

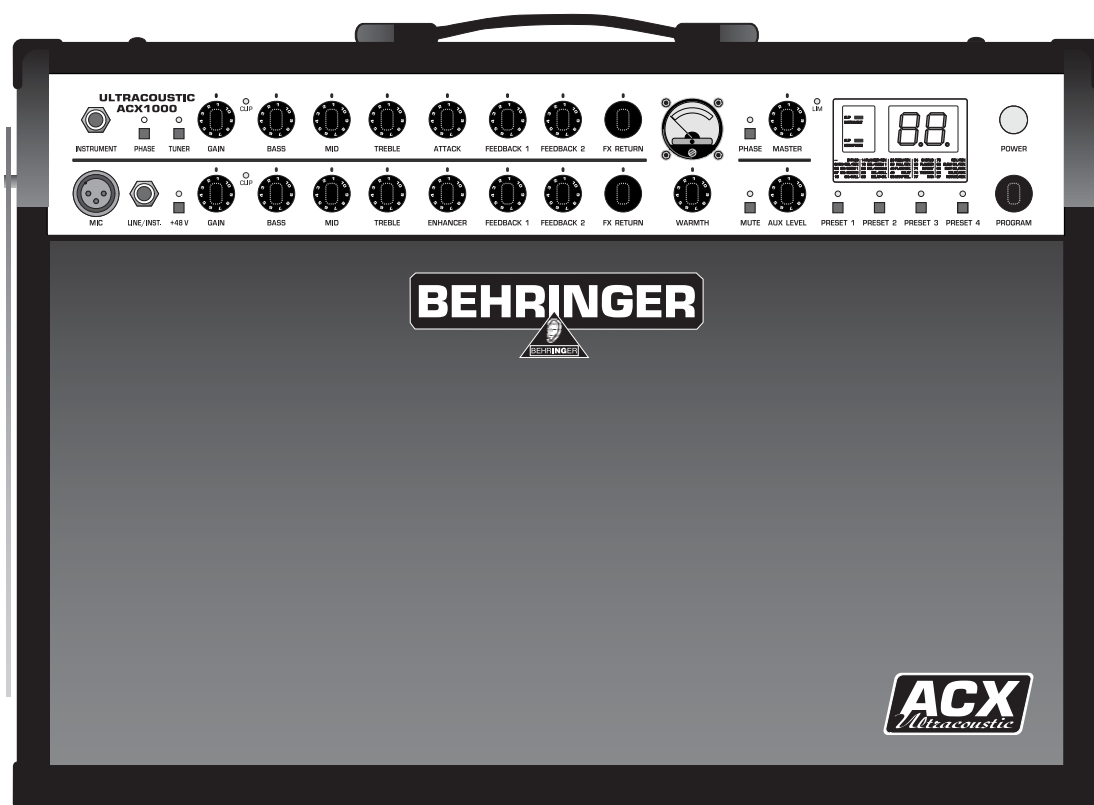
ACX1000

ULTRACOUSTIC

Technical Specifications

Version 1.1 September 2002

ENGLISH



BEHRINGER
INSTRUMENT AMPLIFICATION

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 FX RETURN 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, FX RETURN 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 M Ω
Microphon/line channel	
Microphone input	
Connector	XLR
Type	balanced, RF filtered input
Input impedance	app. 25 k Ω
Line input	
Connector	1/4" TRS jack
Type	balanced, RF filtered input
Input impedance	app. 40 k Ω balanced/20 k Ω unbalanced
Aux/tape input	
Connector	1/4" phone jack/RCA
Type	unbalanced, RF filtered input
Input impedance	app. 10 k Ω

AUDIO OUTPUTS

Direct out output	
Connector	XLR
Type	balanced, low-impedance line-level output
Output impedance	app. 200 Ω balanced/100 Ω unbalanced
Max. output level	+24 dBu balanced
Tape output	
Connector	RCA
Type	unbalanced, low-impedance line-level output
Output impedance	app. 100 Ω
Max. output level	+20 dBu unbalanced

POWER AMPLIFIER

Power amp output	2 x 60 Watts RMS
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MIDI INTERFACE

Type	5-pin-DIN-socket, MIDI IN
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DIGITAL PROCESSING

Converters	24-bit sigma-delta, 64/128-times oversampling
Sampling rate	46.875 kHz

DISPLAY

Type	2-digit numeric LED display
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LOUDSPEAKER

Type	2 x 8" loudspeaker, special custom-made acoustic speaker; 1 x piezo tweeter
Impedance	8 Ω (8" loudspeaker)
Power handling	max. 60 Watts (8" loudspeaker)

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
Power consumption	42 Watts min./300 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 * W * 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

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