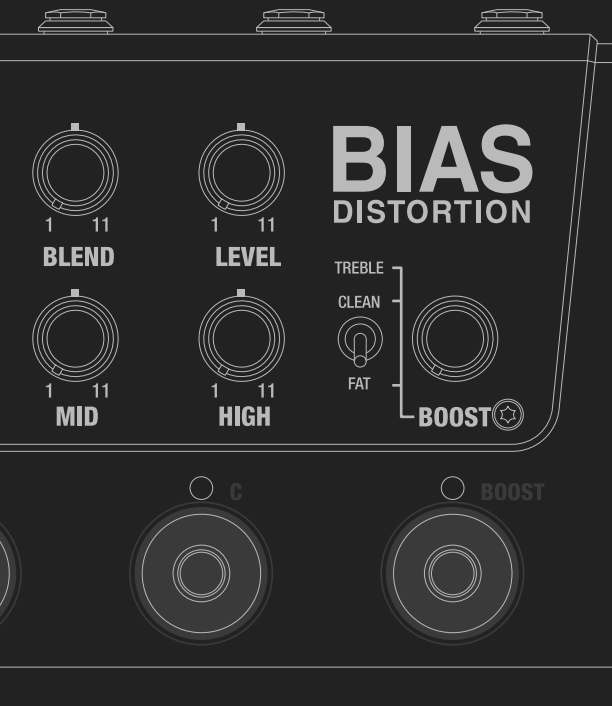


Positive Grid®



# BIAS DISTORTION

Product Manual

## INTRODUCTION

First and foremost, thank you for purchasing BIAS Distortion, the world's first tone-matching distortion pedal! BIAS Distortion not only delivers a wide variety of your favorite distortion effects, it also allows you to accurately match the sound of any distortion pedal you want and store it right into this powerful device.

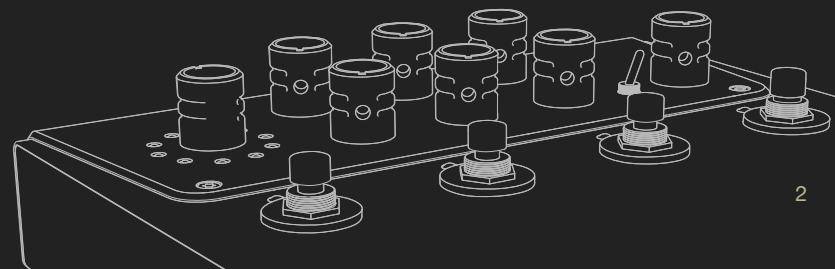
For you hardware enthusiasts out there, our BIAS Pedal software provides a virtual workshop for you to build your own distortion pedals at the component level. From the topology of the clipping stage to the power module, all the components you find in an analog distortion pedal are available for you to customize.

Before you plug in your guitar and start jamming, please take the time to review this owner's manual and go over some of the basics about the pedal.

## CONTENTS

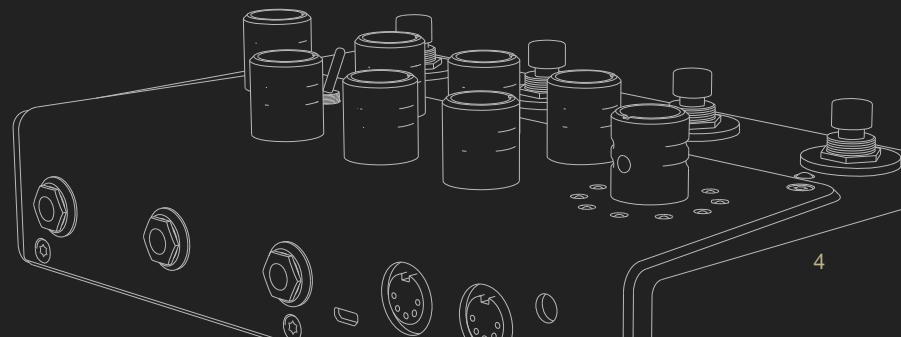
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## GETTING STARTED

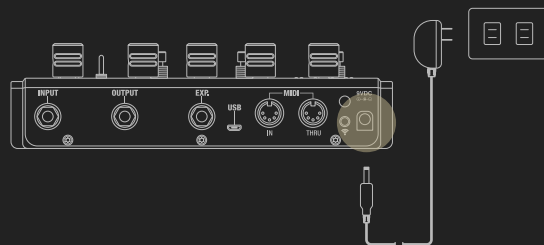
### Within the box

Please carefully review each item in the box :

- BIAS Distortion • 9V DC power adapter • Micro USB cable
- Quick Start Guide • Redeem card for BIAS Pedal Distortion Pack • Optional rubber footers

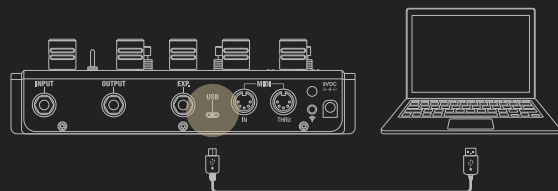
### Connect to a power source

A 9V DC power adapter or USB (via a Micro USB cable) can power BIAS Distortion. You'll find both power connectors on the rear panel.

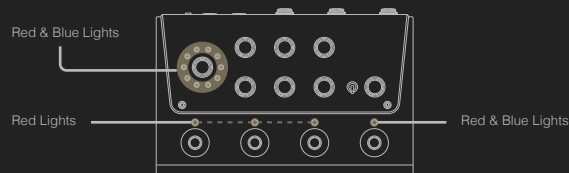


To power the unit with a 9V DC adapter, insert its power plug and connect the power adapter to an electrical outlet.

To power the unit via USB, insert the Micro USB cable into the pedal and connect the other end of the cable to a USB port on your laptop or desktop computer.



During the booting stage, all LEDs on the control panel will flash red and blue, indicating that the pedal is booting up.



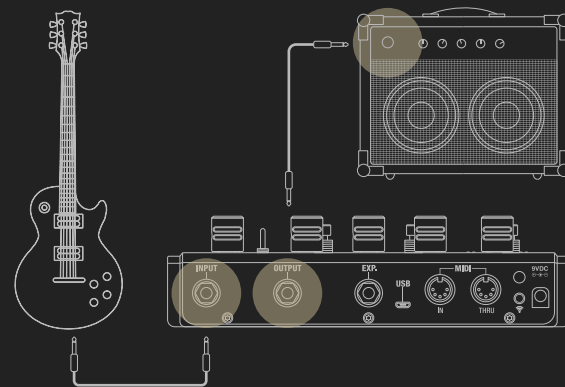
### Signal Connection

BIAS Distortion is both a distortion pedal and preamp pedal.

As a distortion pedal, BIAS Distortion is able to increase the sustain, saturation and distortion that a real amplifier is not able to provide. Alternatively, it can just be used to boost the signal for an amplifier.

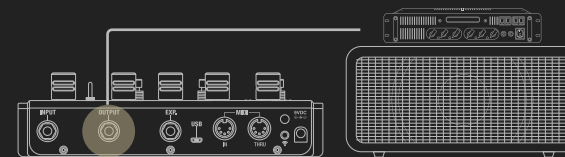
Simply put the pedal in the signal chain before a guitar or bass amplifier.

\*Note: BIAS Distortion provides either True Bypass or Buffer Bypass (please refer to the Bypass mode section of this manual) for you to choose from. If you have a lengthy cable and a long signal path but still want to preserve high frequencies, Buffer Bypass will be suitable for your needs. On the other hand, if you want to tone down the harsh top end in your sound, True Bypass might fit your needs better.

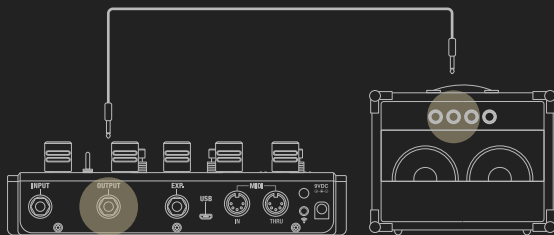


As a preamp pedal, BIAS Distortion is able to work like a preamp from any other guitar or bass amplifier.

The control panel provides 6 tone-shaping knobs (please refer to the Control Panel section of this manual) including gain, master volume and an equalizer. You can patch the output signal from BIAS Distortion into any power amplifier.



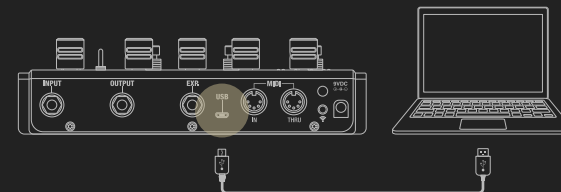
Alternatively, you can connect to the RETURN input of any guitar or bass amplifier that has an effect loop, which allows the signal to bypass the preamp section of the amplifier and directly go into the power amp.



Either way, BIAS Distortion is now functioning as a preamp pedal. You are not only in possession of a powerful distortion pedal, but also a preamp pedal with various tonalities.

### Connect with BIAS Pedal app

BIAS Distortion comes with the BIAS Pedal - Distortion Pack license (for desktop software). You can redeem the software code on our store page (see the Redeem & Activate My Software section). In addition to BIAS Pedal desktop software, there's also a mobile version of BIAS Pedal for iPad available (sold separately).



To connect with the BIAS Pedal (desktop) software, simply connect BIAS Distortion to your computer using the supplied Micro USB cable and launch the BIAS Pedal software.

BIAS Distortion will automatically connect with the BIAS Pedal software and initiate Remote Mode (see the Remote Mode section of this manual).



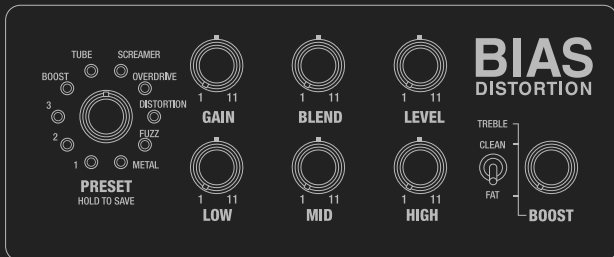
To connect with BIAS Pedal mobile software, turn on the Wireless function on BIAS Distortion by engaging the Wireless button on the rear panel. The LED will start to blink, indicating that the pedal is now in pairing mode and ready for connection.

Then launch BIAS Pedal mobile, go to Settings => Connect. BIAS Pedal mobile will begin searching for an active BIAS Distortion pedal nearby and connect with the pedal automatically.

\*Note: If BIAS Pedal mobile is unable to detect your BIAS Distortion pedal, please check that the wireless function is turned on and reconnect again. Also try bringing your mobile device closer to the pedal.

# OVERVIEW

## Control Panel

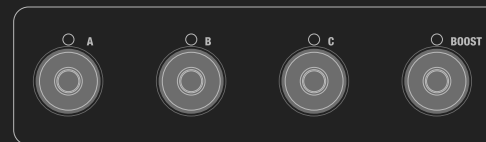


- **PRESET knob**  
Controls the currently engaged preset. Once a parameter changes, the LED will start to blink, indicating that a change has been made to the current preset. Long-press the Preset knob again to save your edits to the preset. BIAS Distortion comes with 20 presets -10 presets for each bank. Press the knob to switch between the 1st bank (red) and 2nd bank (blue).
- **GAIN**  
Controls the amount of distortion in the clipping stage (see the Clipping Stage section of this manual).
- **BLEND**  
Controls the wet/dry ratio of the output stage (secondary distortion) module. (see the Output Stage section of this manual).

- **LEVEL**  
Controls the overall output volume.
- **LOW**  
Controls the low frequencies' volume.
- **MID**  
Controls the midrange frequencies' volume.
- **HIGH**  
Controls the high frequencies' volume.
- **BOOST**  
Controls the volume of the additional booster function on the BIAS Distortion pedal (see the Boost section of this manual).
- **Boost type**  
Select from three different boost types (see the Boost section).

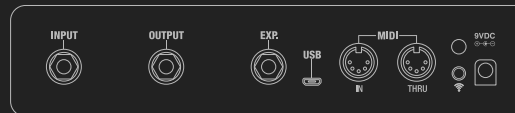
## Footswitch Panel

BIAS Distortion comes with footswitches labeled A, B and C, and a BOOST footswitch. The A, B and C footswitches allow you to alternately engage and bypass presets for the BIAS Distortion pedal (see the Footswitch Mapping section of this manual).



The BOOST footswitch can engage the additional booster circuit BEFORE or AFTER the distortion effect for the BIAS Distortion pedal.

## Rear Panel



- **Input**  
1/4" TS Hi-Z input
- **Output**  
1/4" TS output
- **EXP.**  
1/4" TRS jack for an Expression pedal (see the Expression Pedal section of this manual).
- **MIDI In/Thru**  
Supports standard MIDI with 5-pin MIDI jack (see the MIDI section of this manual).
- **Wireless button/Blinking LED**  
There are 2 different LED states:
  - > LED blinks rapidly - Wireless is in pairing mode and ready to connect with BIAS Pedal mobile.
  - > LED stays static - Connecting with BIAS Pedal mobile.
- **9V DC Power Jack**  
Supports 9V DC power supply with negative tips. The minimum current draw is 270mA.
- **USB**  
Micro USB, for supplying power to the pedal and integrating it with BIAS Pedal (desktop) software.

# FUNCTION AND OPERATION

## 1. Engage & Bypass

When you first plug the power in, the pedal will be in **Bypass Mode**, meaning that the input signal will be passed through the pedal without any modification from the presets.

There are two different bypass types for BIAS Distortion:

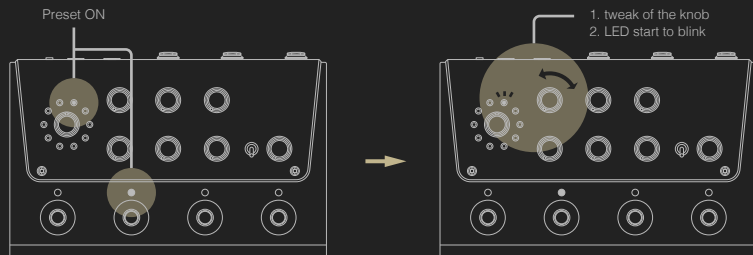
**A. Buffer Bypass (System default)** - The signal will go through the buffer circuit and generate a lower-impedance output signal. This allows the output signal to go through a much longer cable without compromising high frequencies. In addition, Buffer Bypass can prevent the common 'pop' noise when engaging/disengaging a preset.

**B. True Bypass** - This creates a short circuit between the input and output to keep the bypassed signal untouched as a high-impedance output signal. If you are using a cable longer than 18.5 feet, you might get volume loss in the high frequencies using this bypass mode.

To engage a preset, press one of the A/B/C footswitches to turn on the effect. Press the same footswitch again to switch back to bypass mode, or press another footswitch to switch to another preset.

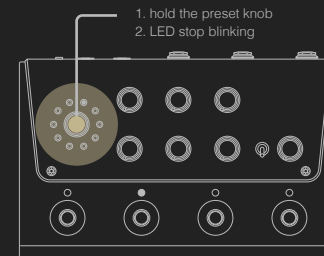
## 2. Save Preset

Once a preset is recalled, you can tweak any of the knobs on the control panel to modify its sound and the Preset LED will start to blink, indicating that the parameter's value has changed.



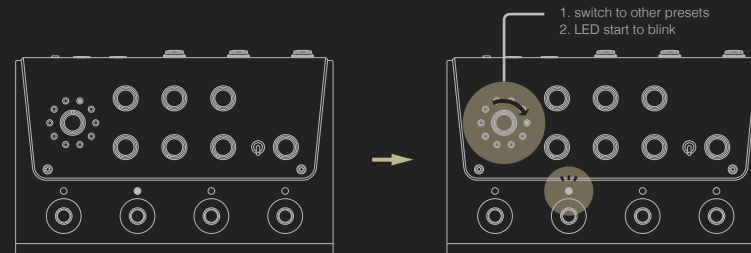
To save the parameter changes, hold the Preset knob until its LED stops blinking.

To dismiss the changes, switch to another preset or switch back to Bypass Mode.

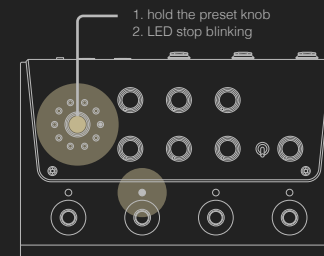


## 3. Assign Footswitch

Each footswitch can turn on or off one of the 20 presets in the pedal.



To assign a different preset to a footswitch, just tweak the Preset knob to switch to another preset and the footswitch LED will start to blink. Hold the Preset knob until the LED stops blinking, and the footswitch-preset mapping will update.



## 4. Boost

BIAS Distortion comes with an additional booster that allows you to boost the gain or volume depending on your needs. You can choose from three different boost types with the toggle switch on the control panel. Different boost types provide different tonality.

- Treble Boost - Boosts the volume in the highs
- Clean Boost - Boosts the volume over the entire frequency range
- Fat Boost - Boosts the volume in the low-midrange band

Boost Position:

Long-press the Boost footswitch to switch between Pre and Post positioning of the boost effect.

- Pre (Red) - The boost effect is placed BEFORE the distortion effect. Pushing the volume will mainly increase the gain and saturation.



- Post (Blue) - The boost effect is placed AFTER the distortion effect. Pushing the volume will mainly increase the overall volume of the signal.



## 5. Expression Pedal

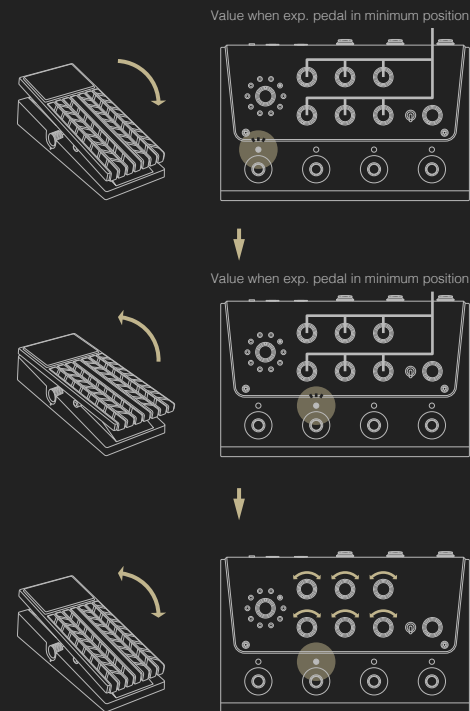
BIAS Distortion supports expression pedals, allowing you to continuously control parameters live on stage. BIAS Distortion can work with standard TRS expression pedals for continuous control by adjusting the knobs on your BIAS Distortion.

### • Calibration

1. Plug in an expression pedal with a cable fitted with a TRS plug.
2. Engage the preset you want to control with the expression pedal.
3. Hold down the **Wireless** button on the pedal's rear panel to engage Calibration mode; **LED A** will start to blink. Set the expression pedal to the minimum position and turn the knobs to the desired value. Press footswitch A to save. Footswitch B will automatically start to blink as you finish calibrating footswitch A.
4. Turn the expression pedal to the maximum position and turn the knobs to the maximum value. Press footswitch B to save and leave calibration mode.
5. Hold down the **Wireless** button to leave calibration mode directly.

### • Control

Once you're done calibrating, simply depress the expression pedal and the parameters will change linearly between the minimum and maximum values.





## 6. MIDI

BIAS Distortion supports standard MIDI commands.



- **MIDI IN** - This connector receives MIDI commands from an external MIDI device. Plug the MIDI Out from the external MIDI device to MIDI IN on BIAS Distortion.
- **MIDI THRU** - You can connect MIDI THRU to another MIDI device. BIAS Distortion will pass a MIDI command it receives at its MIDI IN connector to its MIDI THRU port to send the command on to another MIDI device.
- **MIDI Channel**  
The default MIDI Channel is 1. With the BIAS Pedal app, you can select a MIDI channel from 1-16 or select Omni (sending/receiving MIDI on all channels).

- **Program Change**

Program Change allows you to switch presets with an external MIDI device.

PC#	Preset
PC# 0	Preset 1
PC# 1	Preset 2
PC# 2	Preset 3
PC# 3	Preset 4
PC# 4	Preset 5
PC# 5	Preset 6
PC# 6	Preset 7
PC# 7	Preset 8
PC# 8	Preset 9
PC# 9	Preset 10
PC# 10	Preset 11
PC# 11	Preset 12
PC# 12	Preset 13
PC# 13	Preset 14
PC# 14	Preset 15
PC# 15	Preset 16
PC# 16	Preset 17
PC# 17	Preset 18
PC# 18	Preset 19
PC# 19	Preset 20

- **Control Change**

Control Change allows you to control specific parameters with an external MIDI device.

CC#	Control	Value
CC# 20	LOW	0-127
CC# 21	MID	0-127
CC# 22	HIGH	0-127
CC# 10	MASTER (LEVEL)	0-127
CC# 11	GAIN	0-127
CC# 12	BLEND	0-127
CC# 13	TONE	0-127
CC# 50	Boost knob	0-127
CC# 51	BOOST type	0-2
CC# 80	A Footswitch	0=up, 127=Down
CC# 81	B Footswitch	0=up, 127=Down
CC# 82	C Footswitch	0=up, 127=Down
CC# 83	Boost Footswitch	0=up, 127=Down
CC# 93	Boost Long Press	0=up, 127=Down
CC# 100	Expression Pedal	0-127

## 7. Factory Reset

Factory reset allows you to reset your pedal back to its factory-default state. By holding down the Wireless button and plugging the power in, the pedal will engage Reset Mode. While in Reset Mode, the LED lights will keep blinking. You can long-press the Wireless button again to reset the device, or press it briefly to leave Reset Mode. The pedal will then reboot to complete the reset process. You can also reset the pedal using the BIAS Pedal app.

Items that will be reset:

- Device name
- MIDI settings
- Presets
- Bypass types
- Footswitch mappings

## BIAS PEDAL (SOFTWARE)



## INTRODUCTION

BIAS Pedal is a multi-platform application for stompbox design and modeling. The software lets you design your own distortion effect pedal by customizing every single component, including topology, power source, filter and the outer design of the pedal. You can also share your pedal with Positive Grid's global ToneCloud community and download amazing pedals straight from ToneCloud.

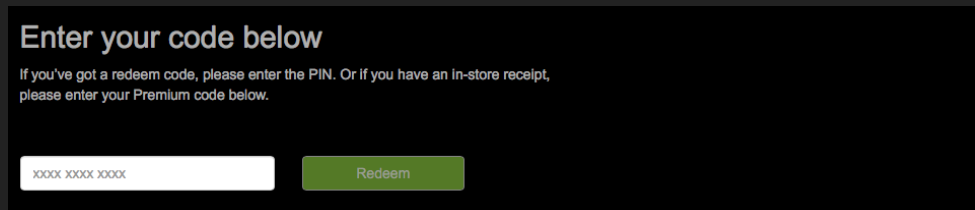
BIAS Pedal also comes with BIAS Distortion support, allowing you to use BIAS Pedal as an interface to customize BIAS Distortion.

## HOW TO GET BIAS PEDAL?

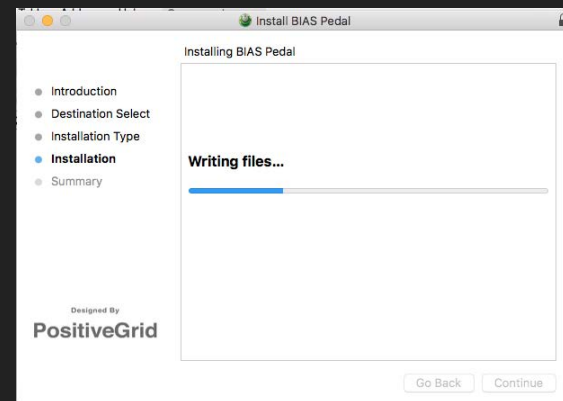
### Redeem & Activate My Software

BIAS Distortion comes with BIAS Pedal - Distortion Pack ( desktop software).

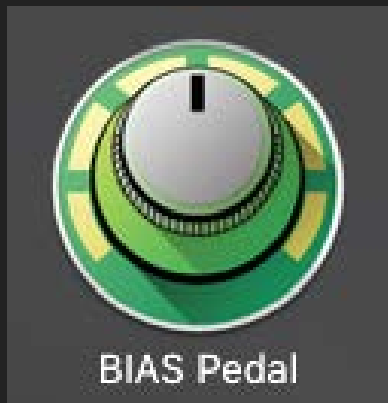
Go to our website <https://store.positivegrid.com/redeem> and enter the redeem code printed on the redeem card.



Once your code has been redeemed, go back to the store page to download the installer and install BIAS Pedal - Distortion Pack.



After the installation, you can find BIAS Pedal in your DAW or Applications folder.



To activate your license, just log into your ToneCloud account in BIAS Pedal through the Settings menu. All features found in the Distortion Pack will be unlocked once you log in.



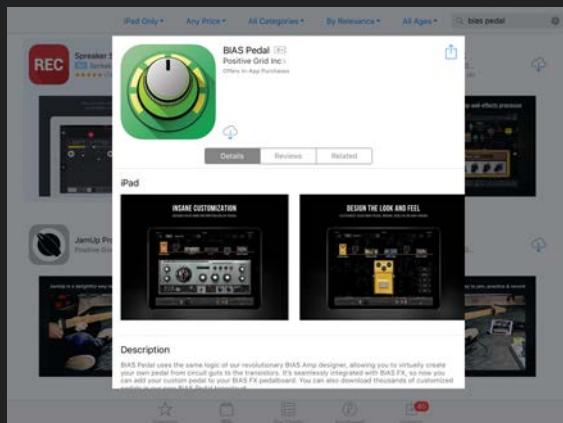
System requirements for BIAS Pedal desktop version:

System Requirement	
Windows	Windows 7 or later
Mac	OS X 10.9 or later

Support DAW	Requirements
Ableton Live	8.0 or above
Avid Pro Tools	10 or above
Apple Logic Pro	9.0 or above
Apple GarageBand	6.0.5, 10.0 or above
Cakewalk Sonar	X2 or above
Cockos Reaper	3.4 or above
Steinberg Cubase	5.0 or above
Steinberg Nuendo	4.3 or above
PreSonus Studio One	Producer/Professional 2 or above

## Buy BIAS Pedal on Apple's App Store

BIAS Pedal also comes with a mobile version for iPad. Search for BIAS Pedal on the App Store and download the trial version for free. You get the full-featured version of BIAS Pedal by unlocking the trial version, which procedure is explained next.



To unlock all the features of BIAS Pedal - Distortion Pack and obtain a permanent license for the app, go to Positive Grid's in-app store by clicking on the shopping-cart icon in the interface's upper-right corner and follow the prompts to purchase it.



# BIAS PEDAL USER INTERFACE

## Desktop Version



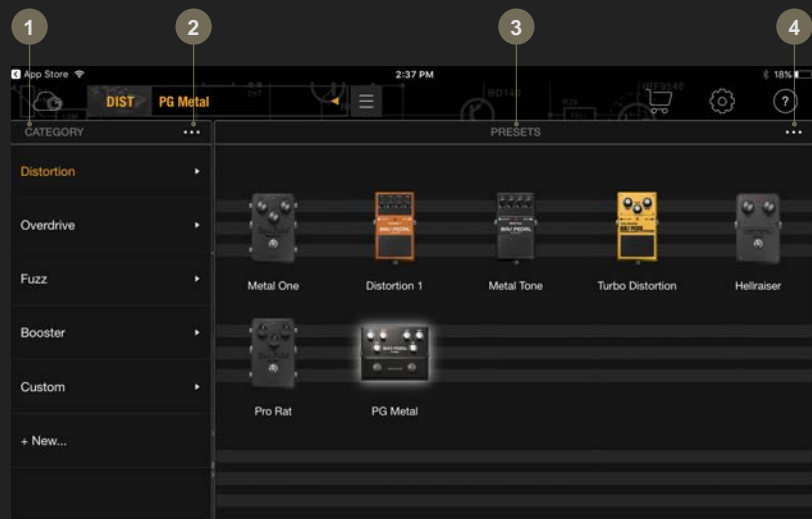
1. ToneCloud - Enters the ToneCloud page.
2. Effects page - Switches among installed software packs. Available software packs include Distortion Pack, Delay Pack and Modulation Pack.
3. Preset menu - Shows the current preset. Click to open the preset menu.
4. Save button - See the Save Preset section of this manual for more information.
5. Setting Menu - See the Settings section of this manual for more information.
6. Signal Path - See the Signal Path section of this manual for more information.
7. Input volume - Controls the input volume. To prevent feedback, the input volume will be muted at startup when using a built-in microphone and speaker as the chosen audio input/output device.
8. Tempo - Shows the current BPM (beats-per-minute) value. You can set the BPM by entering the desired value or by using the built-in tap tempo feature. The BPM range goes from 40 to 400.
9. Quick Snap - Provides 8 slots to save and instantly recall different parameter setups for instant comparison of different settings.
10. Noise Gate - See the Noise Gate section of this manual for more information.
11. Amp Room - See the Amp Room section of this manual for more information.
12. Output volume - Controls the output volume.
13. Design button - Customize the look of your pedal. See the Custom Panel section of this manual for more information.

## Mobile Version



1. ToneCloud - Enters the ToneCloud page.
2. Effects page - Switches among installed software packs. Available software packs include Distortion Pack, Delay Pack and Modulation Pack.
3. Preset menu - Shows the current preset. Press to open the preset menu.
4. Save button - See the Save Preset section of this manual for more information.
5. In app purchase - Buy full-featured version of BIAS Pedal.
6. Setting Menu - See the Settings section of this manual for more information.
7. Tooltip - Helpful tips explaining each button and knob.
8. Signal Path - See the Signal Path section of this manual for more information.
9. Input volume - Controls the input volume. To prevent feedback, the input volume will be muted at startup when using a built-in microphone and speaker as the chosen audio input/output device.
10. Tempo - Shows the current BPM value. You can set the BPM by entering the desired value or by using the built-in tap tempo feature. The BPM range goes from 40 to 400.
11. Quick Snap - Provides 8 slots to save and instantly recall different parameter setups for instant comparison of different settings.
12. Noise Gate - See the Noise Gate section of this manual for more information.
13. Amp Room - See the Amp Room section of this manual for more information.
14. Output volume - Controls the output volume.
15. Design button - Customize the look of your pedal. See the Custom Panel section of this manual for more information.
16. Open in BIAS FX - Import current pedal to BIAS FX. Needs BIAS FX mobile.

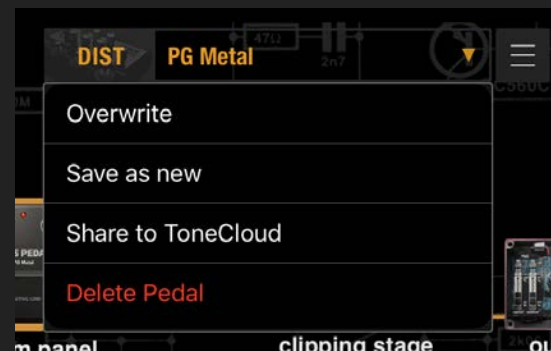
## PRESET MENU



1. **CATEGORY** - Shows all the available preset categories. Each category can store several presets. You can add new categories or delete them. Make sure you don't delete the entire category if you want to keep the presets that are inside.
2. **EDIT (Category)** - Renames, reorders or deletes categories. Click Done when you're finished editing.
3. **PRESETS** - Shows all the pedals in the selected category. Click each pedal to load its sound. Click twice to check its signal path and to change the parameters for this preset.
4. **EDIT (Preset)** - Renames, reorders or deletes presets. You can drag presets to other categories. Click Done when you're finished editing.

## SAVE PRESETS

BIAS Pedal lets you store every pedal you build and recall them anytime, anywhere.



On the top menu bar, click the save button next to the preset name to see the save options.

- **Overwrite** - Save the changes made to the parameters for the current preset.
- **Save as new** - Save current parameters as a new preset and select a category to store it to.
- **Share to ToneCloud** - Share your preset to ToneCloud.
- **Delete Pedal** - Delete current pedal.

The save button will light up after any parameter changes, indicating that the changes have not been saved yet.



## SIGNAL PATH

The signal path shows you how the signal is being processed. Each module in the signal path provides different functionalities and a different control interface. This section will show you how to work with these modules and how to get the tone you want.

### Custom Panel

The Custom Panel shows how the pedal looks. You can custom-design the look of your pedal by editing the options listed immediately below.

#### 1. PHOTO

Load a photo from your iPad or computer to use as the background image for the pedal. You can also adjust the image size and its position on the pedal.

#### 2. RENAME

Name or rename your pedal at any time.

#### 3. BOX

Select the type of box. Different boxes come with different knob placements and numbers.

#### 4. COLOR

Select the background color.

#### 5. KNOB

Select the knob design.



## Clipping Stage

The Clipping stage is the first distortion stage in the signal path. This stage allows you to design the gain structure of BIAS Distortion.

### 1. Pre Lowcut

Adjusts the bandwidth of the low-frequency range. The higher you set the LOW CUT FREQ slider, the less extended the bass response will be in the clipping stage. In other words, this adjusts the tone at the front of the clipping stage (before distortion).

### 2. Pre Highcut

Adjusts the bandwidth of the high-frequency band. The lower you set the HIGH CUT FREQ slider, the less extended the high response will be in the clipping stage.

### 3. Gain

The GAIN KNOB sets the amount of clipping-stage input gain and thus controls the clipping stage's distortion overall.

### 4. Distortion

The distortion knob is an extra control that adjusts the amount of distortion in the selected topology.



## 5. BIAS

Lowering the BIAS ADJUST control will provide a cleaner tone (containing less harmonics), while higher settings will provide a warmer tone (with more harmonics).

## 6. Topology

Tap to choose among 5 transistors and their different types of distortion. You can also mix clipping and output stages with different topologies to experiment with different tones.

## 7. Post Lowcut

Adjusts the bandwidth of the lower-frequency range. The higher you set the LOW CUT FREQ slider, the less extended the bass response will be in the clipping stage. This adjusts the tone at the back of the clipping stage (after distortion).

## 8. Post Highcut

Adjusts the bandwidth of the high-frequency band after the clipping stage. The lower you set the HIGH CUT FREQ slider, the less extended the high-frequency response will be after the clipping stage.

## Tone Stage

The Tone stage is a secondary distortion stage and a tone-shaping stage.

### 1. Pre Lowcut

Adjusts the bandwidth of the low-frequency band. The higher you set the LOW CUT FREQ slider, the less extended the bass response will be in the clipping stage. In other words, this adjusts the tone at the front of the output stage.

### 2. Pre Highcut

Adjusts the bandwidth of the high-frequency band. The lower you set the HIGH CUT FREQ slider, the less extended the high response will be in the clipping stage.

### 3. Distortion

The distortion knob is an extra control that adjusts the amount of distortion for the selected topology.

### 4. Topology

Tap to choose among 5 transistors for different types of distortion. You can also mix clipping and output stages with different topologies to experiment with different tones.



### 5. Post EQ (Low, Mid, High)

These controls respectively boost or attenuate the bass, midrange and high frequencies after the output stages.

### 6. Tone

This controls the high and low frequencies with different distortion stages. You can switch between Resonate and Tilt mode using the switch to the left of the this knob.

### 7. Resonate

In **Resonate Mode**, higher values will boost more high frequencies and preserve the most low frequencies.

### 8. Tilt

In **Tilt Mode**, higher values will reduce low frequencies and boost high frequencies. A lower value will increase the bass and reduce the highs.

### 9. Output

Adjusts the output gain for the clipping stage.

### 10. Mix

Adjusts the signal balance between clipping and output stages.

## Power Module

The Power Module controls the output stage of the effect. You can switch among different power supply options, selecting from 6V to 18V batteries.

### 1. Attack

Determines how quickly compression is applied.

### 2. Release

Determines how quickly compression ceases and the signal level recovers.

### 3. COMP

Adjusts the overall compression amount sent to the selected battery module.

### 4. Output

Adjusts the output gain after compression.

### 5. Battery

Sets the input level (threshold) above which compression begins. It is affected by the level of the COMP control.

6V: -45dB~-30dB

9V: -35dB~-20dB

12V: -25dB~-10dB

18V: -15dB~0dB



## EQ (Equalizer)

EQ allows you to adjust the balance of frequencies in the signal. You can turn down the volume at a certain frequency to make it sound more polished. BIAS Pedal provides 3 EQ module types for you to choose from.

### Studio EQ

- Preset - Loads factory and user EQ setups. Save and name your user Studio EQ setups here.
- Gain - Adjusts the boost or attenuation for bass, mid, and high filters.
- Frequency - Sets the frequency for each filter.
- LEVEL - Adjusts the output level of the EQ module.
- MIX - Adjusts the Dry/Wet ratio for the EQ.



### Graphic EQ

- Preset - Loads factory and user EQ setups. Save and name your user Graphic EQ setups here.
- Filter - Filter 1 is a low-cut filter. Filter 8 is a high-cut filter. Filters 2 through 7 are peaking (bell-curve) filters.
- Numbers - Tap a numbered button to turn its filter on.
- LEVEL - Adjusts the output level of the EQ module.
- MIX - Adjusts the Dry/Wet ratio for the EQ.



### Parametric EQ

- Preset - Loads factory and user EQ setups. Save and name your user Parametric EQ setups here.
- Slider - Drag the slider to adjust the boost or attenuation amount for different frequencies.
- LEVEL - Adjusts the output level for the EQ module.
- MIX - Adjusts the Dry/Wet ratio for the EQ.



### Pedal Match

With the power of our Tone Match Technology, you can capture the sound of any distortion pedal or pre-recorded track and create a matched model (see the How to Match a Pedal section immediately below).



## HOW TO MATCH A PEDAL

To match a pedal, you need

1. BIAS Pedal desktop (the mobile version is not able to match pedals)
2. An audio Interface
3. A target distortion pedal (the one whose sound you want to capture)
4. Guitar or other signal source

First connect your guitar to the distortion pedal and plug it into your audio interface. Then adjust the input gain to a proper level.

Select a preset and tweak it as close as possible to the target pedal.

In the Source stage, bypass the target pedal and click Sample to sample the source signal. During the sampling process, keep playing the guitar from its lowest note to highest note. After the progress bar reaches 100%, click Sample again to finish sampling.

Click Target for the target stage. Engage the target pedal and redo the sampling process again. After the progress bar reaches 100%, click Sample again to finish sampling.



Click Match to finish pedal matching. The Pedal Match module will match the characteristics of the target pedal and apply them to the preset. You can also make minor adjustments using the tone-shaping knobs in the module.



## NOISE GATE

Each preset comes with its own individual noise gate control. You can adjust the threshold and decay values that work best for your pedal.



- Threshold - Controls the threshold level. When the input signal is louder than the threshold, the signal is able to pass through the gate. If the input signal is lower than the threshold, the signal will be cut off. Make sure your threshold level is slightly above the background noise.
- Decay - Controls the decay time of the signal that is being cut off.

You need to save the preset in order to store its noise gate settings.

## AMP ROOM

Amp Room allows you to evaluate the sound of each pedal by pairing with six amp models we have implemented from BIAS Amp. Each amp model has its own unique tonality and gain structure.



- British 900 - Clean, British style amplifier.
- '94 MATCH 30 - Clean amplifier.
- Mini Duo Reverb - Clean, American style amplifier.
- '67 Dumble Clean - Low gain, glassy amplifier.
- British Lead 800 - Crunch amplifier.
- SLO 100 - High gain amplifier.

On the signal path, you can change the position of pedal and amp to simulate an effects loop.

To do so, simply place the pedal after the amplifier in the Amp Room. You have now created an effects loop.

# TONECLOUD

In ToneCloud, you can share your own pedal or download custom pedals from other great musicians from around the world. You can preview presets in ToneCloud, add them to your Favorites list, and download them right into BIAS Pedal on your mobile device.

Click the ToneCloud icon in the top-left corner of the software's interface.



- **Home Button**

Leave ToneCloud

- **PRESET**

Browses presets in ToneCloud

- **Search**

Searches for a pedal by name

- **My Page**

Manages your uploaded presets and favorite presets

- **LATEST**

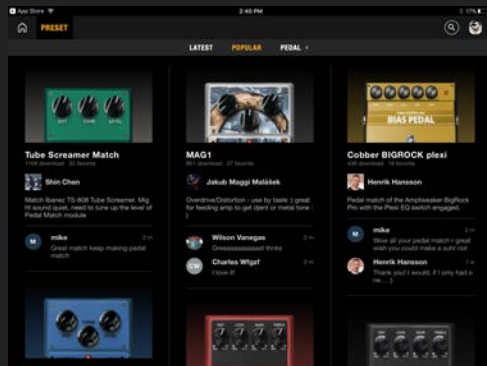
Shows the presets most recently uploaded in ToneCloud

- **POPULAR**

Shows the most frequently downloaded and most popular presets

- **PEDAL**

Filters the list of available presets by type (Distortion, Overdrive, Fuzz, Boost)



## How to preview presets on ToneCloud

Select the preset you want to preview (audition). There's a preview slider for each preset; click it to preview the sound.

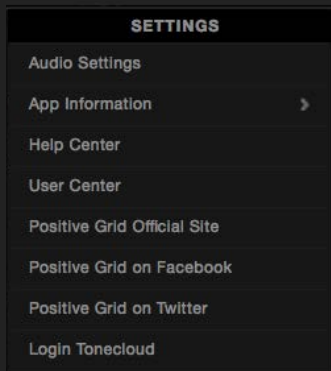
## Download presets from ToneCloud

Select the preset you want to download. Click the download button and choose the desired location for saving the preset. Then click DOWNLOAD to download it.



# SETTINGS

## Desktop



- Audio Settings - Selects the audio device, input/output routing, sample rate and buffer size settings.
- App Information - Executes a factory reset or shows the app version, DSP engine, license and What's New page.
- Help Center - Links to our Help Center website for guides and FAQs or to write to our support agent.
- User Center - Links to the User Center. You can manage your ToneCloud account there.
- Positive Grid Official Site - Links to Positive Grid's website.
- Positive Grid on Facebook - Links to Positive Grid's Facebook page.
- Positive Grid on Twitter - Links to Positive Grid's Twitter page.
- Login/Logout - Log in to and out of your ToneCloud account.

## Mobile



- Connect - Connects with BIAS Distortion or another compatible device.
- Input Channel - Selects the input channel, which depends on the routing setup for your audio device.
- Output Selector - Chooses the output device.
- Knob Gesture - Chooses how to control the knobs with gestures on the touch screen.
- Run in Background - Allows BIAS Pedal to run and process sound in the background.
- Latency - Chooses between Low and Normal latency settings. Low latency setting requires more CPU usage. Set the latency setting to Normal if you hear clicking or popping noises.
- Feedback - Sends us your feedback. You can write your feedback or issue a report.
- App Information - Executes a factory reset or shows the app version, DSP engine, and What's New page.
- Positive Grid on Facebook - Links to Positive Grid's Facebook page.
- Positive Grid on Twitter - Links to Positive Grid's Twitter page.
- Help Center - Links to our Help Center for guides and FAQs or to write to our support agent.



## CONNECT WITH BIAS DISTORTION

BIAS Pedal can also function as a remote-control interface for BIAS Distortion to allow further customization options.

### Remote Mode

After connecting with BIAS Distortion, BIAS Pedal will enter Remote Mode. All actions and changes made inside the BIAS Pedal software will be reflected on the BIAS Distortion unit. You can preview all presets from BIAS Pedal and ToneCloud through BIAS Distortion. Furthermore, you can manage presets and device settings, or update BIAS Distortion to the latest version once new firmware is made available. The following section will show you what you can do when you integrate BIAS Pedal with BIAS Distortion.



### Device Preset Menu

In Remote Mode, you can manage the presets stored inside BIAS Distortion.

#### 1. Device Category

Shows the current presets in BIAS Distortion.

#### 2. Slot Name

Shows which slot the preset is storing its settings to.

#### 3. Footswitch Mapping

Shows the current footswitch mapping (preset assignment). You can change the mapping by right-clicking and holding the Preset icon.



### Store presets to BIAS Distortion

To store new presets in BIAS Distortion, simply click the STORE TO PEDAL button in the lower bar. Choose a slot to store the preset, and then confirm the change.



## Device Setting Menu

In Remote Mode, the settings menu will show all the settings for your BIAS Distortion.



- Disconnect - Disconnects integration with BIAS Distortion
- Device Information - Checks the model type, serial number, device name and firmware version. You can also rename your BIAS Distortion and upgrade the firmware here.
- Bypass Type - Selects the bypass mode for BIAS Distortion. To understand how bypass works, see the **Engage & Bypass** section of this manual.
- MIDI Channel - Selects the MIDI channel for receiving MIDI commands.
- Backup & Restore - Backup all presets from BIAS Distortion here, and store presets in BIAS Pedal. You can also restore all presets in another device. You can backup up to 5 sets of presets.
- Factory Reset - Resets BIAS Distortion to its factory-default state. All presets, device information and MIDI settings will be reset.

## Firmware Upgrade

With BIAS Pedal, you can keep BIAS Distortion up to date with new features and bug fixes. This allows BIAS Distortion to keep improving itself for better performance and sound and more fun.

Go to Settings menu => Device Information => Firmware to check if there is a new version available to install. BIAS Pedal will begin to update the firmware for BIAS Distortion. **DO NOT** turn the power off or disconnect BIAS Pedal while the firmware update is running.

For more information and FAQs or to contact a support agent, please check our help Center at: <https://help.positivegrid.com/hc/en-us>

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