Manuals+ — User Manuals Simplified.

HEADRUSH Core HV01 Amp Modeling Guitar Effects Processor User Guide

CORE
Quickstart Guide

Contents

Introduction

Box Contents
HeadRush Core (HV01)
USB Cable
Power Adapter
Software Download Card
Quickstart Guide
Safety & Warranty Manual
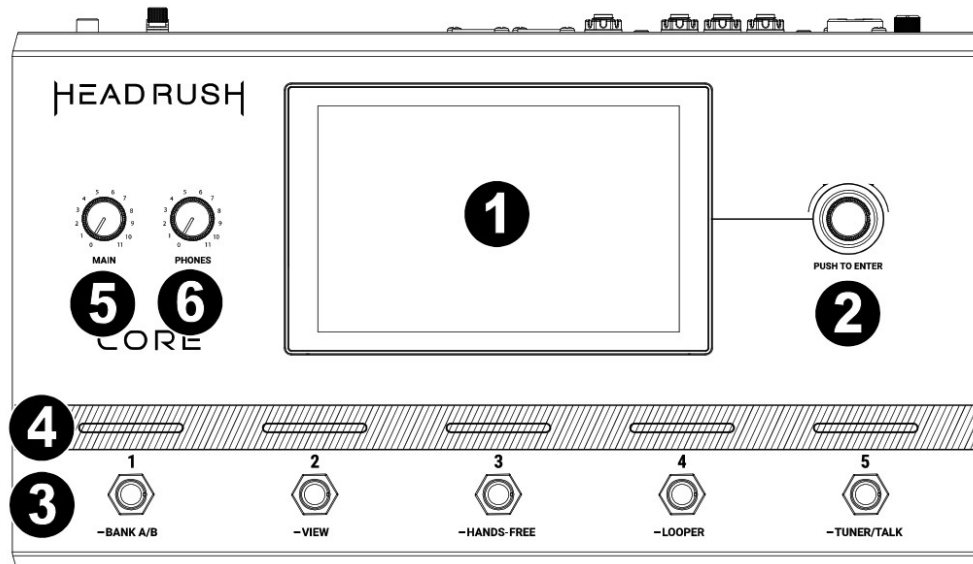Important: Visit **headrushfx.com** to download the complete User Guide.

Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit **headrushfx.com**.
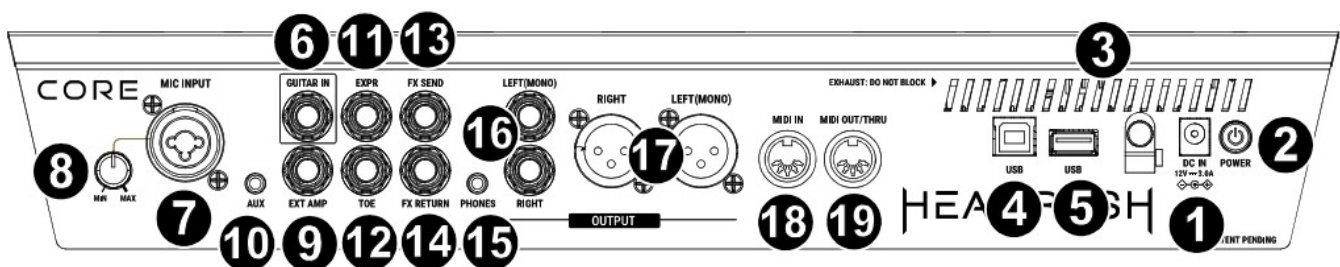For additional product support, visit **headrushfx.com/support**.

Features

Top Panel

1. Main Display: This full-color multi-touch display shows information relevant to HeadRush Core's current operation. Touch the display (and use the hardware controls) to control the interface. See Basic Operation to learn how it works.
2. Encoder: Turn this encoder to scroll through the available menu options or adjust the parameter values of the selected field in the display. Push the encoder to confirm your selection.
3. Footswitches: Press these footswitches to activate or deactivate the assigned block or scene, or to load the assigned rig.
4. Footswitch Indicators: These lights indicate whether the block, rig, or scene assigned to each footswitch is on (brightly lit) or off (dimly lit).
5. Main Volume: Turn this knob to adjust the volume level of the Outputs.
6. Headphone Volume: Turn this knob to adjust the volume level of the Phones Output.

Rear Panel

1. Power Input: Connect this input to a power outlet using the included power cable.
2. Power Switch: Press this button to turn HeadRush Core's power on/off.
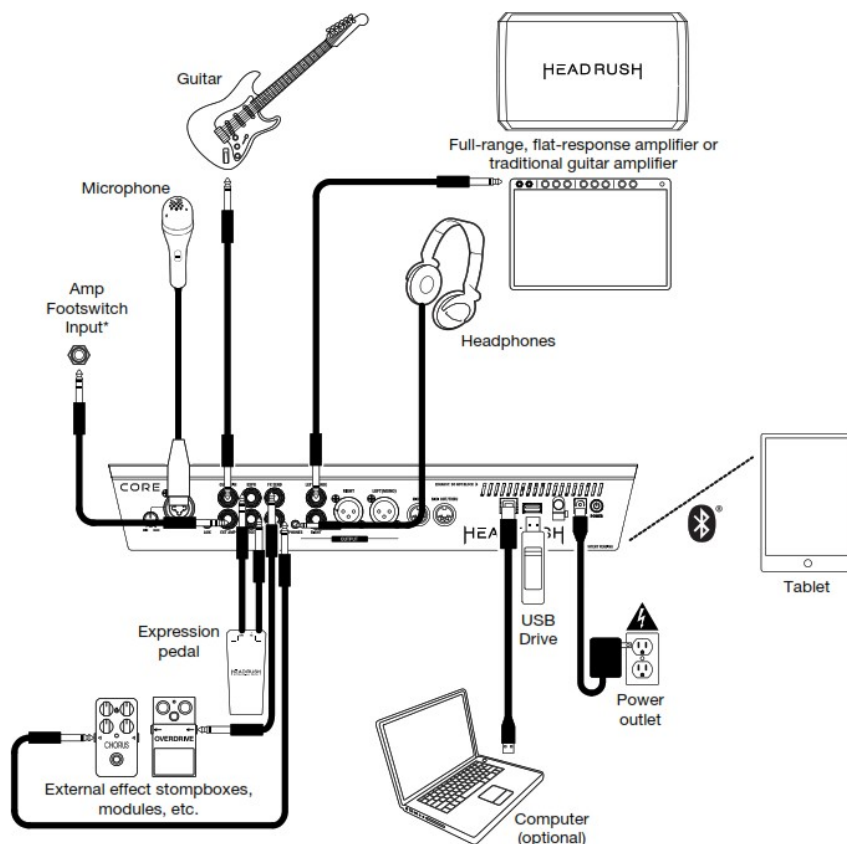3. Vent: Make sure this vent is unobstructed while using HeadRush Core.

4. USB Type-B Port: Connect this USB port to a computer using a standard USB cable. This connection allows HeadRush Core to send and receive the digital audio signal to and from your computer. You can also use this connection to import or export rigs,

   impulse responses, loops, block presets, setlists, and more. See the User Guide for more information.

5. USB Type-A Port: Connect a USB flash drive to this USB port for additional storage. A class-compliant USB device can also be connected to this USB port for external MIDI control.

6. Guitar Input (1/4"/6.35 mm, TS): Connect your guitar to this input using a standard instrument cable.

7. Mic Input (XLR or 1/4"/6.35 mm, balanced): Connect a microphone to this input using a standard XLR or 1/4" (6.35 mm) microphone cable. You can enable or disable +48V phantom power for these inputs in the Global Settings page.

   Important: Only enable phantom power if your microphone requires it. Most dynamic microphones and ribbon microphones do not require phantom power, while most condenser microphones do. Consult your microphone's documentation to find out

   whether it needs phantom power.

8. Mic Input Gain: Use this knob to adjust the level of the Mic Input. View the current level of the microphone by double tapping the input block to make sure the level is not low or clipping.

9. External Amp Footswitch Output (1/4"/6.35 mm, TRS): Connect this output to the footswitch input of an external guitar amplifier to toggle channels or turn reverb on and off on the amplifier using the HeadRush Core. IMPORTANT! Only connect this output to amplifiers that have a "short-to-sleeve" footswitch input. If you connect this output to any other type of footswitch input, you may cause permanent damage to your equipment. If you are unsure if your amplifier has a "short-to-sleeve" footswitch input, please consult the amplifier's manual or manufacturer to confirm before attempting.

10. Aux Input (1/8"/3.5 mm, TRS): Connect an optional audio source (e.g., smartphone, tablet, etc.) to this input using a 1/8" (3.5 mm) stereo cable.

11. Expression Pedal Input (1/4"/6.35 mm, TRS): Connect an optional secondary expression pedal to this input using a standard instrument cable.

12. Expression Pedal Toe Switch Input (1/4"/6.35 mm, TS): Connect the toe switch output of your optional expression pedal to this input using a standard 1/4″ (6.35 mm) TS cable.

13. FX Send Output (1/4"/6.35 mm, TRS): Connect this output to the input of another effects module, an effect pedal, or the effects loop return of an amplifier.

14. FX Return Input (1/4"/6.35 mm, TRS): Connect this input to the output of another effects module, an effect pedal, or the effects loop send of an amplifier.

15. Phones Output (1/8"/3.5 mm, TRS): Connect standard 1/8" (3.5 mm) stereo headphones to this output. Use the phones volume knob to control the volume level.

16. Outputs (1/4"/6.35 mm, TRS): Connect these outputs to the inputs of your amplifier, audio interface, etc. If you only need to use one output, use the one labeled Left/Mono.

17. Outputs (XLR): Connect these outputs to the inputs of your mixer, active loudspeaker, etc. If you only need to use one output, use the one labeled Left/Mono.

18. MIDI Input (5-pin DIN): Use a standard MIDI cable to connect this input to the MIDI output of an optional external MIDI device.

19. MIDI Output/Thru (5-pin DIN): Use a standard MIDI cable to connect this output to the MIDI input of an optional external MIDI device. You can set this output to be a standard MIDI output or MIDI throughput in the Global Settings page.

Setup

Items not listed under Introduction > Box Contents are sold separately.

IMPORTANT! In the Global Settings Menu, make sure you set the Outputs to send signal at amp level if you are using a traditional guitar amplifier, or line level (default) if you are using a full-range flat-response amplifier, mixer, PA speaker or audio interface.
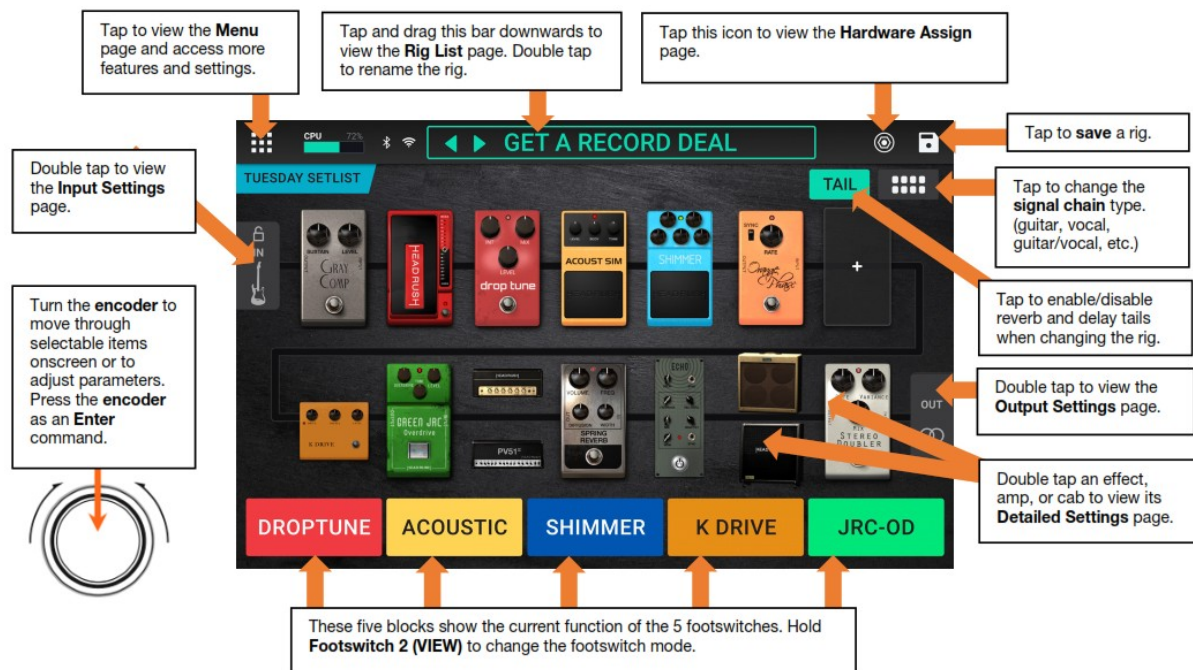

* **IMPORTANT!** Only connect this output to amplifiers that have a "short-to-sleeve" footswitch input. If you connect this output to any other type of footswitch input, you may cause permanent damage to your equipment. If you are unsure if your amplifier has a "short-to-sleeve" footswitch input, please consult the amplifier's manual or manufacturer to confirm before attempting.

Basic Operation

This chapter describes some of HeadRush Core's basic functions. You can visit **headrushfx.com** to download the complete user guide for even more information.

Main Screen

Important: The sequence of blocks in your signal chain is not necessarily reflected in the footswitches. You can freely assign blocks to available footswitches without changing your signal chain at all—and vice versa.
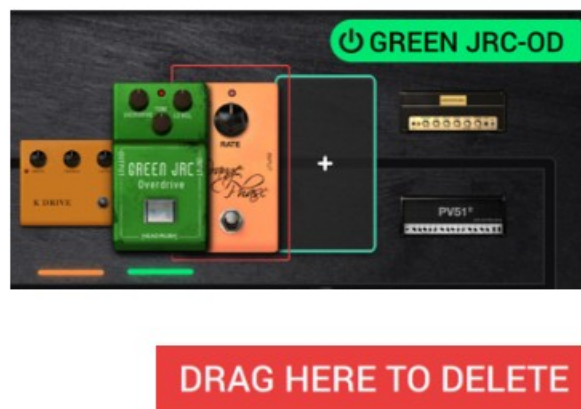
To assign a block (amp, cab, impulse response, or effect) to an empty slot, tap it (+) and then use the list that appears.

To show a block's detailed settings screen, double-tap it.

To rearrange the blocks in your signal chain, tap and drag a block to another slot or between two other blocks (the ones after that position will shift one slot further down the signal chain).

To activate or deactivate a block, press the footswitch assigned to it, or tap the block and then tap the On/Off button that appears in the top right corner of the screen.

To remove a block, tap and hold the block and then drag it to the bottom bar.

To load another rig (preset):

- Tap the ◀ or ▶ next to the name of the current rig on the screen.
- Tap the name of the rig on the screen and then turn the encoder.
- Press a footswitch assigned to a preset when HeadRush Core is in Rig View.
- Press a footswitch assigned to Prev Rig or Next Rig when HeadRush Core is in Hybrid View.

  To view other options, tap the Menu icon in the upper-right corner, and then tap an option.

Appendix

Technical Specifications

Footswitches	(5) Footswitches with color LEDs
Knobs	(1) 300° main volume knob (1) 300° headphone volume knob (1) 360° navigation/data encoder
Display	7" full-color display with touch interface
Connectors	1/4" (6.35 mm) TS input (guitar) XLR / 1/4″ (6.35 mm) input (microphone) 1/4" (6.35 mm) TRS input (expression pedal) 1/4" (6.35 mm) TS input (expression pedal toe switch) 1/8" (3.5 mm) stereo input (auxiliary device) 1/4" (6.35 mm) TRS output (external amp footswitch) 1/4" (6.35 mm) stereo pair outputs XLR stereo pair outputs 1/8" (3.5 mm) stereo headphone output 1/4" (6.35 mm) TRS input (FX send) 1/4" (6.35 mm) TRS output (FX return) (1) 5-pin MIDI input (1) 5-pin MIDI output USB Type-A port USB Type-B port
Power	Connection DC power adapter input Input Voltage 12 VDC, 3 A, center-positive
Dimensions (width x depth x height)	16.08″ x 9.24″ x 2.64″ 40.84 x 23.46 x 6.70 cm
Weight	8.37 lbs. 3.80 kg

Specifications are subject to change without notice.

Trademarks & Licenses

HeadRush is a trademark of inMusic Brands, Inc., registered in the U.S. and other countries.
All other product names, company names, trademarks, or trade names are those of their respective owners.

headrushfx.com
Compliance Manual v1.0
[HV01]

Documents / Resources

HEADRUSH Core HV01 Amp Modeling Guitar Effects Processor [pdf] User Guide
Y4O-HV01, Y4OHV01, hv01, Core HV01, Core HV01 Amp Modeling Guitar Effects Processor,
Amp Modeling Guitar Effects Processor, Modeling Guitar Effects Processor, Guitar Effects Processor, Effects Processor, Processor

References

- ⊢ [**Cutting Edge Guitar Processors and Speakers | HeadRush FX**](#)