HEADRUSH

FRFR-8 CAB

User Guide

English

(1.0) Introduction 3

(1.1) Box Contents 3
(1.2) Support 3

(2.0) Setup 4

(2.1) Quick Start 4
(2.2) Example A: One FRFR-8 CAB (Mono) 4
(2.3) Example B: Two FRFR-8 CABs (Stereo) 5

(3.0) Features 6

(3.1) Rear Panel 6
(3.2) Front Panel 7

(4.0) Operation 8

(4.1) EQ Adjustments 8
(4.2) Pairing a Bluetooth Device 9

(5.0) Troubleshooting 10

(6.0) Appendix 11

(6.1) Technical Specifications 11
(6.2) Trademarks & Licenses 11

(1.0) Introduction

(1.1) Box Contents

FRFR-8 CAB

Power Cable

Quickstart Guide

Safety & Warranty Manual

(1.2) 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 **support.headrushfx.com**.

(2.0) Setup

(2.1) Quick Start

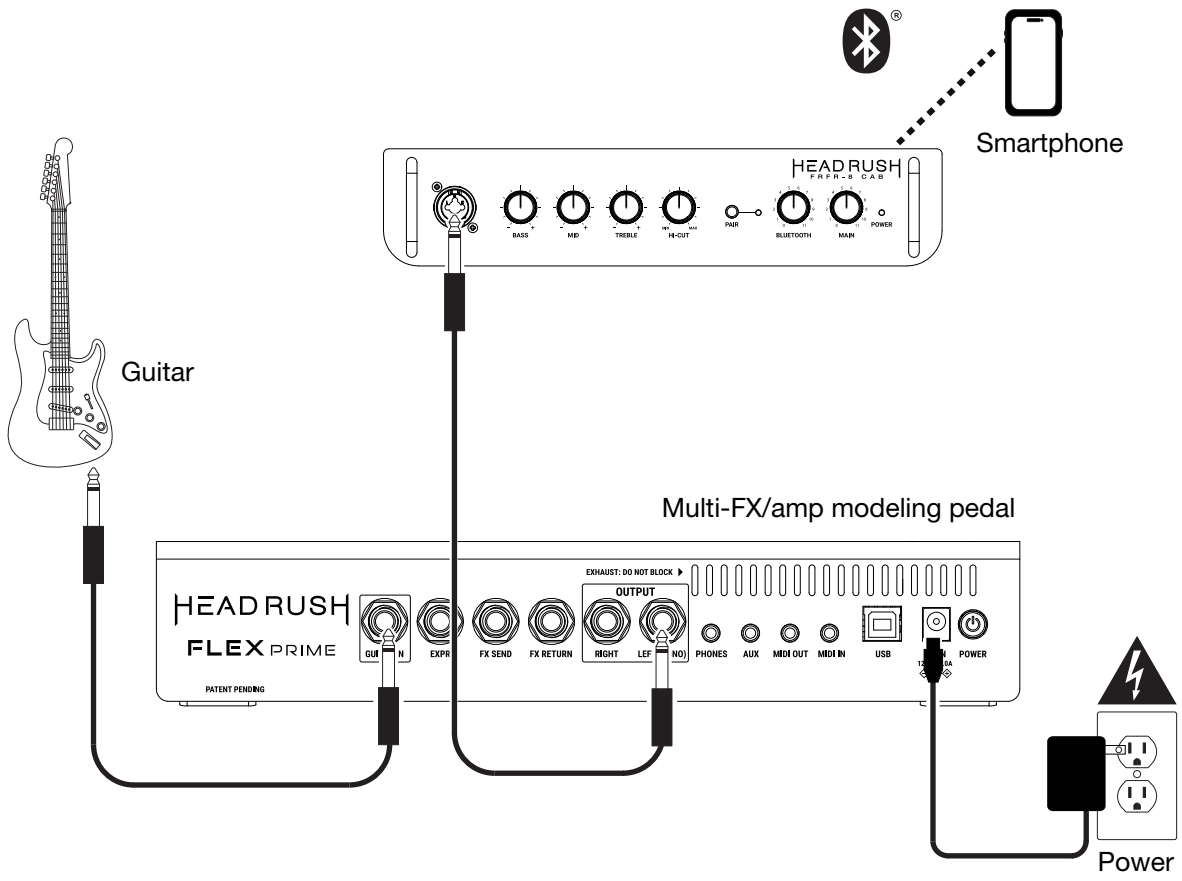
1. While the power is switched off, plug the included power cable into FRFR-8 CAB, then plug the cable into a power outlet.
2. To avoid unwanted distortion, set the output of your amp modeler's line-level output as close to unity gain (0 dB) without going over. For HeadRush modelers, set their main volume knob around "7", depending on your rig's setup. If you are unsure of where the unity gain position of your amp modeler is, check your amp modeler's User Guide. For best results, do not connect a guitar directly to FRFR-8 CAB's input as the circuitry is designed to only be connected to an amp modeler's line output.
3. Power on your connected audio devices, *then* power on FRFR-8 CAB.
4. Connect audio input sources (smartphone, tablet, etc.) to FRFR-8 CAB. Turn up the volume on your connected **Bluetooth** device.
5. Adjust the **Bluetooth Volume knob** on FRFR-8 CAB to an appropriate level.

   Note: Use the built-in kickstand to angle the sound upward so you can hear yourself better when playing and avoid muddy sound. Use this on stage to simulate a monitor, so the volume won't need to be turned up as high to hear it clearly. This will help control stage volume and reduce feedback issues.
6. Finally, adjust the **Main Volume** on FRFR-8 CAB to an appropriate level.

(2.2) Example A: One FRFR-8 CAB (Mono)

Items not listed under ***(1.1) Introduction*** > ***Box Contents*** are sold separately.

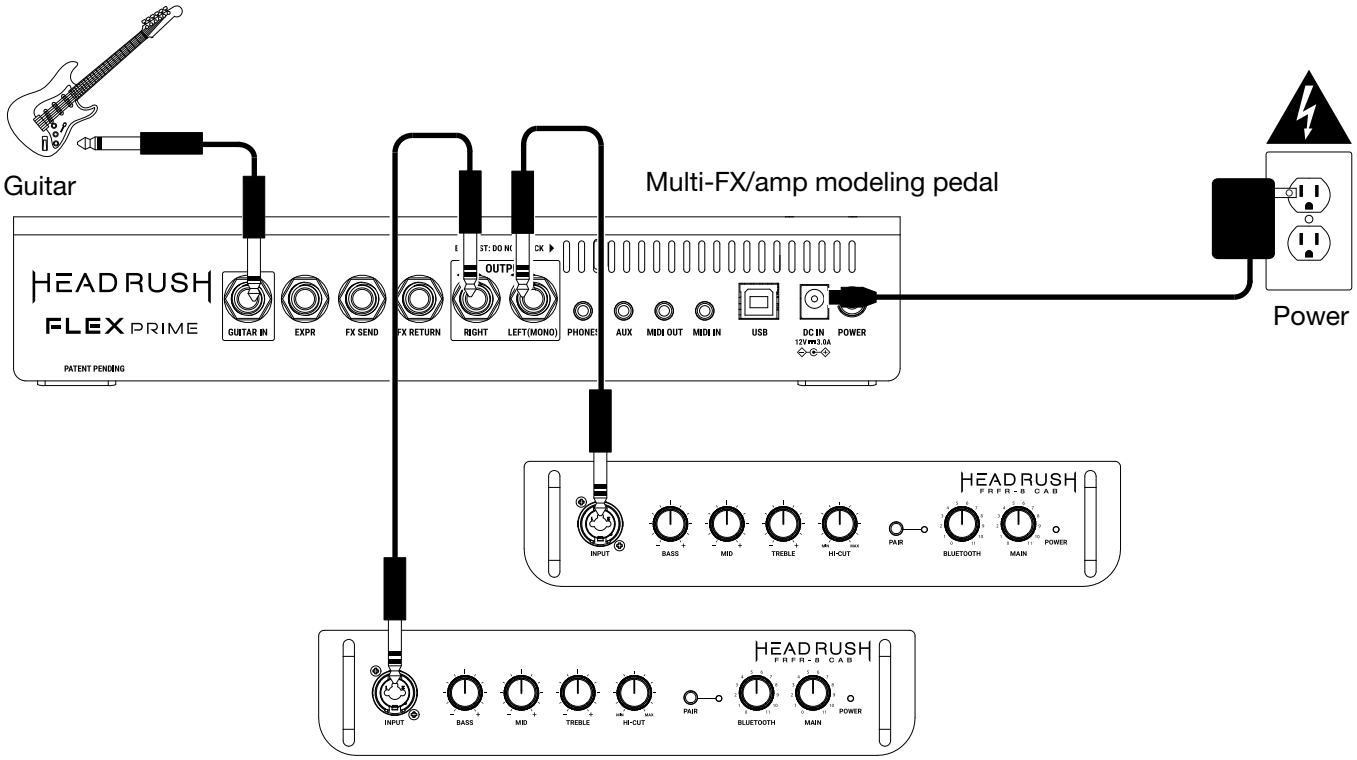
Connect the Left (Mono) output of your guitar or bass multi-FX/amp modeling pedal to the input on a FRFR-8 CAB.



(2.3) Example B: Two FRFR-8 CABs (Stereo)

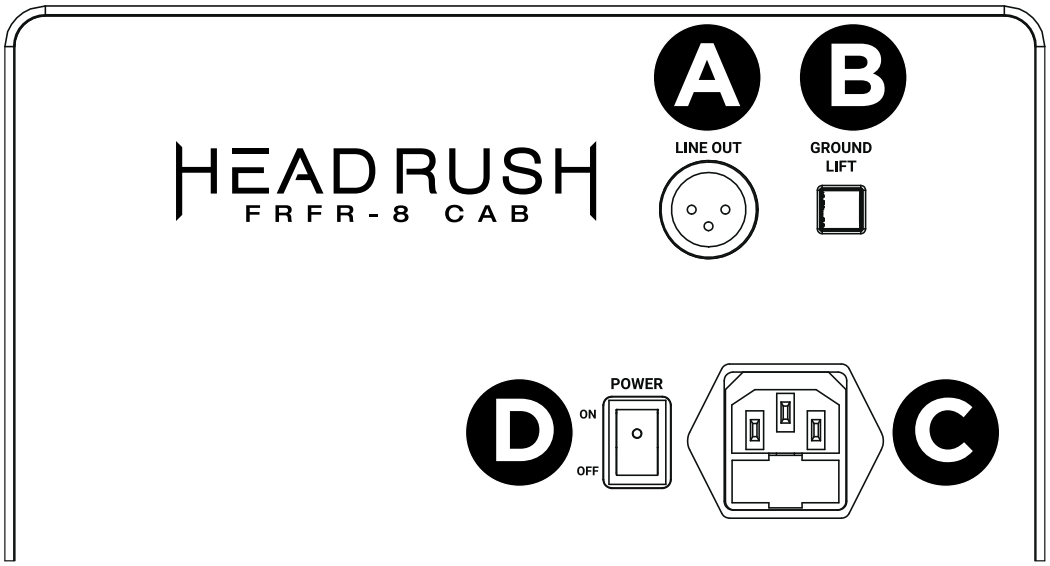
Items not listed under ***(1.1) Introduction*** > ***Box Contents*** are sold separately.

Connect the Right and Left (Mono) outputs of your guitar or bass multi-FX/amp modeling pedal to the inputs of your FRFR-8 CAB.



(3.0) Features

(3.1) Rear Panel



A. Line Out

Connect this balanced XLR output to another FRFR speaker, mixer, or other device. This output does not have EQ applied and does not send the Bluetooth signal.

B. Ground Lift

Press to enable a ground lift to prevent unwanted electrical noise.

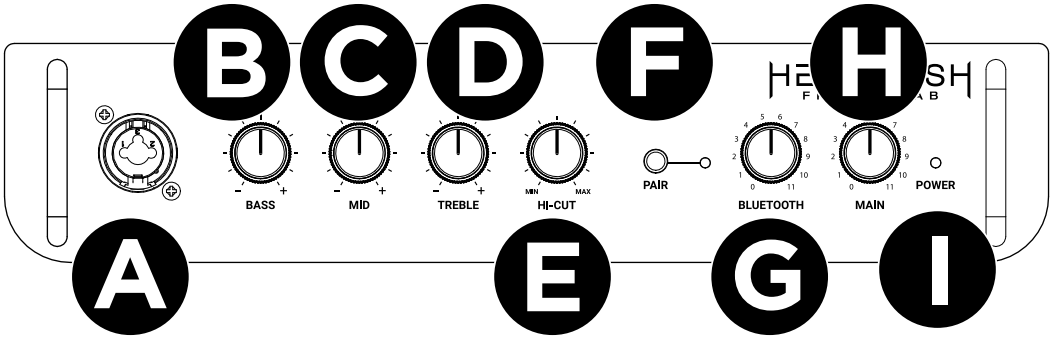
C. Power Input

Use the included power cable to connect this input to a power outlet. Make sure the **Power Switch** is set to **OFF** when connecting or disconnecting the cable.

D. Power Switch

Use this switch to power the loudspeaker **ON** or **OFF**. Make sure the volume knobs are set to the minimum (counterclockwise) positions before turning it on.

(3.2) Front Panel



A. Input

Use a 1/4” (6.35 mm) instrument cable or XLR cable (not included) to connect your amp modeler to this line-level mono input.

B. Bass

Turn this knob to adjust the low-end frequencies for the speaker output.

C. Mid

Turn this knob to adjust the mid-range frequencies for the speaker output.

D. Treble

Turn this knob to adjust the high-end frequencies for the speaker output.

E. Hi-Cut EQ

Turn this knob to filter out high-end frequencies from the sound.

F. Pair

Press and release this button to enter Bluetooth Pairing Mode or disconnect a paired device. This blue LED will flash when the speaker is in pairing mode, be lit solid when a device is paired, and will be unlit when a Bluetooth device is not paired.

G. Bluetooth Volume

Turn this knob to adjust the Bluetooth volume for the paired source.

H. Main Volume

Turn this knob to adjust the overall volume of the speaker.

I. Power LED

The Power LED will be lit green when the speaker is powered on.

(4.0) Operation

(4.1) EQ Adjustments

FRFR-8 CAB's onboard 3 band EQ gives you a quick and easy way to adjust the overall tone of the speaker to better match room acoustics, cabinet placement, or to further shape your sound. This classic Baxandall type shelving EQ adds transparency and musicality.

Getting Started:

1. Dial in the desired tone on your amp modeler first.
2. Set the FRFR-8 CAB EQ knobs to 12 o'clock.
3. Adjust FRFR-8 CAB's Bass, Mid, and Treble EQs in small moves.
4. Stop adjusting the EQ when the sound feels natural.

See the tips below to adjust the EQ controls based on different situations.

Bass EQ (boosts or cuts frequencies below 100 Hz)

- If low notes blur together, are muddy, or the stage is boomy, slightly reduce the Bass EQ knob.
- If the tone feels too thin, increase the Bass EQ knob to add weight and tightness.
- When using modern metal amp tones, slightly reduce the Bass EQ knob.
- When using vintage/clean amp tones, slightly increase the Bass EQ for fuller bass.

Mid EQ (boosts or cuts frequencies centered around 1 kHz)

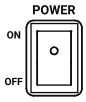
- If the guitar is getting lost in the band mix, increase the Mid EQ knob to give the guitar more presence.
- If you are playing in a small room or the guitar amp modeler preset sounds too "boxy", reduce the Mid EQ knob.
- If you switch to a single-coil pickup, increase the Mid EQ knob for a thicker or fuller sound.
- If you switch to humbucker pickups, reduce the Mid EQ knob.

Treble EQ (boosts or cuts frequencies below and above 10 kHz)

- To add air or pick attack, increase the Treble EQ knob.
- To calm harsh digital fizz, reduce the Treble EQ knob.
- If the tone feels dull on a stage with heavy curtains or outdoors, increase the Treble EQ knob. High frequencies will get absorbed by soft surfaces and open air.
- If using vintage amp models, increase the Treble EQ for an airy shimmer.

(4.2) Pairing a Bluetooth Device

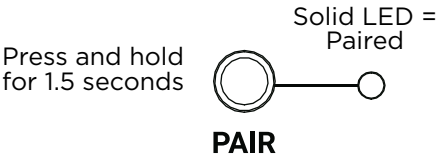
1. Power on the FRFR-8 CAB. The Bluetooth LED will not be lit when the speaker is first powered on unless it was previously paired with a device before being powered off.



Flip the switch to ON

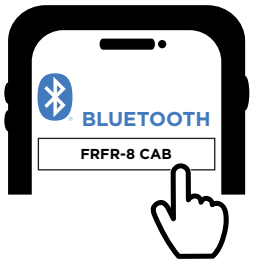
2. Press and hold the **Bluetooth** button for 1.5 seconds, and then release it. The **Bluetooth LED** will flash when in pairing mode.

3. Navigate to your Bluetooth device's setup screen, find **FRFR-8 CAB**, and connect. The **Bluetooth LED** will be lit solid when a device is paired.



Note: If your Bluetooth device prompts that a pairing code is required, use "0000".

4. Adjust the volume using the **Main Volume** knob.



To unpair a device, press and hold the **Pair** button for 1.5 seconds.

To unpair a device and remove it from memory, press and hold the **Pair** button for 10 seconds.

(5.0) Troubleshooting

If the sound is distorted: Try lowering the volume control of your amp modeler. You will want your amp modeler's live-level output to be as close to unity gain (0 dB) without going over. For HeadRush modelers, set the main volume knob around "7", depending on your rig's setup. If you are unsure of where the unity gain position of your amp modeler is, check your amp modeler's User Guide.

If you are experiencing feedback: Try placing the FRFR-8 CAB in a different location, or pointing/moving your guitar away from the speaker. If your amp modeler has a "noise gate" feature, you can also try enabling this to help reduce the unwanted noise.

I hear a hum when cables are connected:

- Disconnect cables from the input jack to see if it's a faulty cable.
- Use balanced cabling connections whenever possible.
- Make sure the signal cable is not placed near power cables.
- Connect all audio equipment power cables to outlets which share a common ground.

If there is too much bass: Try adjusting the EQ control to lower the bass level. Also, try moving the speaker to another location. Depending on their construction and materials, some desktop surfaces or shelving may increase the level of bass frequencies.

If you cannot connect your audio device to FRFR-8 CAB via Bluetooth:

- Have your audio device (e.g., smartphone or tablet) and FRFR-8 CAB as close together as possible while trying to connect. Make sure both the audio device and FRFR-8 CAB are unobstructed by walls, furniture, etc.
- Reset the Bluetooth connection on FRFR-8 CAB to disconnect FRFR-8 CAB from any other audio device and restart the search process. If this does not work right away, power off FRFR-8 CAB and then power it back on.
- Reset the Bluetooth connection on your audio device by turning Bluetooth off and back on. You can find this under the Bluetooth menu in the Settings for your phone or other audio device.

(6.0) Appendix

(6.1) Technical Specifications

Output Power (peak)	480 W
Drivers	8.0” / 203.2 mm LF 1.0” / 25.4 mm HF compression driver
Maximum SPL	121 dB SPL
Frequency Response	60 Hz – 20 kHz
Dispersion	90° conical
Connectors	**Input:** 1/4" (6.35 mm) line-level, XLR combo amp modeler mono input **DI Output :** XLR output connector
EQ	3-band EQ with high frequency cutoff
Cabinet Type	Closed-back guitar cab style with kickstand and top handle
Cabinet Materials	Tolex wrapped MDF with cloth grille
Wireless Technology	Bluetooth® Classic Audio
Bluetooth	**Bluetooth® Range:** Up to 35 m / 114.8 ft. **Transmitter Frequency Range:** 2402 - 2480 MHz **Transmitter Power:** 4 dBm **Transmitter Modulation:** GFSK, π/4-DQPSK
Power	**Connection:** IEC **Input Voltage:** 100 - 120V~, 50/60 Hz; 220 - 240V~, 50/60 Hz **Consumption:** 600 W
Dimensions (width x depth x height)	14.1” x 8.4” x 14.2” 35.8 x 21.5 x 36.1 cm
Weight	24.2 lbs. 11 kg

Specifications are subject to change without notice.

(6.2) Trademarks & Licenses

HeadRush is a trademark of inMusic Brands, Inc., registered in the U.S. and other countries.

The *Bluetooth* word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by HeadRush is under license.

All other product names, company names, trademarks, or trade names are those of their respective owners.

headrushfx.com

Manual Version 1.1