

PHONIC

AM SERIES

Professional Compact Mixer

AM120 MKIII | AM220 | AM240 | AM440 | AM440W | AM240D | AM440D | AM442D | AM642D | AM844D



Phonic's classic AM series of mixers are compact and versatile with anywhere between 1 and 8 mono Mic/Line and numerous stereo inputs. Ultra low-noise pre-amps ensure high quality sound when used in project studios or in sound reinforcement. Low-cut filters on mono channels eliminate unwanted sounds like stage rumble, P-pops, wind noise and low frequency recording studio room resonances. The multi-band EQ on mono channels gives you total 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 outputs.

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AM120 MKIII

1-Mic/Line 2-Stereo Input Compact Mixer



- ▶ 1 mic/line and 2 stereo channels
- ▶ 2-Band EQ on mono input channel
- ▶ RCA 2T RTN & 2T REC for CD or tape recorder
- ▶ 2T RTN offers additional 3.5mm ministereero jack
- ▶ Dual 4-segment master level meter
- ▶ Headphones output with volume control
- ▶ Peak LED on mono input channel
- ▶ Balanced master output

AM220

2-Mic/Line 2-Stereo Input Compact Mixer



- ▶ 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



- ▶ 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



- ▶ 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 master output with 60mm fader

AM240D

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



- ▶ 2 Mic/Line inputs with 3-band EQ and low cut
- ▶ 4 stereo inputs with +4/-10 select buttons
- ▶ Post-fader AUX Send on every input
- ▶ 32/40-bit Digital Effect Processor with 100 programs with tap-delay and test-tones
- ▶ Separated EFX route control assignable to main or monitor
- ▶ Global +48V phantom power
- ▶ Peak indicators on each mono input channel
- ▶ Convenient RCA stereo I/O for CD or MP3 players
- ▶ Stereo EFX Send cue for better monitoring of individual channels
- ▶ Balanced master output with 60mm fader control

AM SERIES

Professional Compact Mixer

AM440D | AM440W | AM442D | AM642D | AM844D

AM440D / AM440W



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

- ▶ 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
- ▶ Bluetooth connectivity for receiving audio from Bluetooth-enabled devices (AM440W)

AM442D

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



- ▶ 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



- ▶ 6 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
- ▶ 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 programs, tap-delay plus foot switch
- ▶ Stereo 9-band graphic EQ, assignable to main mix or AUX 1 Send
- ▶ 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



- ▶ 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
- ▶ 32/40-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

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Specifications

AM120 MKIII | AM220 | AM240 | AM440 | AM440W | AM240D | AM440D | AM442D | AM642D | AM844D

	AM120 MKIII	AM220	AM240	AM240D	AM440	AM440D / AM440W	AM442D	AM642D	AM844D
Inputs									
Total Channels	3	4	6	6	8	8	8	10	12
Balanced Mono Mic / Line Channel	1	2	2	2	4	4	4	6	8
Balanced Mic / Stereo Line Channel	-	-	-	-	-	-	-	-	2
Balanced Stereo Line Channel	2	4	4	4	4	4	4	4	2
Aux Return	-	1 stereo	-	-	2 stereo	2 stereo	2 stereo	2 stereo	4 stereo
2T Input	Stereo RCA & mini-stereo	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
Outputs									
Main L/R Stereo	1x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	2x 1/4" TRS, Bal. & 2x XLR	2x 1/4" TRS, Bal. & 2x XLR	2x 1/4" TRS, Bal. & 2x XLR
Aux/Efx Send	-	-	-	-	-	1x 1/4" TRS, Bal.	2x 1/4" TRS, Bal.	3x 1/4" TRS, Bal.	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	-	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS	2x 1/4" TS
Phones	1	1	1	1	1	1	1	1	2
Direct Outputs	-	-	-	-	-	-	-	-	CH 1 - 8
Channel Strips	3	4	6	6	6	6	8	10	12
Aux/Efx Send	-	1	1	1	2	2	2	3	4
Pan/Balance Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volume Controls	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	60mm fader	60mm fader	60mm fader
Inserts	1	-	-	-	-	4	4	6	8
Master Section									
Aux Send Mater	-	-	-	-	1	-	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
Phones Level Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Main L/R Level Control	Rotary VR	60 mm fader	60 mm fader	60 mm fader	60 mm fader	60 mm fader	60 mm fader	60 mm fader	60 mm fader
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
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 E.I.N. (150 ohms terminated, max gain)									
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)	80 dB	80 dB	80 dB	80 dB	80 dB	80 dB	80 dB	80 dB	80 dB
Maximum Level									
Mic Preamp Input	+10 dBu	+10 dBu	+10 dBu	+10 dBu	+10 dBu	+10 dBu	+10 dBu	+10 dBu	+10 dBu
All Other Input	+22 dBu	+22 dBu	+22 dBu	+22 dBu	+21 dBu	+21 dBu	+21 dBu	+21 dBu	+21 dBu
Balanced Output	+28 dBu	+28 dBu	+28 dBu	+28 dBu	+28 dBu	+28 dBu	+28 dBu	+28 dBu	+28 dBu
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 2T 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
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	-	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
Hi-Mid EQ	-	-	-	-	-	-	800 Hz	800 Hz	800 Hz
Lo-Mid EQ	-	-	-	-	-	-	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)	-	75Hz (-18 dB/oct)	75Hz (-18 dB/oct)	75Hz (-18dB/oct)	75Hz (-18dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
32/40-bit Digital Effect Processor									
	-	-	-	100 effects with tap delay	-	100 effects with tap delay	100 effects with tap delay	100 effects with tap delay	100 effects with tap delay
Power Requirement (depends on region)									
	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	100VAC, 120VAC, 220~240VAC, 50/60Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Weight									
	1.1 kg	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.7kg (3.75 lbs)	1.72 kg (3.78 lbs)	9.25 lbs (4.2 kg)	10.6 lbs (4.8 kg)	13 lbs (5.9 kg)
Dimensions (WxHxD)									
	155.6 x 50.5 x 244 mm (6.12" x 1.99" x 8.82")	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")	190 x 56 x 233 mm (7.48" x 2.2" x 9.17")	242 x 55 x 228mm (9.5" x 2.2" x 8.99")	242 x 56 x 228mm (9.5" x 2.16" x 8.99")	300 x 103.5 x 340 mm (11.8" x 4.11" x 13.4")	407 x 104.5 x 357 mm (16" x 4.07" x 14")	418 x 149 x 420 mm (16.46" x 5.89" x 16.54")