

NG-440

QUAD

NOISE GATE



The Altair NG-440 incorporates in a compact unit, four identical full-featured Noise Gate sections. The device consists basically in an open-close switch activated by a user selectable Threshold level. Both open-close transition and background noises in SHUT state are optimised to guarantee a transparent click-free operation for High End Professional Audio applications.



Stereo switches between Sections 1-2 and Sections 3-4 adapts the unit to Quad, Dual/Stereo or mixed program materials by tracking gate timing and Gain Reduction parameters from both channels at a time, from CH-1 panel controls only. This ensures that both gates are opened and closed simultaneously avoiding Stereo Image loss.

Dedicated filters are provided to Trigger the gate, only by the desired instrument avoiding false gating. Test monitoring of the filtered signal is available to set-up the gate effect by ear. Front panel Attack and Release time parameters are included for optimal sound reconstruction or for special effects creations. Background stage noises are easily removed enhancing instrument control and mixing operation.

Spatial image of the sounds becomes more noticeable. Applications include sound reinforcement, drum or vocal gating, studio mic processing and effectively, noise reduction for almost any audio signal path, by way of expanding the dynamic range.

Ease of operation, compact size, and full specs converge in the Altair NG-440 to make it a new member of your effects processing rack.

- Four Noise Gate sections for operation as Quad/Dual-Stereo or mixed modes.
- Large gate activity Led's and Gain Reduction Bargraphs.
- State of the art VCA's for superb, no compromise sound transparency.
- HPF & LPF side chain filters/Monitor switches for precise gating.
- Fast and Automatic Attack times selection.
- All four sections incorporate By-Pass switches for easy Operation.
- Balanced Inputs/Outputs by XLR and 1/4" JACK
- Universal Power Supply Voltage selection.



TECHNICAL SPECIFICATIONS

- INPUTS:**
- 20 K Ω Electronically balanced, 0 dBu nominal, +24 dBu maximum.
 - XLR and JACK 1/4"
- OUTPUTS:**
- Bal. Floating 100 Ω , 0 dBu nominal, Max Vin +24 dB.
 - XLR and JACK 1/4"
- FREQUENCY RESPONSE:**
- 20 Hz - 40 KHz (+0, -0.5 dB).
- DISTORTION:**
- THD+N < 0,03% @ 0 dBu (20 Hz - 20 KHz).
 - IMD < 0,03% @ 0 dBu (20 Hz - 20 KHz).
 - Better than 80 dB (20 Hz - 20 KHz).
- INTERCHANNEL CROSSTALK:**
- Better than 60 dB (20 Hz - 10 KHz).
- C.M.R.R.:**
- Better than -96 dBu, (20 Hz-20 KHz), unweighted. Unity gain. Gate in By-pass.
- OUTPUT NOISE:**
- Better than -98 dBu, (20 Hz-20 KHz), unweighted. Unity gain. Gate in SHUT

	state.
DETECTOR FILTERS:	<ul style="list-style-type: none"> ● HPF: 30Hz - 4KHz ● LPF: 200Hz - 20Khz
THRESHOLD:	● Variable from -50 dBu to +20 dBu.
ATTACK TIME:	<ul style="list-style-type: none"> ● AUTO mode: Program dependent. ● FAST mode: T < 100 uS.
RELEASE TIME:	● Variable from 10ms to 2sec.
RANGE:	● Shut state attenuation 80dB/20dB.
MAINS SUPPLY:	● User selectable 115/230 VAC ±12%, 50-60 Hz.
POWER REQUIREMENTS:	● 20 V.A.
DIMENSIONS:	● 483x44x160 mm. (19" x 1u).
OPTIONS:	● Plastic or metal (key protected) security cover.

*Technical specifications subjecto to variation without previous notice.