



mObridge → DA-G2 A2B Ford → Firmware Release Notes

Latest Firmware for the mObridge DA-G2 A2B Ford

Version	2.9.3
Release Date	12 th June 2024
Fixes	
<ul style="list-style-type: none">• Fixing intermittent startup issue where some channels were either low in gain, or not audible at all.• Add better DRC support for subsonic frequencies.• Fixing incorrect channel mute status for some channels in between restarts.• Increase debug TX buffer length to ensure entire startup log is retained upon USB connection.• Store time alignment distances per-preset, to ensure values are remembered on re-connection to mObridge DSP.• Fix issue where only one sub woofer would change gain offset via headunit bass control.	

Updating Your Firmware

Your mObridge DA-G2 product 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	2.9.0
Released On	9 th April 2024
Fixes	
<ul style="list-style-type: none"> • Numerous fixes for static white noise issue, including task priority rearranging, reduction of amp base read poll time, reorder serial port initialization/deinitialization, addition of delays, remove optimizations from beep file playback, additional underflow and overflow checking for the DMA. • Reinstating faster SPI clocking speed for flash memory communications. • Additional DSP resync call on restart, for further DMA synchronization safety. • Adjustment to stereo input 0 dB level to account for offset. • Fixing turn off/on pops. • Fixing audible pops on channel mute/unmute. • Reinstate center-channel up-mix algorithms in Pro variant, including ADP. • Fixing center-channel clicking artifact. • Fixes for center channel up-mixing occasional periodic tick. • Fix intermittent issue where post firmware update reset command fails. • Fixing introduced inability to live tune channel gains on some channels. • Rework sub-woofer control via head unit bass control. Now acts as an offset to current sub-woofer assigned channel gains. • Correctly update the SVC level in the headunit when preset is changed via mObridge DSP • Fixing incorrect volume after factory reset. 	

Version	2.8.5
Released On	9 th January 2024
Fixes	
<ul style="list-style-type: none"> • Reinstate streamlined channels, improve performance on mono channel processing. • Fixing incorrect volume being set after a factory reset. • Improve mono channel gain levels 	

Version	2.8.4
Released On	18 th January 2024
Fixes	
<ul style="list-style-type: none"> • Fixing center channel up-mixing occasional periodic tick. 	

Version	2.8.3
Released On	16 th January 2024
Fixes	
<ul style="list-style-type: none"> • Further fixes for turn off/on pops. 	

Version	2.8.2
Released On	12 th January 2024
Fixes	
<ul style="list-style-type: none"> • Fixing distorted phone, nav, beeps, voice prompt sources regression issue. 	

Version	2.8.1
Released On	11 th January 2024
Fixes	
<ul style="list-style-type: none"> • Additional speed optimizations to Ford DSP layer. • Fixing turn off/on pops. 	

Version	2.7.2
Released On	27 th September 2023
Fixes	
<ul style="list-style-type: none"> • Update DSP gain scaling to new re-adjusted levels. Requires mObridge DSP 23.08.04 or later to use. • Addition of DRC limiting calibration to maximum allowed voltage. • Some flash memory safeguards introduced. 	

Version	2.7.0
Released On	16 th July 2023
Fixes	
<ul style="list-style-type: none"> • Addition of CAN message acceptance filtering algorithm to ensure CAN messages are never missed when sent. • Mute audio when switching presets to avoid unwanted artifacts. • Adjust volume mapping table for better DSP gain responsiveness. • Numerous Ford volume decoding and phone call handling improvements to better emulate the original OEM amplifier, and ensure phone call mode does not get stuck. • Further fixes for pops on firmware update. 	

Version	2.6.9
Released On	18 th May 2022
Fixes	
<ul style="list-style-type: none"> • Some performance optimizations. • Correcting left and right inputs. • Using audio on message on place of ignition message to turn on remote amp enable. This ensures that audio does not cut out on ignition off, but rather when the driver's door is opened. • Turn off remote amp enable prior to updating firmware to avoid popping. 	

Version	2.6.7
Released On	6 th December 2021
Fixes	
<ul style="list-style-type: none"> • Adding Ford F150 accessories ignition CAN message. • Fixing pops when flash updating. Properly turn off amplifier remote signal when flash updating. 	

Version	2.5.5
Released On	3 rd November 2021
Fixes	
<ul style="list-style-type: none"> • Fixing issue with Ford ignition CAN status messages. • Update A2B stack. • Revised default input gains and output gains to ensure full range is achieved. 	

Version	2.5.4
Released On	8 th July 2021
Fixes	
<ul style="list-style-type: none"> • Fixing MDI null app name issue. 	

Version	2.5.3
Released On	5 th July 2021
Fixes	
<ul style="list-style-type: none"> • Fixed stack overflow issue regarding DSP core. • Fixed issue with input delay array overrun. 	

Version	2.5.2
Released On	16 th April 2021
Fixes	
<ul style="list-style-type: none"> Fixed TOSLINK Tx on baseboard rev 3.0 	

Version	2.5.1
Released On	18 th February 2021
Fixes	
<ul style="list-style-type: none"> Fixing logical input gain index mismatch with mObridge DSP. Revamped logging type names. Added support for AT25SF321B SPI flash chip. 	

Version	2.5.0
Released On	25 th January 2021
Fixes	
<ul style="list-style-type: none"> Further fixes for Ford A2B/CAN sleeping issues. 	

Version	2.4.2
Released On	4 th January 2021
Fixes	
<ul style="list-style-type: none"> Fixing issue with improper MDI communications for IIR Biquad filtering. 	

Version	2.4.1
Released On	23 rd December 2020
Fixes	
<ul style="list-style-type: none"> Fixing further Ford A2B vehicle sleeping issues. 	

Version	2.4.0
Released On	27 th November 2020
Fixes	
<ul style="list-style-type: none"> Sub-woofers/Woofers now use IIR filtering only for the channel EQ to improve low range frequency response, and its precision when tuning. Vastly improved THD on Sub-woofer/Woofers channels. Various performance optimizations to the DSP core. Fixes for Ford vehicle wakeup signals. 	

Version	2.3.0
Released On	30 th October 2020
Fixes	
<ul style="list-style-type: none"> Major overhaul of Ford vehicle compatibility module. 	

Version	0.5.6
Released On	23 rd March 2020
Fixes	
<ul style="list-style-type: none"> Initial Release 	