V1.2.2 is a maintenance firmware release for the CQ series of digital audio mixers.

Note Refer to the Allen & Heath website (www.allen-heath.com) for
- The latest information on CQ
- The CQ User Guide
- The Allen & Heath support knowledgebase

Note Firmware updates are included in the CQ-MixPad app, available for iOS, Android, macOS and Windows. To carry out an update from CQ-MixPad, ensure the app is up to date, connect to your CQ and follow the on-screen instructions.

Note Firmware can be installed via USB, firmware files are downloaded as a compressed ZIP folder containing a *.bin file. Ensure you have the correct file for the CQ model you are updating.

> **CQ-12T** = CQ12tUPG_1_2_2_r4248.bin
> **CQ-18T** = CQ18tUPG_1_2_2_ r4248.bin
> **CQ-20B** = CQ20bUPG_1_2_2_ r4248.bin

Note Format your USB device using the CQ mixer format utility. Not all USB devices will be compatible with the CQ mixer. Use the device only for the CQ mixer once you have formatted it and checked it to work correctly with the mixer.

Note The CQ has a main image and back-up image for stability and redundancy. Updating the firmware will always overwrite the alternate image to the one being used to carry out the update.

Note If using CQ-MixPad or CQ4You apps, ensure that the first two numbers of the firmware and app versions match.
CQ firmware V**1.1**.0 and CQ MixPad V**1.1**.2 are compatible.
CQ firmware V**1.0**.2 and CQ MixPad V**1.1**.2 are not compatible.

Note Scenes and shows created with an earlier version of firmware can be recalled on an CQ running more recent firmware releases but scenes and shows created using the latest firmware cannot be recalled on older firmware.

Note Updating firmware (from V1.1.0 onward) will not clear or delete data, but it is best practice to store a Show before carrying out an update.

Note CQ's manufactured before September 2023 were loaded with firmware V1.0.1. Data stored using this version is incompatible with later firmware and a full reset should be carried out after the first firmware update. Refer to the CQ user guide for instructions on how to carry out a full reset on a particular model.

Improvements

ID-1909: Improved Network and Bluetooth initialisation (CQ-18T/CQ-20B).
ID-1913: Improved USB-B streaming stability (CQ-12T).
ID-1831: Improved handling of Firmware update via MixPad app.
ID-1895: Added MIDI Active Sense.

Fixes

ID-1905: Fixed Trim updating incorrectly on scene recall.
ID-1848: Connection of MixPad app prevented after shutdown (CQ-20B).
ID-1910: Output pre/post setting could disappear after invalid external message.
ID-1892: Confirm scene operation now displays the correct state.
ID-1838: Windows now reports stereo USB channel name correctly.
ID-1008: Fixed noise on USB streaming audio when disconnected during use.
ID-1907: Firmware update during Bluetooth initialisation now prevented (CQ-12T).

CQ-MixPad

ID-818: Fixed a scaling issue on some versions of Android.
ID-838: PEQ/FBA graphs display frequency axis labels on all platforms.
ID-829: Improvements to updating channel names throughout the app.
ID-801: Fixed incorrect mix blend when switching FX between Shared/Inserted.
ID-826: Output pre/post setting incorrect following invalid external message.
ID-828: Fixed incorrect USB channel assignments information being displayed.
ID-614: Fixed incorrect USB channel assignment labelling.
ID-812: Fixed SENDS disappearing when switching between Quick and Complete channel.
ID-481: Fixed output EQ view not updating correctly when EQ type is changed.
ID-786: Valid keyboard characters for text entry now match the unit.

Known Issues

ID-738: MixPad Quick Channel library displays Complete Channel items until tabs are toggled.
ID-1875: MIDI Mute Toggle does not work with DCA Mute or MGrp Mute.
ID-1878: MIDI 'get' messages for DCA and MGrp Mute always return 'off'.

V1.2.1 Maintenance Release

Features

ID-1889: Support for LiveTrax auto track naming feature.

Improvements

ID-1600: Improved stability of Bluetooth and 2.4GHz wireless connections.

ID-1897: Added horizontal Output naming to Sends screen.

Fixes

ID-1898: Output names now update correctly in FX Outputs screen.

ID-1890: Custom Layer Tab 'C' name suffixed with 'FX' when given a long name.

CQ-MixPad

ID-803: Scroll gesture on macOS could prevent faders from being moved.

ID-977: DCA / Mute Group mute correctly update status.

ID-798: FX Sends 3 and 4 incorrectly appearing on CQ-12T.

ID-779: Unable to paste Output Compressor settings.

V1.2.0 Feature Release

Features

ID-1656: Added Mute Groups.

ID-1657: Added DCAs.

ID-1658: Added Custom layer.

ID-1663: Added EQ on FX returns.

ID-1664: Added switchable Input source point to Out 1-6.

ID-1659: Added MIDI Control.

ID-1717: Added Lock Screen.

ID-1590: Added Output strip and FADER Sends to Out 1-6 background colour.

Improvements

ID-1842: Removed default password for Wi-Fi (PSTI).

ID-1645: When playing back a stereo recording it is possible to drag the seek bar position without the playback position changing.

ID-1647: Touchscreen rotary deselects when changing channels (CONFIG).

ID-1642: Soft rotaries will remain connected to the previous screens when navigating to the FX screen.

ID-1586: No reason given when maximum number of remote devices exceeded.

ID-1453: Soft rotary functions don't update when storing a scene or show.

ID-1372: Input 1 selected after making a channel stereo.

ID-1227: Stereo linked odd channel gain can get out of step after a scene recall.

ID-1553: After renaming a scene, keyboard doesn't auto close.

Fixes

ID-1828: Network/Bluetooth initialising forever on boot.

ID-1827: Bluetooth pin not always displayed on boot (CQ-12T).

ID-1721: Switched stereo image on Bluetooth Input (CQ-12T).

ID-1624: Potential corruption of FAT header on USB drive or SD card.

ID-1571: FX return channels can't unmute once muted.

ID-1654: Stereo linked Out delay can break on boot.

CQ-MixPad

ID-745: Missing headphone level from soft rotary controls.

ID-674: Channel library on input config page doesn't update correctly.

ID-672: FX Sends To page does not include ST2 for CQ-20B.

ID-673: HPF icon only appears when set to OUT.

ID-650: Renaming MainLR doesn't change it throughout GUI.

ID-622: FX Type selection doesn't stay selected.

ID-581: Only one input highlights in multi select when you select a stereo input.

ID-651: Multi Select with input source doesn't work on stereo channels.

ID-530: Library button not disabled when multiselect is on.

ID-464: HPF curve on Output thumbnails.

ID-457: Multi track record indicators appear different to unit.

ID-439: Soft rotary functions don't update when storing a scene or show.

V1.1.1   Maintenance Release

Improvements

ID-1233: Software shutdown added.

ID-1623: Adjustments to Bass and Vocal Quick Channels.

ID-1592: Better graph/curve rendering.

ID-1588: Paste options match copied data.

ID-1593: Confirm Scene Operations switch added.

ID-1595: 'FX Mute All' switches out inserted FX units.

ID-1293: FX/Output faders do not change colour on FX/Out select.

Fixes

ID-772: RTA incorrectly switching between unit and CQ-MixPad.

ID-1603: Unused remote messaging handles removed.

ID-1568: Recall of Hi-Z channel on non-Hi-Z input limited gain range.

ID-1561: AMM Follow Fader state matches CQ-MixPad.

CQ-MixPad

ID-293: Show/Library pages disabled when already drive in use.

ID-545: Hi-Z switch added to config screen.

ID-653: Incorrect parameters hidden by PEQ LF/HF shelf/filter modes.

ID-477: Paste options match copied data.

ID-630: FX Sends To screen updated to match hardware.

ID-158: Output names displayed in right hand side output select.

ID-399: Output names displayed on sockets in config screen.

ID-294: 'In Use' correctly displayed on SD/USB status screen.

ID-536: Incorrect inserted FX channel displayed after mixer config changes.
ID-438: Record/Playback buffer meter scaled correctly.
ID-607: Buffer Usage meters labelled correctly.
ID-506: Disable control of FX sends to inserted unit.
ID-567: Quick Start recall can cause Quick Channels to be incorrectly shown.
ID-636: App showing incorrectly in macOS Launchpad.

V1.1.0   Initial Release