

AM821X  
8-Mic/Line 4-Stereo Input Mixing Console with DFX

AM1221X  
12-Mic/Line 4-Stereo 2-Bus Mixing Console with DFX

AM1621X  
16-Mic/Line 4-Stereo Input Mixing Console with DFX

AM2421X  
24-Mic/Line 4-Stereo Input Mixing Console with DFX



## Features

- ▶ Multiple low-noise mic preamps
- ▶ Mono channels have 3-band EQ with swept mid-range, 75Hz (18 dB/ octave) low-cut filter, inserts and phantom power
- ▶ Two stereo channels with 4-band EQ
- ▶ 4 AUX sends, AUX 1 & 2 with XLR and 1/4" phone output jacks
- ▶ 32/40-bit digital stereo multi-effect processor with 16 programs plus one main parameter control, tap control and foot switch jacks
- ▶ 2 stereo AUX returns with effect to monitor
- ▶ PAD on 4 mono channels to handle difficult signals
- ▶ Polarity reverse switch on two channels
- ▶ Main Stereo and Mono output with XLR and 1/4" phone jacks
- ▶ Mono output with variable low pass filter for subwoofer
- ▶ Tape input can be routed to AUX 1 and AUX 2
- ▶ Record output with trim control for level matching
- ▶ Mini stereo I/O for MD, MP3 player/recorder
- ▶ Built-in switching power supply with universal connector, 100-240VAC 50/60Hz

## Description

The AM X mixers are easy-to-use mixing consoles that provide all the features you need for the project studio and live sound reinforcement. With numerous ultra-quiet Mic preamps with high headroom and phantom power, and two stereo line channels. All mono channels feature inserts and lowcut switches. A 3-band EQ with swept-mid on mono channels and 4-band EQ on stereo channels gives you greater control over your mix. Four Aux sends and two stereo Aux returns can be used to connect a variety of onboard signal processors or to create special mixes to send to the performers' monitor speakers. An onboard 24-bit stereo digital effects processor features 16 programs plus one main parameter control, tap control and foot switch jacks. Output is through XLR or 1/4" phone jacks and is selectable as stereo or mono output, with mono doubling as a subwoofer output. The added feature of mini stereo input/output makes this mixer perfect for anyone connecting MP3, MD or computer audio or recording devices. The AM X mixers are ideal for houses of worship, small to medium-sized halls and project studios.

Information in this document is subject to change without notice.

Page 1

# AM SERIES

## Professional Mixing Consoles

### Specifications

#### AM821X | AM1221X | AM1621X | AM2421X

	AM821X	AM1221X	AM1621X	AM2421X
<b>Mono Input Channels</b>	8	12	16	24
<b>Stereo Input Channels</b>	4	4	4	4
<b>Aux Send</b>	4	4	4	4
<b>Phantom Power Supply</b>	+48V DC	+48V DC	+48V DC	+48V DC
<b>Noise</b> (20Hz~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	-86.5 dBu
Master @ unity, channel fader @ unity	-84 dBu	-84 dBu	-84 dBu	-84 dBu
S/N ratio, ref to +4" not 98145.451	>90 dB	>90 dB	>90 dB	>90 dB
THD (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)	<0.005%	<0.005%	<0.005%	<0.005%
<b>Frequency Response (Mic input to any output)</b>				
20Hz ~ 60KHz	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB
20Hz ~ 100KHz	+0/-3 dB	+0/-3 dB	+0/-3 dB	+0/-3 dB
<b>Maximum Level</b>				
Mic Preamp Input	+10dBu	+10dBu	+10dBu	+10dBu
All Other Input	+22dBu	+22dBu	+22dBu	+22dBu
Unbalanced Output	+22dBu	+22dBu	+22dBu	+22dBu
Balanced Output	+28dBu	+28dBu	+28dBu	+28dBu
<b>Impedance</b>				
Mic Preamp Input	2 K ohms	2 K ohms	2 K ohms	2 K ohms
All Other Input (except insert)	10 K ohms	10 K ohms	10 K ohms	10 K ohms
All other output	100 ohms	100 ohms	100 ohms	100 ohms
RCA 2T Output	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms
<b>Equalization</b>	3-band, +/-15dB	3-band, +/-15dB	3-band, +/-15dB	3-band, +/-15dB
Low EQ	80Hz	80Hz	80Hz	80Hz
Mid EQ (mono channel)	100-8k Hz, sweepable	100-8k Hz, sweepable	100-8k Hz, sweepable	100-8k Hz, sweepable
Mid EQ (stereo channel)	800, 3k Hz	800, 3k Hz	800, 3k Hz	800, 3k Hz
Hi EQ	12 kHz	12 kHz	12 kHz	12 kHz
Low cut filter (on mono channel)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
<b>Microphone Preamp E.I.N. (150 ohms terminated, max gain)</b>	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm
<b>Power Consumption</b>	30 watts	35 watts	40 watts	50 watts
<b>Power Requirement</b>	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
<b>Dimensions (WxHxD)</b>	510x106.5x437.2mm (20"x4.2"x17.2")	642x106.5x437.2mm (25.3"x4.2"x17.2")	774x106.5x437.2mm (30.5"x4.2"x17.2")	1038x106.5x437.2mm (40.9"x4.2"x17.2")
<b>Net Weight</b>	7.2kg (15.9lbs)	8.7kg (19.2lbs)	10.5kg (23.1lbs)	14.4kg (31.9lbs)