

DENOISER®

Professional and all-purpose “single-ended” noise reduction system

- ▲ TAC (Transient Attack Control) dynamic filters respond accurately to signals with fast attacks
- ▲ Auto-filter circuitry for automatic sliding filters
- ▲ IRC (Interactive Ratio Control) downward expander for inaudible noise reduction during signal pauses
- ▲ Accurate “gain reduction” and “cut-off frequency” meters
- ▲ Dual mono or true stereo couple function
- ▲ Servo-balanced inputs and outputs on XLR and 1/4" TRS connectors
- ▲ Relay-controlled hard bypass with auto-bypass function during power failure (failsafe relay)
- ▲ Cut-in delay to avoid switch-on “thumps”
- ▲ Ultra low-noise audio operational amplifiers offer outstanding sound performance
- ▲ High-quality detented potentiometers and illuminated switches
- ▲ High-performance output transformer BEHRINGER OT-1 retrofitable
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Analog inputs

Connectors	XLR and 1/4" TRS
Type	RF filtered, servo balanced input
Impedance	80 kOhms balanced
Nominal operating level	-10 dBV to +4 dBu (switchable)
Max. input level	+20 dBu balanced and unbalanced

Analog outputs

Connectors	XLR and 1/4" TRS
Type	Electronically servo-balanced output stage (optional transformer-balanced)
Impedance	40 Ohms balanced or unbalanced
Max. output level	+26 dBm balanced, +20 dBm unbalanced

System specifications

Bandwidth	5 Hz to 100 kHz, +0/-3 dB
Noise	> 104 dBu, fully off
THD	0.02% typ. @ +4 dBu, 1 kHz, Gain 1
Crosstalk	< -85 dBu

Expander section

Threshold	variable (-40 to +20 dBu)
Release	variable (0.05 to 6 seconds)
Ratio	variable (1:1 to 1:6)

Filter section

Sensitivity	variable (-50 to +10 dBu)
Release	variable (0.06 to 1.2 seconds)
Cut-off	variable (800 Hz to 6 kHz)

Function switches

Channel IN/OUT	Relay controlled hard-bypass
Expander IN/OUT	Activates the expander section
Filter IN/OUT	Activates the filter section
Auto	Activates the automatic filter circuitry
Couple	Link feature for stereo tracking

Indicators

8 LED gain reduction	1/2/4/6/10/15/20/30 dB
8 LED filter bandwidth	1/1.5/2.2/3.3/5/7.5/12/20 kHz
LED indicator for each function switch	

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 ~: T 320 mA H	
	200 - 240 V ~: T 160 mA H	
Power consumption	9 Watts	
Mains connection	Standard IEC receptacle	

Physical

Dimensions (H x W x D)	1 3/4" (44.5 mm) x 19" (482.6 mm) x 8 1/2" (217 mm)
Net weight	approx. 3 kg
Shipping weight	approx. 4.2 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

The information contained in this sheet is subject to change without notice. No part of this sheet may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER and DENOISER are registered trademarks. ALL RIGHTS RESERVED.

© 2002 BEHRINGER Spezielle Studiotechnik GmbH.

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
