

Stem Firmware Update 2.0

Additional Release Notes

The release of the Stem 2.0 update will introduce new product features, enhanced encryption protocols, and so much more into the ecosystem. With these added capabilities, you can further customize your conferencing experience and speak freely with Stem.



Additional Release Notes:

- Implemented room split & join feature
- Added feature to mute individual speakers & microphones
- Ability to add a Stem Control to a room with one standalone audio device (no Hub needed)
- Support up to 10 audio endpoint devices, for both SIP and Zoom calls.
 - A room can have up to 15 devices: 10 Stem Audio endpoint devices (Wall, Table, or Ceiling) + 1 Hub, + up to 4 Controls.
- Enhanced security:
 - Stronger audio encryption: AES 128bit encryption.
 - Disabled SSH
 - Updated jQuery
- Ability to change Organization name and password in advanced settings
- Support for mute controls, meaning Individual mute: Ability to mute the microphone or speaker for each of the audio endpoint devices in the room.
- Reduced network traffic by about 40%

For units that ship out in Q2:

- Faster boot time: about 36 seconds
- Removed random mac address on boot up

DSP:

- Higher resolution spectral process
- Improved residual echo suppression
- Improved AGC
- Tuned speaker and microphone color filters to comply with certification standards
- Improved CPU usage on the DSP