

PRODUCT
XM 910

DESCRIPTION
10 CHANNEL 900W POWERED MIXER

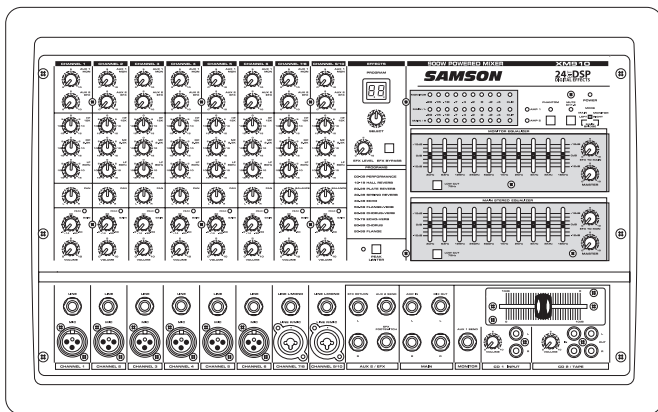
SERIES
XM

CATEGORY
POWERED MIXERS

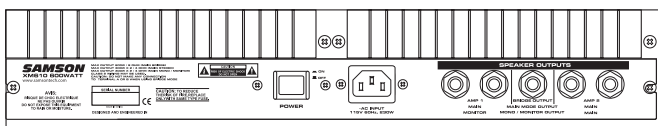
TYPE:
POWERED
MIXERS



FRONT PANEL



BACK PANEL



GENERAL DESCRIPTION

The XM910 is a ten channel, 900 Watt powered mixer with built-in 24 BIT DSP (Digital Signal Processor) effects. The XM910 will give you clean, clear sound reproduction thanks to the high quality, low noise microphone preamps, super clean mix bus, two on-board 10-band graphic equalizers 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 XM910'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 XM910 is an ideal mixer and power amp solution offering big sound in a compact package.

FEATURES

- > Ten channel powered mixer in ergonomically correct kickback enclosure allowing you to easily see and operate the front panel functions.
- > Eight Mic / Line inputs with 1/4" phone and XLR connectors.
- > 2 x 450 Watts Main, or 450 Watt Main / 450 Watt Monitor, or 900 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 48 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.
- > Dual 10-band Graphic Equalizer for operating in either Stereo Main, or Main / Monitor, allowing the system to be set-up for maximum gain before feedback.
- > A convenient Tape / CD Input is provided so you can connect a stereo device for accompaniment or background music.

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PRODUCT SPECIFICATION SHEET



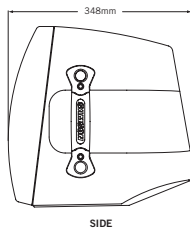
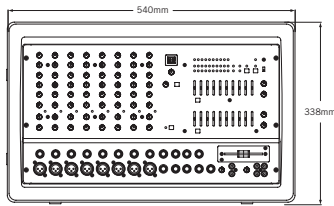
SERIES
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DESCRIPTION
10 CHANNEL 900W POWERED MIXER

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 XM910 shall be a 10 channel stereo powered mixer. There shall be 6 mic/line channels and 2 stereo channels. All mono channels shall have pan controls. Each stereo channel shall have a balance control. Each channel shall have 3 band EQ. Each channel shall have a gain control. Each channel shall have 2 aux sends, 1 to the monitor output and 1 to the DSP. The DSP shall have 100 programs of digital effects with a level control to send the DSP signal to the main bus. There shall be a peak limiter in the main section. In the Main section there shall be a preamp input left and right feeding directly to the main amplifier sections. In the Main section there shall be a preamp output left and right getting its signal directly from the main left and right bus. There shall be a mute 1-6 button to mute the mic channels. There shall be a CD 1 input with level control. There shall be a CD 2 / tape in with level control and CD 2 / tape out. There shall be a crossfader to fade between CD 1 and CD 2. There shall be an Aux 2 send that bypasses the DSP. There shall be a footswitch jack provided for muting the DSP. 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 10 band EQ and 75Hz switchable low cut filter for the monitor output. There shall be a 10 band EQ and 75Hz low cut filter 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 in amp 1 and 2, Main / Monitor in amp 1 and 2, and Main signal / bridged to amp 1 and 2. There shall be output metering on LED's with clip indicators.

XM 910 SPECIFICATIONS

Rated Output power	2 X 450W at 4Ω @0.1% THD, 1KHz
Frequency response	20Hz~20KHz+/-0.7dB@1W Output into 8Ω (AMP OUT); 20 Hz~20KHz+/-0.4@+4dBu Output into 10kΩ (MIX OUT, AUX 1 SEND, AUX 2 SEND, TAPE OUT)
Total Harmonic Distortion	Less than 0.06% @ 20Hz~20KHz, 75W output into 4Ω (AMP OUT); Less than 0.1%@ 20Hz~20KHz+4dBu output into 10KΩ (MIX OUT, AUX 1 SEND, AUX 2 SEND TAPE OUT)
HUM & Noise	-121dB equivalent input noise (Average, RS+150Ω).....-100dB residual output noise (MIX OUT, AUX 1 SEND, AUX 2 SEND) (with 22Hz~22KHz BPF)
	-79dB (MIX OUT, AUX 1 SEND OUT) Master level controls at maximum; all channel level control 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 63dB CH IN (MIC) to MAIN OUT, MONITOR OUT 54dB CH IN (MIC) to AUX 2 OUT 30dB CH IN (MIC) to REC OUT 32dB CH IN (LINE) to MAIN OUT, MONITOR OUT 26dB 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	9 POINT LED METERS (-20, -15, -10, -7, -4,-2, 0, +2, +4dB)
Graphic Equalizer	10 bands (30, 63, 125, 250, 500, 1K, 2K, 4K, 8K, 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	+48V
CLIP Indicators	Turn on: THD> 0.1%
Foot Switch	DIGITAL EFFECT MUTE: ON/OFF
Power Requirement	110V-240V, 50/60Hz
Power Consumption	380W 1/8 power, 1500W MAX.
Weight	46 lbs. (21Kg)
Dimensions (W x H x D)	21 1/4" x 13 1/4" x 13 3/4" 540mm x 338mm x 348mm