

Fender®

MUSTANG™ MICRO PLUS

GUITAR HEADPHONE AMP



OWNER'S MANUAL

ENGLISH

INTRODUCTION

This manual is a guide to the features and functions of Mustang Micro Plus—a plug-and-play headphone amplifier and interface that connects directly to your guitar and bass to deliver amp models, effects models, Bluetooth streaming and more. With fantastic Fender Mustang amplifier sound and yet no larger than a deck of cards, Mustang Micro Plus is easily portable and provides up to six hours of battery-operated playing time.

Mustang Micro Plus is simple and intuitive. Connect it to any popular instrument model using the 1/4" rotating input plug. With 25 great-sounding Mustang amplifier models, 25 effect models in moveable blocks and remote editing using the Fender TONE™ app, players can choose among 100 onboard presets (70 factory presets and 30 empty presets ready for personalized customization) and access cloud presets. Turn Bluetooth on and stream music to play along with, or play to online sources with synced audio and video. The display window conveniently shows the preset in use, onboard tuner and other functions, and the USB-C port enables easy audio recording and firmware updates. With remarkably compact sound, style and versatility, Mustang Micro Plus delivers it all straight to your earbuds, headphones or digital recording software.



FEATURES



A. DISPLAY WINDOW: Black display window with white text shows preset name and number in use. Also displays EQ, MODIFY, SAVE and TUNER functions. To conserve battery life, the display will time out 10 seconds after the last button press; press any button to wake the display.

B. MASTER VOLUME: Adjusts overall volume level of instrument signal and Bluetooth audio.

C. ROTATING INPUT PLUG: Standard mono 1/4" plug rotates up to 270 degrees for easy compatibility with all popular instrument models.

D. TAP TEMPO/TUNER BUTTON: Tap button twice or more to set tempos for delay effects; press and hold for two seconds to activate onboard tuner.

E. MODIFY BUTTONS: Buttons (-/+) adjust a single parameter of assigned modulation, reverb or delay effect; display indicates parameter control.

F. EQ BUTTONS: Buttons (-/+) adjust overall instrument signal tone. Select among nine EQ presets including flat (post amp/effect); display indicates EQ preset in use.

G. PRESET BUTTONS: Buttons (-/+) select preset from 100 options; display indicates preset in use.

H. SAVE: Press to initiate preset save prompt on the display.

I. POWER/BLUETOOTH SWITCH/LED: Three-position slider switch turns Mustang Micro Plus on and off and activates Bluetooth audio pairing. LED indicates power/Bluetooth/charging status.

J. USB-C PORT: For charging, recording output and firmware updates.

K. HEADPHONE OUTPUT: 1/8" stereo headphone jack.

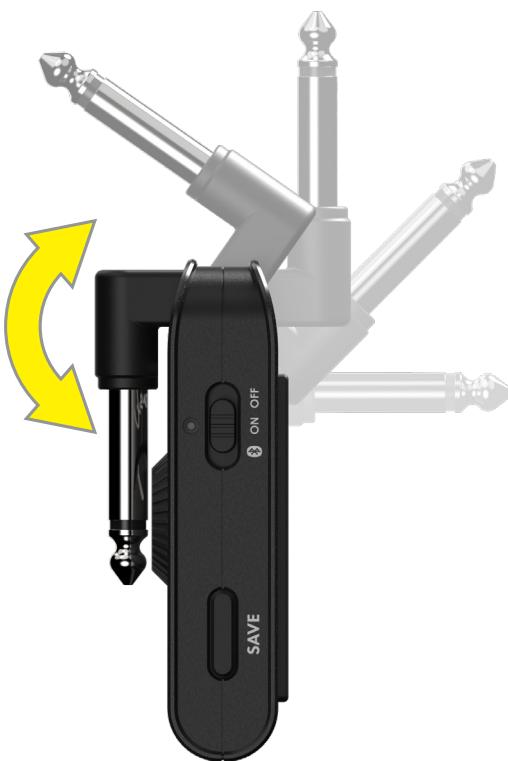


INSTRUMENT CONNECTION AND POWERING UP

Connecting Mustang Micro Plus to your guitar couldn't be easier—simply rotate the 1/4" input plug out from the unit and plug it into the guitar's input jack.

Slide the power switch to the center ON position; the power LED will illuminate green for 10 seconds and then extinguish, indicating that Mustang Micro Plus is on and charged (different LED colors indicate different charging status; see page 8). You're now ready to choose or create a preset with an amp model and a selection of effects, adjust volume and EQ, tune up, engage Bluetooth, and start playing.

If power is on but no instrument input is detected for 15 minutes, Mustang Micro Plus will automatically switch to a low-power sleep mode; press any button to wake it up. Slide the power switch to OFF to power down.



WARNING: Connecting Mustang Micro Plus to your instrument, disconnecting it or touching the end of the device's plug may cause a loud noise. To avoid hearing damage when wearing headphones/earbuds, follow these steps to ensure safe operation of your device:

- When connecting/disconnecting Mustang Micro Plus, remove headphones/earbuds, ensure that the device is turned off, or ensure that the device's MASTER VOLUME control is set to zero.
- Turn the device on with MASTER VOLUME set to zero, then gradually adjust volume to reach a comfortable listening level.

When wearing headphones/earbuds, connecting/disconnecting Mustang Micro Plus or touching its exposed plug while unit is on and MASTER VOLUME is up is similar to plugging an instrument cable into a live amplifier with volume up or to touching the exposed end of a live instrument cable.

BLOCKS

All Mustang Micro Plus presets contain five “blocks” for creating an entire signal path from input to output—one amplifier block and four effects blocks. There are 25 amplifier models, each paired with a default cabinet model, and 25 onboard effect models organized into four categories: stompbox (11), modulation (6), delay (4) and reverb (4).

The amp block contains an amplifier model paired with a fixed speaker cabinet model. Basic amp settings can be adjusted, while more advanced settings such as noise gate, gate position, sag, tube bias, etc. are fixed. The amp block is stationary, with its default position at the center of the signal path.

Each preset has four effect blocks, one for each effect category—stompbox, modulation, delay and reverb. Effect blocks are moveable and can be placed before or after the amp block using the Fender TONE app.

AMPLIFIER AND CABINET MODELS

AMPLIFIER MODEL	CABINET MODEL
'57 Champ	'57 Champ
'57 Deluxe	'57 DLTX
'57 Twin	'65 Twin
'59 Bassman	'59 Bassman
'65 Princeton	'65 Princeton
'65 Deluxe	'65 DLTX
'65 Twin	'65 Twin
'60s British	2x12 Blue
British Watts	4x12 V30
'70s British	4x12 GB
'80s British	4x12 75W
'90s American	4x12 GB
British Colour	4x12 75W

AMPLIFIER MODEL	CABINET MODEL
BB15 Low Gain	1x12 BB15
BB15 Mid Gain	4x12 SOL
BB15 High Gain	4x12 SOL
Super-Sonic	1x12 SS
FBE-100	4x12B V30
Metal 2000	4x12 GB
Uber	4x12 RCT
'60s Thrift	'57 DLX
Excelsior	Excelsior
Studio Preamp	(None)
Tube Preamp	(None)
Acoustic Sim	(None)

EFFECTS MODELS

STOMPBOX	
1	Overdrive
2	Greenbox
3	Mythic Drive
4	Blackbox
5	Fuzz
6	Big Fuzz
7	Octobot
8	Compressor
9	Sustain
10	5-Band EQ
11	Envelope Filter

MODULATION	
12	Sine Chorus
13	Triangle Flanger
14	Phaser
15	Vibratone
16	Sine Tremolo
17	Harmonic Tremolo

DELAY	
18	Mono Delay
19	Tape Delay
20	2290 Delay
21	Reverse Delay

REVERB	
22	Large Hall
23	Small Room
24	Spring Reverb
25	Mod. Large Hall

BUTTON AND DISPLAY ACTIONS

POWER/BLUETOOTH SWITCH/LED

Power Mustang Micro Plus on and off as noted on page 3. The POWER switch is also used to initiate Bluetooth use; see the BLUETOOTH section on page 8 for details. The POWER LED also indicates different charging status conditions; see the CHARGING section on page 8 for details. On power-down, Mustang Micro Plus keeps the last used/saved preset and EQ settings and returns to them on the next power-up.



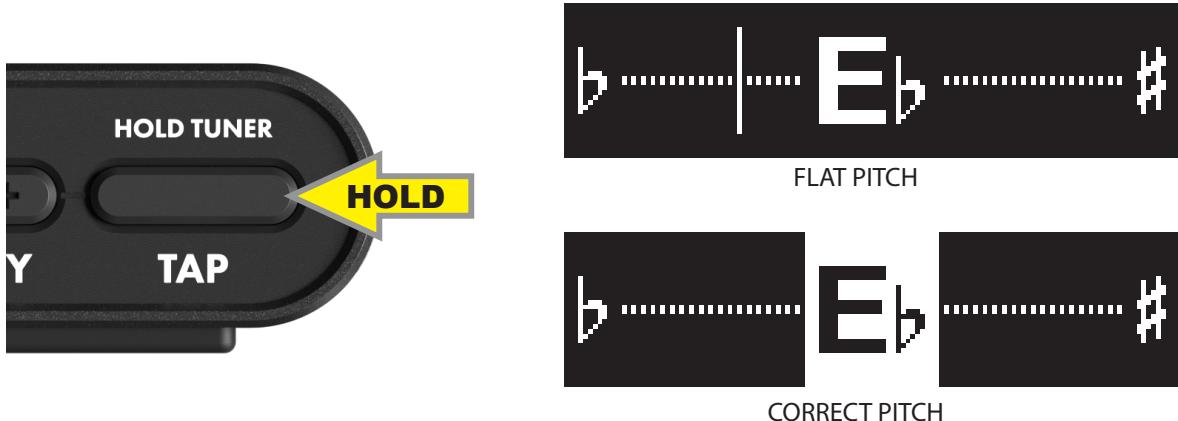
TAP TEMPO

Press the TAP BUTTON twice or more to set a tempo (in BPM) for a delay effect. The BPM designation and a flashing circle will appear in the DISPLAY WINDOW during adjustment. The TAP BUTTON displays the current tempo on the first button press, which counts towards the two-tap minimum to change the tempo:



TUNER

Press and hold the TAP BUTTON for two seconds to activate the TUNER; the target note and indicator needle will appear in the DISPLAY WINDOW. The indicator needle shows degrees of sharpness and flatness until the correct pitch is attained, indicated by illumination of the target pitch in a white box. Instrument and Bluetooth audio signals are muted while the TUNER is engaged. Press any button to exit the TUNER:



EQ

To fine-tune instrument tone, tap the EQ BUTTONS to select one of nine different preset EQ profiles* (post amp/effect). The EQ preset name and number will appear in the DISPLAY WINDOW:



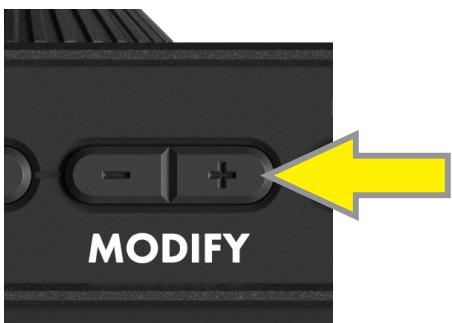
EQ1
FLAT

EQ2
GUITAR FOCUS 1

* FLAT, GUITAR FOCUS 1, GUITAR FOCUS 2, BRIGHT CUT, BRIGHT BOOST 1, BRIGHT BOOST 2, LOW CUT 1, LOW CUT 2, BASS BOOST

MODIFY

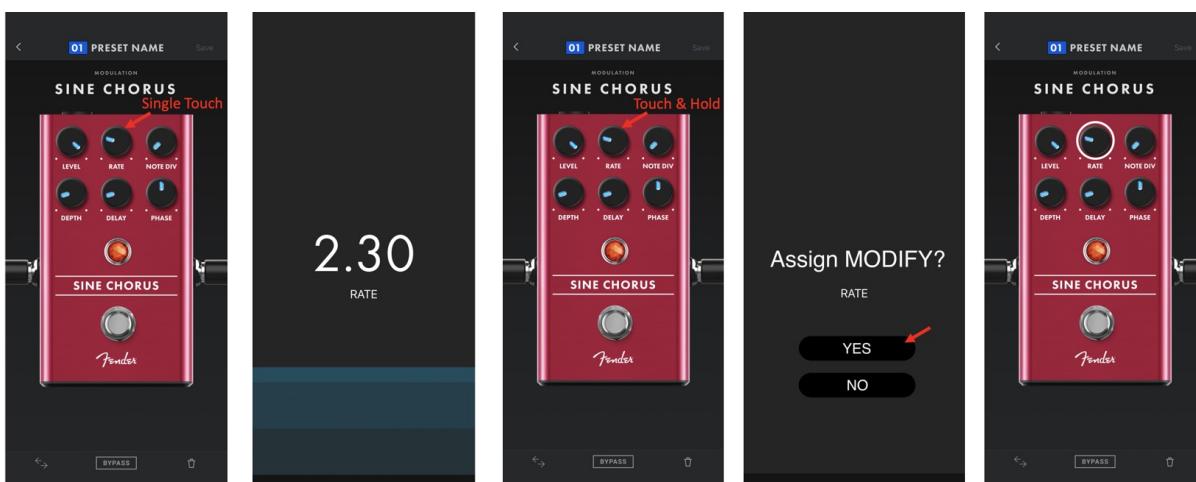
Tap the MODIFY BUTTONS to adjust a single parameter of an assigned modulation, reverb or delay effect (i.e., delay level, reverb level, modulation rate, et. al). The block category, parameter name and parameter value will appear in the DISPLAY WINDOW. Note that the minimum and maximum control limits of the MODIFY buttons will vary according to the effect parameter assigned, and will default to the saved preset value.



2.4
REVERB LEVEL

248ms
DELAY TIME

The MODIFY parameter is assignable per preset using the Fender TONE app. In the app, navigate to the preferred effect and single-touch any parameter to get an onscreen gradient that can be used for more precise adjustments. Touch and hold any parameter for two seconds to initiate MODIFY control assignment and follow the onscreen prompts. The assigned MODIFY parameter will be indicated by a white ring around the parameter control:



PRESET

Mustang Micro Plus has 70 factory presets and 30 empty slots for user-created presets. Pressing the PRESET BUTTONS will wake the display screen and show the current preset name and number. Subsequently, a single press to either button will move up or down to the next preset; pressing and holding either button will scroll up or down with acceleration.



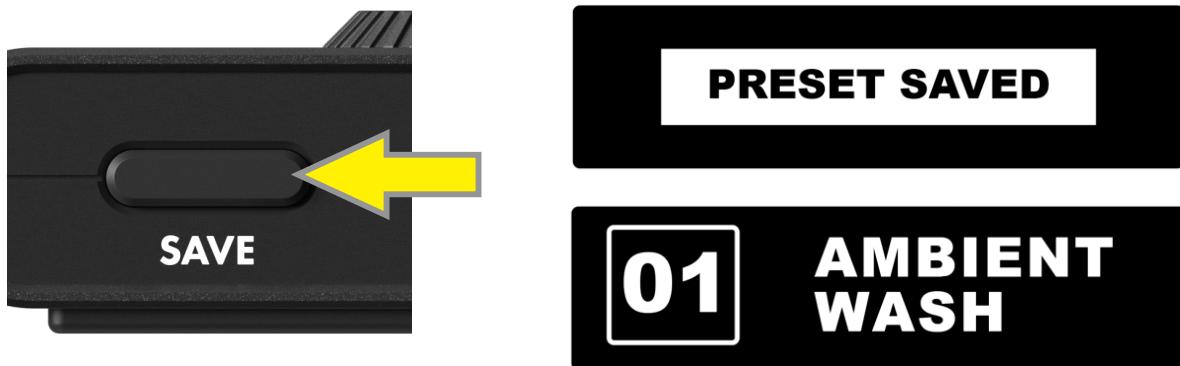
SAVE

When a preset has been edited from the saved state, the preset number inverts from white text on black to black text in a white box. Only changes made to effect parameters and tap BPM are saved on Mustang Micro Plus; preset name, location and other preset parameters are editable using the Fender TONE app.

To save a preset edit, press and hold the SAVE BUTTON for two seconds to initiate the save prompt. Display will wake and display SAVE PRESET?



Press the SAVE BUTTON to confirm and save. "PRESET SAVED" will appear in the DISPLAY WINDOW for two seconds; the saved preset name and number will then appear. The display will subsequently time out if no other buttons are pressed:



SAVED PRESET

Press any other button to exit *without* saving. The unsaved preset name and number will appear in the DISPLAY WINDOW. The display will subsequently time out if no other buttons are pressed.

In the unsaved preset at right, the preset number in the DISPLAY WINDOW appears as black text in a white box.



BLUETOOTH

Mustang Micro Plus easily streams Bluetooth audio, so you can play along in your headphones or earbuds. The device is discoverable as "Mustang Micro Plus" on smart phones and other Bluetooth devices.

To activate Bluetooth pairing mode, push the POWER switch to the far left and hold it there for two seconds. The POWER switch Bluetooth position is spring-loaded for momentary contact only, and will return to the center "ON" position when released. In pairing mode, the POWER LED will flash blue for two minutes or until a connection is established.



On successful connection, the POWER LED will turn solid blue for 10 seconds and then extinguish.

To disconnect a Bluetooth device from Mustang Micro Plus, hold the POWER switch in the Bluetooth position for two seconds and then release it (as when pairing). This will end the Bluetooth connection and return Mustang Micro Plus to pairing mode with a flashing blue LED; pairing mode will expire within two minutes if no other Bluetooth connection is made, and the blue LED will extinguish. Alternately, disconnect using the external device.

Mustang Micro Plus automatically pairs with the last connected Bluetooth device if that device is available. Note that MASTER VOLUME controls instrument and overall volume only; the mix between an instrument and a Bluetooth audio source is determined using the volume control on the external device.

CHARGING

Mustang Micro Plus provides up to six hours of battery-powered operation. Recharge Mustang Micro Plus using the USB-C jack (H) on the bottom of the unit and the included USB cable. POWER LED color indicates charging status:

POWER SWITCH LED COLOR	BATTERY STATUS
Yellow (solid)	USB is connected and unit is charging whether power is on or off.
Green (solid)	Power is on, USB is connected and battery is fully charged.
Green (flashing)	Battery is at greater than 50 percent and USB is not connected. LED flashes green for one second every five seconds.
Yellow (flashing)	Battery is at 20 percent-50 percent and USB is not connected. LED flashes yellow for one second every five seconds.
Red (flashing)	Battery is at less than 20 percent and USB is not connected. LED flashes red for one second every five seconds.
Red (flashing rapidly)	LED flashing red rapidly while unit is on and USB is plugged in indicates a battery charge error possibly due to extremes of temperature. Unplug USB, turn unit off, allow unit to reach room temperature, restart unit.

RECORDING

Mustang Micro Plus can be used as an input device for digital recording software by using a USB cable to connect the USB-C jack on the bottom of the unit to the USB port on a Mac or PC.

Note that Mustang Micro Plus can only be used as a source for USB audio (which cannot be routed back to Mustang Micro Plus for monitoring).

No external driver is needed to connect to an Apple computer. For assistance with configuring and using USB recording, visit the "Connected Amps" section at <https://support.fender.com>.

FIRMWARE UPDATE

Firmware updates for Mustang Micro Plus require use of the Fender Mustang Micro Updater application; downloadable at www.fender.com/mmfirmware. The installer will guide the update process using three steps:

1. With Mustang Micro Plus off, connect a USB cable to the USB-C jack and connect the other end to a Mac or PC.
2. Press and hold the _____ button.
3. Turn Mustang Micro Plus on while continuing to hold the _____ button for three seconds.

Successful firmware update initiation is then indicated by a solid white POWER LED for 10 seconds; the white LED will then begin flashing to indicate an update in process.

When complete, the POWER LED will illuminate solid green to indicate a successful firmware update or solid red to indicate a failed update. Mustang Micro Plus is automatically powered up during the firmware update process; when an update is completed successfully, disconnect the USB cable from Mustang Micro Plus and restart the unit.

FACTORY RESET

A factory reset returns Mustang Micro Plus buttons to its original factory settings and clears the Bluetooth paired device list. Initiate factory reset by turning Mustang Micro Plus on while simultaneously holding the _____ and _____ buttons for three seconds. Successful completion of a factory reset is indicated by _____.

SPECIFICATIONS



TYPE	PR 6171
INPUT	1/4" plug
INPUT IMPEDANCE	1MΩ
OUTPUT	1/8" stereo
OUTPUT POWER	30mW/channel
HEADPHONE IMPEDANCE	16Ω or greater
WORKING RANGE	
BATTERY TYPE	Lithium-ion rechargeable
USB CURRENT	600 mA (max)
BATTERY LIFE	4 hours (high volume) Up to 6 hours (low volume)
BLUETOOTH	V5.1 with A2DP v1.3.1 protocol
DIMENSIONS (INPUT PLUG IN STORED POSITION)	Width: _____" (_____ cm) Height: _____" (_____ cm) Depth: _____" (_____ cm)
WEIGHT	_____ oz. (_____ g)

Product specifications subject to change without notice.

**PART NUMBERS / REFERENCIAS / RÉFÉRENCE / NÚMERO DAS PEÇAS / NUMERO PARTI / TEILENUMMERN
 NUMERY REFERENCYJNE / REFERENČNÍ ČÍSLA / REFERENČNÉ ČÍSLA / REFERENČNE ŠTEVILKE / 部品番号 / 型号
 零件號 / HOMEPA HA ЧАСТИ / BROJEVI DIJELOVA / ONDERDEELNUMMERS / OSANUMBRID / OSIEN NUMEROT
 ARITHMOI MEROS / DALU NUMURI / DALIŲ NUMERIAI / NUMERE DE PIESĂ / ARTIKELNUMMER**

Mustang Micro Plus

US, CAN, EU, AU, JP
MEX, CN

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
箱体	O	O	O	O	O	O
喇叭单元*	O	O	O	O	O	O
电子部分	X	O	X	O	O	O
接线端子	X	O	O	O	O	O
电线	X	O	O	O	O	O
附件	O	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。
 O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。
 X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。
 注: 含有有害物质的部件由于全球技术发展水平限制而无法实现有害物质的替代。

*产品含有喇叭单元时有效。

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