Ampero Firmware Release Note

Version 5.2
Released 1/31/2026

This V5.2 firmware update brings you new effects, more powerful features, optimized system performance and bug fixes. We recommend all users to execute this update for the best possible user experience.

IMPORTANT – **RE-CALIBRATE BOTH BUILT-IN/EXTERNAL EXPRESSION PEDALS AFTER UPDATE** (CTRL/EXP > EXP 1/2 Settings > Calibrate).
Use V5.2 firmware with Ampero Editor V1.5.0 ONLY.

New Features

1. 1. Added Sound Clone feature, allowing you to import up to 10 clone files into the FX 1/FX 2/AMP modules.
   (Note: A maximum of one clone file can be used)
2. Match 30 Clean – CDCM HD amp model available in AMP module, based on the unbeatable Matchless" DC-30 combo*.

*The mentioned manufacturers and product names are trademarks or registered trademarks of the respective owners. The trademarks were used merely to identify the sound character of this product.

Improvements, Changes & Bug Fixes

1. Other minor bug fixes

Version 4.2
Released 9/30/2024

This V4.2 firmware update brings you new effects, more powerful features, optimized system performance and bug fixes. We recommend all users to execute this update for the best possible user experience.

IMPORTANT – **RE-CALIBRATE BOTH BUILT-IN/EXTERNAL EXPRESSION PEDALS AFTER UPDATE** (CTRL/EXP > EXP 1/2 Settings > Calibrate).
After this update, **the original CTRL data will be moved to the CTRL 1 position**, so please reset it as needed.
Use V4.2 firmware with Ampero Editor V1.4.2 ONLY.

New Features

1. Added the function of dragging module position. You can drag the module to the position you want in the editing interface
2. Added volume pedal pre/post function (TEMPO/VOLUME module - Vol Position), now you can choose to put the volume pedal pre/post
3. Added CTRL control, now you can set all 4 footswitches to CTRL （After this update, the original CTRL data will be moved to CTRL 1 position）
4. Added touch control for parameter bar. You can click on the left and right sides of the parameter bar to increase or decrease or switch the selected parameter
5. Classic PS – CDCM HD pitch model available in FX1/FX2/FX3 modules, based on Whammy®*
6. Tweed Prince – CDCM HD amp model available in AMP module, based on Fender® Tweed Princeton* (5F2-A version)
7. Black Prince – CDCM HD amp model available in AMP module, based on Fender® Blackface Princeton®* (AA964 version)
8. 2290 Mod – CDCM HD delay model available in DLY module, based on TC Electronic® 2290 Dynamic Digital Delay*

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Improvements, Changes & Bug Fixes

2. Other minor bug fixes

Version 4.1
Released 7/20/2023

This V4.1 firmware update brings you new effects, more powerful features, optimized system performance and bug fixes. We recommend all users to execute this update for the best possible user experience.

IMPORTANT – **RE-CALIBRATE BOTH BUILT-IN/EXTERNAL EXPRESSION PEDALS AFTER UPDATE** (CTRL/EXP > EXP 1/2 Settings > Calibrate).
Use V4.1 firmware with Ampero Editor V1.4.0 ONLY.

New Features

1. Reamp function added (Global > USB Audio)
2. Blues Butter – CDCM HD drive model available in FX1/FX2 modules, based on Marshall® Bluesbreaker* pedal
3. Magic T – CDCM HD drive model available in FX1/FX2 modules, based on Paul Cochrane® Timmy*
4. Prince of Drive – CDCM HD drive model available in FX1/FX2 modules, based on Analog Man® Prince of Tone*
5. Behemoth M – CDCM HD bass model available in FX1/FX2 modules, based on Darkglass® Microtubes B7K*
6. Basshammer 1/2 – CDCM HD bass models available in FX1/FX2 modules, based on Aguilar® Tone Hammer*

7. Brown King Clean - CDCM HD amp model available in AMP module, based on Fender® Vibro-King combo* (FAT off)
8. Brown King Drive - CDCM HD amp model available in AMP module, based on Fender® Vibro-King combo* (FAT on)
9. Silver Master - CDCM HD amp model available in AMP module, based on Fender® Silverface Bandmaster*
10. Tang A30 Clean - CDCM HD amp model available in AMP module, based on Orange® AD30* (channel 1)
11. Tang A30 Drive - CDCM HD amp model available in AMP module, based on Orange® AD30* (channel 2)
12. Dumbell Drive - CDCM HD amp model available in AMP module, based on Dumble® Overdrive Special*
13. Ambience - Hotone original multitap delay model available in DLY module

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Improvements, Changes & Bug Fixes

1. Optimized dynamic performance of amp and drive effects
2. Other minor bug fixes

Version 4.0
Released 10/21/2022

This V4.0 firmware update brings you new effects, more powerful features (e.g. new Main Display), optimized system performance and bug fixes. We recommend all Ampero users to execute this update for the best possible user experience.

IMPORTANT – **RE-CALIBRATE BOTH BUILT-IN/EXTERNAL EXPRESSION PEDALS AFTER UPDATE** (CTRL/EXP > EXP 1/2 Settings > Calibrate).
Use V4.0 firmware with Ampero Editor V1.3.2 ONLY.

New Features

1. I/O leveling meters added in Main Display
2. Patch quick select slider added in Main Display
3. EXP 1 on/off button added in Main Display
4. Gated Boost – Hotone original boost model available in FX1/FX2 modules
5. Micro Boost – CDCM HD boost model available in FX1/FX2 modules, based on MXR® M133 Micro Amp*
6. Pitch Shift – Hotone original pitch shifter available in FX1/FX2 modules
7. Black Deluxe – CDCM HD amp model available in AMP module, based on Fender® Blackface Deluxe Reverb* (Normal CH)
8. Black Deluxe+ – CDCM HD amp model available in AMP module, based on Fender® Blackface Deluxe Reverb* (Vibrato CH)
9. Marshell SLP – CDCM HD amp model available in AMP module, based on Marshall® Super Lead 1959* (Normal CH)
10. Marshell SLP+ – CDCM HD amp model available in AMP module, based on

Marshall® Super Lead 1959* (Bright CH)
11. Marshell SLP Jump – CDCM HD amp model available in AMP module, based on Marshall® Super Lead 1959* (“Jump” connection)

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Improvements, Changes & Bug Fixes

1. Optimized stock cab IRs in CAB module
2. Ampero cannot be controlled by some certain MIDI controllers – FIXED
3. Other minor bug fixes

Version 3.8SP1
Released 5/19/2021

Attention

If your Ampero's current firmware is V3.7 or earlier (if your Ampero’s current firmware version is lower than V3.0, please read history firmware release note first and DO NOT update to V3.8SP1 directly), please read the "IMPORTANT" below carefully. If your Ampero's current firmware is V3.8, you only need to update it normally.

IMPORTANT – **RE-CALIBRATE THE BUILT-IN EXPRESSION PEDAL AFTER UPDATE** (CTRL/EXP > EXP 1 Settings > Calibrate) since we optimized the built-in expression pedal with a new method.
Use V3.8SP1 firmware with Ampero Editor V1.3.0 ONLY. The patches of earlier firmware versions are now NOT compatible with this V3.8SP1 firmware due to the new features and changes, which means, after updating firmware, in some situations, your unit may not work properly.
Please **export all patches by using previous Ampero Editor before updating, then import them again via new Ampero Editor**. The Editor will automatically convert your old patch files to the new version, so that you can use them with V3.8SP1 firmware.
If you’re using 3rd-party IR files, when importing patches after update, the editor will notice you whether to keep CAB module settings. Please select "Keep" so that you can continue using your IR files.
If you accidentally updated to the new firmware before backing up your patches, you can still roll back to earlier firmware versions (load earlier firmware files when updating) before you edit/save patches with new firmware.
If you’re using special version firmwares (V3.3B, V3.3C, V3.3D), please note that the special version patches are no longer compatible with normal Ampero units.

Improvements, Changes & Bug Fixes

1. CAB module high frequency loss caused by Low/Hi Cut parameters of V3.8 firmware – FIXED
2. MIDI CC#11 doesn’t work – FIXED

Version 3.8
Released 4/28/2021

Attention

This Ampero V3.8 firmware update brings you new effects, more powerful features (e.g. 10 more user IR slots and low/high cut control), optimized system performance and bug fixes. We recommend all Ampero users to execute this update for the best possible user experience.

IMPORTANT – **RE-CALIBRATE THE BUILT-IN EXPRESSION PEDAL AFTER UPDATE** (CTRL/EXP > EXP 1 Settings > Calibrate) since we optimized the built-in expression pedal with a new method.
Use V3.8 firmware with Ampero Editor V1.3.0 ONLY. The patches of earlier firmware versions are now NOT compatible with this V3.8 firmware due to the new features and changes, which means, after updating firmware, in some situations, your unit may not work properly.
Please **export all patches by using previous Ampero Editor before updating, then import them again via new Ampero Editor**. The Editor will automatically convert your old patch files to the new version, so that you can use them with V3.8 firmware.
If you're using 3rd-party IR files, when importing patches after update, the editor will notice you whether to keep CAB module settings. Please select "Keep" so that you can continue using your IR files.
If you accidentally updated to the new firmware before backing up your patches, you can still roll back to earlier firmware versions (load earlier firmware files when updating) before you edit/save patches with new firmware.

New Features

1. New system language added (Global > Display)
2. 10 more user IR slots added in CAB module
3. Low cut/high cut parameters added in CAB module
4. Blend parameter (wet/dry signal ratio) added for Squeezer - Hotone original compressor effect available in FX1, FX2 modules
5. Precise Attack – CDCM HD overdrive/boost model available in FX1/FX2 modules, based on Horizon Devices® Precision Drive*
6. Forest Boost – CDCM HD boost model available in FX1/FX2 modules, based on Fortin® Grind*
7. Sweller – Hotone original slow attack model available in FX1/FX2/FX3 modules

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Improvements, Changes & Bug Fixes

1. Optimized built-in expression pedal indicator in Main Display menu with a clearer on/off status display
2. Optimized built-in expression pedal performance for better user experience when using as a Wah pedal
3. Full patch number and patch name can be shown now in Edit Menu
4. Better knob acceleration when adjusting EQ frequency in Global EQ menu
5. In Global EQ menu, Band 2's frequency display and actual frequency don't match

– FIXED
6. Other minor bug fixes

Version 3.7
Released 5/29/2020

New Features

1. Global EQ function added (Global > Global EQ)
2. You can now set the screen auto-sleep time (Global > Display)

Improvements, Changes & Bug Fixes

1. New tuner UI design and optimized tuning algorithm
2. Optimized signal dynamic procession for better sound quality

Version 3.6
Released 4/7/2020

IMPORTANT – Use V3.6 firmware with Ampero Editor V1.2.7 ONLY. After updating, please make sure your computer is online when using with Ampero Editor at the first time, otherwise your Ampero may not be recognized correctly by Ampero Editor.

Improvements, Changes & Bug Fixes

1. In some cases, the system overload message may be mistakenly popped up – FIXED

Version 3.5
Released 12/27/2019

Improvements, Changes & Bug Fixes

1. Drum tempo will sync to patch tempo when you turn on drum sync switch in Looper menu – FIXED
1. Volume knob and main knob malfunction in Save menu – FIXED
2. Optimized touch screen operation when sliding on lower right corner of parameter bar)
3. Optimized input signal procession for better sound quality when using with basses
4. Other minor bug fixes

Version 3.4
Released 11/29/2019

New Features
1. You can now choose the system language and switch different theme
2. colors(Global > Display)
3. You can now change the parameters on the main display screen by sliding and
4. long pressing

5. In Global menu, you can now set the footswitch to control a single module on/off
6. In Looper menu, you can now customize the footswitches function
7. The new Save menu has been changed, you can use the QWERTY keyboard to change the patch name
8. The new Locked menu has been changed
9. The new Drum menu has been changed, and the BPM sync function has been added

Improvements, Changes & Bug Fixes

1. Connecting software to change Graphic EQ parameters may cause crashes – FIXED
2. Connecting software to change the effect chain may cause crashes – FIXED
3. Connection software to change some parameters Ampero may not respond – FIXED
4. Minor bug fixes

Version 3.2
Released 9/6/2019

New Features

1. In Looper menu, you can now sync drum rhythm to your phrases when Recording
2. You can now control USB monitor level (Global > USB Audio)
3. You can now toggle between two different display modes in Main Display screen (Global > Display)

Improvements, Changes & Bug Fixes

1. Improved the sound quality of these compressor effects in FX1 and FX2: Compresso, Comparoma 4 and Blue Sustainer
2. Tuner reference pitch range changed to 432Hz – 447Hz
3. In some cases, the unit may be muted when exiting tuner by sending CC 57 – FIXED
4. Minor bug fixes

Version 3.1
Released 7/12/2019

New Features

1. Wait Mode is now available when you use MIDI controllers to switch between banks

Improvements & Bug Fixes

1. Reduced the default volume of drum machine
2. Further optimized Tuner sensitivity
3. Shortened the fade in time when engaging compressor effects, this may cause a noticeable fade in progress when switching between patches
4. Tuning mode will now be automatically saved

5. Tuner cannot be engaged by sending CC 57 – FIXED
6. CTRL function may not work correctly when sending CC 72 – FIXED
7. Irregular output level may occur after importing some user presets – FIXED
8. Irregular on/off status display when using external footswitch to control drum play/stop – FIXED
9. The expression pedal range min/max values can still be set when unassigned - FIXED

Version 3.0
Released 5/31/2019

Attention

This Ampero V3.0 firmware update is Ampero's major update containing more powerful features (e.g. MANAGABLE SIGNAL CHAIN), optimized system performance and bug fixes. We recommend all Ampero users to execute this update for the best possible user experience.

IMPORTANT – Use V3.0 firmware with Ampero Editor V1.2.0 ONLY. The patches of the earlier firmware versions are now not compatible with this V3.0 firmware due to the new features and fatal changes, which means, after updating firmware, ALL YOUR PATCHES IN YOUR AMPERO WILL BE REPLACED BY THE NEW FACTORY/USER PATCHES,
AND YOUR CUSTOM IR FILES WILL ALSO BE CLEARED.
Please be sure to export the patches you want to keep by using earlier Ampero Editor software before updating. After updating, you can import them via new Ampero Editor (The Editor will automatically convert your old patch files to new version so that you can use them with V3.0 firmware).
If you accidentally updated to the new firmware before backing up your patches, to get the old patches back, you can roll back to earlier firmware versions (load earlier firmware files when updating) before you edit/save patches with new firmware.

New Features

1. You can now manage your signal chain in Edit menu by double clicking on a module
2. You can connect external footswitch controller to EXP 2 (EXP 2/FS) jack – EXP 2/FS settings added in Global menu for setting footswitch functions and EXP 2/FS jack functions
3. Wait mode added when switching between banks (for external footswitch only)
4. You can now control USB recording level (Global > USB Audio)
5. You can now set No Cab Mode separately on either L/R channel (Global > I/O)

Improvements & Changes

1. Screen Lock function changed to Device Lock function for locking touch screen, MENU/VALUE knob (Main Knob) and Quick Access Knobs
2. Greatly optimized Tuner reaction speed

3. Improved dynamic range and sound quality of these amp modeling effects: Tweed Lux, Baseman Norm, Baseman Bright, Black Twin, Voxy 30HW Norm, Voxy 30HW TB, Superstar Clean, Superstar Drive, Glacian Clean, Glacian Drive
4. Improved the sound quality of several effects in FX1 and FX2
5. BRIGHT switch added for Black Twin and Glacian Clean
6. The Presence control of Superstar Drive changed to Drive control for more wider tonal range
7. Optimized built-in expression pedal stability
8. Optimized USB Audio performance and stability
9. General performance and stability improvements

Bug Fixes

1. When editing presets, some effect parameters may go wrong – FIXED
2. Recorded data may be lost when using Looper – FIXED
3. In some cases, Ampero may crash when setting external expression pedal (EXP 2) – FIXED
4. Factory Reset cannot be selected by MENU/VALUE knob (Main Knob) in Global menu – FIXED
5. Minor bug fixes

Version 2.1
Released 3/12/2019

Improvements & Changes

1. Greatly optimized expression pedal latency issue
2. Optimized expression pedal curves
3. Optimized Tuner interface reaction speed
4. Shortened the crossfade time when switching effect modules on/off or switching presets
5. Optimized footswitch operation experience when exiting Looper menu
6. Now Looper Pre/Post selection can be saved
7. Optimized MIDI communication efficiency
8. Optimized USB Audio performance and stability
9. Changed default output mode of unbalanced outputs (Global > I/O)
10. Changed default recording mode of USB Audio recording (Global > USB Audio)
11. General performance and stability improvements

Bug Fixes

1. When using Ampero as an USB interface, the recorded L/R effect signals are reversed – FIXED
2. When using Ampero as an USB interface, the recording signal level is too low – FIXED
3. When using Ampero as an USB interface, in some cases, there might be glitching noise/pop noise during playback – FIXED
4. Expression pedals won't work in Drum/Looper menus – FIXED
5. Footswitch 1+2 and 2+3 works only under default settings (FS 1+2=bank down, FS 2+3=bank up, Global > Footswitch) – FIXED
6. Some effects may alter your tone when built-in expression pedal is off – FIXED
7. Setting and saving EXP2 settings may cause screen, footswitches and knobs malfunction – FIXED

8. Unit might be stuck when receiving MIDI messages – FIXED
9. Minor bug fixes

Version B6.4
Released 1/25/2019

Improvements, Changes & Bug Fixes

1. Optimized expression pedal latency issue
2. Built-in expression pedal cannot reach min value when fully lifted up – FIXED
3. In some cases, switching on No Cab mode may affect CAB module on/off
4. status – FIXED
5. Switching Looper Pre/Post position may affect your tone – FIXED
6. In Looper menu, adjusting rec level may affect the effect overall gain/output
7. FIXED
8. Previous patch location will be changed when switching banks – FIXED
9. Some effects won't work properly – FIXED
10. In some cases, Ampero may be crashed when using the expression pedal
11. FIXED
12.All outputs will be muted during factory reset progress
13.General performance/stability improvements and minor bug fixes

Version 1.0
Released 1/11/2019

Initial Release