MIDBOOSTER
MID FREQ BOOSTER

[RACK EXTENSION]
MANUAL / 2021
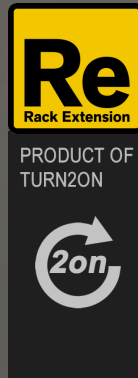
FX device by Turn2on Software

MIDBOOSTER
PARAMETRIC MID FREQ BOOSTER

1   2   3   max

SUB | BASS | LOW | MID | HIGH | PRES | BRILL | WIDE

MIDBOOSTER
MID FREQ BOOSTER

BYP ON OFF

TURN2ON SOFTWARE

1   2   3   max

▶ BAND WIDTH ◀   3,00 oct
OCTAVE SELECTION

MIDS   SWEEP
- 15,0 dB   800 Hz

MODE   WIDE MIDS

6П3С DUO VACUUM TUBES

GAIN
0,0 dB

BYPASS

MIDBOOSTER is a modern parametric booster which allows adjuststments to be made to the midrange frequencies of an incoming signal using parametric tuning. It can be used in your mix to add new mid-range frequencies or to cut out those which aren't required.

The device is useful for solving any problems with frequency balance, e.g. if the sound of the signal is too muddy or muffled. Use MIDBOOSTER to amplify and warm any incoming signal.
The main feature of this effect is the parametric midrange equalizer.

MIDBOOSTER can be a used as a substitute for the guitar "Screamer" effect. Many distortion and "muff" effects pedals cut out a lot of the frequencies in the midrange. If two guitars in the band are playing at the same time, the midrange frequencies fight with each other which results in them almost not being heard at all. In this scenario, use of a midrange booster will help you retain the character of your favorite overdrives and distortions in the mix.

In some cases when a signal processed through effects has a fat midrange it can sound unnatural.

With MIDBOOSTER, you can remove redundant frequencies and enjoy a perfect signal as never before!

Remember, this device is not not just a booster or gain effect, this is a parametric frequency booster. MIDBOOSTER can create completely new tones for your incoming signals, enhancing the character of the signal texture by adding more tone colours and a little extra midrange saturation.
Classic distortion effects are usually limited to High/Low frequency control with loss of the midrange. Having additional control of the midrange makes it possible to achieve new and richer sounds with your distortion, overdrive or fuzz effects.
The Bandwidth Octave Selection control morphs the frequency sweeping control through the softer/wider peaks to the sharper/steeper peaks in a clockwise direction.
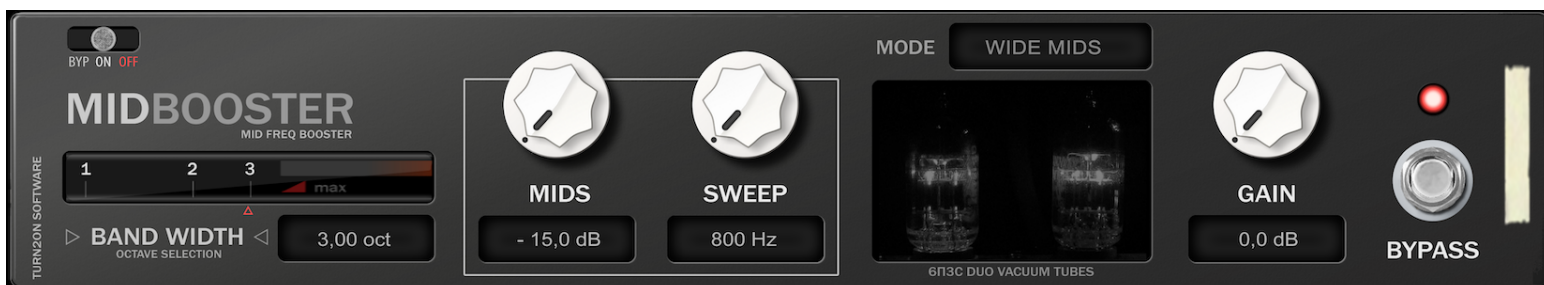**MIDBOOSTER** sounds fantastic on overdriven heavy amps and pedals, drums, rhythms and loops. When paired with an overdrive or distortion effect your signal will immediately become clearer and more powerful.

MIDBOOSTER is guaranteed to help improve the sound of your signal.

MIDBOOSTER
MID FREQ BOOSTER

CV INPUTS   MIDS   SWEEP   WIDTH   BYPASS

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BAND	SUB	BASS	LOW MID	MIDS	HI MID	PRES	BRILLNCE	WIDE MIDS
FREQ	40..60	60..250	250..500	500..2kHz	2..4 kHz	4..6 kHz	6..16 kHz	400..7.5 kHz

COMPLIES WITH 29 CFA CHAPTER H
APPLICABLE AT TIME OF MANUFACTURE.
THIS DEVICE COMPLIES WITH PART 28 OF THE CFA RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFACE RECEIVED

⚡ DATA
Use Type-C / Thunderbolt port for data transfer
(uploading new firmware and update process,
access for retune analog parts)

EXPRESSION
CONNECTOR

AUDIO I/O

L ◉ ▶   ◉ ▶L
INPUT <fx> OUTPUT
R ◉ ▶   ◉ ▶R
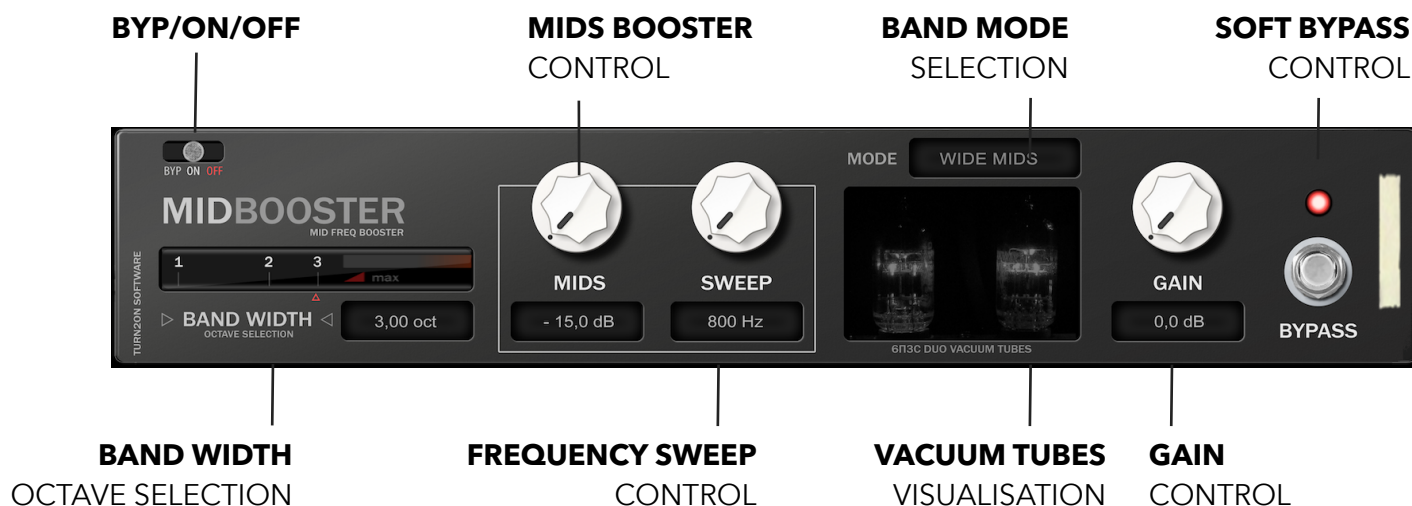
Turn2on

Visit us: turn2on.com

Mid-Range Boosting is a feature present on most of the best known UK-company guitar amps. The Mid-Range Boost on these amps functions as a 3-position rocker switch with various mid frequency boost values. Fast switching between the dark, mid and bright mid range tones resulted in the creation of the famous wah-wah effect. The best known example of Mid Range Boosting in music can be heard on The Beatles "Fixing a Hole".

MID FREQ BOOSTER

MIDS CONTROL

BYP/ON/OFF

MIDS BOOSTER CONTROL

BAND MODE SELECTION

SOFT BYPASS CONTROL

BAND WIDTH OCTAVE SELECTION

FREQUENCY SWEEP CONTROL

VACUUM TUBES VISUALISATION

GAIN CONTROL

MIDS BOOST LEVEL	Sets how much the mid frequencies are boosted or cut (+/- 15dB boost or cut)
FREQUENCY SWEEP	Sets which mid frequencies are boosted or cut. Sweepable frequency range from 400Hz to 7.5kHz
BAND WIDTH OCTAVE SELECTION	Controls how sharp the frequency peak being affected with the Mids knob will be. Morphs the frequency sweeping from the the softer/wider peaks through the sharper/steeper peaks in a clockwise direction. Mid range bandwidth works in the range 0.33 up to 3 octaves.
GAIN BOOST	Controls the overall gain boost of the processed signal up to +10 dB with EQ-flat
SOFT BYPASS	Switches between effect bypass. Fades in and fades out which excludes loud peaks when enabled or disabled.
BAND MODE	Selection between Band Frequency Range (Sub / Low / Mid / High / Presence / Brilliance / Wide)
ENABLE BYP/ON/OFF	BYPASS - disable effect ON - enable effect OFF - mute incoming signal

BAND MODES

🟥	**SUB**	Range of the Sub frequency: 40-60 Hz
🟧	**BASS**	Range of the Bass frequency: 60-250 Hz
🟨	**LOW MIDS**	Range of the Low Mids frequency: 250-500 Hz
🟩	**MIDS**	Range of the Mids frequency: 500 Hz - 2 kHz
🟦	**HIGH MIDS**	Range of the High Mids frequency: 2 - 4 kHz
🟦	**PRESENCE**	Range of the Presence frequency: 4 - 6 kHz
🟪	**BRILLIANCE**	Range of the Brilliance frequency: 6 - 16 kHz
⬜	**WIDE MIDS**	Default value from MidBooster v.1.0: Range of the Wide frequency: 400 Hz - 7.5 kHz

REAR PANEL

AUDIO INPUT/OUTPUT:
Mono or Stereo connections for audio signals.

CV INPUTS
Use these CV inputs to control the main parameters by external CV source curves

BAND / FREQ Table

BAND	SUB	BASS	LOW MID	MIDS	HI MID	PRES	BRILLNCE	WIDE MIDS
FREQ	40..60	60..250	250..500	500..2kHz	2..4 kHz	4..6 kHz	6..16 kHz	400..7.5 kHz

MID**BOOSTER**

PARAMETRIC MID FREQUENCY BOOSTER

ReasonStudios Add-on Shop

Thanks to all beta-testers,

Special thanks to

- **MrFigg (Cameron Jeffrey): Beta testing / Manual editions**
- **Philip Meadows (Despondo): text fixes**

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Rack Extension Developer

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support@turn2on.com

✂ -

Thank you very much for supporting us by choosing our products.

This allows us to develop future interesting and creative effects / utilities / instruments in the Rack Extension format.

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