PHONIC

IS16
Digital Mixer

IS16

16-Input 8-Bus Digital Mixing Console with
Color Touch Screen and VGA output

Features

- 16 mono mic/line with insert points and grouped phantom power
- Internal digital sampling rate up to 96 kHz in 24-bit resolution
- Compact design achieved through 16 faders encompassing three layers (Channel, AUX/Group, Multi)
- 17 ultra-smooth 100 mm motorized faders arranged in a familiar analog mixer arrangement
- High quality GUI interface onboard accessed through a full-color touch-screen
- 31-band GEQ available on EFX 1 and Main out and 15-band GEQ on EFX 2
- 4-band parametric EQs can be found on all input channels, multi outputs and main outputs
- Digital AES/EBU input and output
- Dual true algorithm-based multi-effects processor. Effects can be applied to any input channel, aux send or group, and the stereo effect signals can be assigned to main stereo mix or all eight multi outputs
- Eight balanced 1/4" phone jack 'multi' outputs
- 8 AUX and 8 Group buses assignable to 'multi' outputs

- 25 dynamic processors available on input channels, 'multi' outputs and main mix
- Wireless operation through Wi-Fi connection (UTD10 wireless USB dongle included) and Ethernet remote control
- Save and instantly recall scenes at the touch of a button
- Processing accomplished through a high quality 40-bit floating point digital signal processor
- Includes FireWire/USB 2.0 multi-track recording interface for high quality recording on PC and Mac computers
- Audio Interface compatible with Windows XP, Vista, 7 & 8 and Mac OSX operating systems
- VGA D-Sub output: Progressive scan up to 1024x768p@60Hz (XGA)
- All features and functions of the IS16 can be controlled through the use of a USB 2.0 wireless or wired mouse
- Optional LED gooseneck lamp allows you to illuminate the board in dark areas
- Rack mounting kit included

Description

The Phonic IS16 Digital Mixing Console provides a color touch screen, 16 mic/lines, 8 aux, 8 group, 40-bit floating point processor, motorized faders, 4-band parametric EQs, 31-band graphic EQ, Wi-Fi connectivity built into a multi output-matrix, slim-lined three-layer construct. VGA and USB mouse connections are included to incorporate video monitors for a flexible, fully-immersive digital audio experience. The FireWire/USB 2.0 interface allows for 16x16 multi-track recording and playback operation with any modern PC or Mac computer. Wi-Fi or ethernet connectivity allows for remote parameter adjustment through most modern tablet computers. The IS16's smart design, including configurable I/O and on board processor integration, makes the Phonic IS16 a powerful and versatile digital console suitable for a variety of fixed live installs and recording purposes.

Information in this document is subject to change without notice.

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IS16 Data Sheet 4/30/2013

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495 mm / 19.5"

164 mm / 6.46"

UTD10 Wifi Dongle

Specifications

Analog Inputs	Mic In : 16 x XLR Balanced (Ch 1-16) Line In : 16 x TRS Balanced jacks (Ch 1-16)
Insert I/O	16 x Phone jacks (Unbalanced)
2TR IN Analog	2 x RCA (Unbalanced)
Stereo Output	2 x XLR Balanced 2 x RCA (Unbalanced)
Main Output	2 x XLR Balanced
Control Room Output	2 x XLR Balanced
Multi Outputs	8 x TRS Balanced
AUX/Group Output	8 x TRS Balanced (Shared through Multi)
Phones	1 x Stereo Phone jack (TRS Unbalanced)
Digital I/O	(AES/EBU) 2 x XLR Balanced
Sampling Frequency	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz (40-Bit Floating Point Mixing)
Signal Delay (CH INPUT to STEREO OUT)	Fs=48 kHz <1.2ms, Fs=96 kHz <0.6ms
Faders	17 x 100mm motorized faders
Word Clock I/O	2 x BNC Connectors
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=48, 96kHz, 0/-1.5dBu, 20 Hz – 20 kHz @ +4dBu into 600Ω
Hum & Noise	(20 Hz – 20 kHz), Rs=150, -128dBu (EIN), -90dBu (residual output noise)
Optional Expansion Card	16 x 16 Firewire/USB 2.0 multitrack recording audio interface
VGA Monitor output	D-Sub 15 pin: Progressive scan up to 1024x768p@60Hz (XGA)
Ethernet 10/100 Base	RJ45
USB 2.0 (Mouse)	Type A
Power Supply Unit	100V – 240V, 50/60 Hz, 90W
Dimensions (H x W x D)	164 x 495 x 534 mm （6.46" x 19.35" x 21")
Weight	17.0 kg (37.5 lbs)

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