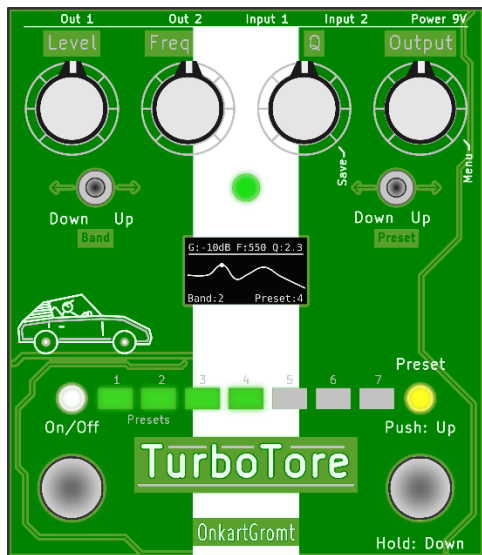


# TurboTore™



Parametric Equalizer for Bass

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## OVERVIEW

While most EQ pedals on the market are limited by fixed frequency bands, TurboTone brings another level of control to your sound. With a fully parametric EQ, you are able to dial in the exact frequency response you want.

Many will find this pedal as simple to use as a typical DAW plugin. And yet for others that may be a bit much to wrap their brains around, which is why we also incorporated 7 factory made presets that can be accessed via the footswitches. Of course, you can change the presets to your own taste.

Another cool feature of this pedal is the dual inputs that can be mixed together. This way you can have presets set for 2 different bass guitars, for the mid-show bass swap. Or for compensating for differing low end when going from bass guitar to synth bass, etc.

## LEVEL

Each band can be adjusted from -12dB to +12dB.

As several bands can be layered on top of each other it is possible to get even more gain or

reduction. But beware; this can lead to distortion if pushed too far!

## FREQ

This knob controls the corner frequency (for shelving filters) or center frequency (for peaking filters) of the currently selected EQ-band.



## Q

The width of each band is controlled by the Q knob. A narrow band (high Q) will affect a small portion of the frequency spectrum, while a small number affects a wide range.

## OUTPUT

The overall output level can be adjusted from -6dB to +6dB.

## BAND

The band toggle switch controls which band you are controlling with the other knobs.

Band 1 is a low shelf filter.

Bands 2-5 are peaking filters.

Band 6 is a high shelf filter.

## MENU

Menu can be accessed by pushing the upper right knob('Output').

By pushing the knob, you will step through the various pages:

-Input level 1

-Input level 2

To adjust a parameter, turn the same knob. Click once more to activate and step to next page.

To exit the menu, step through the pages until you reach the standard view or load a preset with the toggle switch.

You can save the preset at any time by pushing the "Save" knob (to the left of "Menu"). The settings will then be saved to the currently selected preset.

## INPUT GAIN 1/2

The input level for input 1 and 2 can be adjusted separately, from 0 to 10. If you only use one input, set the other to 0 to reduce noise.

If the input signal is too high (clipping), you can activate the -10dB pad with the switch on the left side of the box (use a small screwdriver to access it through the hole).

## BYPASS MODE

TurboTore has signal relays inside that will always bypass the signal when powered off. It is possible to choose between using the True Bypass mode or Buffered Bypass mode.

We will not list the pros and cons of each bypass mode, too much is already written about that subject.

But there is one important thing to be aware of in the case when it comes to the Turbo Tore: The -10dB pad is inserted after the relays. This means that if you use True Bypass mode, and the -10dB pad is engaged, your signal will get 10dB louder when the pedal is bypassed.

If you are using the buffered bypass mode, your signal will be at the same level whether the pedal is engaged or bypassed.

If you don't need to use the -10dB pad, your signal will also be at the same level whether bypassed or engaged.

To change bypass mode, hold down both footswitches while powering up the pedal. Continue to hold both footswitches pressed while you change settings using the toggle switches.

In this menu you can also reset the TurboTore to default factory settings.



## PRESETS

TurboTore has room for 7 presets. They can be loaded by navigating to the number preset you want with the preset toggle switch.

You can also load the next preset by pressing the right footswitch once. Holding down the footswitch will load the previous preset.

Preset 1: Green LED

Preset 2: White LED

Preset 3: Yellow LED

Preset 4: Red LED

Preset 5: Blue LED

Preset 6: Turquoise LED

Preset 7: Pink LED

To save a preset, just push the 'Q knob until the screen displays 'SAVED'.

## DEFAULT PRESETS

The 7 presets that are stored in the default settings provide a good starting point for several scenarios. Presets 6 and 7 are set flat and are for you to make your own presets.

Preset 1: "The sound guy will love you". This is a usual starting point EQ for live sound guys with DI'd bass guitar, so why not beat them to it? Makes most passive basses sound a little bigger and better.

Band 1 (shelving) - 40 Hz, -12 dB, Q 4.0

Band 2 - 700 Hz, -4dB, Q 1.5

Band 3 - 1.5 kHz, +2dB, Q 1.5

Preset 2: Slap contour. Do you slappa da bass?

Band 1 (shelving) - 80 Hz, +6dB, Q 2.0

Band 2 - 700 Hz, -8dB, Q 1.2

Band 6 (shelving) - 4kHz, + 4dB, Q 2.0

Preset 3: Dub heaven. When you don't really need anything but a fat, deep bass with a hint of definition. Sounds great with an aggressive, squashing compressor. Also try feeding this into some heavy fuzz for synthy sounding heaven.

Band 1 (shelving) - 80 Hz, +6dB, Q 2.0

Band 2 - 700 Hz, -8dB, Q 1.2

Band 3 - 2 kHz, + 4dB, Q 2.0

Band 6 (shelving) - 4kHz, - 12dB, Q 2.0

Preset 4: Bass solo! Damn those guitar players, it's time to cut through the mix and step on some toes!

Band 1 (shelving) - 5 kHz, +4dB, Q 2.0 (yes, this is pretty much just a volume boost!)

Band 2 - 90 Hz, -4dB, Q 1.2

Band 3 - 1 kHz, +5dB, Q 2.0

Band 4 - 4 kHz, +4dB, Q 2.0

Preset 5: Synth bass grind. Have you ever switched between your synth bass and bass guitar only to find that the bass guitar feels too thin in comparison, and the synth bass is either missing definition or overloading your amp? Here comes the remedy!

Band 1 (shelving) - 60 Hz, -6dB dB, Q 2.0

Band 2 - 400 Hz, +5dB, Q 1.2

Band 3 - 1.5 kHz, +2dB, Q 1.5

Band 6 (shelving) - 4kHz, -2dB, Q 2.0

## TECHNICAL SPECS

Technology: 32 bit/96kHz, floating point

Frequency response: 20 – 20000Hz +/- 1dB

Max input level: +14dBu with pad, +4dBu without

Noise floor: -98dBm

Input impedance: 1Mohm

Output impedance: 1kOhm

S/N ratio: 104dB

Input Gain (separate L and R): 0-12dB

Output Level: 0 - 12dB post gain

Q: 1.2 – 4

Gain (band): -12db - +12dB

Bands: 6. Band 1: low shelf, band 6: high shelf

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