

Compressors/Limiters

76-KT

Classic FET-Style Compressor with
Class-A Line Level Amplifier and
MIDAS Transformers



- Classic FET-style compressor modeled after iconic 1176LN*, D and E Revisions
- Completely discrete signal path
- Class-A line-level output amplifier
- Custom-built, MIDAS input and output transformers
- Push button selection of compression ratios: 4:1, 8:1, 12:1, 20:1
- Ultra-fast attack time: 20 to 800 microseconds
- Adjustable release time: 80 to 700 milliseconds
- Vintage-style meter features gain reduction and output
- Transformer balanced inputs and outputs on Neutrik* XLR connectors
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply
- 3-Year Warranty Program*
- Designed and engineered in the U.K.

Designed as an homage to the classic 1176LN, every effort was made to keep the 76-KT FET-Style Compressor true to the original D and E versions of the iconic signal processor. At the same time, we modernised the completely discrete signal path using hand-selected components and custom-engineered MIDAS input and output transformers – for the ultimate in pristine sonic performance.



MIDAS - The Legend in Sound Quality

Ever since its formation in the 1970s, MIDAS has had a long history of innovation and leadership in the world of audio mixing consoles. Employed by the most famous touring acts and installations worldwide, legendary MIDAS consoles such as the XL4 and Heritage H3000 quickly became industry standards.

MIDAS has earned their impeccable reputation due to their no-compromise approach for audio and build-quality and in particular for their Award-winning Mic Preamps, which are considered by industry experts as the industry's best sounding designs. Building on this legacy, the XL8 and PRO Series of Live Mixing Systems

continue this great heritage of Award-winning audio quality.

KLARK TEKNIK is proud to incorporate MIDAS designed input and output transformers for the ultimate in high-quality audio reproduction in both live and studio environments. Find out more about MIDAS' amazing legacy by visiting their extensive website.

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Sublimely Easy to Operate

The compression ratio is selected by pushing any, or all, of the Ratio buttons located to the left of VU meter. Ratios available are: 4:1 for moderate compression; 8:1 for severe compression; 12:1 ratio for mild limiting; and 20:1 for hard limiting. Using the "All-Button" mode can be especially effective when applied to drums, bass, guitar, and room mics – or for more aggressive "in your face" vocals.



Attack & Release

76-KT's Attack knob adjusts the amount of time it takes the compressor to respond to audio that exceeds the threshold. The response time is slower at the fully counterclockwise position and faster when turned clockwise. The Release knob adjusts how long the compressor remains engaged after the incoming audio falls below the threshold. The response time is also slower at the fully counterclockwise position and faster when adjusted clockwise.

Vintage Style VU Meter

In keeping with the design of the original processor, the 76-KT features an illuminated, vintage-style VU meter for visual confirmation of gain reduction (GR) and output levels. A meter reading of 0 corresponds to an output level of +4, +6 or +8 dBm, depending on which button is engaged.



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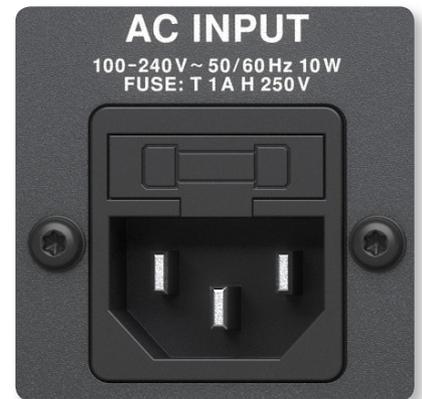


Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the 76-KT is designed for the rigours of live concert touring. Premium Neutrik XLR connectors are used to ensure reliable audio connections, night after night.

Auto-Ranging Universal Switch-Mode Power Supply

76-KT features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.



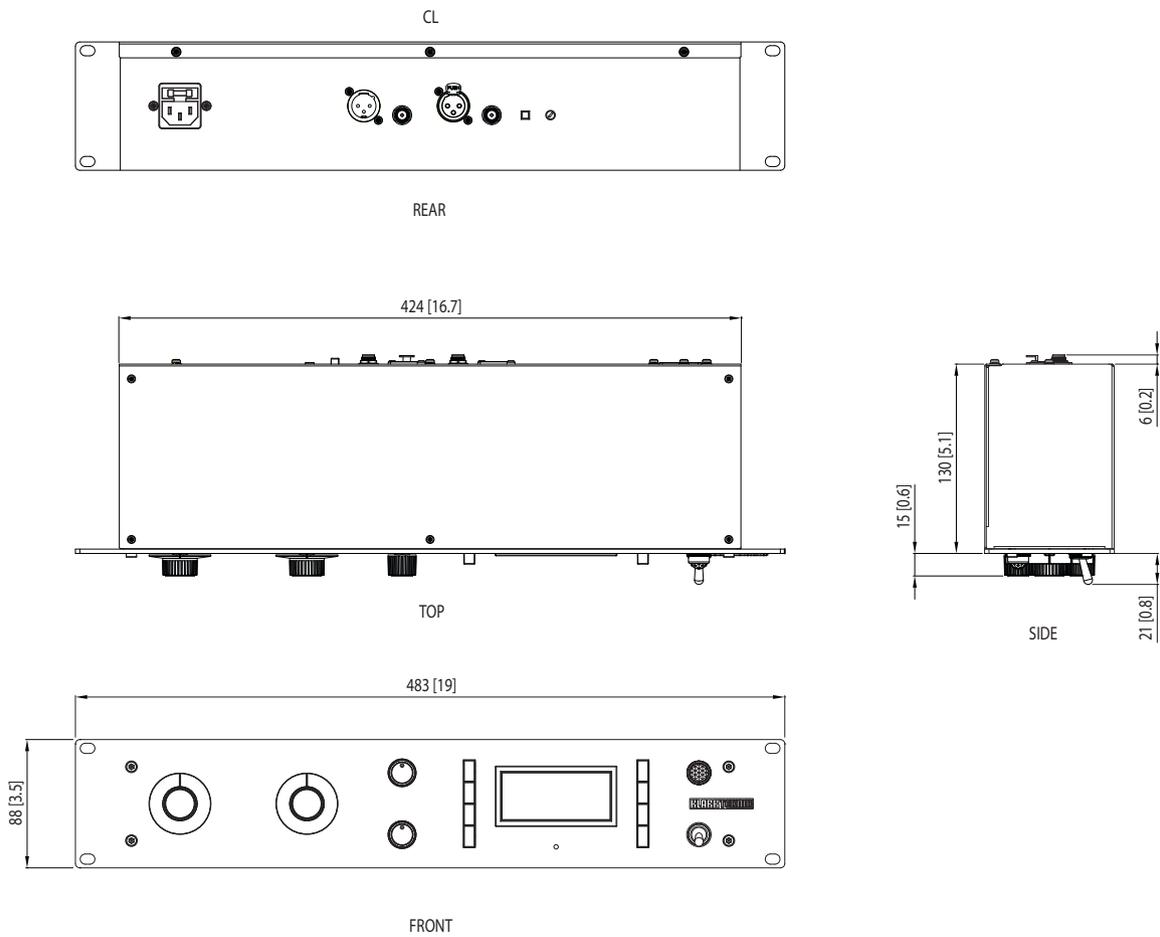
You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).

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Dimensions



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Technical Specifications

Audio Input

Type	XLR, ¼" TRS, transformer balanced
Impedance	>600 Ω, balanced and unbalanced
Max. input level	+30 dBu
Pad switch	-20 dB typical

Audio Output

Type	XLR, ¼" TRS, transformer balanced
Impedance	105 Ω, balanced and unbalanced
Max. output level	+25 dBu

System Specifications

Frequency response	20 Hz to 20 kHz, ±1 dB
S/N ratio	80 dB @ +4 dBu In
Distortion (THD+N)	0.15% typical

Compressor

Attack time	25 to 760 μs, adjustable
Release time	80 to 670 ms, adjustable
Ratio settings	20:1, 12:1, 8:1, 4:1
Meter settings	Gain reduction, +8/6/4 dBu

Power Supply

Mains voltage	100 – 240 V~, 50/60 Hz
Power consumption	10 W
Fuse	T1AH 250V
Mains connection	Standard IEC receptacle

Physical

Dimensions (H x W x D)	88 x 483 x 159 mm
Weight	2.8 kg (6.2 lbs)

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Architecture & Engineering Specifications

The compressor shall provide a single channel discrete FET compressor/limiter in a standard 2U 19" rack mount chassis.

The compressor shall provide the following rotary controls:

An input level control which also acts as a compressor threshold control

An output level control which can provide make up gain

An attack control with a range of 25 to 760 us

A release control with a range of 80 to 670 ms

The compressor shall have four interlocking push buttons to control the ratio with settings of 4:1, 8:1, 12:1 and 20:1

The compressor shall have a VU meter that can read either output level or gain reduction.

The compressor shall have four interlocking push buttons to select the meter mode as follows:

+4 = A meter reading of 0 = +4 dBu

+6 = A meter reading of 0 = +6 dBu

+8 = A meter reading of 0 = +8 dBu

GR = The meter shall read the amount of gain reduction applied

The input and output audio connections shall be transformer balanced and shall have 3 pin XLR and parallel TRS jack connectors.

The compressor shall have a rear panel input pad switch with an attenuation of -20 dB

The compressor shall be fitted with an internal switch mode power supply, capable of operation at AC voltages ranging from 100 to 240 VAC, at 50/60Hz. The mains connector shall be a standard IEC receptacle.

The compressor dimensions shall be 88 mm high x 483 mm wide x 159 mm deep (3.5 x 19 x 6.3"). The nominal weight shall be 2.8 kg (6.2 lbs).

The compressor shall be the **KLARK TEKNIK** model 76-KT, and no other alternative shall be acceptable.

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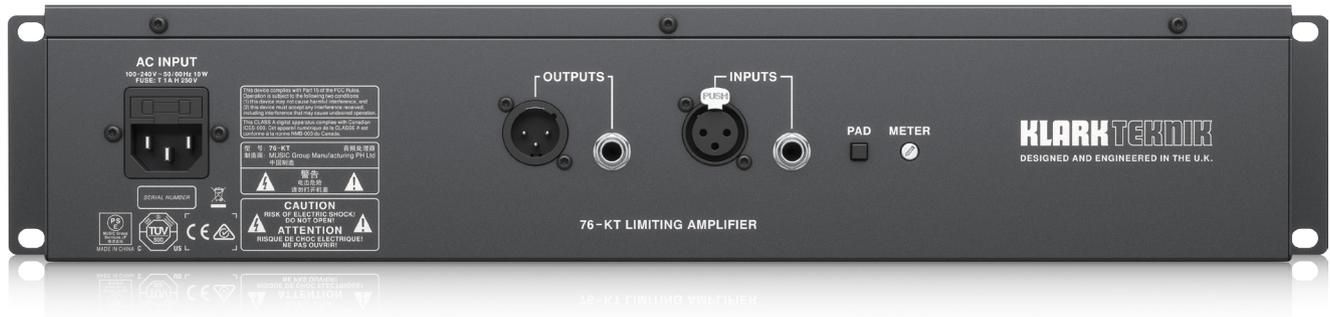
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