Audile

MIDTOWN

DUAL MID FREQUENCY EQUALIZER

OWNER'S MANUAL

CONTENTS

Thank you for purchasing the MIDTOWN Dual Mid Frequency Equalizer, by Audile.

MIDTOWN is made in Australia and has been designed for maximum reliability and long service life. Please be sure to follow the instructions in this manual to get the best out of your new equipment.

If you require assistance at any stage, please contact your Audile Authorised Dealer.

WHAT IS MIDTOWN?

MIDTOWN is a dual-band equalizer designed for precise control over mid-range frequencies. The High Mid EQ section offers a bandpass EQ with a centre frequency adjustable from 1.5 kHz to 12 kHz. The Low Mid EQ section provides a bandpass or shelving EQ with a centre frequency range of 100 Hz to 800 Hz. Both bands offer a +/-12 dB cut/boost range via their respective level controls.

The Low Mid EQ section offers both bandpass and shelving equalization curves via the PEAK/SHELF switch. The PEAK setting delivers focused frequency manipulation, while the SHELF setting enables broad, tonal shaping of the lower mid-range spectrum.

The MASTER level control provides +/-10 dB of overall output level adjustment, applied post-EQ. For direct connection to professional audio systems, an optional XLR adapter enables a balanced output.

The **MIDTOWN** pedal's extended high-frequency range makes it particularly well-suited for acoustic guitarists seeking enhanced clarity and brilliance. For bass guitar applications, the precise frequency control can be used to manage unwanted boominess. A Low Mid Shelf EQ setting produces significant warmth and depth from any instrument's tone.

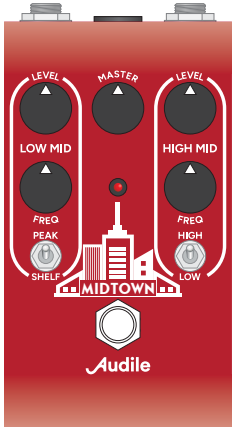
Position in the effects pedal chain will be determined by how **MIDTOWN** will be used. Early in the chain will allow you to finetune the mid frequency contour of your guitar's tone before it hits any gain or distortion effects. Alternatively, placing **MIDTOWN** last provides a final mid tone equalisation before the signal enters the amplifier or mixing deck. When used in this way, the MASTER level control can be used to adjust the final output level to sit perfectly in the mix.

MIDTOWN ILLUSTRATION

LOW MID FREQ
Sets the centre frequency of the Low Mid EQ.

LOW MID LEVEL
Low Mid Boost or Cut. Centre position is neutral.

PEAK / SHELF
Sets Low Mid EQ to follow a bandpass curve (PEAK) or a shelving curve (SHELF).



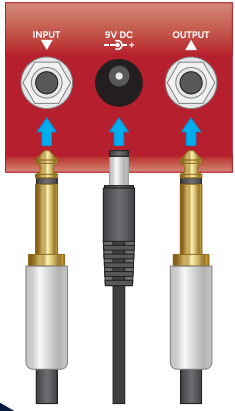
HIGH MID FREQ
Sets the centre frequency of the High Mid EQ.

HIGH MID LEVEL
High Mid Boost or Cut. Centre position is neutral.

HIGH / LOW
Sets top end of High Mid to 12kHz or 6KHz.

MASTER
Adjusts the Boost or Cut level after applying EQ. Centre position is neutral.

POWER AND AUDIO CONNECTIONS



9V DC . . . . . Power in, 9 V DC, Negative Tip. **MIDTOWN** draws a maximum of 15mA.

INPUT . . . . . Audio input from guitar or previous pedal in chain.

OUTPUT . . . Audio output to amplifier or next pedal in chain.

HIGH MID LEVEL

The **HIGH MID LEVEL** control adjusts the cut or boost level of a range of high mid frequencies, with the centre frequency being set by the **HIGH MID FREQ** control. The centre position is neutral. Fully clockwise boosts level by 12dB. Fully counter-clockwise cuts level by 12dB.

HIGH MID FREQ

This sets the centre frequency of the High Mids EQ from 1500 Hz to 12 KHz with the **HIGH / LOW** switch set to **HIGH**, or 1500 Hz to 6 KHz with the **HIGH / LOW** switch set to **LOW**. The High Mids EQ is a bandpass type.

HIGH / LOW SWITCH

Sets the range of the HIGH MID frequency control, as detailed above.

- Set to **HIGH** for 6 and 12 string acoustic guitar, mandolin and other instruments with high frequency response.
- Set to **LOW** for electric guitar and bass.

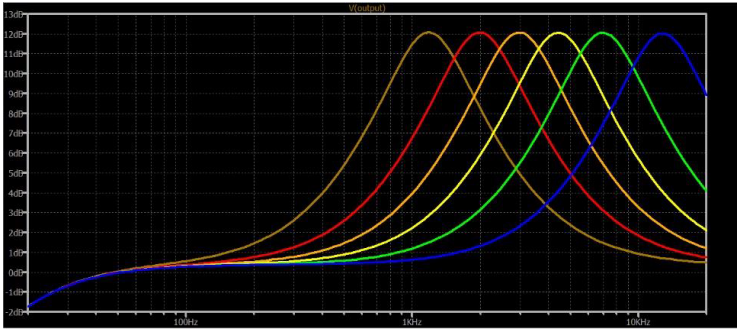
We encourage you to experiment with this switch setting to achieve your own signature tone.

Graphs showing different frequencies with 12 dB cut and boost are shown on the next page, with different frequencies being represented by different colours. The graphs are with the **HIGH / LOW** switch set to **HIGH**.

MIDTOWN CONTROLS

Graphs showing different frequencies with 12 dB cut and boost are shown below, with different frequencies being represented by different colours. The graphs are with the **HIGH / LOW** switch set to **HIGH**, for the full 1500 Hz to 12 KHz range.

High Mid EQ with 12dB Boost - various frequencies:



High Mid EQ with 12dB Cut - various frequencies:

LOW MID LEVEL

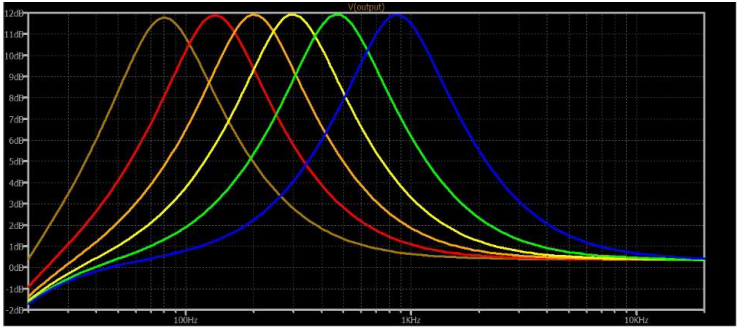
The **LOW MID LEVEL** control adjusts the cut or boost level of a range of low mid frequencies, with the centre frequency being set by the **LOW MID FREQ** control. The centre position is neutral. Fully clockwise boosts level by 12dB. Fully counter-clockwise cuts level by 12dB.

LOW MID FREQ

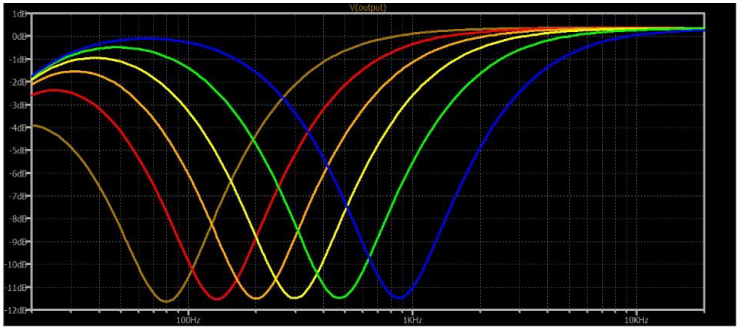
This sets the centre frequency of the Low Mids EQ from 100 Hz to 800 Hz. The High Mids EQ can be selected as a bandpass type or as a shelving type with the **PEAK / SHELF** switch.

Graphs showing different frequencies with 12 dB cut and boost are shown below, with different frequencies being represented by different colours. The **PEAK / SHELF** switch is set to **PEAK**.

High Mid EQ with 12dB Boost - various frequencies:



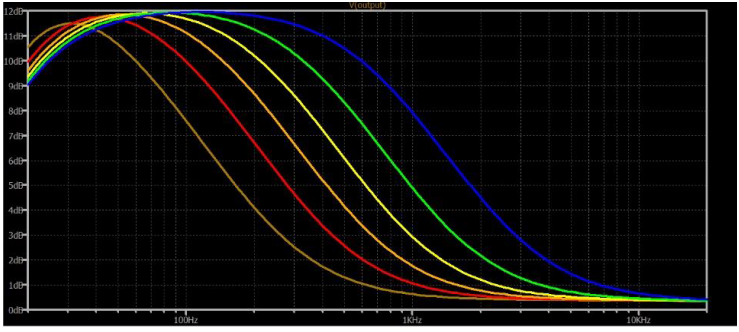
High Mid EQ with 12dB Cut - various frequencies:



PEAK / SHELF SWITCH

This selects the option to have the Low Mids EQ follow either a bandpass curve in the **PEAK** (Low Frequency Peaking) position, or a shelving curve in the **SHELF** (Low Frequency Shelving) position. Graphs showing different frequencies with 12 dB cut and boost with **PEAK** / **SHELF** switch in **SHELF** position are shown below, with different frequencies being represented by different colours.

Low Mid Shelving with 12 dB Boost – various frequencies:



Low Mid Shelving with 12 dB Cut – various frequencies:

MASTER

The centre position is neutral. Clockwise boosts level up to 10dB over all frequencies. Counter-clockwise cuts level up to 10dB over all frequencies. Used for overall level adjustment after applying EQ.

WARRANTY

Avant Technik Pty Ltd ("Avant Technik") guarantees the **MIDTOWN Dual Mid Frequency Equalizer** effect pedal to be free from defects in material and workmanship when subjected to normal use and service. This is a 2 year limited warranty, whereby the faulty device is returned to Avant Technik, or Authorised Dealer, freight prepaid within two years from the date of purchase. The faulty device will be repaired and returned, free of charge.

There are no expressed or implied warranties which extend beyond the face hereof, and Avant Technik is not liable for any incidental or consequential damages arising from the use or misuse of this product. This limited warranty does not apply to any injury, loss, damage, defect or malfunction of the product or failure to function resulting from any failure to operate the product in accordance with the directions contained in the operating instructions, failure to function resulting from any accidents, acts of God, tampering, abuse, acts, omissions, or negligence by anyone other than Avant Technik.

This limited warranty shall apply only to the Customer as an original purchaser. It is the customer's responsibility to follow safety regulations and laws regarding electrical connections. Shipping damage is not covered by this warranty.

No claims will be recognised without the proof of purchase. This warranty becomes invalid if damaged is caused by an unauthorised person or persons attempting modifications or repairs.

Any dispute between customer and Avant Technik must be conducted in Queensland, Australia.

CONTACT US

To Each Their Own Tone

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MADE IN AUSTRALIA