

PRODUCT
TXM16

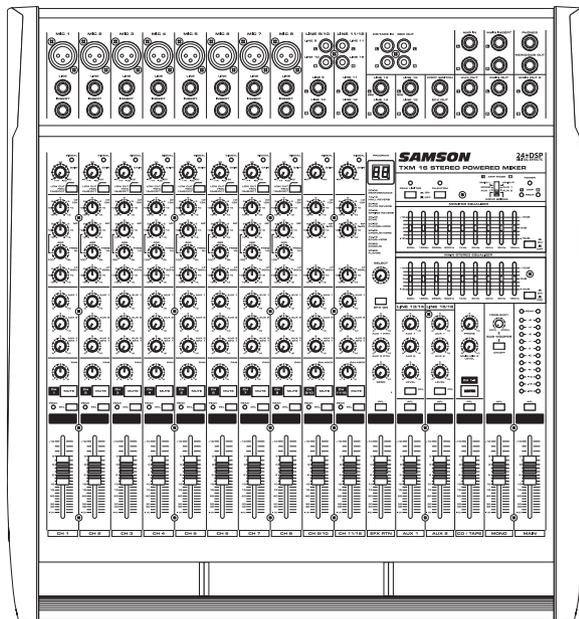
DESCRIPTION
16 CHANNEL 1000W POWERED MIXER

SERIES
TXM POWERED TABLETOP MIXERS

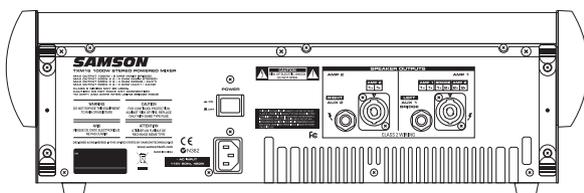
CATEGORY
POWERED MIXERS



FRONT PANEL



BACK PANEL



GENERAL DESCRIPTION

The TXM16 is a sixteen channel, powered mixer in an ergonomically correct, attractively appointed, tabletop enclosure. The TXM16 features a 1000-watt power amplifier, which is capable of running in 2 x 500-watt stereo, 500-watt Main plus 500-watt monitor, or 1000-watt bridge mode operating modes. The TXM16 features a Nine-band Stereo Graphic Equalizer for the Main Left and Right outputs, plus a separate Nine-band Graphic Equalizer for your monitor mix. Connecting all your microphones and instruments is simple, with eight mic/line inputs plus four additional stereo channels. There are also dedicated stereo effects returns for the onboard digital effects. You can add one of the TXM16's 100 dazzling digital studio quality effects, which include Delays, Chorus, Flanging, and of course, lush Reverbs to your vocals or instruments using the onboard 24-bit Multi-Effects Processor. It's easy to dial up your favorite effects preset with the large seven-segment LED display. The auxiliary buses are also extremely flexible when it comes to monitor mixes. The TXM16 will give you clean, clear sound reproduction thanks to the high quality, low noise microphone preamps, super clean, low impedance mix bus, and the high output/low distortion power amplifier. The unit is easy to transport with its compact size and oversized, sure-grip handle. In addition, the TXM16 can be rack mounted using the included eleven-space rack mount kit.

The super-tough steel construction ensures reliable, high quality sound from venue-to-venue and performance-to-performance day in, and night out. Optimized for live sound reinforcement and commercial installations, the TXM16 is an ideal mixer and power amp solution that offer plenty of inputs, sweet sounding effects and big sound in a compact package.

FEATURES

- > The TXM16 is a sixteen channel powered mixer in ergonomically correct, table-top enclosure providing easy to see and easy to operate front panel controls. In addition, the TXM16 can be rack mounted using the included eleven-space rack mount kit.
- > 1000-watt power amplifier section, featuring three modes of operation: 2 x 500-watts Stereo Main, or 500-watt Mono Main/500-watt Monitor, or 1000-watts Bridged Mono. These power ratings are true RMS, measured at full bandwidth.
- > Ample inputs - the TXM16 has eight mic/line inputs plus four stereo line inputs.

PRODUCT SPECIFICATION SHEET



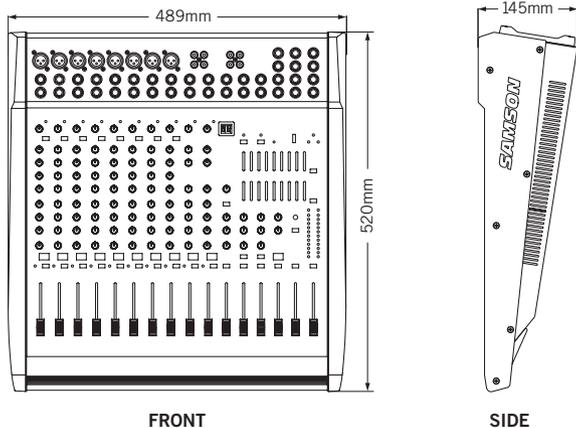
SERIES
TXM

DESCRIPTION
16 CHANNEL 1000W POWERED MIXER

CATEGORY
POWERED MIXERS

FEATURES (continued)

- > Built-in, 24-bit DSP (Digital Signal Processor) Multi-effects Processor with 100 selectable presets offering dazzling studio quality effects including Reverb, Delay and Chorus and Flanging.
- > The TXM16 mixer features high-quality, low-noise microphone pre-amplifiers that can accept signals from any standard microphone. With the mixer's XLR connectors, connecting standard low impedance dynamic mics is simple, and condenser microphones are connected easily using the available 48 Volt Phantom Power.



ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Samson TXM16 shall be a 16 channel stereo powered mixer. There shall be 8 mic/line channels and 4 stereo channels. All mono channels shall have XLR inputs with phantom power, Peak LED's, 1/4 inch line inputs, insert points, trim controls, high pass filters, 3 band EQ with sweepable mids, 2 aux sends and 1 aux for the onboard DSP, pan, mute, PFL and 60mm faders. Stereo channels 9-12 shall have all the same controls except for XLR inputs, insert points, High Pass and sweepable mids. Channels 13-16 shall have aux sends 1 and 2, PFL, and level only. The onboard DSP shall have 100 presets with aux 1 and 2 controls to add effects to monitors. The main section shall have Aux 1 and 2 send faders, CD/Tape input fader, Mono output/sub fader, and main level fader. There shall be a subwoofer channel 1-8 mute switch. There shall be a crossover in/out switch with frequency control for the mono/sub output. There shall be an 11 segment LED ladder for main level or AFL/PFL. There shall be a 9 band stereo graphic EQ for the main outputs and a 9 band graphic EQ for the monitors. There shall be a power amplifier capable of 2X500 watts @ 4 ohms or 1000 watts @ 8 ohms bridged mono.

TXM16 SPECIFICATIONS

Rated Output power	2 X 500W at 4Ω @1% THD @ 1KHz, 1 X 1000W at 8Ω Bridged
Frequency response	20Hz~20KHz+/-0.7dB@1W Output into 8Ω (AMP OUT) 20 Hz~20KHz+/-0.4@+4dB Output into 10kΩ (MAIN OUT, MAIN OUT 2, AUX OUT, AUX SEND, EFX OUT)
Total Harmonic Distortion	Less than 0.06% @ 20Hz~20KHz, 75W output into 4Ω (SPEAKER OUT); Less than 0.1%@20 Hz~20KHz+4dBu output into 10KΩ (MAIN OUT, MAIN OUT 2, AUX OUT, AUX SEND, EFX OUT)
HUM & Noise	-126dB equivalent input noise
(Average, RS+150Ω)	-100dB residual output noise (MAIN OUT, AUX OUT, EFX OUT)
(with 22Hz~22KHz BPF)	-73dB (MAIN OUT, AUX OUT) Master level control at maximum, all channel level control at minimum. -73dB (EFX OUT) Master level control at maximum, all channel level controls at minimum.
Maximum Voltage Gain	67dB CH IN (MIC) to AMP OUT 74dB CH IN (MIC) to MAIN OUT, MONITOR OUT 70dB CH IN (MIC) to AUX 2 OUT 52.2dB CH IN (MIC) to REC OUT 54dB CH IN (LINE) to MAIN OUT, MONITOR OUT 12dB AUX IN to MAIN OUT 24dB TAPE IN to MAIN OUT
Crosstalk, 1KHz	70dB adjacent input, 70dB input to output
Input Channel Equalization	
HIGH	12KHz shelving (+/- 12dB Maximum) Mono & ST CH
MID	Variable 80Hz to 8kHz peaking (+/- 15dB Maximum) Mono CH 2.5kHz peaking (+/-12dB) Maximum ST CH
LOW	80Hz shelving (+/- 12dB Maximum) Mono & ST CH
Meters	11 POINT LED METERS (-20, -15, -10, -7, -5, -3, 0, +1, +2, +4, +6dB)
Graphic Equalizer	9 bands(63, 125, 250, 500, 1K, 2K, 4K, 8K, 16KHz) +/-12dB
Internal DSP Effects	24 BIT - 10 Presets each: 1 - Performance; 2 - Hall Reverb, 3 - Plate Reverb; 4 - Spring Reverb; 5 - Echo; 6 - Flange + Verb; 7 - Chorus + Verb; 8 - Echo + Verb; 9- Chorus; 10- Flange
Phantom Power	+48V
PEAK Indicators	Turn on: 5dB before clipping
Foot Switch	DIGITAL EFFECT MUTE: ON/OFF
Power Requirement	120V/60 Hz, 240V/50Hz (Country Specific)
Power Consumption	500W, 1/8 Power
Weight	42.9 lbs./19.5Kg
Dimensions (W x H x D)	19 1/4" x 5 3/4" x 21 1/2" 489mm x 145mm x 520mm