Latest Firmware for mObridge MOST25 8.1.1 Amplifier:

Version	0.8.1
Release Date	25th January 2024
Changes	
• Further fixes for turn off/on pops. • Prevent false OTW protection at startup.	

Updating Your Firmware

Your mObridge MOST25 8.1.1 Amplifier is fully firmware updatable and can be updated in the following ways:

Via mObridge DSP:

Download and install mObridge DSP from mobridge.us/mobridge-dsp-pc-application

Via mObridge Updater:
Download and install mObridge Updater from mobridge.us/firmware-update/

Refer to our website at mobridge.us for further information.

Past Firmware Versions

Version	0.8.0
Release Date	16th January 2024
Changes	

- Further fixes for turn off/on pops.
- Fixing inability to recover from over-temperature warning gain reduction.
- Fixing center channel up-mixing occasional periodic tick.

Version	0.7.15
Release Date	4th January 2024
Changes	

- Handle MOST shutdown message for all vehicles, ensure local amplifier controller powers down.

Version	0.7.14
Release Date	2nd January 2024
Changes	

- Fix intermittent issue where post firmware update reset command fails.
- Fixing introduced inability to live tune channel gains on some channels.

Version	0.7.13
Release Date	14th December 2023
Changes	

- Revert to 32-bit streamlined mono channels. Improves volume, reduces noise.
- Lower input volume at which power rail voltage biasing begins.

Version	0.7.12
Release Date	11th December 2023
Fixes	

- Lower boosted voltage biasing volume to better ensure high power channels can keep up when varying voltage.
- Reinstate center-channel up-mix algorithms, including ADP.
- Fixing center-channel clicking artifact.
- Fixing BMW maximum volume cut-out issue.
- Fixing audible pops on channel mute/unmute.

Version	0.7.9
Release Date	17th November 2023
Fixes	

- Reinstate higher idle boosted rail voltage to 24V. This is needed for the pre-out remote out to work properly.
- Fixing issue pertaining to centre channel artifacts.

Version	0.7.8
Release Date	15th November 2023
Fixes	

- Lower under-voltage protection threshold, and low-power mode setting to account for battery voltage dips during vehicle stop-start.

Version	0.7.7
Release Date	25th September 2023

Fixes

- Minor fixes for SPI flash device flash verification.

Version	0.7.6
Release Date	20th September 2023
Fixes	

- Fixing incorrect gain offset reset to zero when reducing input volume rapidly.
- Allow device to stay awake when only USB is plugged in (no MOST).

Version	0.7.5
Release Date	19th September 2023
Fixes	

- Update amplifier controller to tip of master branch
- Addition of fault-state hiccup'ing
- Correcting channel limiter (DRC) peak reference voltage to 5.6V
- Fixing large pop when performing firmware update or factory reset.
- Reduce gains dynamically when over-temperature warning occurs.
- Corrections to reset the 0dB gain levels, fixes for gain scaling.
- Fixing issue pertaining to center-channel default mixing algorithm.
- Some DSP profiling performance improvements.

Version	0.7.1
Release Date	15th August 2023
Fixes	

- Update amplifier controller to allow power rail offset via vehicle stereo input volume.
- Add fade-out of audio when selecting presets.
- Remove preset switch notify to head-unit on MOST, as this interferes with audio fade-in/out on preset switching.
- Improvements to reduce the likelihood of pops when resetting the system.

Version	0.7.0
Release Date	9th May 2023
Fixes	

- Additional boosting to stereo source.
- Amplifier power booster has a much faster response time, reducing the potential to clip
- Vast reduction of startup/shutdown speaker pops.
- Fixing pops on firmware update.
- Fixing factory default channel mapping
- Fixing centre-channel upmix inavailability.

Version	0.6.4
Release Date	8th August 2022
Fixes	

- Additional 6dB boost to input sources.
- Fixing the amplifier controller firmware booster voltage ramping.
- Performance enhancements for Mercedes-Benz NTG vehicles.

Version	0.6.2
Release Date	5th August 2022
Fixes	

- Fixing communication issues with baseboard amplifier firmware.

Version	0.6.0
Release Date	24th June 2022
Fixes	

- Fixing incorrect L/R input mismatch.
- Experimental 16-bit streamlined processing.
- Vastly improve the FFT resolution.
- Major performance improvements to the DSP core.

Version	0.5.18
Release Date	25th May 2022
Fixes	

- Frequency response correction implemented.
- Rework Jaguar, Land Rover G2 volume mapping to have more range.
- Additional support for Jaguar vehicles requiring two MOST25 amplifier instances.
- Fixing Audi MMI3G subwoofer regression issue.

Version	0.5.15
Release Date	7th April 2022
Fixes	

- Addition of Dynamic Range Compression (DRC).
- Addition of per-channel user-set limits.
- Addition of feedback channel RMS values to mObridge DSP.
- Extend Maximum IIR Biquad points to 16.

Version	0.5.12
Release Date	31st August 2021
Fixes	

- Update amplifier controller firmware to resolve issues with voltage spikes at startup.
- Fixing issues with MOST ConfigNok message causing no audio.

Version	0.5.11
Release Date	7th July 2021
Fixes	

- Fixing MDI null app name issue.

Version	0.5.10
Release Date	5th July 2021
Fixes	

- Fixing potential stack overflow issue regarding DSP core.

Version	0.5.9
Release Date	16th June 2021
Fixes	

- Adding explicit Toyota Supra vehicle support for mObridge DSP and mObridge Updater
- Fixing various BMW issues related to multichannel audio, ignition, and turn on/off time.
- Fixing issue with corrupted NVM regarding improper boundary checks on input delay field.

Version	0.5.8
Release Date	8th June 2021

Fixes

- Major optimizations for baseboard power control module to enable vastly lower operating temperatures.
- 6dB boost to all mono channels to address quiet phone, nav, chimes, pdc audio.

Version	0.5.6
Release Date	24th May 2021
Fixes	

- Fixing incorrect tick time in back-end amp controller service.

Version	0.5.5
Release Date	24th May 2021
Fixes	

- Remove master, head-unit, and other EQ influences from subwoofer-assigned speakers, such that they are totally EQ'ed by their respective channel EQs.

NOTE: This release decreases subwoofer attenuation, thereby increasing default subwoofer gain.

Version	0.5.4
Release Date	14th May 2021
Fixes	

- Removing unneeded attenuation on output codecs.
- Fixing BMW loopback echo issue.
- Fixing broken fade/balance controls in Aston Martin.
- Fixing Porsche PCM3.x phone echo issue.
- Fixing improper reset of input delay in NV.

NOTE: This release vastly improves output gain range.

Version	0.5.3
Release Date	26th February 2021
Fixes	

- Fixing Audi MMI3G head-unit preset selection control.
- Fixing Audi MMI3G head-unit subwoofer gain control.

Version	0.5.0
Release Date	5th February 2021
Fixes	

- Initial stable release