

General Remarks:

VS Series Software Version 4.3 is a **SIGNIFICANT** Software update suitable for all Nautel VS-Series transmitters. We recommend upgrading your transmitter(s) to this latest release DURING THE NEXT REGULARLY SCHEDULED SITE INSPECTION.

You can download VS Series Software Version 4.3 [here](#).

Software Upgrade procedures can be found in the *Non-Standard Maintenance* section of your *Operations and Maintenance Manual*. Please be sure to review and understand the complete set of instructions prior to beginning your upgrade.

This release introduces a number of exciting new features for the VS family. It also marks a significant shift in our development process that should streamline future updates. Further details are below.

New Features:

This release introduced a new SNMP agent, one which adheres correctly to the SNMP standard. Issues surrounding invalid GETs, the inability to walk the OID tree, and including multiple commands in a single packet have been resolved. As well, the MIB data has been cleaned up substantially.

The Oscilloscope instrument has been implemented in VS. See manual for details

Nautel's Audio Backup feature has been implemented in VS. See manual for more details.

Nautel's Simple Site Control has been implemented in VS. See manual for more details.

Nautel's PA Optimizer has been implemented in VS. See manual for more details.

VS now supports PS Scrolling. A number of other minor RDS fixes and improvements have also been implemented. See manual for more details.

Installation Considerations:

This Software update will take approximately 30 minutes, and may require multiple reboots. You will be OFF AIR during the upgrade process.

Known Issues:

- Communication failure with VSTC. "Transfer-Controller COMMS Fail"

Improvements / Enhancements:

- The RF Modules page for FM products has been modified to improve TX responsiveness when viewing that page.
- Remote Output logic levels now change in realtime on the Remote I/O page.
- Cleaned up mode-dependent preset field availability for a number of fields.
- Expanded the number of RDS Alternate Frequencies from 6 to 25.

All Nautel Software Releases are cumulative and contain features and fixes from prior releases.

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- SNMP password validation has become more robust in VS SW 4.3. **Note:** SNMP Client applications must be configured to use the Read and Write Community passwords as specified in the AUI. Failure to do this will prevent remote control of transmitter via SNMP.

Removed / Retired Features:

- The ability to individually enable or disable SNMP traps has been removed. It is still possible to enable or disable traps as a whole.
- "Transmitter RF Off" has been removed from the Notifications alarm list. It is not technically feasible with the current software topography.

Bug Fixes:

- Users can now make scheduler rules that start or end in January.
- The Host Not Responding alarm now displays correctly in the AUI logs on arm-based systems.
- The "Secondary Source" field now only populates when the main audio source is set to "Audio Player -> AES2".
- Fixed an issue with incorrect scrolling in the Alert box.
- Cleaned up some Phone Home connect/disconnect issues.
- Only the top-most error message on any given AUI page will now be shown at the bottom of the page.
- Users can now input Audio Processor preset names with actual characters, rather than *s.
- Corrected a display issue with Audio Processor button labels.
- Audio Processor controls now work on the local AUI when the transmitter is remote-enabled.
- Corrected Heatsink Temperature meter upper limit.
- Minor UI consistency changes.
- The Transfer Ctrl Comms alarm now displays properly on VS.
- Fan Speed meter ranges have been adjusted for VS.
- Fixed a typo in Critical Parameters "Settings" output.
- Resolved some display issues around available selections in the remote I/O screen.
- Corrected available preset fields when Audio Player->AES2 is selected as the audio source.
- Renamed 'Main Mod Adjust' option to read 'Main Audio Gain Adjust'.
- Renamed 'Secondary Source' to 'Audio Player Source' in the presets when the audio source is 'Audio Player->AES 2'.
- Renamed preset field 'Dynamic' to 'Dynamic PTY'.
- Renamed the Remote I/O->Analog Outputs columns for clarity.
- The Mod Loss Timeout action 'None' has been renamed to 'Alarm Only', to more accurately reflect actual behaviour.
- The RDS preset Dynamic PTY options have been renamed from 'Enabled/Disabled' to 'Dynamic/Static'.
- The RDS preset Stereo options have been renamed from 'Enabled/Disabled' to 'Stereo/Mono'.
- The VS alarm "ARM Not Responding" has been renamed to "Host Not Responding".

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