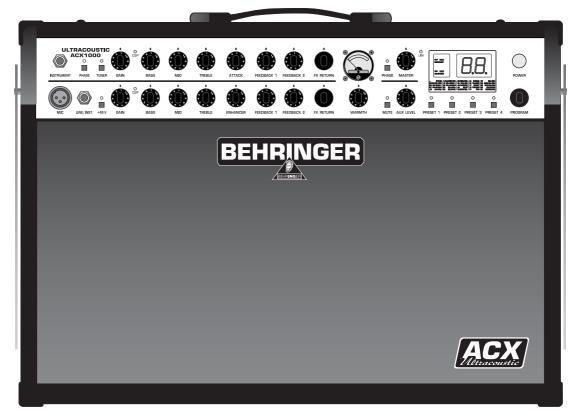
# ACX1000

## **Technical Specifications**

Version 1.2 Januar 2003

# **ILTRACOUSTIC**





# **ULTRACOUSTIC**

Ultra-flexible 2 x 60 Watt, 2-channel stereo acoustic guitar amplifier with digital multi-effects processor

- ▲ Powerful 2 x 60 Watt RMS amplifier with tube emulator specifically designed for acoustic instruments and vocals
- ▲ Dedicated tube emulator in both channels adds warmth and presence to instruments and vocals
- ▲ Two independent channels with separate volume controls, dedicated EQ's and two feedback filters each
- ▲ Instrument channel produces warm and transparent sound for pickup-equipped instruments and features additional ATTACK and EFFECT controls plus two tunable notch filters for feedback suppression
- ▲ Microphone/line channel provides microphone inputs with phantom power for both dynamic and condenser microphones, ENHANCER control, EFFECT control and two tunable notch filters optimized for suppressing microphone feedback
- ▲ Active 3-band EQ per channel
- ▲ 24-bit stereo multi-effects processor with high-resolution 24-bit AD/DA converters
- ▲ 23 algorithms, specifically developed for the ULTRACOUSTIC, producing authentic effects such as reverb, delay, rotary speaker, chorus, flanger, stereo panning, tremolo and various effects combinations for instrument and microphone/line channels
- ▲ 99 programs stored in 4 presets that can be recalled via footswitch
- ▲ Parallel TUNER output for tuner connection
- ▲ Adjustable stereo aux input on phone jacks for adding line signals (e.g. CD player, drum computer etc.) with AUX LEVEL control and MUTE switch
- ▲ Stereo tape input/output
- ▲ Separate insert option for external effects devices (e.g. compressor, octaver etc.) for both channels as well as master section
- ▲ Includes footswitch FS114 for effects switching
- ▲ MIDI effects selection via program change commands
- ▲ Master volume control with switchable phase correction
- ▲ High-quality components and exceptionally rugged construction for long life and durability
- ▲ Generously dimensioned power supply ensures excellent pulse response
- ▲ Manufactured under ISO9000 certified management system

### **SPECIFICATIONS**

**AUDIO INPUTS** 

Instrument channel

Connector 1/4" phone jack

Type unbalanced, RF filtered input

Input impedance app.  $10 \text{ M}\Omega$ 

Microphon/line channel

Microphone input
Connector XLR

Type balanced, RF filtered input

Input impedance app. 25 k $\Omega$ 

Line input

Connector 1/4" TRS jack

Type balanced, RF filtered input

Input impedance app. 40 k $\Omega$  balanced/20 k $\Omega$  unbalanced

Aux/tape input

Connector 1/4" phone jack/RCA

Type unbalanced, RF filtered input

Input impedance app. 10 k $\Omega$ 

**AUDIO OUTPUTS** 

Direct out output

Connector XLR

Type balanced, low-impedance line-level output output impedance app. 200  $\Omega$  balanced/100  $\Omega$  unbalanced

Max. output level +24 dBu balanced

Tape output

Connector RCA

Type unbalanced, low-impedance line-level output

Output impedance app.  $100 \Omega$ 

Max. output level +20 dBu unbalanced

**POWER AMPLIFIER** 

Power amp output 2 x 60 Watts RMS

**MIDI INTERFACE** 

Type 5-pin-DIN-socket, MIDI IN

**DIGITAL PROCESSING** 

Converters 24-bit sigma-delta, 64/128-times oversampling

Sampling rate 46.875 kHz

**DISPLAY** 

Type 2-digit numeric LED display

**LOUDSPEAKER** 

Type 2 x 8" loudspeaker, special custom-made acoustic speaker; 1 x piezo tweeter

Impedance  $8 \Omega (8" loudspeaker)$ 

Power handling max. 60 Watts (8" loudspeaker)

**POWER SUPPLY** 

Mains voltages USA/Canada 120 V~, 60 Hz

Europe/U.K./Australia 230 V~, 50 Hz Japan 100 V~, 50 - 60 Hz general export model 120/230 V~, 50 - 60 Hz

Power consumption 42 Watts min./200 Watts max.

Fuse 100 - 120 V~: **T 5 A H** 

200 - 240 V~: **T 2.5 A H** 

Mains connection standard IEC receptacle

**PHYSICAL** 

Dimensions (H x W x D) approx. 17.0" (431.8 mm) x 23.65" (600.65 mm) x 10.6" (270 mm) / 12.3" (312.6 mm)

Weight approx. 22 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.

### ULTRACOUSTIC ACX1000

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