

RAVE firmware revision history

QSC Audio Products, Inc. has been shipping RAVE products for several years. During this time the CobraNet™ protocol, as well as RAVE hardware, has evolved and the combined feature set for RAVE products has continued to grow. As a result, QSC has released a number of CobraNet firmware versions in our RAVE products. QSC “qualified” releases and their primary features are listed below.

- 1.5.1 Stable version 1 CobraNet protocol release. This release supports operation on network repeaters only is not compatible with version 2 CobraNet. This release can be identified by the front-panel “rainbow” display upon power up of the RAVE unit. Upgrading these older units to version 2 of the CobraNet protocol requires reprogramming of the internal GAL devices as well as the general code update. See QSC’s Technical Services Department for upgrade options with these units.
- 1.5.3 Stable version 1 CobraNet protocol release. This release corrected an error in sample rate information, as delivered in the channel status bits, on AES/EBU models. Sample rate reporting does not affect the operation of RAVE products. CobraNet version 1.5.3 was also the template for Rapid RAVE. Version 1.5.3 supports operation on network repeaters only is not compatible with version 2 CobraNet. This release can be identified by the front-panel “rainbow” display upon power up of the RAVE unit. Upgrading these older units to version 2 of the CobraNet protocol requires reprogramming of the internal GAL devices as well as the general code update. See QSC’s Technical Services Department for upgrade options with these units.
- 2.5.16 Stable version 2 CobraNet protocol release. This release supports RAVE operation on repeater networks and switched networks. Version 2.5.16 also supports remote code upload via Trivial File Transfer Protocol (TFTP), external synchronization and all features of previous releases. This release is identified on the front-panel LED display with “5.16” illuminated red in binary format (version 2 is implied). Upgrading from this release to major versions 2.6.x and above can be performed over the Ethernet connection via TFTP.

- 2.6.9 Stable version 2 CobraNet protocol release with SNMP agent. This release supports RAVE operation on repeater networks and switched networks. It supports monitoring, configuration and device reset via Simple Network Management Protocol (SNMP). Additionally, this release supports robust operation with large networks and provides scalable latency for multiple switch hops and long fiber runs. All previous release features are also supported. This release is identified on the front-panel LED display with “6.9” illuminated red in binary format (version 2 is implied). Upgrading from this release to major versions 2.7.x and above can be performed over the Ethernet connection via TFTP.
- 2.8.5 Stable version 2 CobraNet protocol release with “persistence” of management interface (MI) variables. This release provides retention of user-configurable parameters upon a power cycle or firmware restart event. This release also provides auto and/or user-configurable forwarding delay for large network installations. Additionally, version 2.8.5 allows analog RAVE products to transmit 24-bit audio and provides user-selectable device configuration via software or hardware. All previous release features are also supported. This release is identified on the front-panel LED display with “8.5” illuminated in red in binary format when hardware configuration is selected or illuminated in amber when software configuration is selected. Upgrading from this release to major versions beyond 2.8.x can be performed over the Ethernet connection via TFTP.