

AM120MKII

1-Mic/Line 2-Stereo Input Compact Mixer

AM220

2-Mic/Line 2-Stereo Input Compact Mixer

AM240

2-Mic/Line 4-Stereo Input Compact Mixer

AM440

4-Mic/Line 4-Stereo Input Compact Mixer

AM240D

2-Mic/Line 4-Stereo Input Compact Mixer with DFX

AM440D

4-Mic/Line 4-Stereo Input Compact Mixer with DFX

AM442D

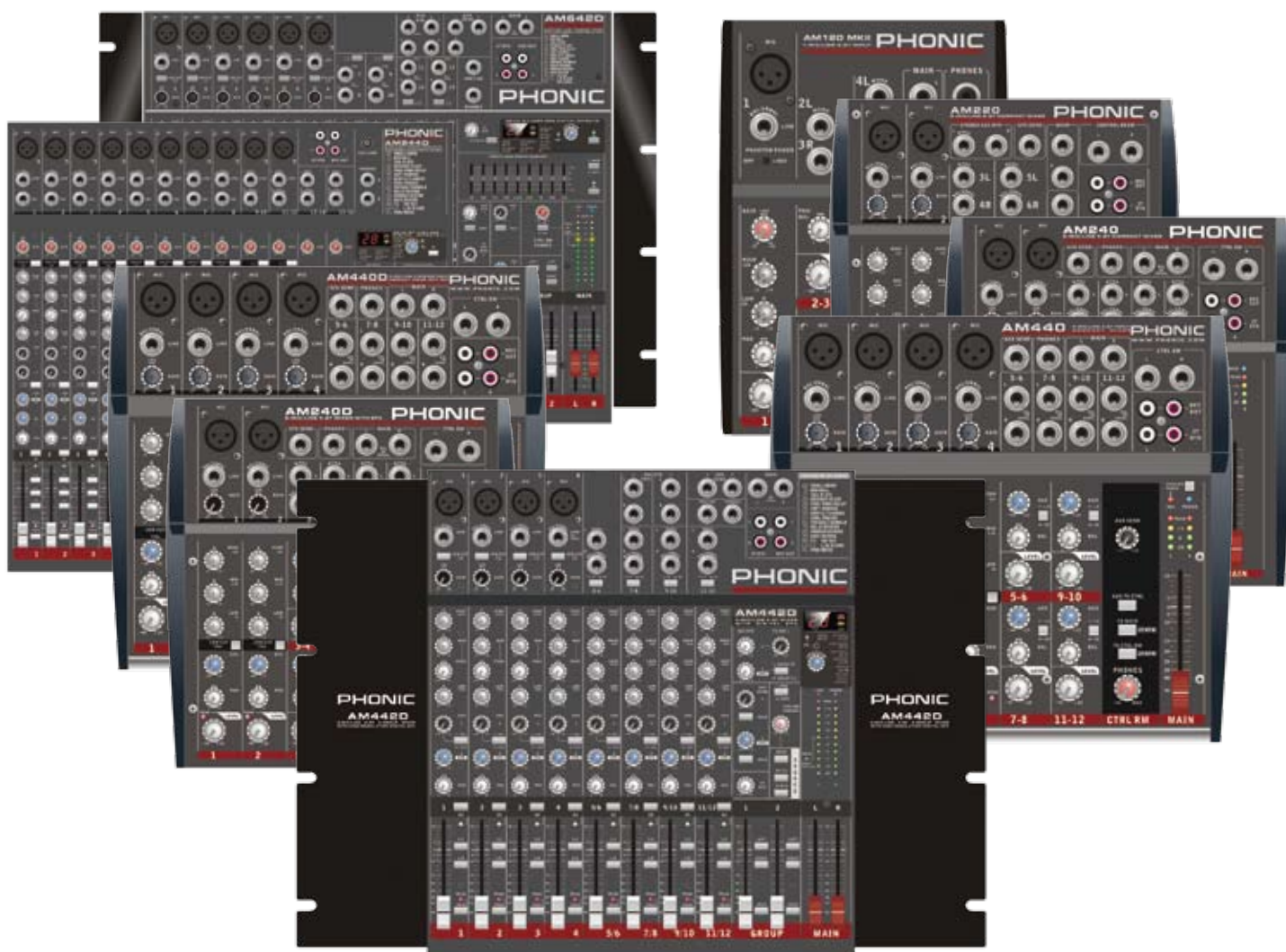
4-Mic/Line 4-Stereo 2 Group Mixer with DFX

AM642D

6-Mic/Line 4-Stereo 2-Group Mixer with GEQ & DFX

AM844D

8-Mic/Line 4-Stereo 4-Group Mixer with DFX



The Phonic AM analog mixers are compact and versatile with 5 to 24 mono Mic/Line and stereo inputs built into low-profile, stylish casings. Ultra low noise pre-amps ensure high quality sound when used in project studios or sound reinforcement. Low-cut filters on mono channels eliminate unwanted sounds like stage rumble, P-pops, wind noise and low frequency resonances. The multi-band EQs found on every channel give you maximum control over your mix. The AM series also makes monitoring the mix easy with its dual multi-segment LED level meters and high volume headphone output.

AM120MKII

1-Mic/Line 2-Stereo Input Compact Mixer



- ▶ Audiophile-quality mic preamps & ultra low noise
- ▶ 1 mic/line and 2 stereo channels
- ▶ 2-Band EQ on mono input channel
- ▶ 2T RTN & 2T REC for CD or tape recorder
- ▶ Dual 4-segment master level meter
- ▶ Headphones output with volume control
- ▶ Peak LED on mono input channel
- ▶ Balanced master output
- ▶ Universal +48V phantom power

AM220

2-Mic/Line 2-Stereo Input Compact Mixer



- ▶ Audiophile-quality & ultra low noise
- ▶ Two balanced Mic/Line inputs with 3-band EQ
- ▶ Two stereo inputs with 3-band EQ
- ▶ One stereo AUX return
- ▶ Post-fader EFX send on every input
- ▶ Global +48V phantom power
- ▶ Peak and VU Metering
- ▶ Peak indicators on each mono input channel
- ▶ 2T RTN assignable individually to Main or Control room
- ▶ Stereo EFX send cue for ease of monitoring individual channel
- ▶ Balanced master output with 60mm fader control

AM240

2-Mic/Line 4-Stereo Input Compact Mixer



- ▶ Audiophile-quality & ultra low noise
- ▶ Two balanced Mic/Line inputs with 3-band EQ and low cut
- ▶ Four stereo inputs with +4/-10 select button
- ▶ Post-fader AUX send on every input
- ▶ Global +48V Phantom Power
- ▶ CTRL RM and headphones outputs
- ▶ Peak indicators on each mono input channel
- ▶ Convenient RCA stereo I/O for MD or MP3 players
- ▶ Stereo EFX send cue for better monitoring individual channel
- ▶ Balanced master output with 60mm fader control

AM440

4-Mic/Line 4-Stereo Input Compact Mixer



- ▶ Audiophile-Quality & ultra low noise
- ▶ 4 mono mic/line channels
- ▶ 4 stereo channels
- ▶ AUX sends on each channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 3-band EQ on each channel
- ▶ +48V phantom power on mic channels
- ▶ Control room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ Balanced main outputs with 60mm fader

AM240D

2-Mic/Line 4-Stereo Input Compact Mixer with DFX



- ▶ Audiophile-quality & ultra low noise
- ▶ Solo feature on each input and output
- ▶ Two balanced Mic/Line inputs with 3-band EQ and low cut
- ▶ Solo feature on each input and output
- ▶ Four stereo inputs with +4/-10 select button
- ▶ Solo feature on each input and output
- ▶ Post-fader AUX send on every input
- ▶ Solo feature on each input and output
- ▶ 32/40-bit DSP with 100 EFX + creative tap-delay and test-tones
- ▶ Solo feature on each input and output
- ▶ Separated EFX route control assignable to main or monitor
- ▶ Solo feature on each input and output
- ▶ Global +48V Phantom Power
- ▶ Peak indicators on each mono input channel
- ▶ Convenient RCA stereo I/O for MD or MP3 players
- ▶ Stereo EFX send cue for better monitoring individual channel
- ▶ Balanced master output with 60mm fader control

AM440D

4-Mic/Line 4-Stereo Input Compact Mixer with DFX



- ▶ Audiophile-Quality & ultra low noise
- ▶ 4 mono mic/line channels
- ▶ 4 stereo channels
- ▶ 32/40-bit digital stereo multi-effect processor with 100 programs + tap delay
- ▶ AUX sends on each channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 3-band EQ on each channel
- ▶ +48V phantom power on mic channels
- ▶ Control Room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ Balanced main outputs with 60mm fader

AM442D

4-Mic/Line 4-Stereo 2-Group Mixer with DFX



- ▶ Audiophile-quality & ultra low noise
- ▶ 4 Mic/Line channels with inserts and phantom power
- ▶ 4 stereo channels with 4-band EQ
- ▶ 3-band EQ with swept mid-range plus low cut on each mono channel
- ▶ 2 Aux sends, Aux1 with Pre/Post switch
- ▶ 32/40-bit digital stereo multi-effect processor with 100 programs + Tap delay
- ▶ Solo feature on each input and output
- ▶ 2 true subgroups with main L and R routing switches
- ▶ 2 stereo aux returns with effect to monitor level control
- ▶ XLR connectors available on main L / R output
- ▶ Convenient stereo RCA I/O 2T input with level control
- ▶ Built-in switching power supply with universal connector, 100-240VAC, 50/60Hz
- ▶ Rack-mounting kit included

AM642D

6-Mic/Line 4-Stereo 2-Group Mixer with GEQ & DFX



- ▶ Audiophile-quality & ultra low noise
- ▶ Solo feature on each input and output
- ▶ 6 Mic/Line channels with inserts and phantom power
- ▶ Solo feature on each input and output
- ▶ 4 stereo channels with 4-band EQ
- ▶ Solo feature on each input and output
- ▶ 3-band EQ with swept mid-range plus low cut on each mono channel
- ▶ Solo feature on each input and output
- ▶ 3 AUX sends, one with Pre/Post switch
- ▶ Solo feature on each input and output
- ▶ 32/40-bit digital stereo multi-effect processor with 100+ tap delay plus foot switch
- ▶ Solo feature on each input and output
- ▶ Stereo 9-band graphic EQ, assignable to main mix or aux 1 send
- ▶ Solo feature on each input and output
- ▶ 2 true subgroups with main L and R routing switches
- ▶ 2 stereo aux returns with effect to monitor level control
- ▶ Solo feature on each input and output
- ▶ XLR connectors available on main L / R output
- ▶ Built-in switching power supply with universal connector, 100-240VAC, 50/60Hz
- ▶ Rack-mounting kit included

AM844D

8-Mic/Line 4-Stereo 4-Group Mixer with DFX



- ▶ Audiophile-Quality & ultra low noise
- ▶ 8 Mic/Line Mono channels
- ▶ 4 stereo channels (two with Mic input)
- ▶ 10 Mic preamps
- ▶ Direct Outputs for Multitrack recording
- ▶ 3 band EQ with swept mid range plus low cut on each mono channel
- ▶ 18dB/oct, 75Hz Loc Cut Filter on each mic channels
- ▶ 4 AUX Sends, AUX 1 & 2 with Pre/Post selector
- ▶ 24-bit digital stereo multi-effect processor with 100 programs, tap-delay and test-tones
- ▶ 4 stereo AUX Returns
- ▶ Solo selector on each input channel
- ▶ CTRL RM Phones with multi input source matrix selector
- ▶ 8 Subgroups with Fader control and L-R assign buttons
- ▶ Record Output
- ▶ 2T return with control level and TO MAIN L/R assign button
- ▶ Built-in switching power supply with universal connector, 90-260VAC, 50/60Hz
- ▶ 12V XLR Connector for gooseneck lamp
- ▶ Solo switch selector for AUX Returns

Specifications

	AM 120	AM 220	AM 240	AM 440	AM 240D	AM 440D	AM 442D	AM 642D	AM 844D
Inputs									
Total Channels	3	4	6	8	6	8	8	10	12
Balanced Mono Mic / Line channel	1	2	2	4	2	4	4	6	8
Balanced Mic/Stereo Line Channel	-	-	-	-	-	-	-	-	2
Balanced Stereo Line Channel	2	4	4	4	4	4	4	4	2 (Total=4)
Aux Return	N/A	1 stereo	-	2 stereo	-	2 stereo	2 stereo	2 stereo	4 stereo
ZT Input	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
Outputs									
Main L/R Stereo	2x 1/4" TRS, Unbal.	2x 1/4" TS, Unbal.	2x 1/4" TS, Unbal.	2x 1/4" TS, Unbal.	2x 1/4" TS, Unbal.	2x 1/4" TS, Unbal.	2x 1/4" TRS, bal. & 2x XLR	2x 1/4" TRS, Bal. & 2x XLR	2x 1/4" TRS, Bal. & 2x XLR
Main out with inserts	-	-	-	-	-	-	-	-	Yes
Rec Out	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	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	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS
Phones	1	1	1	1	1	1	1	1	2
Direct Out	-	-	-	-	-	-	-	-	Mic/Line Ch1- Ch8
Channel Strips	3	4	6	6	6	6	8	10	12
Aux Sends	N/A	1	1	2	1	2	2	3	4
Pan/Balance Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Channel insert	1	-	-	N/A	-	4	Ch 1 - Ch 4	Ch 1 - Ch 6	Ch 1 - Ch 8
Volume Controls	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	60mm fader	60mm fader	60mm fader
Master Section									
Aux Send Masters	-	-	-	-	-	-	2	3	3
Master Aux Send Solo	-	-	-	-	-	-	2	3	3
Stereo Aux Returns	-	-	-	-	-	-	2	2	4
Aux Return Assign to Subgroup	-	-	-	-	-	-	1	1	1
Effects Return to Monitor	-	-	-	-	-	-	2	2	2
Global AFL/PFL Solo Mode	-	-	-	-	-	-	Yes	Yes	Yes
Phones Level Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Faders	Main L & R (Rotary)	Main L & R	Main L & R	Main L & R	Main L & R	Main L & R	2subgroups, Main L & R	Aux return 2, Aux 1, 2 subgroups, Main L & R	4subgroups, Main L & R
Metering									
Number of Channels	2	2	2	2	2	2	2	2	2
Segments	4	4	4	4	4	4	12	12	12
Phantom Power Supply	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC
Switches	Master	Master	Master	Master	Master	Master	Master	Master	Master
32/40-bit Digital Effect Processor	-	-	-	-	100 effects with tap delay control, Test tone and foot switch (effect on/off)	100 effects with tap delay control, Test tone and foot switch (effect on/off)	100 effects with tap delay control, Test tone and foot switch (effect on/off)	100 effects with tap delay control, Test tone and foot switch (effect on/off)	100 effects with tap delay control, Test tone and foot switch (effect on/off)
Built-in Graphic EQ	-	-	-	-	-	-	-	Stereo 9-band	-
Center Frequency	-	-	-	-	-	-	-	60, 160, 315, 630, 1.25K, 2.5K, 5K, 10K, 16K Hz	-
Range	-	-	-	-	-	-	-	±12 dB	-
Frequency Response (Mic input to any output)									
20Hz - 60KHz	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB	+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	+0/-3 dB	+0/-3 dB	+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	<-90 dB	<-90 dB	<-90 dB	<-90 dB	<-90 dB	<-90 dB
Noise (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	-86.5 dBu	-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	-84 dBu	-84 dBu	-84 dBu	-84 dBu	-84 dBu
S/N ratio, ref to +4	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB
Microphone Preamp EIN (150 ohms terminated, max gain)	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm
THD (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%
CMRR (1 KHz @ -60dBu, Gain at maximum)	80dB	80dB	80dB	80dB	80dB	80dB	80dB	80dB	80dB
Maximum Level									
Mic Preamp Input	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu
All Other Input	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu
Balanced Output	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu
Impedance									
Mic Preamp Input	2 K ohms	2 K ohms	2 K ohms	2 K ohms	2 K ohms	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	10 K ohms	10 K ohms	10 K ohms	10 K ohms	10 K ohms
RCA ZT Output	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms
Ch Equalization	2-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15dB (4-band on Stereo Ch)	3-band, +/-15dB (4-band on Stereo Ch)	3-band, +/-15dB (4-band on Stereo Ch)
Low EQ	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz	80Hz	80Hz	80Hz
Mid EQ (mono channel)	N/A	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz	100-8k Hz, sweepable	100-8k Hz, sweepable	100-8k Hz, sweepable
LMid EQ (stereo channel)	-	-	-	-	-	-	800 Hz	800 Hz	800 Hz
HMid EQ (stereo channel)	-	-	-	-	-	-	3 kHz	3 kHz	3 kHz
Hi EQ	12 kHz	12 kHz	12 kHz	12 kHz	12 kHz	12 kHz	12 kHz	12 kHz	12 kHz
Low cut filter	75Hz (-18 dB/oct)	N/A	75Hz (-18 dB/oct)	75Hz (-18dB/oct)	75Hz (-18 dB/oct)	75Hz (-18dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
Built-in Power Supply	100 VAC, 120 VAC, 220 - 240 VAC, 50/60 Hz	100VAC, 120VAC, 220-240VAC, 50/60Hz	100VAC, 120VAC, 220-240VAC, 50/60Hz	100VAC, 120VAC, 220-240VAC, 50/60Hz	100VAC, 120VAC, 220-240VAC, 50/60Hz	100VAC, 120VAC, 220-240VAC, 50/60Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Weight	1.1 kg (2.4 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.7 kg (3.75 lbs)	1.5 kg (3.3 lbs)	1.7 kg (3.75 lbs)	4.2 kg (9.25 lbs)	4.8 kg (10.6 lbs)	5.9 kg (13 lbs)
Dimensions (WxHxD)	155.6 x 50.5 x 244 mm (6.12" x 1.99" x 9.62")	190 x 56 x 233 mm (7.48" x 2.2" x 9.17")	190 x 56 x 233 mm (7.48" x 2.2" x 9.17")	242 x 55 x 225mm (9.5" x 2.16" x 8.86")	190 x 56 x 233 mm (7.48" x 2.2" x 9.17")	242 x 55 x 225mm (9.5" x 2.16" x 8.86")	11.8" x 3.5" x 13.4" (300 x 89 x 340 mm)	407 x 89 x 357 mm (16" x 3.5" x 14")	418x140x438mm (16.5x5.5x17.25")