

## Summit Digital Mixer

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



## Features

- ▶ 16 balanced microphone and line input channels
- ▶ 8 balanced 1/4" multi-purpose outputs
- ▶ Stereo balanced XLR main and control room outputs
- ▶ 8 auxiliary and 8 subgroup mixes
- ▶ 17 ultra-smooth automated faders encompassing a 3-layer design
- ▶ -20 dB PAD button on all inputs for attenuating hot inputs
- ▶ Insert points on all input channels
- ▶ RCA 2 track input and output
- ▶ Dedicated headphone output with individual trim
- ▶ Phase invert on all input channels
- ▶ Digital AES/EBU input and output onboard, assignable to main
- ▶ Pair and link feature on all input channels
- ▶ Individual delay adjustable on all inputs and outputs
- ▶ A full digital meter bridge available on all inputs and outputs (pre/post)
- ▶ Flexible soloing with user-selectable AFLs and PFLs and safe soloing
- ▶ 25 onboard 4-band parametric equalizers for all inputs and outputs
- ▶ 25 dynamic processors with expander, gate, compressor and limiter
- ▶ Two effect processors with 8 effects; processor 1 with an additional 24 reverbs
- ▶ Signal generator with sine waves and pink noise assignable to outputs
- ▶ User-selectable processing order through delay, EQ and dynamics
- ▶ Scenes function allows users to store and recall settings on SD cards
- ▶ Optional 16-in, 16-out FireWire / USB 2.0 interface card (32-bit, 96 kHz)

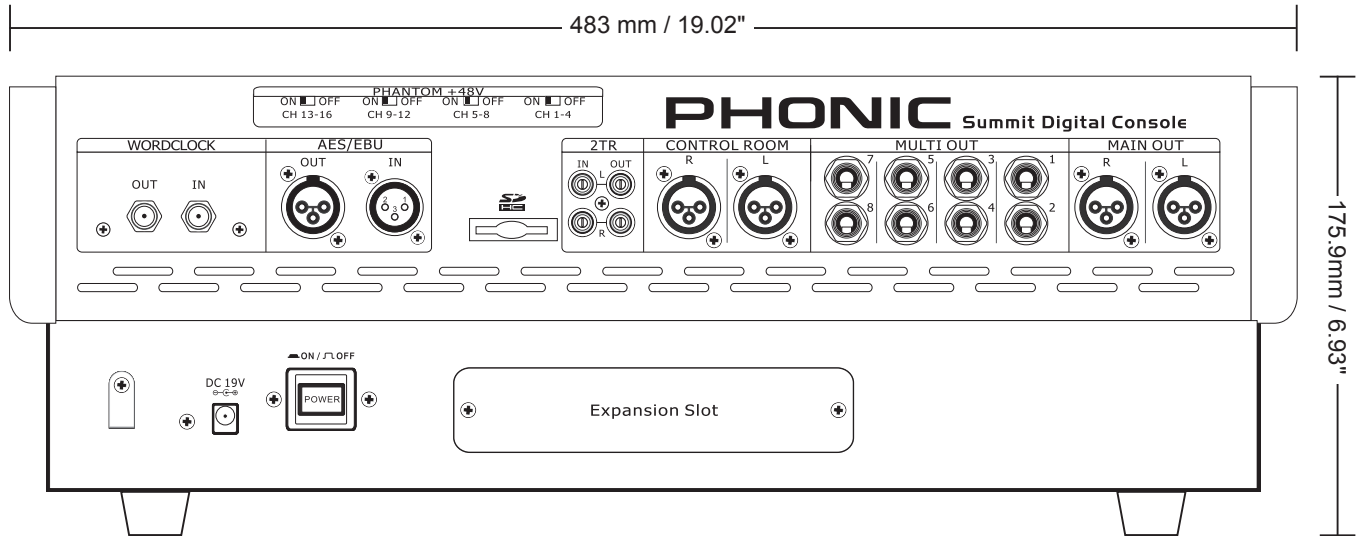
## Description

Phonic's Summit Digital Mixer offers an amazing number of high-end features at an affordable price. Included are sixteen versatile mono inputs offering incredibly low-noise balanced XLR microphone inputs and 1/4" phone jack inputs for line-level signals. Digital AES/EBU inputs and outputs are also included for the integration of digital signals directly into and out-of the Summit – ensuring there is no loss of your digital signal. Output is achieved through four balanced XLR connectors for the Main and Control Room signals, and eight balanced 1/4" phone jack connectors make up the multi-output with users able to assign any number of AUX and Group mixes to these outputs. Incredibly detailed EQ, EFX and dynamic processing abilities are also included, controllable through the onboard full-color touch-screen. The minimal size and weight of the mixer allows it to be extremely mobile, making the Summit ideal for both live performances and permanent professional studio installations.

# Summit Digital Mixer

## Professional Digital Mixer

### Dimension



### Specifications

<b>Analog Inputs</b>	MIC In : 16 x XLR Balanced (ch 1-16) Line In : 16 x TRS Balanced jacks (Ch 1-16)
<b>Insert I/O</b>	16 x Phone jacks (Unbalanced)
<b>2TR IN Analog</b>	2 x RCA (Unbalanced)
<b>Stereo Output</b>	2 x XLR Balanced 2 x RCA (Unbalanced)
<b>Main Output</b>	2 x XLR Balanced
<b>Control Room Output</b>	2 x XLR Balanced
<b>Multi Outputs</b>	8 x TRS Balanced
<b>AUX/Group Output</b>	8 x TRS Balanced (Shared through Multi)
<b>Phones</b>	1 x Stereo Phone jack (TRS Unbalanced)
<b>Digital I/O</b>	(AES/EBU) 2 x XLR Balanced
<b>Sampling Frequency</b>	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz (40-Bit Floating Point Mixing)
<b>Signal Delay (CH INPUT to STEREO OUT)</b>	Fs=48 kHz <1.2ms, Fs=96 kHz <0.6ms
<b>Faders</b>	17 x 100mm motorized faders
<b>Word Clock I/O</b>	2 x BNC Connectors
<b>Distortion (THD + N)</b>	< 0.0003% (1 kHz, mic +24 dBu to line out)
<b>Frequency Response (CH INPUT to STEREO OUT)</b>	Fs=48, 96kHz, 0/-1.5dBu, 20 Hz – 20 kHz @ +4dBu into 600Ω
<b>Hum &amp; Noise</b>	(20 Hz – 20 kHz), Rs=150, -128dBu (EIN), -90dBu (residual output noise)
<b>Optional Components</b>	16 x 16 Universal Expansion Card (2 x FireWire, 1 x USB 2.0)
<b>Power Supply Unit</b>	100V – 240V, 50/60 Hz, 90W
<b>Dimensions (H x W x D)</b>	483 x 175.9 x 540 mm (19.02" x 6.93" x 21.26")
<b>Weight</b>	16.9 kg (37.3 lbs)