



HeadRush Pedalboard

Frequently Asked Questions

What is the HeadRush Pedalboard?

Featuring a finely-tuned quad-core processor and powered by exclusive Eleven® HD Expanded™ DSP software, the HeadRush Pedalboard™ delivers the most versatile, realistic-sounding and responsive amplifier, cabinet, microphone and FX models ever found in a road-ready floorboard guitar FX processor. The 7-inch touch display enables you to touch, swipe and drag-and-drop to instantly create and edit your rigs in an unprecedentedly realistic and intuitive way. Plus, it features gapless preset changes with reverb and delay tail spillover, a built-in looper with 20 minutes of record time, the ability to load custom impulse response files and exclusive original boutique effects that can't be found anywhere else. Whether you're looking for a classic warm vintage amp with natural tube drive, wide ambient stereo delay textures with infinite feedback or the heaviest of heavy djent tone, the HeadRush Pedalboard covers it all and everything between.

What is Eleven® HD Expanded™, and how is it different from the Eleven Rack/Plug-In?

Eleven HD Expanded is the name of the DSP software that powers the HeadRush Pedalboard™. When we were creating the HeadRush Pedalboard, we disassembled the legacy Eleven Rack/Plug-In code completely, then we reconstructed the whole architecture for our new DSP system. Our modeling now sounds more realistic than ever, there's more flexibility for users in creating rigs, we've added new effects and features, and it has better overall

performance.

During this process, we only took the values from the measurements that were calculated when creating the original models. Then the internal oversampling was renewed, and we disabled some previously required waveshaper downsampling, so that our models have a better sound quality with a more authentic realism and definition than the original code.

Even the most basic DSP units were rewritten this way, so we can now do parallel processing and fit it to our new DSP platform. In the original code, there were many restrictions on where you could place your effects in your signal chain. For example, the amp and the cab acted as one big block and you could only insert effects before or afterwards. As a guitarist, you want to be able to insert effects wherever you want, including before the cabinet simulation like an effect loop in a real amp—and with Eleven HD Expanded, now you can put effects wherever you want.

Our new DSP platform also allowed us to expand the feature set with other popular user-requested features, including a faster and more guitarist-friendly UI, reverb/delay tail spill-over between presets, the ability to load custom/third-party impulse responses, a looper with 20 minutes of record time, and so much more.

Where do I download the included Celestion IR files?

Every HeadRush Pedalboard includes a download card for (2) free IR files from Celestion. We've put together a video that walks through how to download and install these great sounding IR's -

- [HeadRush Pedalboard - How to Download and Load the Included Celestion IR Files](#)

What inputs and outputs does the HeadRush Pedalboard have?

- ¼-inch (6.35mm) TS input (guitar)
- ¼-inch (6.35mm) TRS input (secondary expression pedal)
- ¼-inch (3.5mm) stereo input (auxiliary device)
- XLR outputs (with ground-lift switch)
- ¼-inch (6.35mm) TRS outputs (amp- or line-level)
- ¼-inch (6.35mm) TRS inputs (fx sends)
- ¼-inch (6.35mm) TRS outputs (fx returns)
- (1) 5-pin MIDI input
- (1) 5-pin MIDI output/thru
- USB Type-B port
- IEC power input

What are the HeadRush Pedalboard's dimensions and weight?

- Dimensions: 23.6 x 11.2 x 2.9" (59.9 x 28.4 x 7.4cm)
- Weight: 15.7lbs (7.1kg)

Is a gig bag or case available for the HeadRush Pedalboard?

Yes, an official HeadRush Pedalboard gig bag is currently in development and will be released Q2 of 2017.

Does the HeadRush Pedalboard have reverb/delay tail spillover across presets?

Yes, reverb/delay spillover can be enabled/disabled for each rig by tapping the TAIL button in the rig view.

Can I load custom/3rd party impulse responses (IRs) into the HeadRush Pedalboard?

Yes, The HeadRush Pedalboard supports all common wave formats (wav, aiff), sample rates (up to 192kHz) and bit depths (up to 32-bit).

Can I turn off the amp/cab models for specific outputs or send my guitar directly to an output with no amp modeling applied at all?

Yes, you can do this using the Alternate Output setting, which is located on the global settings page.

What kind of MIDI messages can be sent/received by the HeadRush Pedalboard?

Yes, the HeadRush Pedalboard will accept and send MIDI Program Change and Control Change messages via the 5-pin MIDI in/out ports. This can be used to change rig presets and specific Program Change messages can be assigned on the Hardware Assign page for each preset. You can also set the global send/receive MIDI channel in the Global Settings menu.

Is there a list of included Amp, Cab, Mic and FX models?

Yes, you can view this at <http://www.headrushfx.com>.

Does the HeadRush Pedalboard have a tremolo pedal model?

Yes. Some of our amp models include their on-board tremolo, but there is also a tremolo pedal model that can be used separately.

Does the HeadRush Pedalboard have any pitch or harmony FX?

Yes. Our Wham and Harm models cover pitch shifting and harmonization effects.

Does the HeadRush Pedalboard have a bit-crusher FX?

Yes. Our 8-Bit Crush model gives you a wide variety of grimey crushing sounds. You can even individually mute or invert any of the 8-bits.

Does the HeadRush Pedalboard have any doubler FX?

Yes. Our Stereo Doubler model quickly and easily gives you the classic wide sound of double-tracked guitars.

Can I use the FX Sends>Returns to add my other hardware pedals and effects to my signal chain?

Yes, hardware guitar pedals, rack effects, and any other gear can be looped into your signal chain by using the FX Send and Return ports on the HeadRush. Use the FX Loop block to place the Send/Return at any point in your

HeadRush signal chain.

Can I change the settings with the expression pedal?

Using the hands-free edit mode, you can adjust any parameter without having to bend over. Hold the footswitch assigned to the model that you want to adjust, select the parameter, and use the expression pedal to fine-tune your settings.

Can I arrange my footswitch assignments in any order?

Yes! You can arrange your footswitch assignments on the Hardware Assign page without affecting the model's placement in the signal chain.

Can I assign my footswitches to only control only rig preset selection or only model selection?

Yes, you can do this by holding the bottom left footswitch and selecting the Rig, or Stomp view accordingly.

Can I assign half of my footswitches to control models, and half of my footswitches to control preset selection at the same time?

Yes, you can do this by holding the bottom left footswitch and selecting the Hybrid view.

Can I turn off the auto-assignment of models to footswitches?

Yes, you can adjust this parameter in the global settings menu.

How many parameters can I assign to the expression pedal A + B?

The expression pedal can function in Classic Mode or Advanced Mode.

- In Classic Mode, you can assign one parameter to each expressional pedal (A and B). Using the toe switch will select the other expression pedal and deactivate (bypass) the current expression pedal's parameter. For example, if you assign a wah pedal to Expression Pedal A and a volume pedal to Expression Pedal B, only one of them will be active at any time; when you are controlling the wah pedal, the volume pedal will be bypassed, and vice versa.
- In Advanced Mode, you can assign up to four parameters to each expression pedal (A and B). Moving the pedal will adjust all of its assigned parameters simultaneously. Using the toe switch will select the other expression pedal and leave the current pedal's parameters active and at their maximum values.

How does the EXP2 input work?

If you connect an external expression pedal to this 1/4" input, the external expression will control parameters assigned to expression pedal B. When an external expression pedal is connected, the internal expression pedal will only control parameters assigned to expression pedal A.

Which expression pedals work with the HeadRush Pedalboard?

Most standard expression pedals will work with the HeadRush Pedalboard. We recommend the M-Audio EX-P

expression pedal.

How many layers/how much record time does the looper have?

You can have up to 100 loop layers with up to 20 minutes of total recorded audio.

What does the Peel/Undo function of the Looper do?

When you press this footswitch, the last recorded loop layer will be removed. You can continue to press this switch to remove layers in the opposite order they were added.

What does the Insert function of the Looper do?

When you press this footswitch, you can "punch-in/punch-out" of a specific part of your loop and overwrite all previous layers. This is useful when you need to fix a very small part of a loop.

Can the HeadRush Pedalboard record multiple different loops at once?

The HeadRush Pedalboard records one loop at a time.

How many presets does the HeadRush Pedalboard have?

The HeadRush pedalboard comes preloaded with 270 factory presets covering a huge variety of genres and styles.

How do I restore the factory presets?

You can restore your factory presets by holding footswitch 11+12 (the two right footswitches on the bottom row) while powering on the HeadRush pedalboard. Keep holding these two switches until you see "Reverting..." displayed on the 7" touchscreen.

Is there any easy way to search for presets on the HeadRush pedalboard?

Yes, just simply tap the magnifying glass icon on the top bar of the Rig View screen and you can search through all of your presets using the QWERTY-style touch keyboard that appears. Note: If you are currently using a setlist when you tap the magnifying glass icon, you will only search within that setlist.

Can I backup, save, load or share my HeadRush Pedalboard presets to my Mac/PC?

Yes, you can connect your HeadRush pedalboard to your Mac or PC's USB port, then go to your global settings, and enable USB Transfer Mode. Once you're in this mode, the HeadRush Pedalboard will show up as a mass-storage device (like a USB drive) and you can drag and drop to easily transfer your rig presets, model presets, and setlists.

Where can I share or download new HeadRush Pedalboard presets?

Check out our community at www.headrush.cloud!

What are Setlists?

A setlist is an ordered collection of rig presets, which you can save and recall at a later time. You can use the setlists to quickly organize your rigs. This is useful, for instance, if you only need some of your rigs for a performance; you can save a setlist of just those rigs so you don't have to spend time searching through all of your rigs before playing the next song. You could also use this feature to organize your presets into specific genres, or for certain guitars.

Can I record with the HeadRush Pedalboard?

Yes, the HeadRush pedalboard can be connected directly to a USB port on your computer for recording straight into your favorite DAW. The USB port will supply 4 channels in and out, including stereo dry and wet signals.

A Windows driver is available on the [support page](#) for windows users. A driver is not necessary for connection with a Mac.

What bit rate/sample rates are supported for recording?

The HeadRush Pedalboard will transfer signals up to 24-bit, 96kHz for recording.

Can I listen to tracks playback while recording with the HeadRush Pedalboard?

Yes! With the Pedalboard assigned as the output of your DAW, you can listen to audio playback while recording.

Can I re-amp with the HeadRush Pedalboard?

Yes! Direct recorded guitar tracks can be played back from your DAW and routed through the Pedalboard effects and amp simulation as a form of re-amping.

Will you release firmware updates with new features, models, and/or presets?

Yes! Stay up to date on our latest firmware releases by signing up for our e-mail list at <http://www.headrushfx.com>, and by liking or following us on our social media channels.