

Buzz Audio REQ-2.2

产品名称	Buzz Audio REQ-2.2
公司名称	北京麦田中旺数码科技有限公司
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产品详情

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the buzz audio req is not a fully passive equalizer as such - each band has an amplifier associated with it and this approach ensure there is no interaction between bands. parallel resonant chokes and capacitors form the frequency selective part of each band and these are coupled into the amplifier stage via the boost/cut control. in order to keep the signal path as short as possible, each band includes an in/out switch completely removing it from the chain if not required.

many other equalizers using passive filters have limited center frequency choices, but the req boasts 72 different frequencies split over four bands per channel. the high and low bands can be switched to bell or shelving mode and the two bell mid bands have two center frequency ranges. each band has a bandwidth (q) control and if the high or low bands are switched shelf mode, this control reverts to a shelf "slope" control. in addition a passive high pass filter and a variable "saturation" module are provided. the saturation module converts the req into a more "vintage" sounding unit by adding harmonics to the signal via the use of a steel audio transformer driven by a "single ended" old style class a amplifier (see distortion specs below). the low frequency response is also altered by the saturation control, depending on the position of this switch.

the req is available in two versions, a recording (standard) version with +/-15db continuously variable boost/cut and a precision mastering version with 23 position stepped +/-8db boost/cut with 0.5 and 1db steps. all other controls on both versions are switched for repeatability. the high pass filter of the mastering version offers smaller steps and varying filter slopes to that on the recording version.

taking a look inside the req chassis you will discover a very high level of engineering and build quality with single point power supply wiring, discrete power regulators for each band, reliable itt rotary switches and alps rotary boost/cut pots

(or elma stepped attenuators in the mastering version) - the list goes on and on. click on the images above to see inside the resonance equalizer and discover for yourself why this product is truly unique!

applications: • tracking and stereo mix bus equalization • audio mastering and restoration • post production sound shaping

features: • no other equalizer like it in the world • fully discrete hi-bias wide bandwidth differential class a amplifiers • real choke and capacitor resonant circuits that sound fantastic • 72 frequency choices per channel • individual discrete power supply regulators for each eq band • large easy to adjust knobs • high quality long life switches and potentiometers • modular internal construction for easy future servicing • mastering and recording versions • unique transformer saturation module • overall and individual band bypass switches • high-end balanced input and output amplifiers • input connectors with loop through • two output connectors on each channel • rugged chassis construction specifications:

frequency response measured with all eq bands on set flat, saturation and hpf off 5hz to 125khz +0.2/-3db

harmonic distortion at +10dbu, saturation off 100hz 0.007%...1khz 0.004%...10khz 0.007%...100khz 0.013%
saturation on pos-1 20hz 1.5%...100hz 0.07%...1khz and up 0.01% saturation on pos-2 20hz 1.5%...100hz
0.14%...1khz and up 0.01% saturation on pos-3 20hz 1.5%...100hz 0.16%...1khz and up 0.01% saturation on
pos-4 20hz 1.6%...100hz 0.17%...1khz and up 0.01% saturation on pos-5 20hz 1.7%...100hz 0.18%...1khz and up
0.01% saturation on pos-6 20hz 2.0%...100hz 0.22%...1khz and up 0.01%

maximum input level +25dbu

input impedance approx 20k ohms

maximum output level +32dbu balanced...+26dbu unbalanced

output impedance approx 70 ohms

input common mode rejection (ref 0dbu) 100hz -65db...1khz -65db...10khz -60db

noise all bands on set flat -110db below max input level a weighted