



SNE Firmware v7.00

Release Notes



Upgrade Information

This release requires an update of the firmware and the client GUI software.

Upgrade Procedure

Step 1: Installation of the latest firmware

- Do not power off the SNE during the upgrade process
- Ensure that all maps are stopped
- Download the latest firmware from the Calnex website
- Open a web browser
- Navigate to the IP address of your SNE (http://<ip_address>)
- Click on **Select File**
- Select the firmware file "sne-release-7.0.0.xx.pck"
- Click **Update**
- Once the unit completes the update and reboots, refresh the webpage
- Confirm that the Firmware Info Version is now 7.0.0.xx

Step 2: Install the latest version of the SNE GUI

- Close any running instances of the SNE GUI application
- Download the latest GUI from the Calnex website
- Extract the zip file to a temporary location
- Launch *setup.exe*. Note that the installer requires administrator privileges which may require an admin password to be provided.
- Once the installer completes the SNE GUI may ask you for a license key to activate. Please use the key that was shipped along with your unit on the supplied USB or via email. (If this has been lost, please contact us)

Enhancements

- Bandwidth Throttle now supports up to 20MB input buffer
- In multi-user mode, port reservation can now be performed via the REST API
- Updated Start / End point statistics, added individual / global port statistics reset, added individual / global port link reset (via right-click)
- MPEG H.264 impairment re-implemented. Added H.265 dynamic payload and H.265 support
- Added new Markov Packet Drop mode
- Accumulate and Burst impairment now supports delay time of up to 1 second

Fixes

- Start point packet duplication did not work correctly in some scenarios with real world traffic
- Fixed Packet Corruptor enable / disable via REST API
- Bandwidth throttle and Delay re-enabled disabled impairments on map stop via REST API
- Jitter disabled on map stop via REST API
- REST API did not always report enable / disable status correctly for some impairments
- Jitter no longer holds on to a single packet on disable
- A map created with the G.1050 wizard could cause the system to reboot
- Traffic Replay with large packets could cause the system to reboot
- Packet Drop impairment does not return correct settings via REST API until traffic passes through it
- Port reservation does not handle non-contiguous licensed ports correctly
- Maximum time for Accumulate and Burst is lower than expected when Jumbo mode is enabled
- RTP Statistics TAP performance improved

Known Issues

- When starting a map and then logging in as a different user it is possible to stop (but not restart) the same map
- Packet capturing of delayed traffic does not operate correctly
- Load generator targets do not operate correctly in bridged mode; they operate correctly in the virtual routed mode