

iS16

Digital Mixer

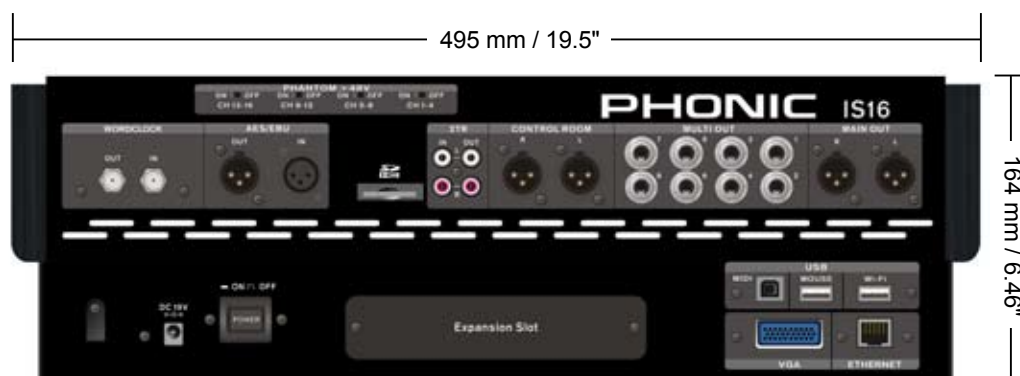
- ▶ 16 ultra low noise microphone preamps matched with line inputs
- ▶ Remote parameter adjustment through HTML5 using any modern computer, smartphone and/or tablet
- ▶ 4-band parametric EQ, variable delay and dynamic processors available on all input and output channels
- ▶ Internal 96 kHz sampling rate in 24-bit resolution

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 screens for a flexible, full digital audio experience. The expansion slot allows for users to incorporate mREC, a FireWire/USB expansion card that allows multi-track recording on any modern PC or Mac computer, as well as allowing multi-track recording directly to USB hard drives or thumb drives. Wi-Fi or Ethernet connectivity allows for remote parameter adjustment through a HTML5 compatible browser on any smartphone, computer, and iPad. The IS16's smart design, including multi configurable I/O and onboard processor integration, makes the Phonic IS16 a powerful and versatile digital console suitable for a variety of live fixed install, and recording purposes.



Find more images and information on www.phonic.com/xxxx.

- ▶ 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 15-band GEQ on EFX 2 and main out
- ▶ 4-band parametric EQs can be found on all input channels, multi outputs and main outputs
- ▶ Digital AES/EBU input and output
- ▶ Eight balanced 1/4" phone jack 'multi' outputs
- ▶ 8 AUX and 8 Group buses assignable to 'multi' outputs
- ▶ 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
- ▶ 25 dynamic processors available on input channels, 'multi' outputs and main mix
- ▶ Save and instantly recall scenes at the touch of a button
- ▶ Processing accomplished through a high quality 40-bit floating point digital signal processor
- ▶ Optional mREC expansion card featuring a standalone 16-channel PCM WAV recorder and a FireWire/USB 2.0 multi-track recording audio interface; USB 3.0 flash drives compatible
- ▶ Audio Interface compatible with Windows XP, Vista & 7 and Mac OSX operating systems
- ▶ Wireless operation through Wi-Fi connection and Ethernet remote control
- ▶ VGA D-Sub output: Progressive scan up to 1024x768p@60Hz (XGA)
- ▶ All features and functions of the IS16 can be accessed through the use of a USB 2.0 wireless or wired mouse
- ▶ Rack mounting kit included



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 600
Hum & Noise	(20 Hz – 20 kHz), Rs=150, -128dBu (EIN), -90dBu (residual output noise)
Optional Expansion Card	A standalone 16-channel PCM WAV recorder and a Firewire/USB 2.0 multitrack recording audio interface; USB 3.0 flash drives compatible
VGA Monitor output	D-Sub 15 pin: Progressive scan up to 1024x768p@60Hz (XGA)
Ethernet 10/100 Base	RJ45
USB 2.0 MIDI	Type B
USB 2.0 (Mouse and Wi-Fi)	Type A x 2
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)