ClearOne

Firmware
RELEASE NOTE

» **NOTE**: This document contains a running history of ClearOne CHAT 150-related release notes, organized with the most recent first.

February 2011
CHAT 50/60/70 and CHAT 150/160/170/Attach Firmware Releases

ClearOne announces improved CHAT compatibility with industry leading Unified Communications soft clients. New audio processing routines have been added to the CHAT family to maintain pristine intelligibility with PC based soft-clients in all conditions. The new adaptive algorithms assist in masking audio anomalies that may occur on the soft client due to network interruptions. In addition, modifications were made to CHAT products to work better with soft client automatic gain control (AGC) functions.

CHAT Products Affected

This is a firmware only release and affects all CHAT products. The firmware release will operating with the current CHAT Software version 2.1.6.0. Firmware versions associated with this release are listed in table below.

PRODUCT	FIRMWARE VERSION
CHAT 150	57
CHAT 160	
CHAT 170	47
CHAT 50	27
CHAT 60	
CHAT 70	

New Functions, Features and Enhancements

- **Improved Audio Error Concealment** - Masks audio anomalies that can occur on soft clients due to network issues.
- **AGC Interoperability** - New function for CHAT audio processing to work with soft client AGC.

Known Compatibility Issues

- **None.**

Fixed Issues from CHAT Software Version 2.1.6.0

- **None**.

August, 2010
CHATAttach 150 Firmware Version 51 Release Note

ClearOne announces the introduction of the CHATAttach 150 product. The CHATAttach 150 is created with two CHAT 150 USB devices paired with a custom interface cable linking the two devices together to support larger group conferencing environments.

Enable existing CHAT 150 USB devices by upgrading each device's firmware to the current Version 51 release and purchasing a CHATAttach Expansion Kit. Customers may also purchase a CHATAttach 150 SKU that includes two CHAT 150 USB devices and the Expansion Kit.

The CHATAttach 150 release includes a new version of CHAT 150 Firmware along with an updated release of the CHAT software application. Key features and functions associated with the CHATAttach release are listed below.

New Functions, Features and Enhancements
- **CHATAttach 150 Capability** - New functionality adding the ability to link two CHAT 150 USB devices together with an Expansion Kit cable to cover larger group conference rooms.

Compatibility Issues
- **CHATAttach 150 and CHAT BOB** - The CHAT 150 Cisco, Avaya or Video Conference Break Out Box (BOB) will not function when in CHATAttach configuration.

Known Issues in Firmware Release 51
- **Firmware Version Mismatch on CHAT 150** - The CHATAttach has incorporated an error mode that flashes the CHAT device's LED red if the currently loaded CHAT 150 Firmware is not compatible with CHATAttach capability. To correct this, upgrade each device to the latest release of the CHAT 150 Firmware.

- **Mismatch Schemes not Detected** - The error detection scheme does not support identification of a mismatch for the following:
  - ▶ If a CHAT 150 USB Firmware Version 39 (or lower) is connected to the PC and a CHAT 150 USB Firmware Version 51 (CHATAttach) is connected via the CHATAttach Expansion cable, a mismatch error will not be identified. Fielded units running Firmware 39 do not have a CHATAttach mode and therefore cannot recognize the configuration. Recommendation is to update the CHAT 150 USB device prior to placing the unit in the CHATAttach configuration mode.
  - ▶ A CHAT 150 USB Version 51 and a CHAT 160 Skype will not be identified as a unit mismatch.

October, 2009
CHAT 150 Firmware Version 39 Release Note

ClearOne has released version 39 of the CHAT 150 firmware. The purpose of this release is the added feature of Automatic Level Control (ALC) to boost a low microphone input signal when detected by the CHAT device.

CHAT Products Affected

The entire CHAT 150 Group Speaker Phone product line

March 2007
CHAT 150 Firmware Version 31 Release Note

CHAT Products Affected
- 910-156-200   CHAT 150 USB
- 910-156-222   CHAT 150 Avaya
- 910-156-230   CHAT 150 VC

ClearOne has released version 31 of the CHAT 150 firmware. The purpose of this release was to add firmware support for the following Avaya telephone models (now available as devices in the CHAT software):

- Avaya 2410
- Avaya 2420
- Avaya 4610
- Avaya 4621

CHAT Firmware Upgrade Procedure
1. Launch the CHAT software from the Start Menu or from the desktop.
2. Click the **Help** button and select the ***Update Firmware*** topic to review the upgrade process (optional).
3. Click on **Update Firmware**.
4. In the ***Update Firmware*** screen, click the **Check for updates** button.
5. Click the **Update** button to upgrade your CHAT hardware to the latest firmware revision level.