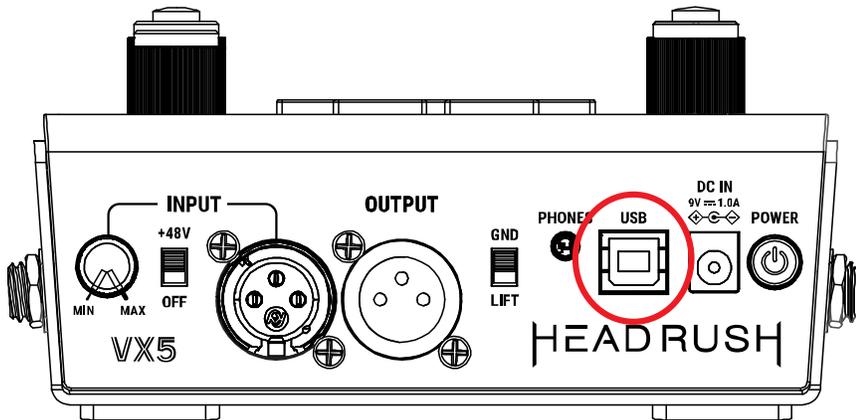


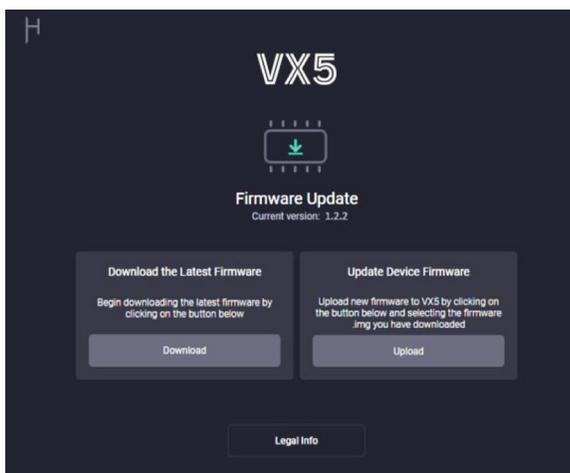
Recommended System Requirements

- Windows 11 or macOS 13–15
 - Note:** Windows 10 users will need to download and install an additional network driver.
- Host USB 2.0 port

Firmware Update Instructions



1. Use the included USB cable to connect VX5 from the **USB-B Port** on the rear panel to an available USB port on a computer.
2. Press the **Power Button** to power on VX5.
3. On your computer, open a web browser and navigate to VX5.local in the address bar.
4. Under the **Download the Latest Firmware** section, click the **Download** button. Your browser will download the latest firmware update as an **.img** file.
5. Under **Update Device Firmware**, click **Upload**.



6. The update process will begin. Do not unplug the device while the update is in progress.
7. Once the update has successfully completed, you can disconnect the device from your computer.
8. The next time VX5 is powered on, you can confirm the successful update by viewing the firmware version on the boot-up screen.



FAQ / Troubleshooting

If you are having trouble connecting to VX5.local in your web browser:

- While connected via USB, power off VX5 and then power it back on. Then retry the connection.
- Enter 192.168.155.1 into your browser address bar.
- If you are using Windows 10, make sure you have installed the VX5 Windows 10 driver.

For additional help, visit support.headrushfx.com.

Changes

Firmware Version 1.3.1

Improvements & Bug Fixes

- Improved tracking of moving vocal input when set to a key.
- Improvements to inaccuracies and distortions encountered with pitches Eb, E, and F in the Chromatic setting.
- Fixes an issue where microphone signal was lost in certain use cases.
- Fixes an issue where the delay time parameter for the “Short Echo” delay FX preset was not saved with user presets.

Firmware Version 1.3

New Features

- **Retain Current Preset**
The last selected preset is retained when power cycling VX5. This is saved after 5 seconds, or when powering off using the Power button.
- **Factory Reset**
Press and hold **PRESET** and **KEY** while powering on VX5 to display a factory reset option. This will clear all user presets and restore factory presets.
- **Copy Preset**
Added an option to copy a preset to a slot in the save menu. You may need to create a new preset name when copying.
- **USB Audio**
VX5 now supports Audio via USB. VX5 is Class Compliant on Windows 11 and macOS.
The stereo audio input to a computer is post-mic FX.
The stereo audio output from the computer is mixed in to the main output, post-processing. This is ideal for playing backing tracks or monitoring a DAW session.

HEAD RUSH VX5

- **USB MIDI Control**

You can now control preset selection and more features using USB MIDI. VX5 receives MIDI on ALL channels. See the following table for the MIDI functions and messages.

Function	MIDI Message	Values
Select Preset (within the current bank)	Program Change	0–127 (Bank 1) 0–121 (Bank 2)
Select Preset Bank	CC32	0 = Bank 1 (Presets 1–128) 1 = Bank 2 (Presets 129–250)
Footswitch A/B Mode	CC16	0 = Disables Footswitch A/B Mode 1 = Selects Footswitch A Mode 2 = Selects Footswitch B Mode
Talk Mode	CC17	0–63 = Disable Talk Mode 64–127 = Enable Talk Mode

- **Multi-FX Enable**

You can now enable multiple FX at the same time. FX are routed in series in the order shown in the FX Menu.

The FX enable state is shown above the effect in the FX Menu.

To enable an effect, open the effect parameter menu and enable the toggle. Press and hold the FX button to return to the FX Menu.

- **Compressor**

A new compressor has been added to the VX5 FX Menu with a selection of four presets, ranging from mild to slammed. The compressor also includes a mix control.

Improvements & Bug Fixes

- Adjusted UI to increase Preset name text size.
- Adjusted Key display to follow the circle of 5ths.
- Adjusted FX to reduce spillover when enabling and disabling Talk mode.
- Fixed an issue with the chromatic harmonizer following incorrect intervals.
- Fixed an issue with harmonizer “low” intervals. Notes are now harmonically generated, relative to the input note, based on the degree of the chord (in the currently set key).
- Fixed an occasional hang on startup.
- Improved stability of web updater.