

ClearOne announces a major product release for the Converge Pro conferencing mixers. The release includes new products, firmware, and software. The section below describes key elements of the release.

New Functions, Features and Enhancements

- Converge Pro 880TA- The Converge Pro 880TA is a new conferencing mixer with 8 AEC channels, telephone hybrid, and 4 power amplifier channels capable of 35 watts into 8 ohm. The PA channels also have terminals for 70/100V interface. Key features and functions within the new mixer include
 - » Feedback Elimination- The PA channels include ClearOne's new feedback cancellation with ring elimination.
 - » PA Virtual AEC Reference- A new PA AEC virtual reference has been added that tracks all dynamic signal processing changes in the channel.
 - » Loudspeaker Centric Signal Processing Chain- The PA channels include signal processing functions associated with loudspeakers to include EQ, Noise Gate, Limiter/Compressor.
- Converge Pro SR 1212A- The Converge Pro SR 1212A is a new sound reinforcement mixer with 8 mic/line channels, 4 line inputs, 8 line outputs and 4 power amplifier channels.
- Converge Manager Software- The Converge Manager software is an application that allow an installer to connect to either 1.X or 2.X sites. This application is similar to the G-Switch in the XAP product line.
- Increase Maximum Number of Microphones- The maximum number of microphones support on a site by the automatic microphone mixer has increased to 96 total microphones. The previous limit was 64 microphones.
- New Expansion Bus Channels- Six new expansion buses have been added to each mixer. The new buses are labeled I thru N.
- Additional Expansion Bus NOM Capabilities: Expansion Buses I-R all support NOM in this release.
- New Global Gating Groups- Two new global gating groups (E&F) have been added to the units.
- New Expansion Bus AEC Reference Channels- Four new expansion bus reference (5-8) has been added to the units.
- Custom Ring Cadence Setting- A new function has been added to allow a user to customize the detectable ringer cadence used by the Converge Pro telephone hybrids.
- Added RAMP command to Telco Channels- The RAMP gain function has been added to the telco channels.
- Print All Function for Macro- A new feature was added to allow the user to print all macros on a unit.
- Last Macro/Presets Displayed in Console – A new feature was added to report the last macro and preset ran on the unit. This is displayed in the bottom toolbar of Console.
- Added Gain Events to Device Log- A new feature has been added to the device log that reports channel gain changes.
- Site File Conversion from 1.X to 2.X Files- The PSR Conversion utility has been modified to allow 1.X files to be converted to a 2.X format.

- Database Builder Updates- The database builder was modified to allow creation and sharing of Macro, Presets, and Matrix objects.
- Installed Controller Builder- The Converge Pro 880TA and Converge Pro SR 1212A have been added to the Installed Controller Builder software allowing the use with the Installed Controller.
- Converge Installation CD- The Converge installation CD will automatically install the Console, Console Manager, and Installed Controller Builder on the PC.

Compatibility Issues

- Mixed Stack Operations & Firmware Updates- The 2.X release made significant improvement to the expansion bus capabilities creating an incompatibility between 1.X and 2.X units in the same site. A 1.X unit must be isolated from any 2.X units on the expansion bus prior to operations and any firmware upgrade. This can be achieved by disconnecting any 2.X units on the bus. The 2.X firmware upgrade procedure also requires the firmware file to be downloaded to the unit twice. The first download provides the application code to the unit. The second download provides a listing of all Converge Pro unit types to include the 880TA and SR 1212A.
- Web Based Firmware Upgrade from 1.X to 2.X- The Web Based firmware loader function cannot be used to perform a upgrade from Version 1.X to Version 2.X. All firmware upgrade must be done through Console for this release.
- Version 1.X A/V and Object Database- Any A/V and channel object created in version 1.X will not be compatible with version 2.X. The user must recreate the objects with the Console 2.X release.
- Console Manager Software and Microsoft Vista- The user will require administrative privileges to install and launch the Converge Manager. The Console Manager allows the registration of either Console 1.X or Console 2.X. This can create security permission problems with Windows Vista. This can be overcome by having admin privileges and disabling the User Access Control function within Vista.

Known Issues

- Pushing a 2.X Site File to a 1.X Unit- The user can accidentally push a site file created in Console Version 2.0 to a unit running version 1.X. This will cause the User Name and Password to become scrambled. This can be corrected by defaulting the unit.
- Firmware Updates with more than 10 units in stack- A remote disconnect may occur during a firmware update with more than 10 units in the stack. The cause of this is the communication heartbeat between Console and the Site is currently disabled in the firmware updating mode. The communication may time-out during the multiple file transfers to all the units being updated. If this occurs, the recommendation is to split the units in maximum counts of 8 prior firmware update. This issue will be addressed in future releases.
- Console Software Chinese Help File Support- This release does not have the translated on-line help for Console. This will be included in a future release.
- PSR to .CVG File Conversions- A number of PSR to CVG file conversion bugs have been identified and are not resolved in this release. It includes
 - » Phonebook- A PSR phonebook will not be converted to the new CVG file.
 - » Front Panel Lock- Front Panel Lock is not supported in the Converge Pro.
 - » XAP TH2 GPIO Conversion- A TH2 control status conversion to a Converge Pro TH20 will improperly map pin 17 of the TH 2 to pin 18 in the TH20.
 - » EREF Command in XAP Macro- The EREF command used in a macro will not be converted to the new Converge Pro Macro.
 - » Ringer Command in XAP Macro- A Ringer command with a macro is not converted properly to the Converge Pro macro.