



EQ6T

6-BAND EQUALIZER

[RACK EXTENSION]
MANUAL



FX device by Turn2on Software



EQ6T was inspired by the well-known blue EQ and designed with some changes which assist shaping of the EQ bands. **EQ6T** provides unparalleled transparency and top-end presence, preserving the natural sound of the signal. The EQ works with minimal phase shift, and the ATMO Band interacts with the other bands.

The **EQ6T**'s band passes all interact with each other.

The summing of the band passes and the ATMO band is central to the design and is what ensures the integrity of the sound. If you turn five bandpass knobs to an equal position, the EQ6 will retain the same EQ shape and just change level.

Blend in the shiny highs of the ATMO Band to your original signal and hear your signal open up from this band.

The history of the original hardware EQ from Cliff Maag© (as most of the musical equalizers ever made) started in 1993 with the introduction of the "AIR BAND"™ to the audio world in the EQ3. Later, with the release of the EQ4, this magical EQ gained more power, headroom, and control.

Turn2on's "**EQ6T**" Rack Extension is a versatile and powerful take on la egendary piece of hardware (with own EQ curve characteristics, but also include the emualtion of the original hardware device in special **TAAG** mode). It retains the basic functionality with some changes and additions of band shapers, with level trim control of the output signal. With **EQ6T**, you can use clear control to preserve the natural sound of the signal

Try the **EQ6T** 6-Band Equalizer as part of your Reason Rack today.



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EQ6T 6 BAND EQUALIZER CONTROL

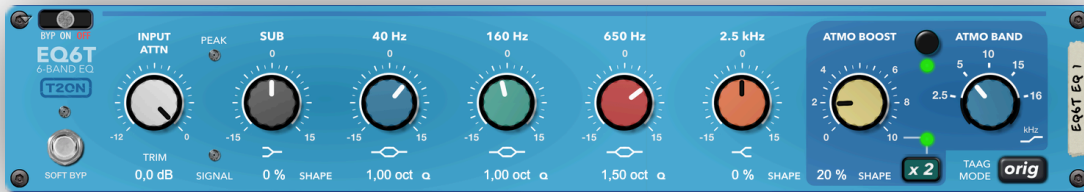


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|--------------------------------------|---|----------------------|------------------------|------------------------------|------------------------|--------------------|--------------------|----------------|
| SOFT BYPASS | INP. TRIM | PEAK / SIGNAL | LO-SHELF SHAPER | Q (BANDWIDTH CONTROL) | HI-SHELF SHAPER | ATMO SHAPER | BOOST TWICE | EQ MODE |
| ATTENUATOR | Input Attenuator (-12 ... 0 dB) | | | | | | | |
| LEVEL TRIM | Level adjustment to compensate for changes in gain (-12 dB) | | | | | | | |
| PEAK LED SIGNAL LED | The RED LED starts to illuminate when the output signal reaches 20 dB The GREEN LED indicates audio signal activity. | | | | | | | |
| SUB BAND LEVEL / SHAPE | The knob controls the boost or cut shelf of ultra-low frequencies (-15.. + 15 dB). The SHAPE value sets the shape of a low-shelf. Baxandall (at 0%). Values above 50% add a notch. | | | | | | | |
| 40 Hz BAND LEVEL / Q | The boost or cut bell of the 40 Hz band (-15.. + 15 dB) is controlled by this knob. Makes the bass more smooth and the bass drums larger. Q knob controls the 40 Hz band bandwidth | | | | | | | |
| 160 Hz BAND LEVEL / Q | The boost or cut bell of the 160 Hz band (-15.. + 15 dB) is controlled by this knob. Help with bass or bass drum punch through mixes in pop or rock mixes. Q knob controls the 160 Hz band bandwidth | | | | | | | |
| 650 Hz BAND LEVEL / Q | The knob controls the 650 Hz band's boost or cut bell (-15..+ 15 dB). Make vocal tracks more understandable or more indirect. Add some power to the mix. The Q knob controls the 650 Hz band bandwidth | | | | | | | |
| 2.5 kHz BAND LEVEL / SHAPE | The knob controls the boost or cut shelf of high frequencies (-15.. + 15 dB). important band for vocal bite control.aggression of electric guitar, or the midrange in general for mixes. The SHAPE value sets the shape of a high-shelf. Baxandall (at 0%). Values above 50% add a notch. | | | | | | | |
| ATMO BAND BOOST | The knob controls the shelf boost of high frequencies (0.. + 10 dB). | | | | | | | |
| ATMO BAND FREQUENCY | Set the shelf boost frequency. By default, shelf-boost works at 2.5 kHz, 5 kHz, 10 kHz, 15 kHz or 16 kHz. If TAAG EQ Curve is on, shelf-boost works as hardware device at 2.5 kHz, 5 kHz, 10 kHz, 20 khz, 40 kHz. | | | | | | | |
| BOOST TWICE | Increasing Atmo Band Boost range from 0..+10 dB, to 0..+20 dB. * Available in ORIG EQ curve mode | | | | | | | |
| ATMO SHAPER | The SHAPE value sets the shape of a high-shelf. Baxandall (at 0%). Values above 50% add a notch | | | | | | | |
| ATMO BAND ENABLE | Engages and disengages the ATMO band | | | | | | | |
| ATMO EQ CURVE | Switching between EQ curve modes. By default, works as High-Shelf band with own EQ curve characteristics (ORIG EQ mode). More modes: "ATM mk1", "ATM mk2" & "TAAG" EQ Curve | | | | | | | |
| ENABLE BYP/ON/OFF | BYPASS - disable effect / ON - enable effect / OFF - mute incoming signal | | | | | | | |
| BYPASS | Soft Bypass with smoothed fade in/out functionality | | | | | | | |

EQ6T drew inspiration from the renowned blue EQ4 device but was crafted with our own alterations. We've introduced several EQ modes, including:

- **Turn2on Original** EQ mode
- **Atmo (mk1, mk2)** EQ mode
- **TAAG** EQ mode

To understand how these modes operate, please familiarize yourself with their functionalities.



ORIGINAL EQ MODE

ORIGINAL: Main and default EQ mode by Turn2on. This is a clean and transparent 6-band equalizer featuring Low and High Shelving bands, three Bell bands, and an additional ATMO band.

* *Twice Band Boost (X2)* is exclusively available in this mode.



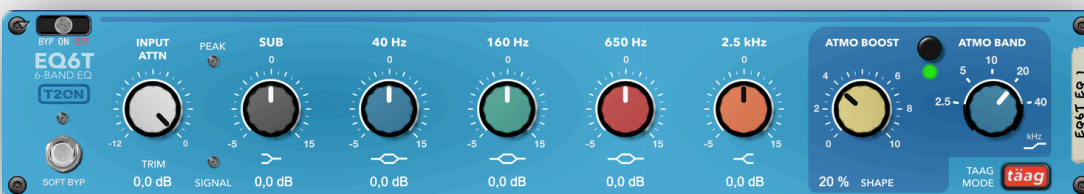
ATMO EQ MODE

ATMO (mkl): An EQ mode tailored to support EQ6T v.1.0. Use it for older projects based on v. 1.0. The improved version is ATMO (mkII). mkl has an incorrect frequency response.

This is a clean and transparent 6-band equalizer with Low and High Shelving bands, three Bell bands, and an additional ATMO band replicating the original "AirBand". All other bands function as in the ORIGINAL EQ Mode.

ATMO (mkII): An enhanced EQ mode. Designed for EQ6T Original mode, featuring the ATMO band replicating the original "AirBand". Frequency response has been improved.

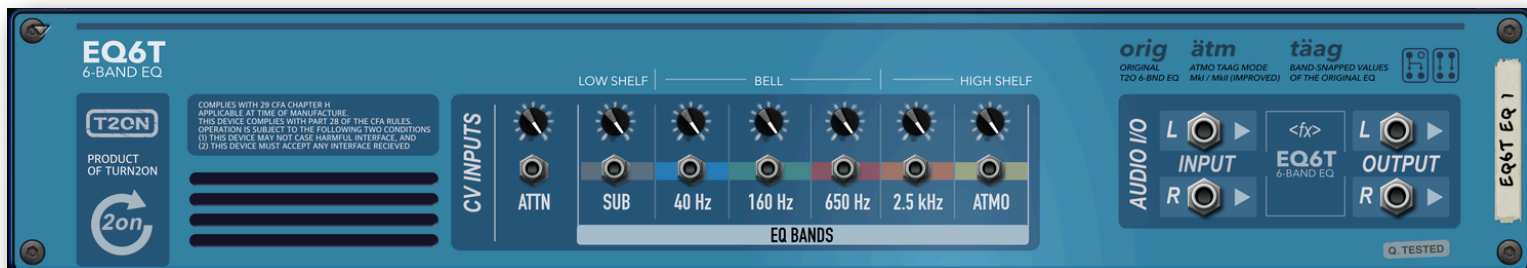
This is a clean and transparent 6-band equalizer with Low and High Shelving bands, three Bell bands, and an additional ATMO band replicating the original "AirBand". All other bands function as in the ORIGINAL EQ Mode.



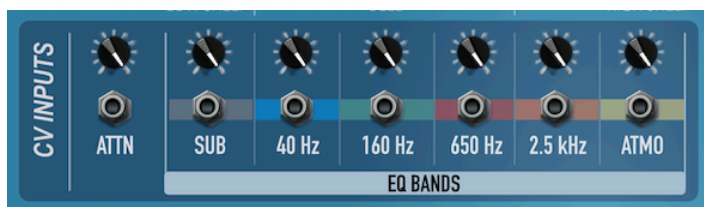
TAAG EQ MODE

TAAG: An EQ mode tailored for the hardware EQ4 from MAAG. This is a 6-band equalizer featuring Low and High Shelving bands, three Bell bands, and an additional ATMO band (AirBand). All bands have band-snapped values mirroring those of the original hardware EQ.

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

**SIGNAL ROUTING ICONS**

This is a true stereo device

**EQ BAND MODES**

Description of modes



EQ6T

6-BAND EQUALIZER

 Reason Studios Add-on Shop



Turn2on

Rack Extension Developer

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Thanks to all beta-testers,

Special thanks to

- Challis McAfee (Challism)
- MrFigg (Cameron Jeffrey)
- Philip Meadows (Despondo)



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