

CN-220

DUAL/STEREO

COMPRESSOR/NOISE GATE



The Altair CN-220 incorporates in a compact unit, a Dual Compressor-Limiter with a full-featured Noise Gate front end.

Dedicated filters are provided in the Gate section 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. Front panel Attack and Release time parameters are provided for optimal sound reconstruction or special effects creations. Background stage noises are easily removed without signal degradation, enhancing instrument control and mixing operation.

Special attention has been taken to provide the professionals with a general purpose device. Specs such as +24 dBu (max) Input/Output level operation and extremely low output noise guarantee a broad range of audio industry applications. Additional features include a Band Compressor mode with adjustable frequency selection to achieve a variety of effects as De-Essing, Vocal Stopping, Drum Levelling, etc by compressing only the desired band without altering the whole audio spectrum. Electric Bass guitar sounds, for example, become more natural as the harmonic contents are unaltered when "Slap Bass" playing.

- Dual/Stereo Compressor+Noise Gate+Band Compressor/De-Esser.
- Large Gate activity indicators and Gain Reduction Bargraphs.
- Wide angle 12 LEDs output level indicators.
- State of the art VCA's for superb, no compromise sound transparency.
- HPF & LPF side chain filters/Monitor switches for precise gating.
- Program dependent automatic compression time constants.
- All four sections incorporate By-Pass switches for ease of operation.
- Balanced Inputs/Outputs by XLR and 1/4" JACKS.
- Universal Power Supply Voltage selection.

Full specs, full features take the Altair CN-220 a step further in Audio Dynamic Processing.



CN-220



Dual/Stereo Compressor/Noise gate

TECHNICAL SPECIFICATIONS

INPUTS

Electronically Balanced by XLR/ 1/4" JACK
Impedance/Level: 20 KW, 0 dBu nom., Max Vin +24 dBu

OUTPUTS

Electronically Balanced and Floating by XLR/ 1/4" JACK
Impedance/Level: 100 Ω , 0dBu nom., Max Vout +24 dBu

SIDE CHAIN IN/OUT

Unbalanced by 1/4" JACK. Max Vin/out +21 dBu

FREQUENCY RESPONSE

20Hz-40Khz (+0, -0.5 dB)

DISTORTION

THD+N < 0,03% @ 0 dBu (20 Hz-20Khz) no compression
< 0,05% @ 0 dBu (1Khz) @ 20 dB compression
IMD < 0,03% @ 0 dBu (20 Hz-20Khz) no compression

INTERCHANNEL CROSSTALK

Better than 80 dB (20 Hz-20Khz)

C.M.R.R.

Better than 60 dB (20 Hz-10Khz)

OUTPUT NOISE

Better than -96 dBu U/W. Unity gain, Gate section in By-Pass
Better than -98 dBu U/W. Unity gain, Gate section in SHUT state

OUTPUT GAIN

Variable from -15 dB to +15 dB. Detent position at 0 dB

GATE SECTION

Detector Filters: HPF 30-4KHz, LPF: 200-20 KHz

Threshold: Variable from -50 dBu to +20 dBu

Attack Time:

(AUTO Mode) Program Dependent
(FAST Mode) T < 100 μ S

Release Time: Variable from 10ms to 2sec

Range: SHUT state attenuation 80dB/20dB

COMPRESSOR SECTION

Threshold: Variable from -40 dBu to +20 dBu

TH transition: "Soft Knee" type contour

Attack/Release times: Automatic: Program content dependent

Ratio: Variable from 1:1 (no compression) to $\infty=1$ (limiter)
Band Compressor: Variable from 80 Hz to 10 KHz

MAINS SUPPLY

User selectable 115/230VAC \pm 12%, 50-60 Hz./20VA

DIMENSIONS

483x44x160 mm. (19" x 1u)

OPTIONAL ACCESSORIES

Plastic or metal (key protected) security covers

Technical specifications subject to variation without previous notice.

DISTRIBUTED BY



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