

mObridge DSP Application Release Notes

[25.08.00] - 2025-08-25

Changed

- Fixing inability to resynchronize product upon firmware updates.
- Fixing forever hanging checking for updates.

[25.06.00] - 2025-06-05

Added

- Adding support for updated products.

[25.05.01] - 2025-05-05

Changed

- Fix incorrectly loaded time align distances when loading tune from file.

[25.05.00] - 2025-05-05

Changed

- Fix incorrect center channel EQ save to file
- Fix incorrect upmix and timealign preset copy persistence.

[25.04.00] - 2025-04-23

Changed

- Fixing broken remote firmware updates.



mObridge DSP Application Release Notes

[25.01.01] - 2025-01-31

Changed

- Fixing incorrect channel count for NG1.Pro product

[25.01.00] - 2025-01-24

Changed

- Fixing issue where unrecognized product will not connect even in force mode.

[24.11.00] - 2024-09-26

Added

- Adding new speaker variants for use with DA-G3

Changed

- Updated highlighted speaker graphic to reflect mObridge theme.

[24.09.02] - 2024-11-25

Added

- Adding support for DA-G3 preamp series

[24.09.01] - 2024-09-26

Changed

- Tune file saves now ensure to save the DSP app version of the currently connected device.



- Fixing exit prompt inability to cancel.

[24.09.00] - 2024-09-23

Changed

- Additional safeguards when asynchronously waiting for reads/writes on the device, ensure timeout can occur to prevent waiting indefinitely. Possible fix for zombie background process issue.

[24.08.01] - 2024-09-13

Changed

- Fixing incorrectly sized input gain spinbox on macOS.

[24.08.00] - 2024-08-26

Changed

- Fixed backwards incompatibilities with legacy amplifiers

[24.07.02] - 2024-07-23

Changed

- Remove empty options sub-menus for products not supporting some options.



mObridge DSP Application Release Notes

[24.07.01] - 2024-07-22

Added

- Support for Rear Fill, on applicable products
- Option to have head unit bass control either modify master EQ, or to offset the gain on sub woofer assigned channels.

Changed

- USB communication speed increase, on applicable products.

[24.07.00] - 2024-07-04

Changed

- Fixing incorrect loading of older tunes with center channel set.
- Fixing some improper settings retainment between firmware updates, or when loading some tune files.

[24.06.06] - 2024-06-25

Changed

- Fixing incorrect loading of older tunes, where some channels would no longer be mapped.

[24.06.05] - 2024-06-14

Changed

- Further fix for intermittent issue where if multiple mObridge devices are connected, the input gains and channels selections are empty for one of them.



[24.06.04] - 2024-06-12

Changed

- Fixing sometimes broken user manual, install guide links when automatice update checks are on.
- Added install guide and user manual links to Help menu.
- Added UI user guide to Help menu.

[24.06.03] - 2024-06-12

Changed

- Fixing intermittent issue where if multiple mObridge devices are connected, the input gains and channels selections are empty for one of them.

[24.06.02] - 2024-06-12

Changed

- Fixing issue where firmware update check gets stuck indefinitely.
- Fixing macOS device screen display issue.

[24.06.01] - 2024-06-11

Changed

- Fixing regression where mute all button is no longer visible.



[24.06.00] - 2024-06-05

Changed

- Do not fetch latest firmware releases if firmware has a stable release marked.

[24.05.03] - 2024-06-05

Changed

- Ensure Q-L/R checkbox only set after Woofer/Sub channel, and previous channel was also checked.

[24.05.02] - 2024-05-21

Changed

- Fixing legacy upmix/timealign model support when loading from tune files.

[24.05.01] - 2024-05-20

Changed

- Fixing crossover link to only mirror the filter crossovers (LPF/BPF/HPF) between channels.

[24.05.00] - 2024-05-17

Changed

- Fixing time align distances not being saved for presets other than 1.
- Fixing dialog window shrinking on main window movement.
- Fixing Qt issues on upgrade to 6.7.0



[24.04.01] - 2024-04-17

Changed

- Fixing broken input channel select check boxes regression.

[24.04.00] - 2024-04-16

Changed

- Fixing incorrect DRC channel limiter value after a preset copy.
- Adding MOST25 vehicle specific logical input labels.

[24.02.02] - 2024-02-23

Changed

- Fixing incorrect scaling/offset of speaker mute overlay icons.
- Reducing minimum input gains to -48 dB.
- Fixing issue where channel is incorrectly muted on device connection.

[24.02.01] - 2024-02-14

Changed

- Fixing incorrect speaker tooltip mute suffix.
- Fixing regression where speakers do not display correctly on startup.



[24.01.03] - 2024-01-31

Changed

- Fixed issue where factory reset hangs forever.
- Extended flash timeout.
- Potential fix for mute overlay image over speaker icon not appearing correctly.

[24.01.02] - 2024-01-25

Changed

- Add timeout to factory reset, reset functions to ensure hang-free operation.
- Additional fixes for resetting device after firmware update.

[24.01.01] - 2024-01-16

Changed

- Adding previously removed center channel upmix algorithms. These are now operational again.
- Adding "Tune" suffix to New, Save, Save AS etc. for more clarity to user.

[24.01.00] - 2024-01-09

Changed

- Adding missing OEM products.



[24.00.00] - 2024-01-04

Changed

- Fixing scaling and text placement issues in macOS since Qt6 port.
- Fixing bundled firmware directory location.
- Fixed reset command going unresponsive and hanging forever issue.

[23.12.02] - 2023-12-15

Changed

- Fix incorrect BMW input labels
- Fix incorrect time align description label.

[23.12.01] - 2023-12-14

Changed

- Ensure vehicle selection does not change between firmware updates.
- Move vehicle selector so that master EQ is not shrunken.

[23.12.00] - 2023-12-11

Changed

- Add center channel up-mix capabilities, including ADP.
- Add master/channel EQ designators
- Change configuration tab name to "Config & Master EQ" to better represent content.



[23.11.03] - 2023-11-14

Changed

- Fixed copy preset/EQ regression issue introduced on port to Qt6

[23.11.02] - 2023-11-08

Changed

- Removed unused Ftdi CDM driver from Windows installer.

[23.11.01] - 2023-11-08

Changed

- Additional Qt6 support for macOS
- Minimum macOS is now Catalina 10.15, as Qt6 mandates this.

[23.11.00] - 2023-11-01

Added

- Add Ford A2B 16CH amplifier prototype support
- Add BMW AVB 16CH amplifier prototype support ### Changed {#changed-40 }
- Fixed incorrect display of Digital Inputs for analog products.

[23.08.05] - 2023-09-28

Changed

- Remove vehicle selector for K2 A2B Ford product, this has DIP switches.



- Fix label alignment for time align and limiter screens.

[23.08.04] - 2023-08-30

Changed

- Slightly re-scale the re-scaled the DSP levels to cater for DSP firmware offset, and allow for +9dB boosts now.
- Support custom Windows UI scaling beyond 100%. Reduce default UI size to accomodate.

Known Issues

- Port to Qt6 framework for UI scaling has broken the copy preset and copy EQ features.

[23.08.03] - 2023-08-29

Changed

- Add the DRC limiter UI to it's own tab, to show the feature more prominently.
- Fixing incorrect legacy .rax file loading of EQ points for new gain scale.
- Update MOST25 device first inputs to be labelled as "stereo".

[23.08.02] - 2023-08-28

Changed

- Re-scale the DSP gain levels to allow for more precision when specifying gains.
- Allow for correct calibration of 0dB level.
- Addition of stereo input gain level spinbox.



[23.08.01] - 2023-08-24

Changed

- Addition of entirely new time alignment wizard, moved to own tab.
- Remove DRC limiter temporarily while it is being fixed.

[23.07.03] - 2023-07-24

Changed

- Fixing incorrect copy of presets bug where no audio is heard on channels other than channel 1.

[23.07.02] - 2023-07-19

Changed

- Fixing often hidden time alignment spinbox.

[23.07.01] - 2023-07-12

Changed

- Quieten popups when automatic update checks are enabled.
- Add auto update options to Options menu.
- Remove non-functional center channel upmix algorithms from selector.



[23.07.00] - 2023-07-06

Changed

- Remove Dante A2B channel mapping. This should only be used in the new mObridge Master application which features a proper patch bay.

[23.06.00] - 2023-06-16

Changed

- Reinstate ability to map MOST25 mono sinks to rear left and rear right channels. This allows PDC sensor beeps to be broadcast from all corners of the vehicle, if needed.
- Fixed issue where EQ gain slider would be incorrectly set after load from .rax file.
- Fix slight issue pertaining to filter editor form offline being disabled incorrectly.
- Fix incorrect text on firmware update button after firmware download.

[23.04.00] - 2023-04-19

Changed

- Further fixes for copy/clear presets. Ensure that only affected preset is sync'd with the device.

[23.02.00] - 2023-02-22

Removed

- Time-align crosshairs and distance-box. These are misleading to the end-user, and encourage an incorrect approach to time-alignment setting. ### Changed {#changed-52 }
- Fixing issue pertaining to preset corruption when copying presets.



[22.11.02] - 2022-11-23### Changed

- Add/removing features for certain products.

[22.11.01] - 2022-11-21### Changed

- Fixing unnecessary synchronizations for master nodes.

[22.11.00] - 2022-11-20### Changed

- Adding DRC to K1.x Analog product.
- Adding support for installing scriptable archives (.sma)

[22.10.01] - 2022-10-30### Changed

- Fixing compiler optimization problems on MSVC.

[22.10.00] - 2022-10-30### Changed

- Fixing issue with time alignment in imperial measurement units.

[22.08.00] - 2022-08-30

Added

- MOST150 oPHY/cPHY input channel and sink names. ### Changed {#changed-53 }
- Fixed backwards compatibility issue with newer firmware.



[22.07.00] - 2022-07-13

Added

- Support for MOST150 oPHY/cPHY and A2B Ford K2 DSP/amplifiers. ### Changed {#changed-54 }
- Allow Woofer-assigned channels to use a high pass filter, for the use-case that someone wishes to use a passive crossover on said channel.

[22.06.00] - 2022-06-23

Added

- Support for 16-bit filter bins. ### Changed {#changed-55 }
- Fixing UI bug with Woofer/Subwoofer channel filter slope.

[22.05.02] - 2022-05-16### Changed

- Fixing high pass filter glitch.

[22.05.01] - 2022-05-09### Changed

- Fixes for macOS Monterrey.
- Fixing incorrect dBFS slider offset in DRC interface.
- Force Biquad filter for woofer and subwoofer channels, as this is all that is supported.

[22.04.00] - 2022-04-12

Added

- Adding support for DA-G2 A2B Generic product.



[22.03.00] - 2022-03-11

Added

- Support for high DPI resolutions, custom scaling.

[22.02.03] - 2022-02-24

Added

- Fixing recovery mode crashing issues.

[22.02.02] - 2022-02-16

Added

- Dynamic Range Compression tuning on selected products.
- Ability to check power on outputs. ### Changed {#changed-56 }
- Automatic updater incorrect dialog box title.
- Increase IIR stage maximum to 17. This now allows a maximum of 16 points on Woofers/Subwoofers.

[22.02.00] - 2022-02-02

Added

- Adding ability to flash fixed NV images. ### Changed {#changed-57 }
- Fixing bug with default Q factor left and right mirroring.



[22.01.00] - 2022-01-25

Added

- Warn when loading rax files for different products
- Ability to ignore rax warnings.
- Per EQ point Q-factor mirroring.
- Biquad-only IIR crossover filters for certain products. ### Changed {#changed-58 }
- Updating mObridge icon.
- Fixing preset combobox UI glitch.
- Faster tooltips when hovering over widgets.

[21.11.02] - 2021-11-18

Changed

- Fixing broken styling on equalizer tool buttons.

[21.11.01] - 2021-11-18

Changed

- Reworking automatic updater to be less confusing.

[21.11.00] - 2021-11-5

Changed

- Fixing connection issue with DSP-enabled masternodes.



[21.10.00] - 2021-10-28

Changed

- Adding product support for M1 amp, and latest DSP app version.

[21.09.01] - 2021-09-29

Changed

- Fixing crash when loading certain .rax configuration files.

[21.09.00] - 2021-09-10

Changed

- Fixing broken product connectivity with legacy products.

[21.08.02] - 2021-08-25

Changed

- Fixing description and features for A2B Bridge product.

[21.08.01] - 2021-08-18

Changed

- Fixing crash on copying presets when crossovers are enabled.



[21.08.00] - 2021-08-12

Changed

- Fixing combo box appearances in macOS, to allow for proper preset copy/delete.
- Fixing broken Q-factor L-R linking in Master EQ.
- Fixing broken auto firmware updater URL, as webserver is now redirecting links.
- Fixing filter slope being incorrectly readjusted when selecting between a Woofer/SubWoofer and any other speaker.

[21.07.00] - 2021-07-08

Added

- Fixing zero-length string for DSP settings 'name' field.

[21.06.01] - 2021-06-10

Added

- Product vehicle details for DA-G2 MOST150 Coax product. ### Changed {#changed-68 }
- Fixing broken filter slope implementation on Woofer/SubWoofer channels. These channels are only able to be made 2nd, 4th, 6th, or 8th order, since they utilize Biquad filtering functions.
- Fixing time alignment options menu visibility bug.

[21.06.00] - 2021-06-04

Added

- Time alignment measurement units (in/mm) is now selectable via user interface. ### Changed {#changed-69 }



- Fixing incorrect LPF/HPF/BPF values when switching speakers.
- Fixing incorrect x-over pair initialization when loading from file.

[21.05.01] - 2021-05-26

Changed

- Fixing macOS build issues on Big Sur.

[21.05.00] - 2021-05-14

Changed

- Fixing DA-G2 A2B Standard feature compatibilities.

[21.04.00] - 2021-04-26

Added

- Support for DA-G2 MOST150 COAX product range.

[21.03.02] - 2021-03-26

Added

- Re-adding Porsche PCM3.x vehicle option.



[21.03.01] - 2021-03-18

Added

- Direct Pass Thru to DA-G2 A2B MN.

[21.03.00] - 2021-03-01

Added

- Ability to copy and reset presets.
- Confirmation dialog when unampping all speakers. ### Changed {#changed-72 }
- Optimized Copy EQ points functionality.
- Fixed mute all control desynchronization with speakers.

[21.02.02] - 2021-02-19

Added

- Support for logical inputs versus input channels.
- Copy EQ points popup menu now has a title. ### Changed {#changed-73 }
- Fixing mismatch of indices of input gains.

[21.02.01] - 2021-02-16

Added

- Feature to copy EQ points between EQs. ### Changed {#changed-74 }
- Reworked some UI components.
- Fixed issue regarding incorrect input gain indices being synchronized.



[21.02.00] - 2021-02-05

Added

- Amplifier K2 MOST25, MOST150, and A2B Ford product range. ### Changed {#changed-75 }
- Fixing unmapping sync'ing issues for certain products.
- Fixing connection issues with legacy products.

[20.12.02] - 2020-12-23

Changed

- Fixed issue with backend scripting mechanism.

[20.12.01] - 2020-12-17

Changed

- Fixed issue with vehicle label/selector.

[20.12.00] - 2020-12-04

Added

- Ability to select between multiple connected USB devices.
- Time Alignment floating window exit button. ### Changed {#changed-78 }
- Mute label now greys out when disabled.
- Layout issues for Vehicle selection panel.
- Fixing EQ bins plot showing for Biquad channels.



[20.11.00] - 2020-11-18

Added

- Biquad IIR cascaded filtering support

[20.10.01] - 2020-10-14

Changed

- Fixing regression issue with DA3 mono input gain adjustment.

[20.10.00] - 2020-10-06

Changed

- Fixing issue with "Mute All" control.
- Fixing layout issues with combo boxes on macOS.

[20.09.01] - 2020-09-25

Changed

- Revamp mute controls to be more intuitive.

[20.09.00] - 2020-09-16

Added

- Adding DA-G2 A2B Ford product images. ### Changed {#changed-82 }
- Gain increments are now in 0.1 dB resolution, for supported firmware.
- Fixing DA-G2.Standard products to include TOSLINK mapping.



[20.08.03] - 2020-08-31

Changed

- Changes to K2 MOST25 product configuration.

[20.08.02] - 2020-08-28

Changed

- Tidying vehicle selector, removing source selector.
- Fixing K2 MOST25 amplifier inputs and vehicles.

[20.08.01] - 2020-08-28

Changed

- Fixing K2 MOST25 amplifier feature compatibilities.
- Fixing vehicle label update on Device screen.
- Various backend improvements to update checker mechanism.

[20.08.00] - 2020-08-07

Changed

- Fixing issue with vehicle selector not properly updating for DA1/DA2/DA3 products.
- Disable "Tools" menu during firmware update.



[20.07.00] - 2020-07-07

Changed

- Fixing issue where no speakers are displayed as mapped.
- Fixing issue where speaker channel mapping would be incorrect after loading a .rax file.

[20.06.01] - 2020-06-19

Changed

- Fixed updater mechanism to ensure that minimum required previous versions are being observed when flashing FIF files.

[20.06.00] - 2020-06-04

Added

- Numerous keyboard shortcuts added including:
  - Tab selection
  - Speaker selection
  - Fullscreen
  - Misc. options
- Ability to mute/unmute all speakers at once.
- A2B slave HU controls. ### Changed {#changed-89 }
- Fixing SSL issues with automatic firmware updates.
- Updated software licensing acknowledgements for Qt, and other open-source libraries used.
- Mono input channels will now use the label "Sink" to avoid incorrect association with subwoofer inputs.



[20.05.00] - 2020-05-01

Added

- Full device recovery mode.
- Additional flash file checks prior to update.

[20.04.01] - 2020-04-09

Added

- Adding product support for W K1 2.0 A2B Amplifier.

[20.04.00] - 2020-04-01

Changed

- Further restrict input channel mapping to certain speakers for DA-G2 MOST25, MOST50, and MOST150 products.

[20.03.01] - 2020-03-19

Changed

- Input delays can now be adjusted to 0.1 of a millisecond.
- Minor fixes for Biquad filtering implementation.

[20.03.00] - 2020-03-12

Added

- Support for Biquad time-domain filtering. ### Changed {#changed-92 }



- Fixed vehicle selector on DA1, DA2, and DA3 products
- Fixed EQ watermarks displaying on clusters with a single speaker.
- Fixed time alignment distance miscalculation.
- Fixed swapped low/high pass filter parameters for band pass filters.
- Fixed misc. UI issues.

[20.02.01] - 2020-02-27

Added

- Restart/reboot device button on device screen. ### Changed {#changed-93 }
- Increasing filter slope maximum to 48 dB/8ve (8th order).
- Hide time align panel on channel map form when unmapped speaker is selected.
- Fixed automatic synchronization of DSP data to device after firmware update, potentially overwriting user data.
- Restrict input channel mapping to certain speakers for DA-G2 MOST25, MOST50, and MOST150 products.
- Fixing issue with EQ point magnitude spinbox not changing upon adjusting the gain slider.
- Fixing issue with improper graphics overlay updating of speaker icons when muting/unmuting in presets other than 1.

[20.02.00] - 2020-02-01

Added

- Automatic device backups prior to performing a firmware update. ### Changed {#changed-94 }
- Fixed vehicle make/model display issues for DA-G2 series of products.
- Fixed improper destruction of dynamic widgets when disconnecting device, resulting in "stacked" widgets on reconnection.
- Fixing incorrect upmix LMS algorithm default parameter.
- Fixed incorrect register of speaker selection change when remapping a speaker.

- Fixed app resizing/plotting issue when direct passthrough is enabled.
- Fix crash when adjusting gain slider with no (visibly) selected EQ point on Channel EQ.

[20.01.02] - 2020-01-24

Changed

- Fixed issues with enabling/disabling controls during updating firmware.
- Fixed broken Release Notes link after updating to latest online updating API.

[20.01.01] - 2020-01-23

Added

- Product support for DA-G2.Entry MOST150
- Product support for DA-G2.Entry MOST50 ### Changed {#changed-96 }
- Move Master Node (MN) build into main build.
- Fixing centre-channel upmix algorithm selector issues.
- Full rework of the product configuration table.
- Fixed unhidden filter curve when toggling Direct Passthru feature.
- Fixed the time align crosshairs flickering issue when enabling a speaker for a product which does not support time align.
- Display output channel indexes in output channel map combobox. Helps to map to speaker selector numeric labels.
- Migrate to latest online update/support API.



[20.01.00] - 2020-01-10

Added

- ANC eng. panel overhaul, including impulse response graphing, and speaker selection/mapping.

[19.12.02] - 2019-12-23

Changed

- Fixed issue where the mono/analog input gains were being set incorrectly.

[19.12.01] - 2019-12-12

Added

- Product support for PPAP MOST25 Masternode.
- UDS support to scripting interface. ### Changed {#changed-98 }
- Fixed incorrect speaker mapping displaying in speaker selector.
- Fixed failure to update speaker icon when muted, and when disconnecting device.
- Fix crash when clearing masternode log.
- Fix broken headunit controls on masternode.
- Fix incorrectly set automatic add filter option.
- Fix issue where application cannot close due to false positive regarding firmware update.
- Gain slider now properly reflects the value of master/channel gain as an integer.
- Fix broken update of gain spinboxes.
- Fix crash when disconnecting a device with a non-zero gain.



[19.12.00] - 2019-12-03

Added

- Product support for DA-G2 MOST50 Pro/Standard.
- Product support for ANC A2Bv2 amplifier. ### Changed {#changed-99 }
- Fixed synchronization bug where queue never properly cleared.

[19.11.02] - 2019-11-28

Changed

- Fixed false positive "incompatible device" on device connection.
- Fixed rare startup crash when loading EQ from device.

[19.11.01] - 2019-11-22

Changed

- Fixed connection bug when multiple FTDI devices are connected, where one or more of which are not FD/mObridge devices.

[19.11.00] - 2019-11-19

Added

- Manual update only option to disable automatic updating.
- Support for mono input delay on DA-G2 products.
- Masternode levels adjustment (volume, bass, treble, etc. . .) ### Changed {#changed-102 }
- Fixed crash when changing EQ gain straight after loading from device.
- Fixed automatic firmware update checkboxes bug where the checkboxes are permanently disabled.



[19.10.04] - 2019-10-31

Changed

- Fixing bug on A2B and MOST logging/controls for masternode build
- Fixing crashes when resetting/restarting a script.

[19.10.03] - 2019-10-29

Added

- Privileged support for MOST and A2B master node devices.

[19.10.02] - 2019-10-18

Added

- Updated support for macOS

[19.10.01] - 2019-10-10

Added

- Linkwitz-Riley DSP filter support

[19.10.00] - 2019-10-08

Added

- Product support for Bavsound MOST25 amplifier. ### Changed {#changed-104 }
- Switched out backend threading and timing for modern implementation.
- Disallow closing application when any device process is being undertaken.

- Fixed minor issues with the update checking module.

[19.09.02] - 2019-09-23

Added

- Add third-party icon acknowledgements.
- Add missing optional Time Alignment widget to Channel EQ screen. ### Changed {#changed-105 }
- No longer prompt to save settings even though nothing has changed.

Removed

- Removed QWebEngine due to enormous file sizes.
- Removed ability to locally view markdown firmware release notes. This is now handled via the mObridge website.

[19.09.01] - 2019-09-20

Added

- Application can now view markdown firmware release notes. ### Changed {#changed-106 }
- Fixed crash on close of application.

[19.09.00] - 2019-09-19

Added

- Automated online firmware updating system.
  - Automatic online checking of new firmware.
  - Automatic downloading of new firmware.
  - Retrieval of release notes for new firmware.
- Additional protection for user settings. Before firmware update, user settings are saved, and after

firmware update, they are written back to the device, in case of corrupted memory during update.
- Launch support for the DA G2 series, including new product images.
- Option for not automatically adding a filter when mapping a speaker.
- Option for not showing time align form as a popup, but rather as a static widget.
- Add a variety of missing tooltips. ### Changed {#changed-107 }
- Revamp the Device screen UI to better suit the new automatic update system.
- Speed improvements to device connection protocol.
- Fixed watermark EQ plot incorrect gain issue.
- Fixed time alignment scene crosshairs showing up offline/unsupported products issue.
- Fixed imperial measurement conversion errors in the time alignment form/scene.
- Fixed non-0 gain issue for products with channel EQ support.
- Device serial number is no longer shown if it is all zeros - N/A is shown instead.
- Disallow ability to quit application whilst updating the firmware.

[19.06.02] - 2019-06-27

Added

- Scripting interface for device testing.

[19.06.01] - 2019-06-19

Changed

- Fixed Windows 8 device inconsistent connection issues.
- Speaker name labels are now clickable for muting/unmuting speakers.
- Clean up numerous memory leaks.
- Update FTDI driver to 2.12.28.



[19.06.00] - 2019-06-11

Added

- Product support for K A2B v2 amplifier.
- Product support for K MOST25 v2 amplifier. ### Changed {#changed-109 }
- Disable EQ clear/delete buttons when no point is selected.
- Disable EQ watermark checkbox when no watermark is available.

[19.05.00] - 2019-05-16

Added

- Time alignment scene popup box on mouse hover - this shows the current speaker's time alignment settings.
- Support for changing the center channel upmix algorithm from the UI (for applicable products).
- Direct passthrough UI support - the app now disables the EQ scene and filter controls when the direct passthrough feature is checked. This is becuase the DSP completely bypasses any DSP filtering/bins when this feature is used, so it should be represented graphically. ### Changed {#changed-110 }
- Speaker selector and time alignment scene major overhaul.
- Shorten time alignment scene to allow for a taller EQ scene.
- Vehicle and source combo boxes have moved to where the time alignment spinbox list once was.
- Fixed combo box incorrect item heights.
- Fix broken animations and screen transitions.
- Graphical origin of time alignment for the left/right subwoofers is now reflected by the location within the cabin scene, rather than by shifting the entire scene.

Removed

- Unnecessary communications with the DSP device - when performing UI tasks that do not affect embedded DSP settings, the app now does not trigger a resync.
- Time alignment spinbox list. A per-speaker spinbox is now shown as a popup window when hovering

over the time alignment scene.

[19.03.02] - 2019-03-22

Removed

- Vehicle: Land Rover Gen2 Basic.

[19.03.01] - 2019-03-22

Added

- Ability to force manual selection of firmware file. ### Changed {#changed-111 }
- Fixed incorrect default firmware path in AppData directory (on Windows).
- Fixed skin theming on multiple firmware found selection dialog.

[19.03.00] - 2019-03-21

Added

- Proper firmware file checking prior to flashing.
- Confirmation dialog when flashing.
- Default firmware directory in AppData directory (on Windows).
- Vehicle: Range Rover Gen2 Premium (reinstated). ### Changed {#changed-112 }
- Fixed issue with speaker selector labels in offline mode.

[19.02.01] - 2019-02-25

Added

- Initial development support for ANC calibration. ### Changed {#changed-113 }



- Make checkbox hover/click more user-friendly.
- Fixed UI race condition prevalent in slower, older machines.
- Fixed newly introduced memory leaks.

[19.02.00] - 2019-02-11

Changed

- Merged products High Power MOST25 6.1 & High Power MOST25 6.2 amps.

[19.01.01] - 2019-02-08

Added

- Migrate to yearly versioning system.
- Product support for High Power MOST25 6.2, High Power Analog 6.2, Bimmertech prototype.
- About dialog, listing build stats, such as time, and Git SHA.
- Basic CI builds, for Debug and Release. ### Changed {#changed-115 }
- Fix multiple issues with Time Alignment cursor.
- Revamp speaker selection backend algorithms.
- Improved the gain slider mouse interaction.
- Fixed a rare RAX file loading crash.

[0.9.8] - 2018-12-17

Changed

- Fix incorrect filter for 6dB-sloped high/low pass filters.
- Fix speaker assign synchronization flags, fixes broken fade/balance. functionality on applicable products.



[0.9.7] - 2018-12-03

Changed

- Fix etched/blurred text on Windows 7 and older operating systems.
- Rework product features mechanism to be in one unified place.
- Fix issues with DA G2 product regarding the mono gains spinboxes.

[0.9.5] - 2018-11-07

Added

- Prouct support for K A2B Amplifier.

[0.9.4] - 2018-08-07

Added

- Product support for DA G2 MOST25, MOST50, MOST150 DSPs.

[0.9.3] - 2018-06-20

Added

- Fix random crash on connection to DSP/amplifier.

[0.9.2] - 2018-06-19

Added

- Product support for UNICENS150 amplifier.



[0.9.1] - 2018-05-04

Added

- Extra sources to product Standalone 8 chan DSP.

[0.9.0] - 2018-02-06

Changed

- Migrated AmpSettings to submodule fddsp-model.
- Migrated AmpConnect to submodule fddsp-connect.
- Revamped back-end.
- Fix race condition on DspModel initialize.
- Fix release build invocation under debugger.
- Fix crash on flashing via FTDI.

[0.8.10] - 2018-01-18

Changed

- Fix product OEM Audio+ compatibility issues with input gains and profiles.

[0.8.9] - 2018-01-08

Changed

- Fix display issues with small resolutions.
- Fix EQ point clear/delete functionality on xOver enabled channels.



[0.8.8] - 2018-01-06

Added

- Product support for High Powered DSP Amp with CAN.

[0.8.7] - 2017-12-21

Added

- Product support for Analog Amp with CAN Bus, High Power Analog Amp.

[0.8.6] - 2017-12-20

Added

- Product support for UNICENS Amp.

[0.8.5] - 2017-12-11

Added

- Missing Desktop shortcut.
- Subwoofer band-pass filtering.
- Missing Universal CRT Windows runtime. ### Changed {#changed-121 }
- Fixed incorrect install location.
- Cleaned up mObridge icon.



[0.8.4] - 2017-11-16

Changed

- Fixed missing features on product mObridge Analog Amplifier.
- Fixed issues pertaining to multiple spawning forms.
- Minor UI fixes.

[0.8.3] - 2017-11-14

Added

- Product support for mObridge Analog Amplifier.
- Missing MSVC runtime DLL issues. ### Changed {#changed-123 }
- Fixed crash on Windows where no FTDI device had ever been attached.

[0.8.2] - 2017-09-28

Added

- Input gain adjustment (on selected products).

[0.8.1] - 2017-07-17

Added

- Product support for Analog DSP and Analog Amplifier.
- Dynamic channel input mapping. ### Changed {#changed-124 }
- Fix numerous graphical issues.
- Update colour scheme of GUI.
- Backed overhaul, fixes numberous issues.



- Fix numerous memory leaks.

Removed

- Unrequired icu DLLs from install.

[0.7.6] - 2016-10-21

Added

- Product support for Aston Martin DA series. ### Changed {#changed-125 }
- Overhaul EQ graphics scene.

[0.7.5] - 2016-08-09

Added

- FTDI installer to install sequence.

[0.7.3] - 2016-07-21

Added

- Support for macOS operating system.
- FIF flash support.

[0.7.0] - 2016-05-30

Added

- Spinner graphic while connecting to device.
- GUI animation. ### Changed {#changed-126 }

- Various GUI fixes, updates.