixed DVK Playback getting stuck in transmit when interrupted by VOX
SMART-13072	Fixed Preset Filters interaction with DIGx Modes. Offset is now consistently used.
SMART-12623	DAX TX stream no longer shows Transmitting when keying CW
SMART-12773	Aurora radios now limit power to 250 W when the ATU tunes a load worse than 3:1. The ATU can match these loads, but the resulting voltages and currents make full power inadvisable. The radio measures unmatched SWR at the ANT connector just before each tune cycle. Above 3:1, the tune completes, and power is capped at 250 W; below 3:1, full power is allowed. The cap remains until another tune measures untuned SWR below 3:1, or the ATU is disabled.
SMART-12788	DAX RX streams are no longer silent when streams are started with the Slice muted
SMART-12996	Fixed Aurora PA fault that wouldn't clear
SMART-10596	Fixed SmartLink radios not showing and GUI reports 'No Internet' incorrectly.
SMART-13167	Fixed TGXL panel dims when a non-TX slice with TX Ant XVTA is selected on a second panadapter
SMART-12122	Fixed receive audio not returning after transmit in CW Mode with DIV ESC enabled. Applies to the FLEX-6000.
SMART-12152	Added Unlocked Features display in SmartSDR Settings>Radio Setup>Radio License Info and Maestro/M Model Menu>Radio>License Info.
SMART-12650	Fixed incorrect internal ATU state after TGXL disconnection
SMART-12779	Fixed PC Audio dropouts with SmartSDR ARM stations with Maestro SmartControl
SMART-13147	Updated TURF file for Bulgaria
SMART-12534	Fixed an issue on some FLEX-6600/6600M that caused random disconnects and reset states after extended operation
SMART-12805	Fixed Maestro over SmartLink not displaying the DVK recordings in the Function Key Menu
SMART-13007	Fixed MultiFLEX changes break slice-to-waveform TX audio routing — slice stays in FDVU and enters TX, but no waveform RF is produced (Docker FreeDV, 8600 + Aurora)
SMART-13193	Fixed CAT ZZFI selects a 6 kHz RX filter instead of 3 kHz in DIGU and ignores data-mode bandwidth changes.
SMART-13206	Added 60m to the GBR (UK) region
SMART-13249	Fixed APD accepting a sampler port the radio does not have
SMART-11500	APD: button not visible intermittently; comes back after pop-out/in
SMART-11501	APD: Improved pedestal spectral regrowth
SMART-11685	APD: Now works (goes Active) in AM modes
SMART-12209	APD: Now works (goes Active) with Two-Tone Tune mode
SMART-12721	Fixed CAT UHE: closing CAT after it was running for a long time generated UHE
SMART-12812	Fixed uneven spacing/highlighting on icons in the bottom bar of SmartSDR for Windows
SMART-12819	APD: Indicator now reflects actual status consistently
SMART-12828	Fixed DAX TX in wrong state from N1MM macro on Slice B fails to transmit in SO2R
SMART-12831	Waveform Manager: CAT no longer adds a duplicate row each closing and reopening cycle.
SMART-12840	SmartControl: Display no longer comes up blank on first connection after a firmware upgrade
SMART-12861	Waveform Manager now shows images loaded even through power cycles.

SMART-13241	Fixed DVK: Maestro F-Key menu does not show a newly named recording until Maestro is restarted
SMART-13043	Fixed DVK Function key slots not listing or recalling the correct recordings.
SMART-13232	TGXL: Fixed meter display not updating
SMART-13233	PGXL/TGXL: Fixed meters intermittently not updating, requiring a radio or amp/tuner reboot to recover
SMART-13236	API: Meter creation no longer mints a duplicate instead of reusing an existing client meter
SMART-13237	PGXL/TGXL: A reconnecting device no longer appears as a second object instead of replacing the stale one
SMART-13239	PGXL/TGXL: Improved socket handling to harden the interface and improve connection reliability

SmartSDR v4.2.20 – June 3, 2026

Feature/Defect	Description
	The following features released in v4.2.18 for Early Access are now available to SmartSDR+ licensed radios. - User Configurable RX Filters - Display TX Filter on Panadapter - Band Plan/Band Edge Markers
SMART-12729	Fixed: FDX does not work with single SCU radios.
SMART-12734	Changed default CW Receive Filter presets to 50 Hz, 100 Hz, 250 Hz, 500 Hz, 1 kHz, and 3 kHz. The 1 kHz and 3 kHz options are now pitch-aware. Reset factory settings after updating to v4.2.19 to expose new default values.
SMART-12738	Fixed receive audio going silent after 30 seconds to 2 minutes of connection to SSDR and Maestro in some setups
SMART-12758	Changed default Digital Receive Filter presets to 100 Hz, 300 Hz, 600 Hz, 1 kHz, 3 kHz, 6 kHz. Reset factory settings after updating to v4.2.19 to expose new default values.
SMART-12780	Fixed Maestro drops remote audio after ~3 min.
SMART-12747	Mic Gain Slider now adjusts the PC Mic
SMART-12735	Restored the Offset menu item in the Slice Flag DSP Menu when set to Digital modes
SMART-12536	Fixed an issue where the TGXL Tune command from SmartSDR and API was not triggering Tune
SMART-12748	Fixed an issue with 6000 Series Radios where receive audio would not come back promptly after keying CW with some setups.
SMART-12772	XVTR output power now scales with the RF Power setting
SMART-12743	Fixed an issue where the Tune button didn't trigger Tune on some XVTR bands

SmartSDR v4.2.18 – April 28, 2026

Feature/Defect	Description
SMART-10364	Maestro C: Iambic A is now persisted correctly
SMART-11895	DVK Preview audio is now sent to the DAX RX streams
SMART-12110	Infrastructure performance improvements for slice processing
SMART-12119	CAT/DAX: The disconnect button is now shown on the Radio chooser
SMART-12121	Global Profiles with DIV active no longer mute Slice A on FLEX-6000 Series radios
SMART-12125	Maestro F keys are now correctly assigned to DVK recordings.
SMART-12135	CW Autotune function button selection is now persistent between power cycles.
SMART-12138	Updated MAC resolution for DAX IQ to properly handle non-local IP addresses.
SMART-11503	Fixed APD working in a MultiFLEX environment. Now each client has an accurate state. The radio stores an equalizer per frequency per power level, and both clients access the same calibration list.
SMART-12080	The TURF region is now included in the Radio Status Information.
SMART-12136	Fixed an issue where the ESC child slice hears signals ~500 Hz up, improving overall DIV ESC performance
SMART-12148	Fixed Fill and Gain control locations being swapped in the SmartSDR for Windows Display menu.
SMART-12193	Fixed an issue where radios without internet access were assigned the incorrect region.
SMART-1885	Added the Czech Republic TURF Region
SMART-5318	Added South Africa TURF Region
SMART-6571	Added Portugal TURF Region
SMART-7144	Added India TURF Region
SMART-9719	Added Ireland TURF Region
SMART-12134	TURF Changes: New 60m allocation for the US
SMART-12171	Fixed the issue where the Tune button stayed blue after an interlock fault
SMART-12174	Fixed Flex API issue that stopped SmartSDR ESC parameters from updating in SDK projects
SMART-12196	Fixed issue with Aurora meters showing the wrong meter scale after band change
SMART-12220	Fixed ANF for FLEX-6000 series radios
SMART-12225	Fixed an issue where the child slice audio gain always defaulted to 50 in DIV ESC
SMART-12235	Fixed Maestro error messages misspelling of 'occurred'
SMART-12194	Fixed SmartControl Power Out control with Aurora Radios
SMART-12149	The FM Offset Indicator now correctly displays the direction of the frequency offset.
SMART-11907	Created a 'heartbeat' indicator for APD Active and Cal to indicate cycles
SMART-12071	Updated CWX timing to improve audio "blips"
SMART-12122	Fixed receive audio not returning after transmit in CW Mode with DIV ESC enabled
SMART-12180	Improved error messaging and interaction for attempts to transmit out of band
SMART-12208	Fixed Aurora RF Output Power exceeding limits following Tune
SMART-12224	Fixed an issue with no Power Out with Single Tone Tune in RTTY with two DAX IQ channels streaming
SMART-12245	Fixed an issue with Aurora where Tune and MOX incorrectly greyed out following a Band change
SMART-12250	DVK Playback now honors the Monitor setting

SMART-10349	The Maestro Frequency entry touch area has been increased.
SMART-12150	SmartSDR Basic is now displayed in the License Info area (instead of None)
SMART-12260	Fixed APD Performance with Tune
SMART-7965	DAX Driver Upgrade
SMART-9674	FlexVSP Driver Upgrade
SMART-10198	Fixed various DAX Driver installation problems
SMART-10306	Fixed corrupt FlexVSP Drivers after Windows 11 updates
SMART-10665	Resolved the need to disable Windows Core Isolation to install DAX
SMART-12319	Updated Radio Setup Menu to accommodate new tabs
SMART-12023	Fixed an issue with DSP algorithms that caused glitches when adjusting parameters
SMART-11020	Fixed an issue that caused the APD button to be hidden when opening and closing the application
SMART-11492	Fixed UHE: cannot access a disposed object. Object Name: 'System.Net.Sockets.Socket'
SMART-11568	Fixed various antivirus scrutiny and Unhandled Exception errors
SMART-12014	Added toggle function for new DSP items in Maestro F-Keys Menu
SMART-12117	Fixed issues with Maestro and M Model Front Panel interface, allowing DIV child slice panning when DIV ESC was enabled
SMART-12175	Fixed UHE: Object reference not set to an instance of an object
SMART-12254	Cleaned up the Maestro TX Menu to be more cohesive
SMART-12359	Fixed an issue where DVK audio was recorded at ~1/2 speed and distorted when both multiFLEX clients had the DVK panel open
SMART-12398	Reworded menu item 'Use Low Latency Filters for Digital Modes' to 'Use Low Latency Filters for PACTOR'
SMART-12429	Fixed DVK UHE System.ArgumentOutOfRangeException
SMART-12311	Fixed an issue that would not allow the use of the internal tuner on any antenna with TGXL connected
SMART-12446	TCP client cleanup
SMART-12477	Fixed CSI CW issues
SMART-12594	Updated SmartSDR, Maestro, and M Model End User License Agreement (EULA)
SMART-12630	Fixed CW RF waveform envelope hard cutoff at the end of keying when QSK is enabled
SMART-11470	Fixed an issue where a Slice was not created following an HRESULT 0x80070490 error with PC Audio unselected
SMART-2391	Long-duration DPC "hit" no longer corrupts the DAX driver.
SMART-4839	Fixed DAX: Residual or "ghosted" audio ports left in Device Manager after DAX is uninstalled. This could have caused problems during reinstallation.
SMART-8460	Fixed DAX installation issues when Core Isolation Memory Integrity is enabled
SMART-8905	Fixed DAX BSOD in portcls.sys
SMART-9970	Fixed DAX installation conflict issues with Realtek Audio Driver
SMART-11729	CAT no longer hangs when autostarted with SmartSDR on a fast PC
SMART-12129	Fixed an issue where transmitting DVK in multiFLEX did not properly return to receive when complete
SMART-12141	Turf Change: Modified Italy ITA for new 160m band allocation
SMART-12207	CAT no longer reports all interfaces as 'Not Present' when connected to an Aurora radio via Smartlink
SMART-12252	Maestro no longer disconnects from AU-520 over SmartLink when navigating to or away from 6m

SMART-12253	Maestro can now connect to Aurora Radios in SmartControl via SmartLink.
SMART-12259	SmartSDR now shows the correct APD status when using Tune.
SMART-12277	Fixed an issue where APD stopped working after inactivity
SMART-12288	Fixed an issue with Aurora radios not putting out full power in 10M until Tune
SMART-12364	Fixed DAX cannot connect to SmartLink radio with Auto-connect Last Radio enabled
SMART-12367	Improved DAX IQ SmartLink restriction messaging and visibility
SMART-12399	Maestro Filters menu items moved to Phone/CW Menu.
SMART-12431	DAX TX Mic can now be used as the DVK recording source
SMART-12478	Fixed SmartSDR CAT UHE: There is no item (possible reason: index is too high)

SmartSDR v4.1.5 – December 16, 2025

Feature/Defect	Description
SMART-11954	Fixed an issue where toggling ESC would peg the S-meter on FLEX-6000 Series Radios
SMART-12099	Fixed DIV ESC slice audio controls to be consistent with the operation intent (SmartSDR-Win)
SMART-12118	Fixed an issue where profiles with DIV access were restored with DIV ESC enabled
SMART-12129	Fixed multiFLEX DVK playback not properly transitioning from transmit back to receive

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 an 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 an 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 setting 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	**New DSP Noise Mitigation**: We have updated and added a variety of new noise reduction/mitigation algorithms to the FLEX-6000 and 8000 series radios. The new noise mitigation features are designed to cater to different types of noise, environments, and setups. Multiple Noise Mitigation functions can be used simultaneously. Toggle the various noise mitigation functions on and off to taste. 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)
SMART-3985	**Digital Voice Keyer:** Digital Voice Keyer (DVK) allows recording, playback, and transmission of up to 12 voice recordings stored on the radio.
SMART-10570	**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 reception 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.
SMART-9958	**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.
SMART-11332	**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. • **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. *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.*
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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