



Product Release Notes

Revolabs Executive Elite

Firmware Version: 1.1.10.622

Issues resolved and features added in this firmware release:

Summary	Notes
New Australian SKU	If a unit using a previous firmware version and set to the region Australia is updated to this release, the region will be permanently set to Australia and a downgrade to an earlier release will not be allowed. The region Australia will no longer be offered to be selected in this release.
Factory default erases clock tune values	A problem was found where a system that had been field tuned to a tighter tolerance would lose the tuning settings when selecting resetting to factory defaults. The value will now no longer be affected by selecting factory defaults.
After restore of factory default allows only region "North America" can be selected	After a reset to factory defaults only the region North America was selectable. To select other regions, North America needed to be selected first, and then changed to the region. This has been corrected.
Information on maximum number of microphones	This release adjusts the information on the expected maximum number of microphones supported. The change only affects the Japanese region.
Charging behavior of microphones in the charger	This release improves the charging behavior for a microphone with a very low battery charge.
Improved detection of chargeable batteries in microphones	This firmware version improves the detection of rechargeable batteries using an improved voltage test.
Muting/unmuting of microphones in crossover adapter	This release corrects an issue where the mute button of a table top microphone that was placed on a crossover adapter was no longer responsive to user interaction.
Incorrect default audio setting after resetting factory defaults	Resetting the unit to Factory Defaults will now reset the default audio setting to "Standard Definition / No back channel".



Firmware Version: 1.1.8.608

Issues resolved and features added in this firmware release:

Summary	Notes
Improved detection of PHS (Personal Handy-phone system, Japan only)	This software improves the detection of PHS traffic in the DECT frequencies and the assignment of frequencies to Executive Elite microphones once PHS has been detected.
Default audio setting	Units manufactured with this build will be delivered using the "Standard Definition / no-back-channel" audio setting. However, if "Factory Default" is selected, this will switch to the "High Definition / no-back-channel" setting.

Firmware Version: 1.1.7.594

Issues resolved and features added in this firmware release:

Please note: This firmware supports all Executive Elite bases (2, 4, and 8).

Summary	Notes
Support for 2-channel and 4-channel systems	This firmware version makes the changes made in build 1.1.6.575 available to Executive Elite 2 and Executive Elite 4 systems.
Front-panel unresponsive after firmware upgrade	In rare cases it was possible that the front-panel of the base unit was unresponsive after a firmware upgrade, requiring a manual reboot of the base unit. This is no longer the case.
Antenna not linking to base	In rare cases antennas were not able to automatically link to the base unit after a restart. A manual reboot cleared the condition. In this firmware build, additional checks have been introduced to allow the antenna to link in all cases to the base unit.
AVB support for single channel and 4/8 channel streams	In addition to single channel streams, Executive Elite 4 now supports 4 audio channels in one stream, and Executive Elite 8 supports 8 audio channels in one stream. Settings to switch between the two modes can be made from the front panel.



Firmware Version: 1.1.6.575

Please note: This is an Executive Elite 8 firmware build only, and will not work with Executive Elite 2 and Executive Elite 4.

Issues resolved and features added in this firmware release:

Summary	Notes
PTP Grandmaster detection in AVB networks	This release corrects an issue that intermittently causes an AVB network with a Netgear switch as the PTP Grandmaster to fail
Intermittent mute button	On low batteries, the microphone did not react correctly when the mute functionality was invoked. This release corrects this issue.
Battery charging	This release corrects issues whereby chargeable batteries were detected as non-rechargeable
No audio output	This release corrects issues where microphones would intermittently show as active but not pass audio.
Improvements to clock tune	The auto tune feature will now tune the internal clock to a tighter tolerance
California Battery Charging	For systems installed in California, a microphone charging mode has been added that is compliant with California's battery charging requirements.
Improved microphone shut-down	To improve overall battery life and microphone behavior, microphones will now shut down if a low battery voltage is detected, or the microphone calculates the battery level to be below 2%.

Firmware Version: 1.1.6.543

Issues resolved and features added in this firmware release:

Summary	Notes
Mute button issues when using constant LED lights	Mute buttons are now working correctly and reporting status correctly.
Support of Cisco Catalyst AVB implementation	Added support for Cisco Catalyst AVB.

Firmware Version: 1.1.6.535



Issues resolved and features added in this firmware release:

Summary	Notes
Primary and secondary do not synchronize mute after a reboot	Mute status is now synchronized.
Setting DHCP from the front panel did not change the network settings	The system now asks the user to confirm before rebooting, which will change the network settings.
Mute integration with Biamp Tesira Forte did not work for microphones 9-16	Messaging to the Biamp Tesira Forte was changed to reflect microphones 9-16
Antenna connection after a restart could take several minutes	Antenna communication has been restructured to minimize connection time

Firmware Version: 1.1.6.501

Issues resolved and features added in this firmware release:

Summary	Notes
Support for Yamaha MRX7-D Processor	Close integration for mute control with the Yamaha MRX7-D is now available via drop-down.
Inconsistency in network settings	In rare cases the front panel and the web UI could get out of sync displaying different DHCP information.
Progress indicators during software upload	During software upload the web interface now displays progress indicators.
Restricting import of information	In previous build, export and import included some system specific settings that were not relevant for the import. These settings are no longer imported.
Microphones lose power when tapped together	Some Elite microphones shut down when tapped against each other or a hard surface due to a power loss as the battery might move in these cases. Microphones will now automatically restart if such a power loss is detected.
Additional LED setting	An alternative setting for mute light with the LED off when the microphone is muted and green when the microphone is unmuted was introduced.
Support for channels 9-16 on Biamp Tesira	When configuring external mute for a Biamp Tesira the system now allows selecting two microphone ranges – 1-8



Summary	Notes
	and 9-16.
Biamp Tesira Forte mute control not working when connected via network	Mute control with the Biamp Tesira Forte now works both over the serial connection and over IP connection.
AVNu compliant AVB reference platform	Elite now includes an AVNu certified reference implementation for AVB, ensuring that the AVB interface is compliant.
Fast Connect in large AVB networks	In large AVB networks, under certain circumstances after a network restart reconnecting AVB streams could fail. This is now resolved.
Telnet reconnect after reboot (e.g. power failure)	After an unexpected reboot of an Elite unit, previously started Telnet connections might not have been automatically re-established.
Static IP addresses	In certain circumstances, an Elite base unit would not keep a previously assigned static IP address. This has been resolved.
Front panel lock-up	In rare cases the front panel and other interfaces of the Elite base might have locked-up, not allowing access to the system anymore.

Firmware Version: 1.1.5.458

Issues resolved and features added in this firmware release:

Summary	Notes
Removing Java from web interface	With Google Chrome and other web browsers removing support for Java, the web interface is no longer relying on that technology.
Microphone link issue in EU frequency	In rare cases, microphones failed to re-link after staying in the charger for an extended period. This is resolved in this version.

Firmware Version: 1.1.5.448

Issues resolved and features added in this firmware release:

Summary	Notes
Mute group behavior	In rare cases, mute changes in groups across clusters were



Summary	Notes
across clusters	not received correctly on all microphones.
Microphone battery charging	In rare cases, chargeable batteries failed to be detected as such, specifically in gooseneck microphones. This has been corrected for microphones running this firmware code.
RF scanner – available channels	For some of the available RF settings the number of available channels was calculated wrongly on the RF scanner page.
AVB fast connect	Fast connect has been implemented in this build. Elite AVB listeners will now automatically reconnect if a stream was disrupted (e.g. system shut down, network issues).
DHCP enable from front panel	It is now possible to enable DHCP from the front panel to address cases where an incorrect static IP address was set.
CLI username and password user selectable	Users can now select a username and password to enable the CLI interface for room control integrations.
Pairing without password	The front panel now allows pairing of microphones without requiring a password. This is an additional setting and can be enabled / disabled from the Web UI.

Known issues in this firmware release:

Summary	Notes
AVB synchronization for RF clocking is not working in environments with multiple Executive Elite bases	When more than one Executive Elite base is to be synchronized for RF synchronization, we recommend using the 3-wire sync bus, and using one of the Executive Elite bases as clock master in the AVB network to synchronize the AVB streams. See the knowledgebase article on our website for more detail on setup.

Firmware Version: 1.1.3.413

Issues resolved and features added in this firmware release:

Summary	Notes
Mute LED behavior	Mute LED behavior (blinking or steady light) can now be selected by the customer.
Wearable microphone battery charging	Previously to this build, a wearable microphone with an empty battery would not power up in or outside the charger and never charge. This has been corrected for microphones running this firmware code.
Chargeable / Non-	The charging algorithm in previous builds required the



Summary	Notes
chargeable battery detection	batteries to be removed from the microphones to re-initiate a determination for chargeable or non-chargeable battery. In addition a microphone will now also check the battery type after a microphone firmware upgrade if the previously determined battery type was “non-chargeable”.
Clock drifting	A new setting was added to the web interface, allowing re-tuning of the internal clock.
Gooseneck microphones in cross-over installations	Gooseneck microphones in permanent cross-over installations without batteries behaved incorrectly. This has been corrected.

Firmware Version: 1.1.2.404

Microphone upgrades from a previous release to firmware 1.1.2.404 will go through two stages. First the new firmware is loaded onto the microphone indicated by rapid red blinking LEDs on the microphone and the front panel of the base DSP. After that the microphone will upgrade some internal settings during which the microphone LEDs will either blink rapidly yellow or the low battery LED will show constant yellow. This update stage will take less than a minute.

Issues resolved and features added in this firmware release:

Summary	Notes
Chargeable / Non-chargeable battery detection	Improvements to the detection of non-chargeable and chargeable NiMH batteries (tabletop microphones) were implemented, allowing detection of depleted NiMH batteries as chargeable batteries. Correct identification of a chargeable battery might take up to 30 minutes, based on the charging state of the battery. While the battery type has not been detected, the battery might be identified as unknown type or as an alkaline battery in the local web UI and the front panel UI. The LED of the microphone will be yellow in the charger or off until the battery type was identified as NiMH.

Firmware Version: 1.1.1.398

Issues resolved and features added in this firmware release:



Summary	Notes
Microphones lost link and could not relink	In rare cases microphones that lost link could not re-link. This was resolved.
Two microphones paired to the same channel	Under certain circumstances it was possible to pair two microphones to one microphone channel. Only one microphone would send audio data in that case. The second microphone did not realize that it was un-paired. This is resolved.
Microphone in Crossover adapter thinks it is in charger	The detection algorithm to determine whether a microphone is in a crossover adapter or a charging station was refined so that microphones now detect crossover adapters always correctly.
Wearable Microphone turn-on time	Wearable microphones that were switched off turned on immediately when the button was pressed. All other microphones expect the button to be pressed for about 1.5 seconds before they turn on. The turn-on time for the wearable microphone was increased, the microphones now act like the other microphones.
Gooseneck microphones are not acting as tabletop style microphones for mute control	In mute control, gooseneck microphones were added to the group of tabletop microphones (omnidirectional and directional microphones), to allow for the expected mute behavior in tabletop groups.
Support for 4 channel Executive Elite base systems	Support for 4 channel base systems, including layout and design of the web interfaces for the 4 channel system was added.
Microphone mute lock not working after reboot	The microphone mute button lock did not persist through a reboot. The feature is now persistent.