

Acapela 16

16-Input 4-Bus Digital Live Sound Mixer with Wireless Control



Features

- ▶ 12 mono XLR mic/line inputs plus 4 combo (XLR/TRS) inputs
- ▶ Internal digital sampling rate up to 48 kHz in 24-bit resolution
- ▶ Detailed GUI interface visible on external monitor (not included)
- ▶ Software controllable using either wired or wireless USB mouse
- ▶ Wireless control through iPad interface application
- ▶ Remote operation through Wi-Fi connection or wired ethernet connection to wireless hub
- ▶ 4-band parametric EQ and adjustable delay on every input and output channel
- ▶ 21 dynamic processors (gates, expanders, compressors, limiters) available on input channels, multi outputs and main mix
- ▶ Two stereo digital effect processors with 8 effect types, up to 9 variable parameters and numerous preset programs included; EFX 1 offers 3 reverb effects, each with 8 variations and adjustable parameters
- ▶ 4 aux and 4 group mixes assignable to multi outputs
- ▶ +48V DC phantom power activated through user interface
- ▶ High quality 24-bit AD/DA converters offer extraordinary dynamic range
- ▶ Save and instantly recall scenes at the click of a mouse
- ▶ USB 2.0 stereo interface for recording any two channels to PC or Mac computers
- ▶ Processing accomplished through a high quality 40-bit floating point digital signal processor
- ▶ Optional carry bag available for easy mobility and long-term storage

Description

Phonic introduces a new standard in digital mixing. The Acapela 16 combines the tried and true features of Phonic's previous digital mixers with an all new level of wireless control never before seen in this manner of mixer. Through most modern tablets, including iPads, users can mix, equalize, and otherwise work their audio. A tablet cradle holds the screen in place for on-deck control, while the Wi-Fi operation allows control from anywhere within your wireless network area. Further controls are available through the graphical user interface, visible on any connected monitor and controlled by mouse. Users can expect to find 16 studio-quality mic pres (including 4 combo jacks), 4 aux mixes, 4 group mixes, lightning-fast 40-bit floating point processor, 4-band parametric EQs, 31-band graphic EQ, dynamic processors and 2 robust digital effect engines. All these combine to create a flexible, yet powerful, wirelessly controlled digital mixing center for all manner of live situations.

ACAPELA 16

Digital Mixer with Wireless Control

Dimensions



Specifications

Analog Inputs	12 x XLR Balanced (Ch 1-12) 4 x Combo (XLR/TRS) Balanced (Ch 13-16)
Main Output	2 x XLR Balanced
Control Room Output	2 x TRS Balanced
Multi Outputs	4 x TRS Balanced
Phones	1 x Stereo Phone Jack (TRS Unbalanced)
Sampling Frequency	44.1 kHz, 48 kHz (40-Bit Floating Point Mixing)
Signal Delay (CH INPUT to STEREO OUT)	Fs=48 kHz <1.2ms
Distortion (THD + N)	THD+N less than 0.007%, +4 dBu, 20-20 kHz, unity gain, 20 kHz BW
Frequency Response (CH INPUT to STEREO OUT)	Fs=48kHz, 0/-1.5dBu, 20 Hz – 20 kHz @ +4dBu into 600Ω
Hum & Noise	(20 Hz – 20 kHz), Rs=150, -128dBu (EIN), -90dBu (residual output noise)
VGA Monitor output	D-Sub 15 pin: 1024x768p@60Hz (XGA)
Ethernet 10/100 Base	RJ45
USB 2.0 (Mouse/Flash Drives)	Type A
USB 2.0 (Audio)	Type B (2 x 2 Interface, selectable from CH1-16, CTRL RM, MAIN)
Options (not included as standard)	Carry Bag, iPad, USB Flash Drives, Monitor, Mouse
Power Supply Unit	100V - 240V, 50/60Hz, 90W
Dimensions (H x W x D)	82 x 324 x 393 mm (3.2" x 12.8" x 15.5")
Weight	2.8 kg (6.2 lbs)

iPad, monitor and mouse not included.

Information in this document is subject to change without notice.

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