

PRO



POWERED MIXERS
PRODUCT SPECIFICATION SHEET

PRODUCT
XM 410

DESCRIPTION
6 CHANNEL 400W POWERED MIXER

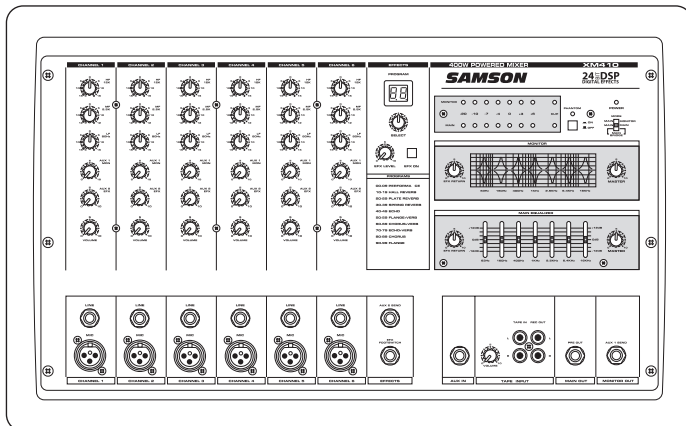
SERIES
XM

CATEGORY
POWERED MIXERS

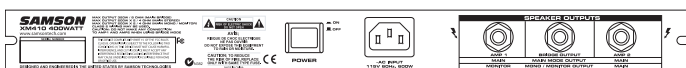
TYPE:
POWERED
MIXERS



FRONT PANEL



BACK PANEL



GENERAL DESCRIPTION

The XM410 is a six channel, 400 Watt powered mixer with built-in 24 BIT DSP (Digital Signal Processor) effects. The XM410 will give you clean, clear sound reproduction thanks to the high quality, low noise microphone preamps, super clean mix bus, on-board 7-band graphic equalizer and the high output/low distortion power amplifier. For studio quality processing, you can add one of the 100 dazzling digital effects including Delays, Chorus and lush Reverbs to your voice or instruments. The XM410's ingenious Kickback enclosure allows you to tilt the unit back to see, and operate, the controls with ease. The unit is easy to transport with its compact size and oversized, sure-grip handle. The super-tough ABS 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 XM410 is an ideal mixer and power amp solution offering big sound in a compact package.

FEATURES

- > Six channel powered mixer in an ergonomically correct kickback enclosure allowing you to easily see and operate the front panel functions.
- > Six Mic / Line inputs with 1/4-inch phone and XLR connectors.
- > 2 x 200 Watts, or 200 Watt Main / 200 Watt Monitor, or 400 Watts Bridged power operating modes.
- > A built-in, 24-bit DSP (Digital Signal Processor) with 100 selectable presets including Reverb, Delay and Chorus, offers dazzling studio quality effects.
- > Dynamic or condenser microphones connect easily to the low noise mic pre-amps with available 36 Volt Phantom Power.
- > The 3-Band EQ on each channel enables you to tailor the tonal response for each input.
- > Two Auxiliary sends on each channel for building an independent mix to send to the DSP effects and monitors.
- > 7-band Graphic Equalizer for the Main mix, allowing the system to be set-up for maximum gain before feedback.
- > A convenient Tape / CD Input is provided so you connect a stereo device for accompaniment or background music.

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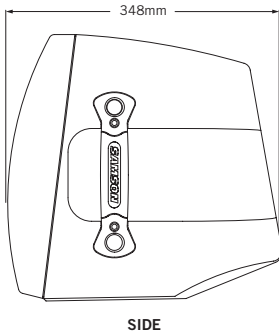
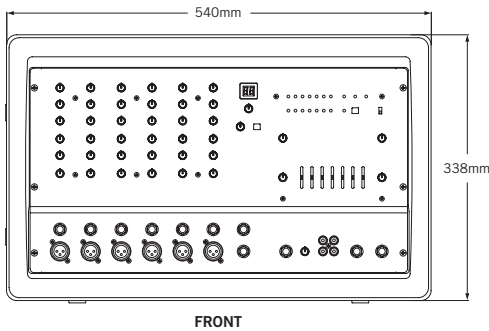
DESCRIPTION
6 CHANNEL 400W POWERED MIXER

CATEGORY
POWERED MIXERS



FEATURES (continued)

- > Brilliant sound quality from the advanced circuit design, utilizing low noise operational amplifiers.
- > Durable ABS plastic enclosure is road tough insuring reliable performance from night to night and venue to venue.
- > Convenient oversize, sure grip handle make the unit easy to carry.
- > Three-year extended warranty.



ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Samson XM410 shall be a 6 channel powered mixer. There shall be 6 mic/line channels each with 3 bands of EQ. Each channel shall have 2 aux sends, 1 to the monitor output and 1 to the DSP. The DSP shall have 99 programs of digital effects with a level control to send the DSP signal to the main bus. In the Main section there shall be an Aux input going directly to the main amplifier section. There shall be a tape in and a tape out with level control. There shall be a main mixer output before the amplifier section. The unit shall supply phantom power to the mic inputs. There shall be a monitor output getting its signal from the aux 1 send. There shall be a 7 band EQ getting its signal from the main bus. There shall be a 3 position switch to feed the main and monitor bus to the 2 amplifiers as: Main / Main to amp 1 and 2, Main / Monitor to amp 1 and 2, and Main signal / bridged to amp 1 and 2. There shall be output metering on LED's with clip indicators.

XM410 SPECIFICATIONS

Rated Output power	200W/4Ω per amplifier
Frequency response	20Hz~20KHz+/-0.5dB@1W Output into 8Ω (AMP OUT): 20 Hz~20KHz+/-0.4dBu @+4dB Output into 10kΩ (MAIN OUT, MONITOR OUT, AUX 2 SEND).
Total Harmonic Distortion	Less than 0.06% @ 20Hz~20KHz, 75W output into 4Ω (AMP OUT); Less than 0.1%@20 Hz~20KHz, +4dBu output into 10KΩ (MAIN OUT, MON OUT, AUX 2 SEND).
HUM & Noise	-121dB equivalent input noise
(Average, RS+150Ω)	-100dB residual output noise (MAIN OUT, MONITOR OUT, AUX 2 OUT)
(with 22Hz~22KHz BPF)	-79dB (MAIN OUT, MONITOR OUT) Master level control at maximum, all channel level controls at minimum. -79dB (AUX 2) Master level control at maximum, all channel level controls at minimum.
Maximum Voltage Gain	67dB CH IN (MIC) to AMP OUT 48dB CH IN (MIC) to MAIN OUT, MONITOR OUT 54dB CH IN (MIC) to AUX 2 OUT 30dB CH IN (MIC) to REC OUT 17dB CH IN (LINE) to MAIN OUT, MONITOR OUT 7dB 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 (+/- 15dB maximum)
MID	2.5KHz peaking (+/- 12dB maximum)
LOW	80Hz shelving (+/- 15dB maximum)
Meters	7 POINT LED METERS (-20, -10, -7, -4, 0, +3, +6dB)
Graphic Equalizer	7 bands (63, 160, 400, 1K, 2.5K, 6.4K, 16KHz)
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	+36V
CLIP Indicators	Turn on: THD> 0.1%
Foot Switch	DIGITAL EFFECT MUTE: ON/OFF
Power Requirement	100W-240V, 50/60Hz
Power Consumption	260W 1/8 power, 600W MAX.
Weight	31 lbs. (14Kg)
Dimensions (W x H x D)	21" x 14" x 13-3/4" 534mm x 356mm x 350mm