



SDRconnect Release Notes



Overview

This document provides an overview of the modifications, changes and enhancements made to the SDRconnect Application Software.

1.0.10 build 7161f525d (14th August 2026)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.15

Added

- Add multiple new themes (Light, Dark, Grey and High Contrast)
- Add compact view for use with touch and small screens
- New recording scheduler engine with recurrence support
- New remote devices editor dialog
- New keypad control
- Add option to lock center frequency while recording
- Add support for SSL websockets (WSS) (headless only)
- Add access control to websocket server via config file (headless only)
- Add support for 2.048MSPS sample rate for DAB
- Adjustment of spectrum base or reference level levels by dragging left or right axis

Changed

- Waterfall tuning is enabled while touch controls are active
- Embedded monospace font for cross platform compatibility
- Removed minimum window size

1.0.9 build d34bf923c (15th June 2026)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.14

Added

- Support for RSPduo with diversity at samples rates < 2MSPS
- Add side-scrolling audio waterfall
- Add start-up update check (can be disabled in Preferences)
- Add read-only "api_version" to WebSocketAPI (1.0.3)

Changed

- Filter bandwidth and step sizes are now saved on a per-mode basis
- Audio SP display FFT size and rate are now configurable

Corrected Defects

- Fixed an issue on macOS at startup when "Local Network" permission is not granted by OS with WebSocket server enabled.
- Fixed an issue when switching tuner modes with Diversity enabled using RSPduo
- Sometimes typing in the Remote Devices or the Timed Recordings Name field could cause the Name field to lose focus

Rig Control 1.0.3 build 74fbbe8

Added

- Audio mute on Tx (note this is just an audio mute and does NOT protect the RSP front end)

1.0.8 build a4b8da76b (25th March 2026)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.12

Added

- Ability to collapse and pin tool windows
- Audio Scope view
- WebSocket API updated to support Duo in dual tuner mode (1.0.2)
- Increased number of available properties in WebSocket API (1.0.2)

Changed

- nRSP-ST tools now included in all builds to streamline deployment
- Performance optimisations for headless applications
- Linux install method:
(make sure curl is installed first: `sudo apt install curl`)
`/bin/bash -c "$(curl -fsSL https://www.sdrplay.com/software/install.sh)"`
- Linux install option: `ACCEPTLICENSE=1` to silently install the application and accept the license
- Linux install option: `NOTSUPPORTED=1` for non-Ubuntu LTS operating systems to not perform the dependency checks (dependencies are: `libusb`, `libasound2`, `libuuid`, `libudev`, `libmp3lame`. Additionally, `libhamlib` is required for rig control)
- Linux install option: `DONOTDOWNLOAD=1` to use previously downloaded installation files instead of getting from the server.
- Option e.g. `/bin/bash -c "NOTSUPPORTED=1 $(curl -fsSL https://www.sdrplay.com/software/install.sh)"`

Corrected Defects

- Fixed an issue with frequency marker text overlapping at certain zoom levels and window sizes
- Fixed text positioning inconsistencies due to different fonts across platforms
- Fixed an issue that caused layout not to restore correctly at start up
- Fixed an issue that caused squelch threshold slider to remain disabled when using WebSocket API
- Fixed issues that caused some tty's not to be listed on some platforms in CAT control emulator pane

1.0.7 build 22b2d4724 (9th February 2026)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.12

Added

- CAT control emulator for legacy application compatibility
- Experimental "headless" binary for WebSocket API use without SDRconnect GUI
- Option to open devices by serial number and display name in WebSocket API
- Increased number of available properties in WebSocket API

Changed

- Modify `device_sample_rate` property to be read-write in WebSocket API

Corrected Defects

- Fixed an issue with enabling spectrum markers requiring a restart
- Fixed an issue setting `device_center_frequency` via WebSocket API
- Fixed an issue with selecting device via WebSocket API

v1.0.6 build 3a4f7fec2 (20th January 2026)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.12

Added

- WebSocket API for module integration and application automation
- Option to render frequency list entries on Primary SP spectrum as markers

Changed

- Stored frequency module moved to bottom right column in default layout
- Default visible columns reduced in Stored frequency module
- Stored frequency list entries are now saved when edit mode is disabled
- Various UI improvements including updated s-meter and new gradient options

Corrected Defects

- Antenna selection could be forced to the wrong port with invalid Antenna C frequencies
- Deleting an empty frequency list did not always remove it
- Accent colour on frequency list was inconsistent with application theme
- Fix minor text rendering/position issue on non-windows platforms
- Fix an issue with device status not being propagated to all clients when using Full IQ mode
- Various other minor defects

NRSPAdministrator

Added

- Support for specifying the login port
- Option to disable automatic time via NTP and set time manually

NRSPUpdater

Added

- Recovery mode steps with images

Changed

- Overhaul UI and improved wording
- Both Password and Defaults reset the password back to the serial number in upper case

v1.0.5 build 583e89db6 (4th October 2025)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.11

Changed

- Linux installers will only check for Ubuntu compatible packages
- To skip dependency checks on unsupported Linux distributions, use (replace example.run with downloaded .run installer filename) ...
 - NOTSUPPORTED=true ./example.run
- Linux minimum HamLib supported version set to 4.5 (recommend 4.5.5 to 4.6.5)

Corrected Defects

- Pressing TAB repeatedly or holding it down could cause SDRconnect to unexpectedly exit
- mp3 library was missing from the Windows installer
- MacOS server would abort due to a bind failure
- Cleaned up server list of streamable sources
- HamLib bridge missing from the Linux/ARM64 installer
- Rig Control - OmniRig interface updated to support either pmFreq or pmFreqA as defined in the rig ini file

v1.0.5 build e077f2ebe (26th September 2025)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.11

Added

- Diversity support over the network via server (requires RSPduo)
- MP3 Audio recording support
- Rig control support
 - Omni-Rig (windows only)
 - HamLib
- Waterfall gradient preview
- Show ticks on the RF gain slider
- Slider to change noise reduction strength
- Option to enable NFM deemphasis
- Option to display spectrum frequency markers in relevant unit
- Option to enable hold with decay on main spectrum

Changed

- Improved CW mode filter performance
- Application and server memory usage improvement
- Display application version in title bar

Corrected Defects

- Touch controls in the waterfall were active whether they displayed or not
- RDS decoder filtered out characters in the extended ASCII set
- RDS decoder did not work at all sample rates
- Copy/paste frequency between tabs required a frequency in the destination tab to be selected
- Switching frequency tabs whilst the edit field padlock was open caused a crash
- Bandwidth resize could be performed for DSB and LSB when mouse was in the frequency bar
- Inconsistent style on remote devices dialog
- IQ playback file selection was disabled when streaming was stopped

NRSPAdministrator

Added

- Logging of connection activity
- Ability to take control from client (admin user only)
- Ability to assign control to a user
- List of active/connected users

Corrected Defects

- Editing users required a password entry whether it changed or not
- Date/Time of recording shown was always UTC regardless of regional setting

v1.0.4 build 83273bcd8 (26th March 2025)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.8

Added

- Additional waterfall palettes
- Selectable spectrum gradients
- Support for limited device controls in the sidebar (enable in preferences)
- Threshold slider for spectrum peak detection
- Show the notch filter bandwidth in the notch flag
- Toggle in IQ playback to allow start time to reflect actual recorded start time
- Frequency tick marks

Changed

- 2200m band limits
- Layout is now versioned to accommodate layout changes when switching between SDRconnect versions
- Default waterfall palette now SpecExt

Corrected Defects

- Frequency shown in Aux SP with mouse hover always used 0% zoom
- Frequencies module did not display correctly when size was too small
- Fixed crash that could occur when replacing an item in the frequency list
- RSPduo Bias-T state can get out of sync with UI display
- Synchronising HDR status between multiple clients
- The maximum value for AGC release was too low. Increased from 2000 to 4000

Notes:

- The HDR status issue is client side, so SDRconnect must be upgraded to at least this version for them to work correctly.
- This version will reset your layout from previous versions.

v1.0.3 build b6fce59a3 (13th December 2024)

To operate this release with nRSP-ST, the firmware must be updated to at least 1.0.6

Added

- Center frequency drag tuning
- Hardware control indicator under the frequency display
- Controls for touchscreens

Changed

- Increased max FFT rate in the web client to match the desktop client

Corrected Defects

- The duration field in timed recordings had an issue when trying to select > 60 minutes
- Manual frequency entry cancels if selecting another control
- Recording folder in preferences didn't support UNC paths
- Adjusting the filter bandwidth in VRX caused a crash

Notes:

- The administrator app supports configuring scheduled recordings to a network share (requires 1.0.6 firmware)
- The administrator app allows you to configure the IARU region for the web client (requires 1.0.6 firmware)

v1.0.2 build 362ce77dc (5th December 2024)

Corrected Defects

- Device stored state was not being loaded

v1.0.1 build 148fc242b (29th November 2024)

Added

- Added password reset to NRSPUpdater

Changed

- Increased Wi-Fi timeout

Corrected Defects

- Fixed KeyPad not working

v1.0 build 0217e3526 (27th November 2024)

Added

- Support for nRSP-ST including the NRSPUpdater and NRSPAdministrator tools

Changed

- Mode name changes (IQ -> Full IQ), (Audio -> Compact)

Preview 5 Update 2 build 0c0a9d6d7 (23rd November 2024)

Changed

- Incorporated an upstream fix in the UI toolkit that caused a memory leak on some platforms when resizing the window
- Fixed a few missing scroll bars in various places

Defects

- Addressed the issue where the LO frequency was incorrectly parsed from an IQ wav file used in IQ playback
- Fixed the antenna port selection sometimes automatically switching to the first port when setting certain LO frequencies

Note: This is anticipated to be the final Preview release prior to 1.0

Preview 5 Update 1 build 105b8f722 (6th November 2024)

Added

- Main and Aux waterfall contrast adjustment

Changed

- Updated to the latest Microsoft VC++ redistributable for Windows

Corrected Defects

- Crash and/or exception caused by preset filter parser in non-English locales
- PPM manual entry field now accepts negative values
- Frequency module missing a scrollbar around the tabs at the bottom of the panel
- Server service for Linux/ARM64 didn't support correct use of systemctl disable/enable
- Reset layout disabled the ability to re-dock floating windows and now forces a close of SDRconnect
- Band frame button state cleared when switching from KeyPad to Bands

Preview 5 build 8d71cadca (1st November 2024)

Added

- Wide and narrow band noise blanker
- Noise reduction using rnnoise from xiph.org
- Save/Load application layout *
- PPM correction support and calibration routine using SAM mode
- Spectrum peak detection and measurement
- Support for configurable audio AGC profiles
- 3.125 kHz step size
- Store step size in profiles
- CB band for US

* Note: on some platforms/OS distributions there are issues with floating docked windows including resizing, repositioning and being the incorrect size/position when the application is started. This is related to the latest version of the UI kit. The layout can be reset using the reset button in the Preferences menu.

Changed

- Improvements to the installer for Linux/ARM64 platform

Corrected Defects

More fixes and improvements, including:

- Fixed PMR bandwidth
- Server service not starting correctly on older OS versions after a reboot

Preview 4 build 5dce37273 (18th September 2024)

Added

- RDS decoder – supports both USA and rest of the world standards. Adds selected station name into the spectrum view.
- Profiles – save and recall custom radio profiles.
- Timed recordings.
- USB surprise removal support in the client.
- Network disconnection support in the client.
- Installer option to setup SDRconnect as a server service for Linux/ARM64 platform.
- Step sizes added: 2.5 kHz and 7.5 kHz

Changed

- All platforms now moved to .NET 8 and latest versions of the UI/docking kit.
- Power measurement text moved to save space.
- Play button disabled whilst the device list is being refreshed.

Corrected Defects

Quite a number of fixes and improvements, including:

- Marine band should have used a wider sample rate.
- Prevent HDR and overload indicators remaining on under certain conditions.
- Fixed potential crash if IQ filename was manually modified.
- Server antenna selection always caused an update of all the hardware settings.
- Fixed audio start-up on Linux.

Preview 3 Update 2 build f795c3df0 (24th May 2024)

Defect fix to the updated Preview 3 public release:

Corrected Defects

- Changing sample rate did not always complete successfully during band framing.

Preview 3 Update 1 build 27e92b0c3 (19th May 2024)

Defect fixes and changes to the Preview 3 public release:

Changed

- Frequency module behaviour with cut/copy & paste and selection.

Corrected Defects

- Mac (x64 and ARM64) – crashes on exit due to issues with the json output.
- Some of the text either clipped by a bounding box or edge of a panel.
- VRXs not receiving changes from the main receiver.

Preview 3 build ab08e01fe (10th May 2024)

This release is the product of over 100 fixes and improvements including:

Added

- RSPdxR2 Support.
- Tabulated frequency module to store and manage frequencies.
- Audio recording pre-roll buffering with up to 10 seconds history.
- MPX view for WFM signals.
- Spectrum peak hold with decay added to the Audio SP view.
- Recording settings are now saved.

Changed

- Layout has been adjusted to make it look better on smaller screen resolutions.
- Several updates to both the spectrum and waterfall displays to improve the overall look and feel.

Corrected Defects

- RSPduo - in dual tuner mode, starting the stream would sometimes cause a crash.
- RSPduo – in dual tuner mode, changing the sample rate on the Primary tuner caused the spectrum to stop until the stream was stopped/started or the sample rate was changed on the Secondary tuner.
- Tuning the centre frequency past the 2 GHz upper limit using the scroll wheel.

Preview 2 Update 3 build 0fd82d9dc (26th January 2024)

Added

- RSP1B Support

Preview 2 Update 2 build b85a1fe33 (15th January 2024)

Changed

- Improved Server List Editor (renamed to Remote Device Editor)
- Renamed Global Settings to Preferences

Corrected Defects

- Mac x64 only – FFT size of 64k causes a crash
- Mac only – opening Global Settings from the system menu causes a crash
- Bandwidth limits incorrect for network audio source
- Server attempted to stream WAV file when no USB device found
- Issue with biquad filter when adjusting bandwidth in AM or SAM mode to 100 Hz

Preview 2 Update 1 build 0274e9dcd (30th November 2023)

Changed

- When loading an IQ file saved in SDRuno, use the LO frequency from the file header.

Corrected Defects

- 40m band not showing the correct frequency span for regions 1 and 3.
- IQ file dropdown does not prompt for a file when it's the only source available.
- Notch filter could be removed when adjusting the asymmetric filter.

Preview 2 (27th November 2023)

Added

- Second public preview release
- Direct frequency input
- CB-UHF mode
- 11m, 13m, 15m and 16m broadcast bands
- Clear loaded device state when device is closed
- IARU region support (bands and power level)
- IQ Recording (64bit format, single file)
- IQ Playback as a device
- Asymmetrical filtering in Aux control
- Attack/Decay smoothing added to the s-meter display
- Add zooming to the Aux control
- Global Settings control
- Notch filters in Aux control
- Popup dialog to report any errors in stream starting
- Timestamps to server console output

Changed

- Linux installer: checks for 64bit OS and additional info on how to approve the license terms
- Rename CB band to CB-HF
- Popups now have transparency
- Zero the waterfall average slider default position
- Changes required to the Mac build profile due to changes in .NET 8 (now makes it harder to support older OS versions)
- Modify data exchange for FFT data for improved performance

Corrected Defects

- Audio gain range insufficient
- Hit marker on frequency digits not working as intended due to control having zero height
- Random graphical artefacts and glitches on windows
- GUI freezing
- Initial application startup size on "small resolutions"
- Fix NOAA band frequency range and mode
- Broadcast band buttons making the control too wide
- Fix marine band frequency range and mode
- Frequency scrolling in SSB mode not working
- IFAGC always starts enabled regardless of UI setting
- Device settings not applied properly when switching sources
- Spectrum axis is too small
- Fix spectrum flickering when resizing the application window
- Waterfall palette not applying correctly on startup
- Server sometimes crashing on new client connections when max client limit reached
- Reset zoom to 0% when band framing to avoid the chance of displaying out of bounds bins

Preview 1 (10th August 2023)

Added

- First public preview release

For more information go to <https://www.sdrplay.com>

For support go to <https://www.sdrplay.com/help>

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