



KLARK TEKNIK
SIGNAL PROCESSING BY DEFINITION

DN500 *Plus* Series

Now featuring "THAT" Corporation's latest and most advanced VCA technology delivering:

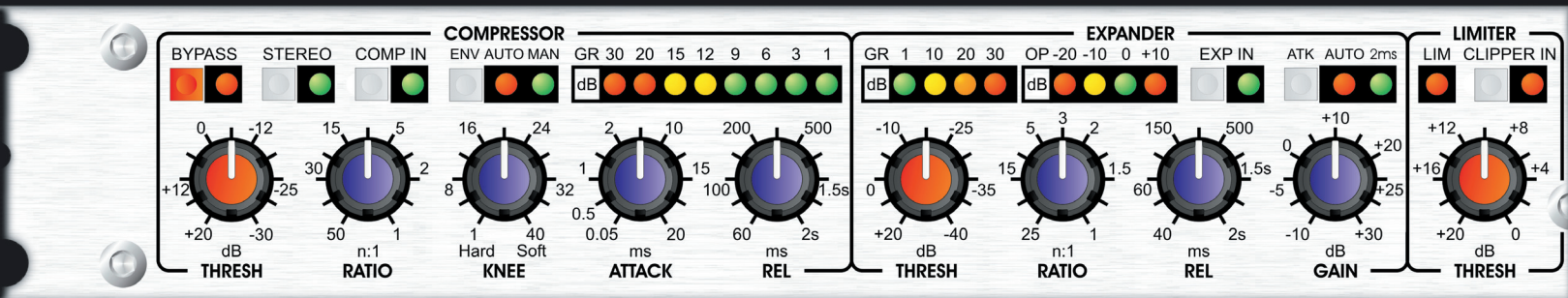
The most advanced integrated VCA solution in the world
Significantly improved slew rates
Lower high frequency distortion
Greater dynamic range

Experienced listeners have expressed:

Better definition
Improved sense of space



The DN504 Plus packs four fully featured compressors into just 1RU and boasts audio performance equal to its super quiet stablemate the DN500 Plus.



The DN500 Plus dual compressor provides two channels of full function compression, expansion, limiting and peak clipping in 1RU.



The DN514 Plus will continue the DN514's status as the industry standard for multi channel frequency conscious gate for live and recording applications.

Audio Inputs
Type Electronically balanced (pin 3 hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Side Chain Inputs

Type Electronically balanced (tip hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Audio Outputs

Type Unbalanced (pin 3 hot)
Min. Load impedance 600 Ω
Source impedance <60 Ω
Max. level +21dBu

Performance

Frequency response (20Hz-20kHz)
 ± 0.5 dB
Distortion (THD+N) <0.03% @ 1kHz, +4dBu
Equivalent input noise <-94dBu
(20Hz-20kHz unweighted)

Compressor

Threshold -30dBu to +20dBu
Ratio 1:1 to 50:1
Knee 1dB (Hard) to 40dB (soft)
Envelope Switchable auto (attack and release controls disabled) or manual
Attack (90% capture) 50 μ s to 20ms
Release (90% recovery) 60ms to 2 secs

Expander

Threshold -40dBu to +20dBu
Ratio 1:1 to 25:1
Attack Switchable auto or fixed (2ms)
Release (90% recovery) 40ms to 2 secs
Output Gain -10dB to +30dB

Limited/Clipper

Threshold 0dBu to +20dBu

Terminations

Audio inputs/outputs 3 pin XLR
Side-Chain inputs Normalled 1/4 inch stereo jack
Power IEC

Power Requirements

Voltage 110/120/220/240V 50/60Hz
Consumption <30VA

Dimensions

Height 44.5mm (1.75 inch) - (1U)
Width 482mm (19 inch)
Depth 292mm (11.5 inch)

Weight

Nett 5kg 11.02lb
Shipping 6kg 13.22lb

Audio Inputs
Type Electronically balanced (pin 3 hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Side Chain Inputs

Type Electronically balanced (tip hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Audio Outputs

Type Unbalanced (pin 3 hot)
Min. Load impedance 600 Ω
Source impedance <60 Ω
Max. Level +21dBu

Performance

Frequency response (20Hz-20kHz)
 ± 0.5 dB
Distortion (THD+N) <0.03% @ 1kHz, +4dBu
Equivalent input noise <-94dBu
(20Hz-20kHz unweighted)

Channel separation >90dB @ 1kHz

Compressor

Threshold -30dBu to +20dBu
Ratio 1:1 to 50:1
Knee Switchable 1dB (hard) / 40dB (soft)
Envelope Switchable auto (attack and release controls disabled) or manual
Attack (90% capture) 50 μ s to 20ms
Release (90% recovery) 60ms to 2 secs
Output gain -10dB to +30dB

Terminations

Audio inputs/outputs 3 pin XLR
Side-chain inputs Normalled 1/4 inch stereo jack
Power IEC

Power Requirements

Voltage 110/120/220/240V 50/60Hz
Consumption <30VA

Dimensions

Height 44.5mm (1.75 inch) - (1U)
Width 482mm (19 inch)
Depth 292mm (11.5 inch)

Weight

Nett 5kg 11.02lb
Shipping 6kg 13.22lb

Audio Inputs
Type Electronically balanced (pin 3 hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Key Inputs

Type Electronically balanced (tip hot)
Impedance (Ω)
Balanced 20k
Unbalanced 10k

Audio Outputs

Type Unbalanced (pin 3 hot)
Min. Load impedance 600 Ω
Source impedance <60 Ω
Max. level +21dBu

Performance

Frequency response (20Hz-20kHz)
 ± 0.5 dB
Distortion (THD+N) <0.03% @ 1kHz, +4dBu
Equivalent input noise Gate open <-94dBu
Gate closed <-100dBu
(20Hz-20kHz unweighted)

Attack programme related, semi-automatic

Hold/Release Variable 40ms to 2sec
Threshold Variable -40dBu to +20dBu
Attenuation >84dB Gate closed

Key Filters

High pass filter 20Hz-5kHz/12dB octave
Low pass filter 80Hz-20kHz/12dB octave

Terminations

Audio inputs/outputs 3 pin XLR
Key inputs Normalled 1/4 inch stereo jack
Power IEC

Power Requirements

Voltage 110/120/220/240V 50/60Hz
Consumption <30VA

Dimensions

Height 44.5mm (1.75 inch) - (1U)
Width 482mm (19 inch)
Depth 292mm (11.5 inch)

Weight

Nett 5kg 11.02lb
Shipping 6kg 13.22lb

Options

Security cover
Transformer input / output balancing