

Sonic Station 16

16-Mic/Line 4-Group Mixer with Dual-Position I/O Pod & DFX

Sonic Station 32

28-Mic/Line 2-Stereo 4-Bus Mixing Console with Dual DFX

Sonic Station 22

18-Mic/Line 2-Stereo 4-Bus Mixing Console with Dual DFX



Features

- ▶ 16 Microphone Preamps (Sonic Station 16)
- ▶ 20 Microphone Preamps (Sonic Station 22)
- ▶ 30 Microphone Preamps (Sonic Station 32)
- ▶ 3-band with swept mid-range channel EQ on mono channel, 4-band on stereo
- ▶ 75 Hz low-cut filter on each channel
- ▶ Numerous direct outputs for multi-track recordings
- ▶ 32/40-bit digital multi-effect processor with 16 programs plus one main parameter control, tap control and foot switch jack
- ▶ Dual EFX processors on Sonic Station 22 and Sonic Station 32
- ▶ Four true subgroups with main L and R routing switches
- ▶ Group 1-4 and Aux 1-4, Main fader and control room volume control can be swapped for monitor console use (Sonic Station 22 & 32)
- ▶ Main stereo and mono out with XLR jacks and inserts
- ▶ 12-segment master level meter
- ▶ Six 12-segment level meters for groups and AUXs (Sonic Station 22 & 32)
- ▶ On, Peak/Solo and Signal indicators on each input channel
- ▶ +48V phantom power on Mic channels
- ▶ Six AUX send mixing bus
- ▶ Mono out with variable low pass filter from 60 Hz to 160 Hz for subwoofer
- ▶ Built-in talkback microphone (Sonic Station 22 & 32)
- ▶ Rec out with trim control for record level matching
- ▶ 12V BNC gooseneck lamp socket for working on dark place
- ▶ Dual-position I/O pod (Sonic Station 16)

Description

Phonic's Sonic Station mixers are bursting with inputs! Every channel has a Mic preamp with phantom power, balanced line inputs, a 3-band EQ with swept-mid (fixed on stereo channels), and six AUX sends. Mono channels have insert points for connection to external processors and direct outputs for multi-track recording (8 direct sends on Sonic Station 16). A built-in 32/40-bit digital effect processor has 16 awesome programs and one main parameter control, while a second effect processor can be found on the Sonic Station 22 and 32. A 12V BNC lamp socket provides all the light you need when working in dark environments. If you get any subsonic noise in your mix just hit the low cut filter to immediately get rid of breath pops, stage rumble and wind noise. Top it off with a dedicated mono output with a variable low pass filter for use with subwoofers, four true subgroups and record out with trim control, and you've got a perfect mixer for live events or studio mixing.

SONIC STATION SERIES

Professional Analog Mixing Consoles

Specifications

Sonic Station 16 | Sonic Station 22 | Sonic Station 32

	Sonic Station 16	Sonic Station 22	Sonic Station 32
Inputs			
Balanced Mic / Mono Line Channel	16	18	28
Balanced Mic/ Stereo Line Channel	-	2	2
Mic Preamps	16	20	30
Aux Return	4 stereo	4 stereo	4 stereo
2T Input	Stereo RCA	Stereo RCA	Stereo RCA
Outputs			
Main L/R Stereo	2 x XLR, 2 x 1/4" TRS	2 x XLR	2 x XLR
Main out with inserts	Yes	Yes	Yes
Main Mono	1 x XLR, 1 x 1/4" TRS	1 x XLR	1 x XLR
Main Mono out with inserts	Yes	Yes	Yes
Direct outs	8	18, including pre-ch EQ switch	28, including pre-ch EQ switch
Rec Out with Trim Control	Stereo RCA	Stereo RCA	Stereo RCA
CTRL RM L/R	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS
Phones	1	1	1
Channel Strips	16	20	30
Aux Sends	6	6	6
Pan/Balance Control	Yes	Yes	Yes
Channel routing switches	Group 1/2, 3/4, Main L/R	Group 1/2, 3/4, Main Mono, Main L/R	Group 1/2, 3/4, Main Mono, Main L/R
Indicators	On, Signal, Peak/Solo	On, Signal, Peak/Solo	On, Signal, Peak/Solo
Volume Controls	60mm fader	60mm fader	60mm fader
Master Section			
Aux Send Masters	4	6	6
Master Aux Send Solo	4	6	6
Stereo Aux Returns	4	4, each with aux 1-4 volume control	4, each with aux 1-4 volume control
Aux Return Assign to Subgroup	1	4	4
Effects Return to Monitor	3	4	4
Global PRE/POST Solo Mode	Yes	Yes	Yes
Group 1-4/Aux 1-4 Swap buttons	-	Yes	Yes
Main fader / CTRL RM volume control swap buttons	-	Yes	Yes
Talkback Mic	-	Built-in, can be routed to Aux 1/2, 3/4, Main L/R & CTRL RM, or use external mic (with +48V phantom power)	Built-in, can be routed to Aux 1/2, 3/4, Main L/R & CTRL RM, or use external mic (with +48V phantom power)
Faders	4 subgroups, Main mono, Main L/R	4 subgroups, Main mono, Main L/R	4 subgroups, Main mono, Main L/R
Metering			
Number of Channels	2	7	7
Segments	12	12	12
Phantom Power Supply			
Switches	+48V DC	+48V DC	+48V DC
Effect Processor 1 (32/40-bit DSP engine)	16 effects with one main parameter control, tap delay control, foot switch (effect on/off, tap)	16 effects with one main parameter control	16 effects with one main parameter control
Effect Processor 2 (32/40-bit DSP engine)	-	16 effects with one main parameter control, tap delay control, foot switch (effect on/off, tap)	16 effects with one main parameter control, tap delay control, foot switch (effect on/off, tap)
Frequency Response (Mic input to any output)			
20Hz to 60KHz	+0/-1 dB	+0/-1 dB	+0/-1 dB
20Hz to 100KHz	+0/-3 dB	+0/-3 dB	+0/-3 dB
Crosstalk (1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)			
Channel fader down, other channels at unity	<-90 dB	<-90 dB	<-90 dB
Noise (20Hz to 20KHz; measured at main output, Channels 1-4 unit gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference=+6dBu)			
Master @ unity, channel fader down	-86.5 dBu	-86.5 dBu	-86.5 dBu
Master @ unity, channel fader @ unity	-84 dBu	-84 dBu	-84 dBu
S/N Ratio, ref to +4	>90 dB	>90 dB	>90 dB
Microphone Preamp E.I.N. (150 ohms terminated, max gain)			
THD (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)	<0.005%	<0.005%	<0.005%
CMRR (1 KHz @ -60dBu, Gain at maximum)	80dB	80dB	80dB
Maximum Level			
Mic Preamp Input	+10dBu	+10dBu	+10dBu
All Other Inputs	+22dBu	+22dBu	+22dBu
Unbalanced Output	+22dBu	+22dBu	+22dBu
Balanced Output	+28dBu	+28dBu	+28dBu
Impedance			
Mic Preamp Input	2 K ohms	2 K ohms	2 K ohms
All Other Inputs (except insert)	10 K ohms	10 K ohms	10 K ohms
RCA 2T Output	1.1 K ohms	1.1 K ohms	1.1 K ohms
Outputs	200 ohms	200 ohms	200 ohms
Equalization			
Low EQ	3-band, +/-15dB	3-band, +/-15dB	3-band, +/-15dB
Mid EQ (mono channels)	80Hz	80Hz	80Hz
Mid EQ (stereo channels)	100-8k Hz, sweepable	100-8k Hz, sweepable	100-8k Hz, sweepable
Hi EQ	-	2.5k Hz	2.5k Hz
Low cut filter	12 kHz	12 kHz	12 kHz
Power Requirement	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
Net Weight (without adapter)	100 - 240V AC, 50/60Hz	100 - 120V AC, 220 - 240V AC, 50/60Hz (depends on region)	100 - 120V AC, 220 - 240V AC, 50/60Hz (depends on region)
Dimensions (WxHxD)	9.5 kg (20.9 lbs)	14.6 kg (32.2 lbs)	19.36 kg (42.7 lbs)
	445.4 x 211.7 x 431.8 mm (17.54" x 8.33" x 17.00")	859 x 102.79 x 547.42 mm (33.8" x 4.05" x 21.6")	1155.5 x 102.79 x 547.42 mm (45.5" x 4.05" x 21.6")

Information in this document is subject to change without notice.

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