SmartSDR™ Version 3 ChangeLog

The ChangeLog for SmartSDR v3 documents significant changes between versions for SmartSDR for Windows, SmartSDR for the M Models, and Maestro.

v3.9.19 General Release 2025-07-08

[SMART-11274] Fixed SmartControl display issues when anything other than a single Panadapter is in use

[SMART-11280] CAT: Frequency tracking no longer fails on band change

[SMART-11300] Fixed incorrect 'Interlock is preventing transmission' message appearing immediately after connecting FLEX-8000s to SmartSDR

[SMART-11378] SmartSignal (APD): Improved handling of TX Slice removal

v3.9.18 General Release 2025-05-28

[SMART-10861] Implemented APD for 8000 Series Radios. This feature is in Beta.

[SMART-9229]   Implemented USB Passthrough and integrated into SmartSDR CAT application. Various USB Cable improvements.

[SMART-8209]   TGXL integration into Maestro and SmartSDR. Requires Tuner Genius Utility v1.2.17 and later.

[SMART-10914] A 2-tone test is now available for the 6000 and 8000 Series Radios

[SMART-9227]   Introduced Analog Style Meter in SmartSDR, Maestro, and M Model clients

[SMART-7529]   Profile auto-save feature can now be disabled

[SMART-10419] Updated Waveform FIFO to support higher sample rates

[SMART-10415] Fixed an intermittent issue where the balanced input would not properly be recalled as the audio input source

[SMART-10348] Improved latency that was recently increased due to SmartLink UPnP Port Reservation Changes

[SMART-9784]   A multiFLEX client is now correctly set as the transmitting client following a PTT change. PTT changes also now update the VOX state. Related to SMART-9330.

[SMART-6305]   Fixed an issue where the Noise Blanker (NB) value was reset to default after changing bands, mode changes, etc...

[SMART-9006]   Fixed an issue where VOX did not activate correctly after changing the transmit slice

[SMART-5960]   Frequency offsets are now only saved and recalled for the internal TCXO.

[SMART-10460] FLEX-8400 and FLEX-8600 with ATU now correctly show the ATU in the Options field of the Radio menu

[SMART-9684]   Selecting MOX during a CWX macro in non-QSK mode now terminates the remaining characters in the CWX macro

[SMART-10470] Noise Blanker (NB) is now enabled correctly on a newly created Slice if the cloned Slice had NB enabled

[SMART-9559]   Change handling of TX Profiles to be by Antenna by Client. This fixes issues with the wrong TX Profile loading in multiFLEX setups and other scenarios.

[SMART-8062]   Fixed Band persistence issues with 40M and 80M caused by zooming out to wide views

[SMART-9453]   Fixed an issue on the Maestro where the Slice on 40M would deactivate following a sequence of events, including setting a slice to a frequency well outside the selected Band.

[SMART-10687] Fixed an issue where the Compression meter did not display correctly in Split mode

[SMART-10463] Frequency Offset is now available for external 10 MHz and TXCO. Values are saved uniquely for each source; Frequency Offset is not offered for GPSDO or GNSS.

[SMART-7617]   CW settings for Delay, Speed, Sidetone, Breakin, Iambic, and Pitch are now properly recalled when loading a Profile

[SMART-10449] Fixed a display issue where the SQL controls appeared cut off on the Slice Flag

[SMART-10662] Updated CAT ID command for 8000 Series

[SMART-10425] Spots with null or empty callsigns will now be ignored to avoid Unhandled Exception Errors

[SMART-10437] Fixed an issue where DAX channels intermittently get out-of-sync following a sequence of events and Band changes. Related to SMART-10640

[SMART-9765]   Improved SmartLink Radio Authentication Error Handling

[SMART-9918]   "API Interlock changes, (a) creating an interlock with SAME arguments now returns existing interlock that was created with SAME arguments (matches name, serial, and type to identify duplicate request) and (b) TCP API interlock list command now exists and returns a JSON dump of Interlock objects"

[SMART-10672] Improvements to network disconnect handling on both radio and clients

[SMART-10452] RTTY Tune is no longer 2125 Hz above Mark Frequency

[SMART-8480]   Fixed an intermittent issue where CW Delay would reset to zero

[SMART-10455] Fixed an issue that would not allow the clearing of Maestro C SmartLink session expired messages

[SMART-10698] SmartSDR will now display 'GNSS' vs 'GPS' on the status indicator of the main view

[SMART-10734] 8000 radios can now use SmartLink when the radio is assigned a Static IP

[SMART-9562]   Fixed an issue where the subnet mask value was incorrectly displayed after entering a static IP address

[SMART-10601] Fixed an issue where the radio displayed the wrong SmartLink registration status after disconnection from SmartSDR

[SMART-10456] Improved handling when activating and deactivating Tune while MOX is active

[SMART-10193] Improved VOX activation handling with multiFLEX operation

[SMART-9226]   Various improvements to meter ballistics for existing digital meters.

[SMART-10762] Fixed an issue where USB cable type changes were not reflected properly by other clients

[SMART-10785] Enabled 10MHz output when GPSDO is installed on the 8000 Series Radios

[SMART-10657] Fixed an issue where the Squelch slider stopped functioning properly after transmitting with ANF active

[SMART-10757] Changed wording in Frequency Offset menu to show 'GNSS is installed' for 8000 radios with the stock option and 'GPS is installed' for radios with the optional GPSDO upgrade.

[SMART-10843] Changed the layout of the widget display buttons to accommodate the new TGXL and Analog Meter options

[SMART-10903] Fixed an issue in PROC that made compression less effective on 8000 Series Radios

[SMART-10885] Improved messaging of audio subsystem errors

[SMART-10797] PGXL IP Address is now displayed in SmartSDR when hovering over AMP

[SMART-10776] Fixed an issue that prevented TNF from working properly

[SMART-10642] Fixed an issue where the radio crashed when toggling Low Latency Filters for Digital Mode Off

[SMART-10697] 8000 Radios: Receive Audio goes silent after transmitting with NR and ANF enabled

[SMART-10684] Fixed Transverter Slice persistence issues

[SMART-10882] Fixed an issue where loading many Global Profiles sequentially can cause Blank Panadapters

[SMART-10641] Fixed FLEX-8000s Slices not displaying receive signal strength levels correctly

[SMART-10649] Fixed an issue with 8000 Series Radios that caused low RF power out levels on XVTR B

[SMART-10074] Fixed a memory leak caused by loading a specific profile

[SMART-9634] FLEX-6400 & FLEX-6600 shipping on 24 March 2023 or after no longer intermittently flashing the Power LED red during updates. Note that the flashes will still be present when updating to v3.9.

[SMART-9650] Changed Maestro and M Model error handling, forcing a reboot if a fatal error has occurred

[SMART-10740] Improved M Model and Maestro notifications and handling of PIC software updates

[SMART-10998] 8000 Series Radios with GPSDO now show the correct GPS status

[SMART-10871] Fixed a misleading API response when attempting to create more than the maximum number of slices

[SMART-10969] Fixed an issue with panadapter resizing that incorrectly reported a UHE: Out of Memory error

[SMART-10113] Fixed a UHE and incorrect Warning Messages when changing the network with a Maestro connected to a radio

[SMART-11001] Moved AGC to just before modulation in the audio signal chain

[SMART-11006] Applying a preset without a Slice no longer causes a radio crash

[SMART-10962] API: Prevent unnecessary status updates when removing a Slice

[SMART-10070] Fixed an issue that caused false 'Slice limit has been reached' error messages

[SMART-10596] Improvements to SmartLink Radio and Internet Connection status reporting

[SMART-10867] Changes to Spain EU12 and EU17 (Spain+) Turf frequencies

[SMART-11048] Improvements to SmartLink connection security

[SMART-10633] SmartSDR CAT frequency no longer gets out of sync following direct Frequency input from a SmartSDR client

[SMART-9370] RX Antenna setting is no longer blank after enabling/disabling Diversity (DIV)

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v3.8.23 General Release 2025-02-17

SmartSDR v3.8.23 contains further improvements for the FLEX-8400M and FLEX-8600M software defined radios.

[SMART-10718] Fixed an issue on the FLEX-8000M models where unmuting Master audio would not properly activate the front panel speaker

v3.8.21 General Release 2025-01-02

SmartSDR v3.8.21 is the first release to support the new FLEX-8400M and FLEX-8600M software defined radios.

[SMART-9716]   Fixed an issue on M-model radios where the front panel screen and radio could get out of sync

v3.8.20 Maintenance Release 2024-11-12

[SMART-10592] Fixed an issue where the FLEX-8000 Series radio would not boot correctly after being set to a Static IP

[SMART-10593] FLEX-8000 Series radios now display options properly in SmartSDR CAT in the VFO Slice dropdown menu

[SMART-10604] Fixed GPSDO module functionality on the FLEX-8000 Series radios

v3.8.19 General Release 2024-10-09

SmartSDR v3.8.19 is the first release to support the new FLEX-8400 and FLEX-8600 software defined radios. Support for the FLEX-8400M and FLEX-8600M will be provided in an upcoming release of SmartSDR.

Maestro Startup improvements include a new 'Selection is currently installed' indicator that identifies the version currently installed on the Maestro or M model interface. Note: wording of the Update progress has also changed. Changes will not be observed until updating from v3.8.

Reduced SmartSDR Installer payload size

[SMART-10141] Introduced All Voice and Phone Mode (USB, LSB, AM, SAM) Squelch. Settings are independent of the existing FM mode Squelch.

[SMART-10298] Added Squelch Enable toggle action to the FlexControl button options

[SMART-10299] Added Squelch Level action to FlexControl button options

[SMART-9512]   Fixed WNB on FLEX-6400 and FLEX-6600 shipped 2023-03-24 and later

[SMART-10305] WNB (Wide Noise Blanker) Default Adjusted to 90 for user ease

[SMART-8201]   SmartLink Log In and Management changes in SmartSDR and Maestro

[SMART-10142] Changed method for checking Maestro internet connection. This prevents the rare event where Maestro A and B units continuously retry to connect to the internet during an update

[SMART-10164] Fixed rare panadapter spectrum anomalies after the radio had been running for several days

[SMART-9343]   Fixed various issues with Squelch being incorrectly applied or showing the wrong state after changing modes. Related: [SMART-8649]

[SMART-9717]   Fixed multiple exceptions encountered in Maestro when a radio is disconnected

[SMART-10389] Improved client disconnect process when the radio is shut down. Related: [SMART-10406], [SMART-10407]

[SMART-9865]   Remodeled the station disconnect logic to make it more consistent and robust

[SMART-9744]   Improved the disconnect failure handling when using SmartLink

[SMART-9207]   Fixed an issue where PC Audio would not activate after disconnection/reconnection via SmartLink

[SMART-9638]   Noise Blanker (NB) value is now correctly restored when loading a profile

[SMART-10014] Fixed inconsistent Power LED status when using a transverter

[SMART-10296] N1MM spots with unrecognized status are now displayed the same as a "new qso" (gray)

[SMART-9083]   Fixed: Update Status bar shows incorrect progress after updating multiple radios

[SMART-9818]   Fixed UHE: Configuration system failed to initialize, caused by loading corrupt settings files

[SMART-10006] Rx Antenna no longer unexpectedly changes on dual SCU radios when adjusting the other panadapter view

[SMART-10020] Added new Mic Profiles for Maestro C headsets: Default HDST Condenser and Default HDST Dynamic. Requires restoring the radio factory settings.

[SMART-10077] Changed naming of radiosport Mic Profiles. 'RadioSport' has been changed to 'radiosport', and the 'M360/EM56' options are now 'M20'. Requires restoring the radio factory settings.

[SMART-10114] Mic Bias and +20dB Boost settings on Maestro are now synced to the same controls for the radio. This addresses Mic Profile loading issues.

[SMART-10144] Improved stability of Maestro PIC updates and Bootloader recovery

[SMART-10199] Maestro C straight key handling corrected so pinouts match User Guide documentation

[SMART-10154] Fixed an API issue where the wrong radio was returned in the Info response

[SMART-9180]   Fixed an API issue where there was an incorrect reply to the "transmit set am_carrier" command

[SMART-10181] Fixed external meters, created from the API, not being cleaned up upon client disconnection

[SMART-9697]   Updated Discovery API with minimum compatible version

[SMART-10143] Fixed API error when setting the slice mode. The radio would send an error response even when successful.

[SMART-9473]   SmartSDR no longer crashes when receiving the 'remove waveform' API command

v3.7.4 Hot Fix 2024-03-11

[SMART-10129] Updated Maestro "C' Windows operating system's user credentials to prevent future Maestro boot problems.

v3.7.3 General Release 2024-02-19

Support for the new Maestro "C" model

Updated Maestro End User License Agreement with new company name, FlexRadio, Inc.

[SMART-10029] Adjusted Maestro Sidetone level range to more usable levels.

[SMART-10053] Fixed UHE: Destination array was not long enough error when using Spots.

[SMART-10051] Fixed intermittent "Radio update has timed out" errors when updating the radio from Maestro

[SMART-9907]   Maestro icons have been rearranged to better utilize screen space.

[SMART-9971]   The Maestro Serial Number is now displayed in the Maestro Startup Settings Menu.

[SMART-9031]   Changed all instances of "Wifi" to "WiFi" on the Maestro UI.

[SMART-8642]   Maestro and M Models now present a warning when downgrading software.

[SMART-9891]   The RF Power setting is now displayed correctly following changes from SmartSDR or Maestro SmartControl.

v3.6.8 General Release 2024-01-18

[SMART-8491]   Added ability to enable/disable multiFLEX. This allows the radio to be used in single-user mode.

[SMART-4437]   Incremental improvements to CW performance and stability

[SMART-9808]   Improvements to RF Gain persistence (Related: SMART-9033 and SMART-9385)

[SMART-9423]   Improved interaction with PGXL during RF transmission, reducing intermittent interlock errors, high SWR readings, and RF power drops.

[SMART-9629]   Improved handling of initial connection of a multiFLEX client while the other client is actively transmitting (Related: SMART-8913, SMART-5436, SMART-9642, SMART-9611, and SMART-9546)

[SMART-9714]   Improvements to Maestro Update Progress Bar accuracy. This will not be noticeable until you update to the next version.

[SMART-9810]   Corrected the 6400/6600 12M default RF Gain value to +16 dB

[SMART-9846]   Changed Maestro Menu Heading 'Display and Power Management' to 'Display'

[SMART-7721]   API change, now use the RF Gain property instead of Preamp to correctly set the gain through the Panadapter object

[SMART-9361]   Fixed an intermittent issue with VOX where there was no RF out for a short time (Related: SMART-8513, SMART-9701, and SMART-9308)

[SMART-9362]   Fixed an intermittent issue with CW where there was no RF out for a short time

[SMART-10007] Fixed RF Gain setting not being saved and/or restored in an XVTR band

[SMART-9904]   Fixed UHE in the Audio Chain

[SMART-9920]   Fixed UHE conditions related to the audio output stream

[SMART-9416]   Fixed UHE when attempting to get the audio device name

[SMART-9488]   Fixed an issue where the TX Slice failed to transmit correctly when in split operation (Related: SMART-9161)

[SMART-9602]   Fixed Maestro display issue where the buttons and update progress bar overlapped

[SMART-9702]   Fixed issue where some radios could not complete ATU tuning on 6M

[SMART-9264]   Fixed a multiFLEX sequence that would not allow proper RF transmission (Related: SMART-9087)

[SMART-9258]   Fixed a multIFLEX issue where actions from the non-transmitting station would interrupt MOX on the transmitting station

[SMART-9691]   Fixed SmartSDR CAT UHE Value Cannot Be Null

v3.5.9 Maintenance Release 2023-09-13

[SMART-9725]   Modified the SmartSDR firmware to resolve SmartLink access issues.

[SMART-9254]   Mic Profile settings are now stored per station (client) and per mode group. This means, for example, that setting a Mic Profile on SmartSDR for Windows will not affect the Mic profile selection for the same mode on Maestro. This also corrects numerous issues related to Mic Profiles unexpectedly changing in multiFLEX workflows.

[SMART-9583]   Added file system management logic for M models and Maestro to mitigate excessive disk consumption due to Windows OS functions. This change prevents problems loading new software and repetitively showing the EULA message.

[SMART-9630]   Added notifications in SmartSDR for Windows and Maestro when attempting to add a new Slice or Panadapter and the limit has been reached (no more resources available)

[SMART-9629]   Improved handling and indication when Slice and Panadapter limits have been exceeded on Maestro and M-Models

[SMART-9675]   Improved Maestro and M model updating (Step 2 of 4) progress bar timing. Note: Improvements are not noticeable until updating/downgrading from v3.5.

[SMART-9342]   Improved Maestro and M model F Key Band Up/Down functionality when transitioning across the edges of the frequency range

[SMART-9149]   M model and Maestro now indicate when switching between High/Low and Width/Center modes of the filter knob

[SMART-9392]   Added numeric display of RF Gain value in Maestro and M-Models

[SMART-9509]   Modified the Spain region band plan per changes in recent Protección Civil en España - REMER publications.

[SMART-9616]   Modified Austria region for 160 and 6m per official region band definition

[SMART-9566]   Improved TX Slice persistence when changing bands, adding panadapters, or slice receivers.

[SMART-9106]   Improved wording and button behavior of the SmartSDR for Windows SmartLink Registration menu

[SMART-9418]   Improved session persistence for SmartSDR clients in multiFLEX

[SMART-9457]   Profile names now prevent the entry of certain non-alphanumeric characters, \ / $ [and], to improve profile management.

[SMART-9341]   Low Latency Digital Filters are now off by default

[SMART-9114]   Improved SmartSDR for Windows handling of objects with null references to avoid unnecessary UHEs

[SMART-9591]   Fixed UHE related to starting and stopping audio devices

[SMART-8251]   Fixed a CAT UHE: Object not set to an instance of an object

[SMART-9501]   Fixed radio crash when receiving strong SAM signals

[SMART-8875]   Fixed: The "Connect radio to the Internet to complete licensing!" message no longer appears after a firmware update

[SMART-9109]   Fixed the multiFLEX TX indicator from becoming unresponsive

[SMART-9455]   Fixed: Corrected the number of channels displayed in the Slice DAX drop-down menu for the FLEX-6500 in SmartSDR for Windows

[SMART-9139]   Fixed intermittent issue in SmartSDR for Windows where rapidly clicking on PC Audio could resize the SmartSDR window

[SMART-9489]   Fixed: Transmit Slice no longer resets to Slice A following a band change

[SMART-9479]   Fixed: Corrected DAX meter levels from reading too high

[SMART-8244]   Fixed issue where MOX and TUNE buttons would become disabled, requiring intervention

[SMART-8470]   Fixed CAT UHE object reference not set to an instance of an object

[SMART-9309]   Fixed: Radio no longer becomes unresponsive when changing bands while Tune is active. The Tune feature is now deactivated after a band change

[SMART-9376]   Fixed: Squelch is no longer incorrectly applied to SSB from Memories

[SMART-9153]   Fixed: M model and Maestro no longer crash or display UHE when selecting a band with a Slice set to a frequency outside the band range

[SMART-9454]   Fixed an internal memory issue that improves firmware stability

[SMART-9246]   Fixed intermittent issue where Maestro and M-Models would only list downloaded versions

[SMART-9388]   Fixed: DAX panel now properly displays the selected Slice

[SMART-9420]   Fixed: SmartSDR for Windows no longer cuts off the 'None' option in the DAX IQ drop-down menu

[SMART-9260]   Fixed: SmartSDR for Windows no longer cuts off the Apply button in the Advanced Network menu

[SMART-9442]   Fixed issue where fonts weren't installed correctly on some computers

v3.4.24 Maintenance Release 2023-06-06

[SMART-9150] - Fixed an intermittent issue where some radios would not power on properly with Ethernet connected

v3.4.23 Maintenance Release 2023-03-27

[SMART-9401] - Resolved AM Carrier Adjustment issues. A power setting of 100 generates a 25W Carrier.

[SMART-9348] - Fixed a memory leak that was responsible for certain client connect/disconnect issues.

[SMART-9236] - M-Model/Maestro: Fixed the UHE HRESULT: 0x8889000F error caused by loading invalid audio devices at runtime

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v3.4.21 General Release 2023-02-14

[SMART-9117] - New Digital Mode Low Latency Filters (also SMART-9070).

[SMART-9021] - Improved indication of multiFLEX with Local PTT (green) vs. multiFLEX without Local PTT (white) on Maestro and SmartSDR.

[SMART-8867] - Maestro/M: Added new options to the Function Buttons list: Quick Record, Playback, and Band Up/Down (also SMART-8870).

[SMART-8986] - Added new Canadian region (TURF) for expanded 60m access.

[SMART-8308] - Automatic backup and recovery of settings files for SmartSDR, DAX, CAT, and Maestro (also SMART-8891).

[SMART-4626] - Refactored the Windows audio subsystem used by DAX to improve stability and latency.

[SMART-8769] - SmartSDR for Windows performance improvements.

[SMART-9292] - Prevent transmit latency build-up under heavy multiFLEX load conditions.

[SMART-9054] Reduced transmit sputtering with multiFLEX.

[SMART-8827] - Incremental improvements to overall performance.

[SMART-8632] - Firmware stability improvements and enhancements.

[SMART-9017] - SmartSDR PC Audio performance improvements.

[SMART-9009] - Further improvements to SmartSDR PC Audio latency.

[SMART-8847] - SmartSDR for Windows/CAT/DAX: Choose Radio window now displays the version number.

[SMART-9022] - Improved consistency of Auto-Connect Last Radio after booting Maestro and M-models.

[SMART-8993] - SmartSDR intermittent Unhandled Errors no longer occur following a radio disconnect with TNF present.

[SMART-8825] - Fixed display issue where the SmartSDR for Windows Settings -> Radio Setup -> RX tab was cut off at the bottom when connected to an M-model.

 [SMART-8919] - Fixed intermittent VOX hanging in RX issue (also SMART-9154).

[SMART-8292] - The state of +ACC is now properly restored after changing input sources.

[SMART-8980] - Mic Boost is now set to the correct value dependent on audio input source selection.

[SMART-8839] - Radio Downgrade Warning message window is no longer cut truncated.

[SMART-9181] - Fixed erratic antenna switching behavior of the FLEX-6700.

[SMART-5124] - 60m band mode is now correctly set to USB after restoring factory default settings.

[SMART-8765] - USB Cable Bit settings no longer allow entry of negative values for PTT and TX Delay.

[SMART-9039] - In rare cases, the selection of Memories from SmartSDR no longer results in Unhandled Errors.

[SMART-7822] - M Models touchscreen no longer goes unresponsive in the Radio landing or Select Version screens.

[SMART-8975] - Maestro and M-models now automatically close popup keyboards when navigating away from text entry menus and further prevent invalid character entries for frequency.

[SMART-9016] - Maestro no longer displays the unusable Copy, Cut, and Paste menus.

[SMART-8991] - Maestro no longer displays a blank message box when selecting the SmartLink Test indicator before running the test.

[SMART-8946] - Maestro Function F1-F6 menus no longer display functions of previous settings.

[SMART-8974] - Fixed minor spelling errors on Maestro.

[SMART-8989] - Fixed Maestro audio output latency no longer gradually increases while in use.

[SMART-9091] - Fixed minor display issue of the SW Version field in the Maestro -> Menu.

[SMART-6236] - Fixed multiple Maestro and M-model startup UHE and exception errors following an update (Also SMART-9157, SMART-9234).

[SMART-8987] - SmartLink Network Ports now disallow entry of special characters.

[SMART-8988] - SmartLink Network Ports now disallows all entries outside of the valid 4096 to 65535 range.

[SMART-8945] - SmartLink Network Ports now disallow entry of invalid values and alpha characters.

[SMART-8323] - SmartLink: Network Test is no longer allowed when the radio is not registered.

[SMART-8940] - Power Genius XL meters are now consistently displayed after rebooting.

[SMART-2632]   DAX: Fixed corrupted RX audio after running for 16 hours.

[SMART-8591] - DAX: Improved DAX IQ messaging when using SmartLink.

[SMART-8844] - CAT: Limit the UDP port number to a valid 16-bit value to prevent errors.

[SMART-8806] - CAT: SmartSDR CAT general code stability improvements and enhancements (also SMART-8810, SMART-8852).

v3.3.33 Maintenance Release 2022-10-03

[SMART-9104] - Fixed: 6300, 6500, and 6700 are no longer susceptible to booting without active Slices and are unable to create new Slices.

[SMART-9108] - Fixed: Resolved issues that prevented using SmartLink.

v3.3.32 Maintenance Release 2022-06-16

[SMART-8821] - Fixed: ATU Memories are not recalled correctly

[SMART-8829] - Fixed: USB Cable devices are correctly recognized

[SMART-8851] - Fixed: CW no longer produces lower RF power than other modes

[SMART-8832] - Fixed: VOX retained settings after band changes

[SMART-8828] - Fixed: AM Carrier value persisted after band changes

[SMART-8862] - Fixed: 256MB SD cards not formatting properly in certain circumstances

[SMART-8837] - Fixed: M Model: Static IP interface improved to allow for a reset to DHCP

v3.3.29 Maintenance Release 2022-04-26

[SMART-2847] - Fixed: TUNE is no longer TX filter dependent

[SMART-6185] - Fixed: Memories not storing frequency data correctly in the form

[SMART-6227] - Fixed: Profile Manager Scroll bar not shown until global profile recreated

[SMART-6249] - Fixed: Frequency display on the minimized slice flag changes width when tuning, resulting in a jittering display

[SMART-6687] - API: Change RequestMemory pattern to be more like Slice/Pan/etc

[SMART-6786] - Fixed: Bad response to Slice commands

[SMART-6787] - Fixed: Bad response to ATU commands

[SMART-7253] - multiFLEX: RX EQ is now independent for each client

[SMART-7332] - multiFLEX: Added TX Band/Antenna to multiFLEX dashboard

[SMART-7389] - Fixed: The TX Profile screen label in the Radio Setup -> TX tab is missing

[SMART-7464] - Added FHM-3 Default Microphone Profiles

[SMART-7511] - Maestro/M: Added easier access to slider values

[SMART-7519] - Fixed: Maestro repetitive login needed when using Wi-Fi

[SMART-7526] - multiFLEX: Added an indicator with a callout for the other Station name

[SMART-7681] - Fixed: CW would hang in TX occasionally

[SMART-7715] - Fixed: SmartControl session would crash when a client is disconnected via a remote system

[SMART-7724] - Fixed: VOX becomes disabled and is not recovered until MOX is used when the Delay is set to 0

[SMART-7753] - Fixed: Transmitting out of a ham band after using CAT to tune the radio would hang and require a power down and restart of the radio to recover

[SMART-7756] - Fixed: MTU value isn't shown on M models or SmartSDR for Windows

[SMART-7790] - Fixed: A rounding error would occur when using the Memory form for transverter bands

[SMART-7809] - Fixed: RF power would intermittently quit when operating CW

[SMART-7917] – Fixed: The MONitor would not work on a FLEX-6600M when the FLEX-6600M front panel is the multiFLEX client

[SMART-7943] - Fixed: A crash occurred due to a race condition when using DXLabs Commander

[SMART-8002] - Fixed: SmartControl: Prevent the closing of the Slice menu when changing bands

[SMART-8008] - Maestro/M: Add option to disable/enable Auto Connect

[SMART-8016] - Fixed: The soft keyboard was not visible on Maestro, and no way to get it back

[SMART-8042] - Maestro/M: Improve language for the Version Selection screen

[SMART-8051] - Maestro/M: Improvements were made to prevent erroneous front panel "in use" conditions

[SMART-8061] - M Model: Add Front Panel MAC and IP to Info on Radio Selection screen

[SMART-8068] - Fixed: Maestro SmartLink SignIn screen was shown only in the top left of the display

[SMART-8070] - Fixed: Clicking on a line between profile options in the menu would crash SmartSDR when in multiFLEX mode

[SMART-8101] - Maestro/M: Improved direct frequency entry on the user interface

[SMART-8103] - Maestro/M: Implemented double click for easy profile selection

[SMART-8104] - Fixed: Entries in the multiFLEX dashboard showed multiple stations as having control of PTT

[SMART-8113] - Fixed: The software download indicator continues to be shown even after the update is completed on the Maestro/M

[SMART-8161] - Fixed: Missing or clipped CW leading elements when keyed from N1MM

[SMART-8169] - multiFLEX: Improved logic for PTT station control if a client asserts PTT when not in a ham band

[SMART-8194] - USB Cables: Added the ability of the radio to send FA CAT commands to a connected device.

[SMART-8215] - Improve recovery in the SmartSDR update process for greater reliability

[SMART-8222] - Fixed: DAX would occasionally crash when the radio auto-connect feature was enabled

[SMART-8227] - Fixed: The API Slice tune command responds incorrectly when no slice is available.

[SMART-8246] - Changed the default MTU Setting for compatibility with PPPoE internet connections.

[SMART-8301] - Fixed: Updating the firmware was only permitted per client session, requiring a restart of the client for subsequent update processes

[SMART-8311] - Fixed: DAX TX audio popping when using VOX for radio keying

[SMART-8313] - MaestroStartup: Add Auto Connect status to the Settings menu

[SMART-8315] - Fixed: CAT would periodically crash when closing the program if TCP CAT ports were defined

[SMART-8316] - Fixed: Maestro/multiFLEX Auto Connect fails if another client is connected

[SMART-8326] - Fixed: Popout window settings not being remembered after upgrading to SmartSDR v3.3

[SMART-8329] - Fixed: CAT/DAX Version information is cut off on the screen title bar

[SMART-8330] - Fixed: CW sends an unsteady string of dashes

[SMART-8334] - Fixed: A crash would occur if a D-STAR waveform was installed but the dongle was not connected to the radio

[SMART-8338] - TURF: Update or add 60m definitions for Latvia, Slovakia, and Bulgaria

[SMART-8341] - SD Card: Improved boot partition integrity to mitigate certain types of failures

[SMART-8342] - Fixed: SSDR hangs when panadapter crosses boundaries of multiple transverter segments

[SMART-8350] - Fixed: Focus Helper: Fails after removing TNF

[SMART-8369] - Fixed: Several defects related to using TX REQ where the TX Slice changes that would crash the radio

[SMART-8385] - Fixed: S-Meter shows momentary erroneous full-scale reading

[SMART-8398] - Fixed: Failure to acquire an IP address via DHCP when there were network delays due to Spanning Tree convergence.

[SMART-8399] - Fixed: Maestro License refresh on a SmartLink connection causes crash

[SMART-8417] - TURF: Add 60m to the IARU3 region

[SMART-8446] - Fixed: Maestro software updater window not properly centering and maximizing the window size

[SMART-8450] - Fixed: USB Cable type HF_VHF_BCD is changed to VHF_BCD after the SmartSDR client was closed

[SMART-8454] - Fixed: Some SmartSDR for Windows screens can be shrunk until lost or unusable

[SMART-8459] - Fixed: Maestro now requires all fields to be filled before submitting static IP settings

[SMART-8465] - Improved long boot times when the radio has no access to the Internet (using a Link-Local connection)

[SMART-8479] - SD Card: Improved file system integrity to prevent corruption

[SMART-8484] - Fixed: Setting the "Favorite Mode" in the Slice flag to AM does not work properly

[SMART-8498] - Maestro: Auto-fill IP subnet and default gateway information based on an IP address when configuring a static IP address

[SMART-8567] - Fixed: CW Stutter followed later by a radio crash

[SMART-8579] - Fixed: Erroneous PGXL High SWR indication when using multiFLEX

[SMART-8589] - Fixed: PC Mic with w/Hardware PTT not overriding and working as expected

[SMART-8593] - Fixed: SmartSDR for M crash on RadioAdded

[SMART-8605] - TGXL: Improved TX interlock state handling for more reliable operation

[SMART-8614] - Fixed: Occasionally, the TX meter shows RF output when there is no actual RF output

[SMART-8626] - Fixed: Some USB Cable default settings may cause problems

[SMART-8652] - Fixed: Excessive UPnP requests to the default gateway router

[SMART-8653] - Fixed: Excessive TCP retransmission errors

[SMART-8660] - Fixed: SmartLink password reset emails are slow

[SMART-8709] - TURF: Expanded 160m band for Greece (EU09)

[SMART-8750] - Fixed: A crash may occur when using a PGXL if trying to transmit out of a ham band and then attempting to transmit inside a ham band

[SMART-8819] – Updated SmartSDR for Windows update indicator for 2-step firmware upgrades.

v3.2.38 Maintenance Release 2021-06-02

#J8424 – Add the .NET Updater for OS and .NET updates for the Maestro and M Model FLEX-6000 radios

#J8329 – Made the size of the DAX and CAT windows wider so that the version number is properly displayed in the menu title bar

v3.2.36 Maintenance Release 2021-05-20

#J8420 - Update .NET Framework to 4.6.2 to fully support TLS 1.3 for secure SmartLink connections

#J8417 - Changes to add 60m to IARU Region 3

JJ8419 - Fix SmartLink Internet detection to address Chinese users who were blocked from the service

v3.2.33 Maintenance Release 2021-05-04

#J8398 – Fixed a DHCP failure when the radio was connected switch port that had the Spanning Tree Protocol (STP) enabled

#J8371 Fixed ATU memories not being recalled on TX antenna changes

#J8377 Fixed a DAX UHE (crash) when the radio is no longer available on the network (very infrequent)

#J8382 Fixed negative frequencies not being saved/restored properly in the database (the CWL issue)

#J8378 Removed RAW mode since it is currently a mode under development

#J8038 Fixed the SWR Foldback Algorithm for TGXL integration

#J8732 Fixed SmartLink connection issues when the radio has a non-DHCP statically assigned IP address

v3.2.31 General Release 2021-03-30

#J8092 Improved RX to TX transition time and other internal optimizations and stability improvements

#J7956 FlexVSP: Updated driver to version 5.8.1 to address Windows Update issues, and improve performance and stability.

#J7956 ATU: Improved tuning consistency (defect introduced in v3.0)

#J7732 ATU: Turning MEM on and off now properly restores the previous memory the previous memory

#J7624 USB Cables: Fixed Bit Cable functionality when using the Slice as the source

#J8180 API: Added Raw IQ data slice mode available via the radio API

#J7877 API: Added Panadapter reference to SpotTriggered event (idea from W3II)

#J8168 TX Band Settings: Fixed loss of entered data if using the Tab key

#J7332 Added TX band and antenna info for the station data in the multiFLEX dashboard

#J8104 Fixed multiFLEX dashboard showing repeated clients on restart

#J7526 Added multiFLEX indicator (when in use) for better visibility

#J8048 SmartSDR-Win: Added CTRL + mouse wheel scroll to zoom in and out of the panadapter

#J8024 Improved Advanced Network appearance when the radio is disconnected

#J8286 Added Austria TURF region definition

#J8300 Added Spain+ TURF region definition that adds frequencies for Protección Civil en España (REMER)

#J8003 Updated Japan TURF region definition for new frequency allocations

#J7740 Fixed defect where VOX is no longer active in CW mode

#J8222 Fixed rare DAX/CAT crash

#J5356 SmartSDR-Win: Handle open Windows consistently on radio disconnect

#J8170 SmartSDR-Win: Fixed issue with AutoConnect throwing an unhandled exception

#J7458 Fixed an issue where the TUNE button no longer stays lit after removing the TX Slice

#J7767 SmartControl: RF Gain setting now functional

#J7537 Disable the SmartLink Login button when there is no internet connection

#J7981 Disable the context menu in the SmartLink login screen

#J8282 SmartLink: Fixed problem when reconnecting to the radio after selecting the Choose Radio menu option

#J8077 Fixed an issue where the S-Meter was acting incorrectly with strong input levels

#J8199 Fixed spike in the S-meter when changing bands

#J7992 Fix rare crash (UHE) on shutdown (thanks to W3II)

#J7655 Fixed crash (UHE) when setting up a USB Cable

#J7702 Fixed crash (UHE) while using FlexSATPC

#J8036 Fixed crash (UHE) when closing CWX or TX popped out windows via Alt+F4 or the Taskbar

#J7790 Fixed Memory form frequency rounding error with transverter bands

#J4900 Improved SmartLink LogIn design for better visibility in Maestro and M models

#J8068 Maestro/M: Improved SmartLink Login window size/appearance

#J8197 Maestro/M: Fixed SmartLink Port Forward entry area being obscured

#J8039 Advanced Networking visibility addressed for all radio models + Maestro

#J8061 Maestro: Added Front Panel MAC and IP address to Information Screen

#J8103 Maestro/M: Implemented double-tap for profile selection

#J8008 Maestro/M: Added controls for enabling/disabling the Auto-Connect feature

#J7511 Maestro/M: Added buttons to sliders for fine-grained control

#J8035 Maestro/M: Double-tapping on a specific Memory Entry will now load the memory

#J8002 Maestro/M: Slice Menu now stays open on band change

#J2733 Maestro/M: Handle Mode display list dynamically for better waveform support

#J8101 Maestro/M: Partial manual frequency entry is now cleared when closing the Slice menu

#J3199 Maestro/M: The Version Selection menu is now sorted correctly by version

#J8162 Maestro: Fixed allowing a 2nd Panadapter to open with no available radio resources

#J8316 Maestro: Fixed Auto Connect failures if another station is connected

#J8022 Maestro: Fixed crash (UHE) related to audio input selection

#J8193 Maestro: Fixed issue where a Slice would not reopen

#J8150 Maestro: Fixed an issue with display flashing while changing bands

#J8043 Maestro: Improved messaging on the Version Select Screen for clarity

v3.1.12 General Release 2020-05-14

#J8021 Fixed update consistency checks

#J8019 Fixed crash when attempting to refresh license

#J6813 Connection message only shown on successful client validation

v3.1.11 General Release 2020-04-30

#J4900 Improved SmartLink LogIn design for better visibility in Maestro and M models.

#J7741 Update improvements for increased SD Card stability

#J7790 Fixed memory form frequency rounding error with transverter bands

#J7482 Fixed a SmartSDR for Windows hang when attempting to close while updating

v3.1.8 General Release 2019-10-04

#7727 Updated licensing to use TLS v1.2 to meet new security standards

#7721 Added language to explain the need for a Default Audio Output Device in the DAX error message screen

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v3.1.7 General Release 2019-09-17

Documentation updates

#3709   Added SmartControl for Maestro and M Model radios

#6873   DAX: Fixed issue where DAX audio devices would get scrambled and not work properly after a Windows Update

#5203   DAX: Sound devices are now prevented from being selected as the default sound device

#7543   DAX: RX Gain levels are now correct when starting SmartSDR after DAX has been started

#7572   DAX: Channel 8 RX meter now works properly (6700 only)

#7668   Fixed MON/FDX interaction that caused FDX to not work when the monitor was enabled

#7573   SSDR: Radio auto-connect on startup now works properly

#7520   Maestro: Automatic SmartLink login on startup now works properly for Wi-Fi connections and delayed Internet connections relative to power-on

#7472   SmartSDR and Maestro remote audio (PC Audio) now stream with lower bandwidth (compressed audio) for easier use on VPNs and low-performing LAN networks

#7473   Fixed issue where TUNE/MOX would be disabled when the TX Slice is on 2m and XVTR

#7637   EQ RX/TX Checkboxes can no longer be unchecked

#7049   SSDR: MIC and Transmit Profile dropdowns can now be scrolled through with the mouse scroll wheel

#5491   Right-most pixel of the Panadapter no longer appears elevated

#7666   The hit area of the Slice audio balance was improved

#7484   multiFLEX: Connected stations are shown in the Radio Chooser, even when there is only one connected station

#7554   M-Model: The radio screen now shows connected multiFLEX clients, even when there's only one

#7532   Maestro/M: License refresh button now shows refresh status and updates UI after completion

#6860   M models are now properly indicated in the SmartSDR for Windows Radio Tab

#7108   6400/6600/M: Modified fan speed behavior on boot-up to address false-positive fan errors

#7675 Fixed sporadic popping and interruptions in RX/TX Audio due to clock settings

#7500 TURF: Changed IARU1 6m 50.0 to 52.0 per current allocation

#7567 Added 9k tune step to AM modes

#6756 Zoom-to-segment: the "S" indicator is now displayed correctly after a band change

#7497 Closing a Diversity Slice now properly re-centers the Slice audio pan control

#7544 SSDR: multiFLEX dashboard is no longer resizable, which prevents accidentally hidden controls

#6787 API: Added proper response messages to several ATU commands

#7626 API: Removed Slice::PlayEnabled setter since it comes from radio

v3.0.27 General Release 2019-06-11

Documentation updates

#7489 API: Now sending complete Band Status updates after a band change

#7496 multiFLEX: Fixed issue where MIC audio would not work when both clients are using the same MIC profile

#7486 Fixed issue where RX audio could not be heard when sending CW

#7475 M Model front panel Radio Operate screen now shows the option to disconnect other multiFLEX clients

#7456 Fixed MON/CW sidetone issue where sidetone could be heard followed by another tone

#7463 Fixed issue where DAX TX audio was not muted when expected

#7457 FDX now works properly

#7470 Fixed radio crash caused by resetting a TX/MIC profile and then importing profiles

#6234 Fixed SmartSDR crash when closing SmartSDR while the Memories form was open

#7419 Maestro: Fixed issue with diversity, causing Slice letter not to be shown in Slice Menu

#7424 Fixed UHE during Auto Connect

#7361 API: TXTune property changed event is now raised when there is no transmitting client

#7355 SmartSDR: Fixed mic input selection issue due to multiFLEX Maestro connection

#7371 Added FHM-3 Mic profiles

#7349 Fixed a UHE in SmartSDR

#7390 Added TX Profile callout in Settings -> TX window

#7438 DAX: Fixed RX Gain sometimes not working

#7428 Improved Auto Connect logic to avoid application freeze when connecting

#7337 API: TX Band Status is now sent when a non-GUI client changes the binding

#7359 Frequency calibration from non-GUI clients works now

#7385 API: Add IP field back to stream status messages

#7391 API: Fix spurious client status messages for non-GUI clients

#7343 Slice QSK Indication is now correct for 6700 and 6600

#7387 USB Cables: IF Command is fixed

#7368 Memories no longer override RF Power

#7344 Quick Record/Playback now works with PC Audio (Remote Audio RX Streams)

#7358 SSB MON Audio now works with PC Audio (can also hear other clients transmit)

#7429 ATU: Fixed issue that resulted in a match without actually tuning an antenna

#7370 ATU: Power level sliders now reflect power used when ATU is tuning

#7373 Maestro/M: BW Select knob now works properly after removing a TNF

#7376 Maestro/M: Fixed issue where SmartLink connections would not restore persistence

#7354 The SmartLink Test button is now visible for radios on SmartLink

#7416 SmartSDR: Renamed Settings -> Choose Radio to Choose Radio / SmartLink Setup

#7347 MTU can now be changed while using SmartLink

#7352 SSDR: A second connection from the same PC to the same radio no longer auto-connects

#7374 M Model program name is now a property set to "SmartSDR-M" (visible in CAT/DAX station selection when hovered over with the mouse)

#7363 6700: Fixed a crash when turning on PC Audio with 8 slices open

#7377 Fixed issues with out-of-band 60m transmit

#7334 Fixed APF frequency is not being updated sometimes until changing the frequency

#7398 API: fixed typo in transmit status update message when updating the Slice mode

#7395 Fixed a crash on Slice creation when no GUI clients are connected

#7397 Panadapters resources are no longer orphaned when created by non-GUI clients

#7384 Maestro/M: Fixed diversity issues where Slices could not be created when using an open diversity Slice

#7407 Fixed issues when loading a global profile from a non-GUI client

v3.0.19 General Release, 2019-04-03

Documentation updates

#7317 SSDR: Fixed UHE when going back to the Radio Chooser when using popped-out Panadapters

#7278 CWX now has a scrollbar when the vertical height is too small

#7315 Include compression in remote_audio_tx status update

#6957 Spots: Improved audio stuttering issues while using spots

#7208 Maestro: CW now works (broken in v3.0.14)

#7100 SmartSDR Profile manager lists now look better when the lists are empty

#5084 SSDR/CAT/DAX Radio Choosers now have the version number in the Window title

#7200 PGXL: SWR meter now starts at 1.0 instead of 1.2

#7186 TURF: Added 60m to the Greece region

#7216 Radio chooser now shows a warning if the radio does not have Internet after purchasing a license

#7041 Fixed a low-incidence radio hang when sending CW from a Maestro

#7124 Fixed inaccurate error message when failing to connect to SmartLink Server (no internet message was shown)

#7102 SmartLink Test results are now cleared whenever the settings are changed or the test is initiated

#7089 SmartLink: Add the ability to change the VITA-49 MTU (maximum transmission unit) to less than 1500 bytes for compatibility on Internet connections that cannot accommodate 1500-byte packet sizes.

#7017 CWX Sidetone now works when using PC Audio without SmartLink

#7062 Added radio version number to the filename of exported profiles and memories

#7046 API: Added background color to RequestSpot() in Spots.cs

#7046 API: Spaces are now allowed in the spot callsign field

#6995 SmartLink: Cleaned up messaging around registration/un-registration for clarity

#7010 SmartLink: Controls are now hidden if the radio has no internet access

#6953 TX Profiles are now saved automatically and work with multiFLEX. Added TX Band Settings overview.

#6971 6400/6600: Fixed an issue with XVTA losing signals in TX when full-duplex (FDX) was on

#6950 SSDR Radio chooser right-click to copy to clipboard now copies more radio information

#6980   API: Fixed malformed Spots color and background color commands in FlexLib (missing spaces)

#6913   API: Interlock source status update fields are now comma-separated instead of space-separated

#6941   Fix Diversity antenna selection

#6948   Fix the Diversity issue on Maestro that didn't allow a user to create Slice B when Diversity was selected on Slice A

#6903   SmartSDR: default values are now properly loaded the first time SmartSDR is run (FlexControl defaults are no longer blank)

#6822   FlexControl: Added APF option

#6687   API: FlexLib Memory request sequence changed to match the request sequence of other objects

#6889   Fixed TUNE TX frequency offset being incorrect

#6878   Fixed disconnect issue when using VOX (multiple disconnect messages)

#6880   Maestro/M: Fixed the 'Toggle DIV' function button selection not being remembered after a reboot

#6843   SSDR: Pressing TUNE no longer makes the lower-right icons jumpy on TX/RX transitions

#6887   Fixed a memory leak in SmartSDR and Maestro

#6869   API: TXTune does not fire unnecessary events if the value hasn't changed in FlexLib

#6805   TURF: Updated 60m band frequencies for EU Travel (EU14)

#6842   TURF: Added 60m to the France region

#6829   SSDR: fixed the RX tab menu in the Radio Setup from being cut off at the bottom when connected to a 6400M or 6600M

#6821   CAT: window can now be resized and scrolled

#6380   Fixed UHE when resetting network statistics (only happened when PC Audio was on)

#6801   CAT: Fixed UHE when shutting down SmartSDR

#6766   Maestro/M: Radio/network disconnect message now appears on SmartLink (instead of a blank screen)

#6797   Fixed audio stuttering when tuning in CW/USB (would only happen when ATU Memories were enabled)

#3700   Added multiFLEX

#6641   SmartSDR now auto-connects to the last radio. Can be enabled/disabled in the lower-right of the radio chooser

#6653   Fixed an issue where M Model radios were incorrectly identified when connected to a network with other radios

#6721 6400/6600: QSK now behaves properly with the ATU when no RX antennas are connected to the TX antenna.

#6661 Fixed metering not showing up when DAX is enabled and mic triggers the VOX/PTT, #6658

#6682 Fixed Record/Playback on TX with Monitor not working in v2.4.9 (until you turn on DAX)

#6683 USB cables can now set the slice mode (MD commands)

#6649 6400/6600/M: XVTR output now +10dBm across all frequencies

#6726 TURF: Hungary changes

#6709 TURF: Italy changes

#6648 XVTR Output now flat @ +10dBm across frequency range

#6627 TURF: Expanded the 12m band for Norway

#6660 ATU Memory clearing and TNF clearing now work