

## Version 1.1 May 2000

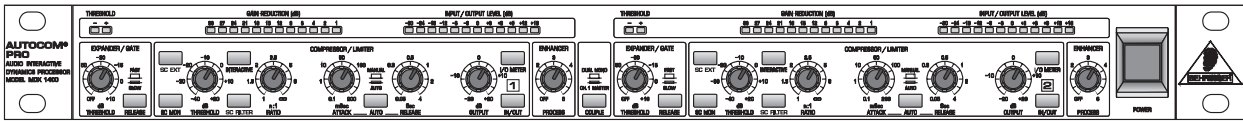
# ENGLISH



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# AUTOCOM PRO

Interactive 2-channel expander/gate/compressor/enhancer of the reference class



- ▲ IKA (Interactive Knee Adaptation) compressor concept combines the advantages of “hard knee” and “soft knee” characteristics
- ▲ Attack and Release times controllable automatically or manually
- ▲ Switchable high-pass filter in control signal path avoids low-frequency signals from dominating compressor action
- ▲ Compression characteristics switchable between IKA and “hard knee” characteristics
- ▲ IRC circuit in expander/gate allows for “inaudible” elimination of disturbing noise signals
- ▲ Dynamic Enhancer for compression dependent equalization
- ▲ Extremely low-noise operational amplifiers and high-grade VCA's
- ▲ High-quality detent potentiometers and backlit switches
- ▲ Stereo Couple function selectable with real totaling of RMS output
- ▲ Accurate 12-digit LED meters for input level, output level and gain reduction
- ▲ Switchable side-chain input with side-chain monitor function
- ▲ Operating level switchable from +4 dBu to -10 dBV
- ▲ Servo-balanced inputs and outputs featuring 1/4" jack and XLR connectors
- ▲ High-grade output transformer BEHRINGER OT-1 can be retrofitted
- ▲ Manufactured under ISO9000 certified management system

# SPECIFICATIONS

## AUDIO INPUT

Connectors	XLR and 1/4" jack
Type	RF filtered, servo-balanced input
Impedance	50 kOhm balanced, 25 kOhm unbalanced
Nominal Operating Level	+4 dBu/-10 dBV switchable
Max. Input Level	+21 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1 kHz

## AUDIO OUTPUT

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage (optional transformer-balanced)
Impedance	60 Ohms balanced, 30 Ohm unbalanced
Max. Output Level	+21 dBu, +20 dBm balanced and unbalanced

## SC INPUT

Connector	1/4" jack
Type	RF-rejecting, DC de-coupled, unbalanced input
Impedance	>10 kOhm
Max. Input Level	+24 dBu

## SC OUTPUT

Connector	1/4" jack
Type	RF-rejecting, DC de-coupled, unbalanced output
Impedance	2 kOhm
Max. Output Level	+21 dBu

## SYSTEM SPECIFICATIONS

Bandwidth	20 Hz to 20 kHz, +0/-0.5 dB
Frequency Response	0.35 Hz to 200 kHz, +0/-3 dB
Noise	> 95 dBu, unweighted, 22 Hz to 22 kHz
THD	0.008 % typ. @ +4 dBu, 1 kHz, Gain 1 0.04 % typ. @ +20 dBu, 1 kHz, Gain 1
IMD	0.01 % typ. SMPTE
Crosstalk	< -100 dB, 22 Hz to 22 kHz
Stereo Coupling	true RMS detection

## EXPANDER/GATE SECTION

Type	IRC (Interactive Ratio Control) Expander
Threshold	variable (OFF to +15 dB)
Attack	<1 ms / 50 dB, program dependent
Release	variable (SLOW: 100 ms / 1 dB, FAST: 100 ms / 100 dB)

## COMPRESSOR SECTION

Type	IKA (Interactive Knee Adaption) Compressor
Threshold	variable (-40 dB to +20 dB)
Ratio	variable (1:1 to ∞:1)
Threshold characteristics	variable (Interactive or Hard Knee)
Auto characteristics	Wave Adaptive Compressor
Manual Attack Time	variable (0.5 ms / 20 dB to 100 ms / 20 dB)
Manual Release Time	variable (0.05 ms / 20 dB to 5 s / 20 dB)
Auto Attack Time	typ. 15 ms at 10 dB, 5 ms at 20 dB, 3 ms at 30 dB
Auto Release Time	program dependent, typ. 125 dB/s
Output	variable (-20 to +20 dB)

## DYNAMIC ENHANCER SECTION

Type	dynamically controlled frequency correction
Process	variable (Off to 6)

## FUNCTION SWITCHES

SC EXTERN	switches the detector section to the external SC input
SC MON	monitoring the external SC input, disengaging the normal audio
INTERACTIVE	enables the "Interactive Knee Adaption" characteristics
CONTOUR	allows for frequency dependent detection
AUTO	enables the automatic and program dependent setting of the Attack-/Release times, disengaging the manual Attack-/Release controls
I/O METER	switches between input and output for the level meter
IN/OUT	relay controlled hard-bypass
OPERATING LEVEL	changes the internal reference level from +4 dBu to -10 dBV
COUPLE	linking both channels for stereo operation and channel 1 becomes master

## INDICATORS

Gain Reduction	12 element LED display: 1/2/4/6/9/12/15/18/21/24/27/30 dB
Input/Output Level	12 element LED display: -30/-24/-18/-12/-6/0/+3/+6/+9/+12/+18 dB
Expander/Gate Threshold	2 LED for under "+" and above "-"
Function switch	LED indicator for each

## OPTIONS

Output Transformer	BEHRINGER transformer OT-1 refittable
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## POWER SUPPLY

Mains voltages	USA/Canada	120 V ~, 60 Hz
	U.K./Australia	240 V ~, 50 Hz
	Europe	230 V ~, 50 Hz
	General export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Fuse	100 - 120 V ~:	<b>T 250 mA H</b>
	200 - 240 V ~:	<b>T 125 mA H</b>
Power consumption	max. 20 Watts	
Mains connection	standard IEC receptacle	

## PHYSICAL

Dimension (H * W * D)	approx. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net Weight	approx. 2.2 kg
Shipping Weight	approx. 3.4 kg

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BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany

Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30

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