

# User's Manual

Version 1.1 June 2002

**ENGLISH**



**AUTOCOM PRO-XL MDX1600**



**COMPOSER PRO-XL MDX2600**



**MULTICOM PRO-XL MDX4600**





**CAUTION:**

**WARNING:**



**DETAILED SAFETY INSTRUCTIONS:**

**Retain Instructions:**

**Heed Warnings:**

**Follow instructions:**

**Water and Moisture:**

**Ventilation:**

**Heat:**

**Power Source:**

**Grounding or Polarization:**

**Power-Cord Protection:**

**Cleaning:**

**Non-use Periods:**

**Debris and Liquid Entry:**

**Damage Requiring Service:**



**Servicing:**

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Future-oriented BEHRINGER technology





VAD (Voice-Adaptive) De-esser



IDE (Interactive Dynamic) Enhancer



ATS (Authentic Tube Simulation) circuitry



IKA (Interactive Knee Adaptation) Compressor



IRC (Interactive Ratio Control) Expander



IGC (Interactive Gain Control) Peak Limiter

Safety relay

Balanced inputs and outputs

☞ First, this manual describes the terminology used, so that you understand the unit and its functions. Please read the manual carefully and keep it for future reference.

## 1.1 Before you get started

### 1.1.1 Shipment

☞ If the unit is damaged, please do NOT return it to BEHRINGER, but notify your dealer and the shipping company immediately. Otherwise, claims for damage or replacement may not be granted.

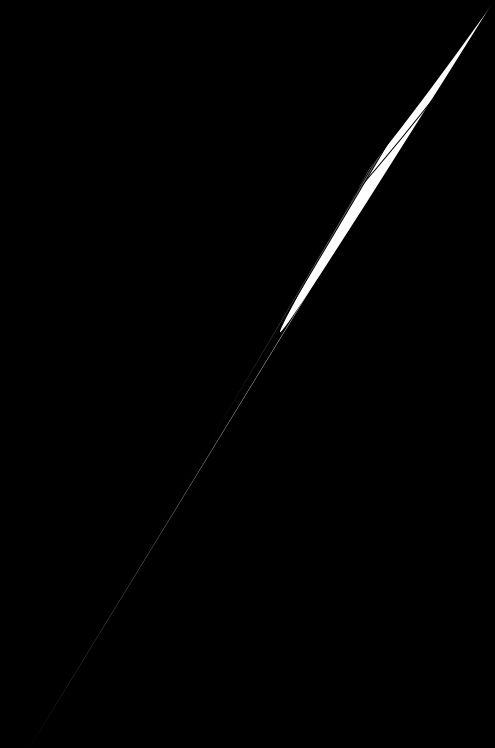
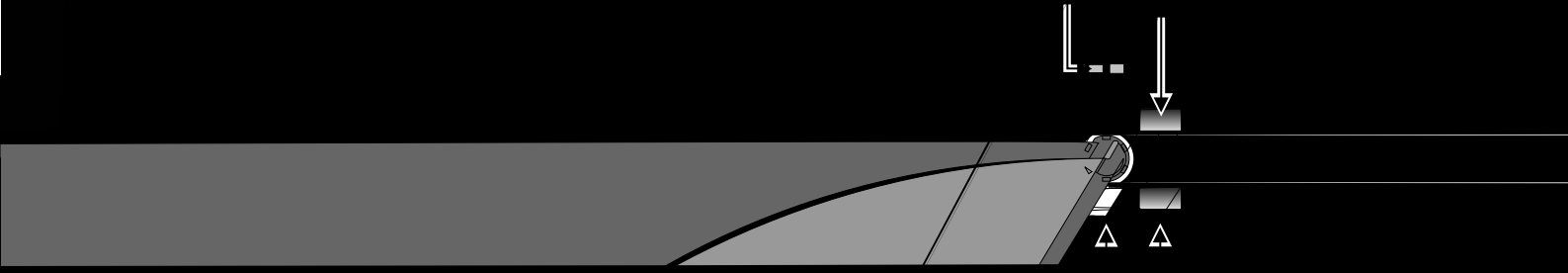
### 1.1.2 Initial operation

☞ Before you connect the unit to the mains, please make sure that the voltage setting on the unit matches the local voltage:

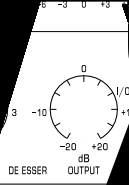
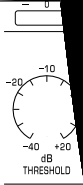
**IMPORTANT:** This does not apply to export models designed exclusively for 115 V operation!

☞ If you set the unit to a different mains voltage, be sure to use a fuse of the correct type and rating. Please refer to the "SPECIFICATIONS" for details.

☞ Blown fuses must be replaced by fuses of the same type and rating! Please refer to the "SPECIFICATIONS" for details.



## 2.2 The



**Application hints**

limiter    expander

OFF

THRESHOLD

OUTPUT

AUTO

Release

Attack

**2.3 The dynamic enhancer section**

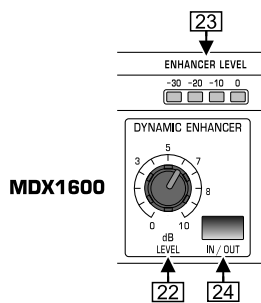


Fig. 2.4: Dynamic enhancer section control elements

22 LEVEL

LEVEL

**ENHANCER**

23 ENHANCER LEVEL

24 IN/OUT

**2.4 The de-esser section**

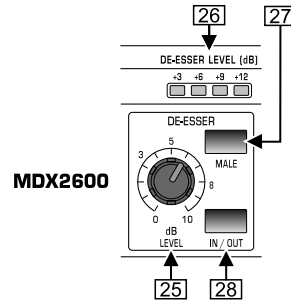


Fig. 2.5: De-esser section control elements

25 LEVEL

25

26 DE-ESSER LEVEL

27 MALE

28 IN/OUT

**2.5 The peak limiter section**

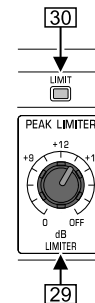


Fig. 2.6: Peak limiter section control elements

29

LIMITER

If you wish to use the peak limiter as a protecting device, the LIMITER control and the OUTPUT control in the compressor section should be set so that the peak limiter responds only rarely or never at all. It should be triggered by peak signals only. To achieve creative sound effects, on the other hand, you can also intentionally drive the peak limiter into this peak limiting range.

[30] LIMIT

**2.6 The rear panel control elements**

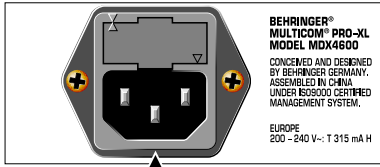


Fig. 2.7: Power supply and fuse

[31] FUSE HOLDER/VOLTAGE SELECTOR

**MAINS CONNECTION**

[32] OUTPUTS

[33] OPERATING LEVEL

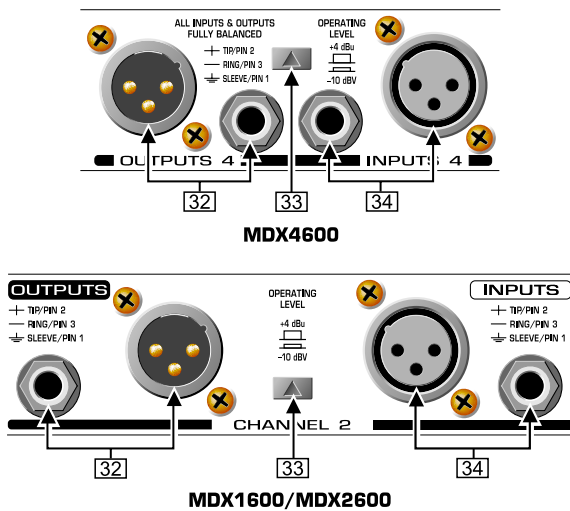


Fig. 2.8: Rear panel connectors and switches

[34] INPUTS

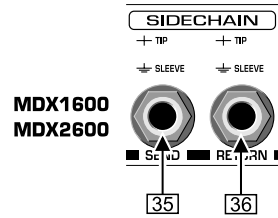


Fig. 2.9: SIDECHAIN connectors

[35] SIDECHAIN SEND

[36] SIDECHAIN RETURN

**3.1 Eliminating interference**

To monitor the equalizer setting, press the SC MON switch to isolate and play back the processed signal.

Control element	Position
SC EXT switch	IN
SC MON switch	OUT
INTERACT KNEE switch	OFF
LO CONTOUR switch	OUT
THRESHOLD control	+20 dB
RATIO control	4:1
AUTO switch	OUT
ATTACK control	0.3 msec
RELEASE control	150 msec
OUTPUT control	0 dB

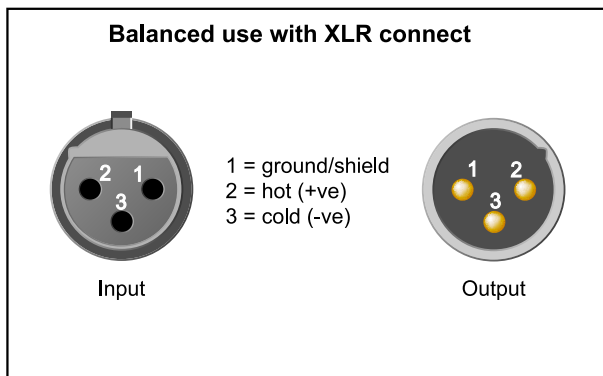
Tab. 3.1: Eliminating interference with an inserted equalizer (basic settings)





## 5.1 Rack installation

## 5.2 Audio connections



**AUDIO INPUTS**

$\Omega$       $\Omega$   
 $\Omega$       $\Omega$

**AUDIO OUTPUTS**

$\Omega$       $\Omega$

**SIDECHAIN INPUTS**

$\Omega$

**SIDECHAIN OUTPUTS**

$\Omega$

**SYSTEM SPECIFICATIONS**

**EXPANDER/GATE SECTION**

**COMPRESSOR SECTION**

**PEAK LIMITER SECTION**

**DE-ESSER SECTION**

**DYNAMIC ENHANCER SECTION**

**POWER SUPPLY**

T 250 mA H  
 T 125 mA H  
 T 630 mA H  
 T 315 mA H

**DIMENSIONS/WEIGHT**

BEHRINGER makes every effort to ensure the highest standard of quality. Necessary modifications are carried out without notice. Thus, the specifications and design of the device may differ from the information given in this manual.

§ 1 WARRANTY CARD/ONLINE REGISTRATION

§ 2 WARRANTY



§ 3 RETURN AUTHORIZATION NUMBER

BEFORE

§ 5 WARRANTY TRANSFERABILITY

§ 6 CLAIM FOR DAMAGES

§ 4 WARRANTY REGULATIONS

§ 7 OTHER WARRANTY RIGHTS AND NATIONAL LAW