

AM55 | AM85 | AM105 | AM105FX | AM125 | AM125FX



Phonic's compact AM series of mixers are reliable and versatile with anywhere between 1 and 4 mono Mic/Line and 2 to 4 stereo line inputs. Ultra low-noise pre-amps ensure high quality sound when used in project studios or in sound reinforcement. The multi-band EQ on mono channels gives you total control over your mix. Each model offers a high volume headphone output with independent level control. The AM series makes monitoring the mix even easier with dual multi-segment LED level meters and stereo control room outputs on select models. FX models feature a single user-adjustable multi-delay effect. Affordable and easily manageable, these AM models perform on all the features that are important to you.

## AM 55 1-Mic/Line 2-Stereo Compact Mixer



- ▶ 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

## AM 85 2-Mic/Line 2-Stereo Compact Mixer



- ▶ 2 mic/line inputs with 3-band EQ
- ▶ 2 stereo inputs
- ▶ 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

## AM 105 2-Mic/Line 4-Stereo Compact Mixer



- ▶ 2 balanced mic/line inputs with 3-band EQ and low cut
- ▶ 4 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
- ▶ Stereo AUX/EFX send cue for better monitoring individual channel
- ▶ Balanced master output

# AM SERIES

## Professional Compact Mixer

AM105FX | AM125 | AM125FX

### AM 105FX 2 Mic/Line 4 Stereo Compact Mixer with EFX



- ▶ 2 balanced Mic/Line inputs with 3-band EQ and low cut
- ▶ 4 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
- ▶ Multi-delay EFX processor with parameter control for easy and flexible applications
- ▶ Balanced master output

### AM 125 4-Mic/Line 4-Stereo Compact Mixer



- ▶ 4 mic/line channels
- ▶ 4 stereo channels
- ▶ AUX sends on every 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 TRS output

### AM 125FX 4 Mic/Line 4 Stereo Compact Mixer with EFX



- ▶ 4 mic/line channels
- ▶ 4 stereo channels
- ▶ Aux sends per channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 3-band EQ on each channel
- ▶ Multi-delay EFX processor with parameter control for easy and flexible applications
- ▶ +48V phantom power on mic channels
- ▶ Control room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel

# AM SERIES

## Professional Compact Mixer

### Specifications

### AM55 | AM85 | AM105 | AM105FX | AM125 | AM125FX

	AM55	AM85	AM105	AM105FX	AM125	AM125FX
<b>Inputs</b>						
<b>Total Channels</b>	3	4	6	6	8	8
Balanced Mono Mic / Line channel	1	2	2	2	4	4
Balanced Stereo Line Channel	2	4	4	4	4	4
Aux Return	-	1 stereo	-	-	2 stereo	2 stereo
2T Input	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
<b>Outputs</b>						
Main L/R Stereo	2 x 1/4" TRS, Bal.	2 x 1/4" TRS, Bal.	2 x 1/4" TRS, Bal.	2 x 1/4" TRS, Bal.	2 x 1/4" TRS, Bal.	2 x 1/4" TRS, Bal.
Rec Out	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
Phones	1	1	1	1	1	1
<b>Channel Strips</b>	3	4	6	6	6	6
Aux Sends	-	1	1	1	2	2
Pan/Balance Control	Yes	Yes	Yes	Yes	Yes	Yes
Channel insert	-	-	-	-	-	4
Volume Controls	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
<b>Master Section</b>						
<b>Aux Send Masters</b>	-	-	-	-	Yes	Yes
Phones Level Control	Yes	Yes	Yes	Yes	Yes	Yes
<b>Faders</b>	Main L & R (Rotary)	Main L & R	Main L & R	Main L & R	Main L & R	Main L & R
<b>Metering</b>						
Number of Channels	2	2	2	2	2	2
Segments	4	4	4	4	4	4
<b>Phantom Power Supply</b>	-	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC
Switches	Master	Master	Master	Master	Master	Master
<b>Digital Effect Processor</b>	-	-	-	1Digital EFX with one Variation control	-	1Digital EFX with one Variation control
20Hz ~ 60KHz	+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
<b>Diafonia</b> (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
<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	-86.5 dBu	-86.5 dBu
Master @ unity, channel fader @ unity	-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
<b>Microphone Preamp E.I.N.</b> (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%
<b>CMRR</b> (1 KHz @ -60dBu, Gain at maximum)	80dB	80dB	80dB	80dB	80dB	80dB
<b>Maximum Level</b>						
Mic Preamp Input	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu
All Other Input	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu
Balanced Output	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu
<b>Impedance</b>						
Mic Preamp Input	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
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
<b>Ch Equalization</b>	2-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB
Low EQ	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz
Mid EQ (mono channel)	-	2.5 KHz	2.5 KHz	2.5 KHz	2.5 KHz	2.5 KHz
Hi EQ	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)
<b>Built-in Power Supply</b>	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
<b>Weight</b>	0.63 kg (1.4 lbs)	0.95 kg (2.10 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.77 kg (3.90 lbs)	1.77 kg (3.90 lbs)
<b>Dimensions (WxHxD)</b>	120x54.3 x175mm (4.72"x 2.14" x2.88")	145x56.9x234mm (5.71"x2.24"x9.21")	175x62.8 x236mm (6.89"x2.47"x9.29")	175x62.8 x236mm (6.89"x2.47"x9.29")	216x62.8 x236mm (8.5"x2.47" x9.29")	216x62.8 x236mm (8.5"x2.47" x9.29")

Information in this document is subject to change without notice.

Page 4