

AM1204

4 Mic/Line, 2 Stereo Line Input Compact Mixer

AM1204FX

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

AM1204FX USB

4 Mic/Line, 2 Stereo Line Input Compact Mixer with DFX & USB Interface

AM1204FX USBR

4 Mic/Line, 2 Stereo Line Input Compact Mixer with DFX & USB Interface & Recorder



AM1204



AM1204FX



AM1204FX USB



AM1204FX USBR

Features

- ▶ Four mono mic/line channels with two stereo line inputs
- ▶ Accepts balanced and unbalanced input connections
- ▶ Four of Phonic's famously low-noise preamplifiers
- ▶ Control room/Phones source matrix for monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channels
- ▶ Musical 3-band equalizer available on each and every channel
- ▶ 75Hz low-cut filter on mono channel for removing rumble
- ▶ Stereo RCA 2T Tape In and Rec Out
- ▶ Stereo balanced XLR master outputs
- ▶ Global +48V phantom power for condenser microphones
- ▶ ALT 3/4 mix for diverting signals from muted channels
- ▶ Universal power supply, accepting 100V to 240V AC
- ▶ Ideal for sub mixes, small performances and studio application

All 'FX' Models Include:

- ▶ 32-bit DFX processor with 16 presets and footswitch jack
- ▶ Parameter control for adjusting each preset's individual parameter

All 'USB' Models Include:

- ▶ Stereo audio interface for digital audio recording and playback
- ▶ Plug-and-play compatibility with modern PC and Mac computers
- ▶ 16-bit resolution at sampling rates of 48 kHz
- ▶ Variable compressor on every mono channel

'R' Model Includes:

- ▶ Digital audio recording to and playback from USB flash drives
- ▶ SOLO button on each channel for versatile monitoring

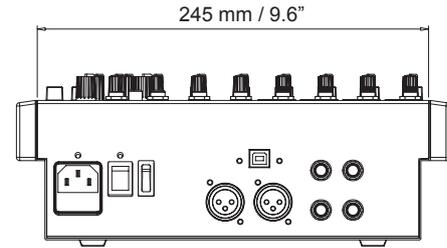
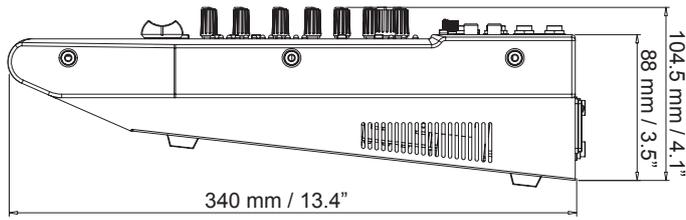
Description

The AM1204, AM1204FX, AM1204FX USB and AM1204FX USBR compact mixers feature four mono microphone/line inputs in conjunction with two stereo line inputs for flexible input possibilities. Each channel features a super-musical 3-band equalizer, while mono channels also offer 75Hz low-cut filters for removing stage rumble and other unwanted low-frequency sounds. Our 'FX' models feature a 32-bit DFX processor with 16 preset effects - each with its own user-adjustable parameter! This new AM range is rounded off with the AM1204FX USB and AM1204FX USBR, flexible analog mixers with stereo USB audio interfaces that allow two tracks of audio to be streamed both to and from any modern PC or Mac computer. All AM1204 mixers offer an additional ALT 3/4 mix that redirects muted signals from all channels to their very own mix. A universal power supply, accepting AC voltages from 100V to 240V, ensures the unit can be used globally.

AM SERIES

Professional Compact Mixers

Dimensions



Specifications

	AM1204	AM1204FX	AM1204FX USB	AM1204FX USBR
Inputs				
Total Channels	8	8	8	8
Balanced Mono Mic / Line Channel	4	4	4	4
Balanced Stereo Line Channel	2	2	2	2
AUX Return	2 stereo	2 stereo	2 stereo	2 stereo
2T Input	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
Outputs				
Main L/R Stereo	Bal. XLR x 2			
ALT 3-4	1	1	1	1
Rec Out	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
CTRL RM L/R	2 x 1/4" TS			
Phones	1	1	1	1
Channel Strips	6	6	6	6
Compressors	-	-	4	4
SOLO Buttons	-	-	-	6
AUX Send (Pre)	1	1	1	1
EFX Send (Post)	1	1	1	1
Pan/Balance Control	Yes	Yes	Yes	Yes
Volume Controls	60mm fader	60mm fader	60mm fader	60mm fader
Master Section				
Phones Level Control	Yes	Yes	Yes	Yes
Main L/R Level Control	60 mm fader	60 mm fader	60 mm fader	60 mm fader
Level Meter	11-segment	11-segment	11-segment	11-segment
Phantom Power Supply	+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
20Hz ~ 100KHz	+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
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
Master @ unity, channel fader @ unity	-84 dBu	-84 dBu	-84 dBu	-84 dBu
S/N ratio, ref to +4	>90 dB	>90 dB	>90 dB	>90 dB
Microphone Preamp E.I.N. (150 ohms terminated, max gain)	<-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%
CMRR (1 KHz @ -60dBu, Gain at maximum)	80dB	80dB	80dB	80dB
Maximum Level				
Mic Preamp Input	+10dBu	+10dBu	+10dBu	+10dBu
All Other Input	+22dBu	+22dBu	+22dBu	+22dBu
Balanced Output	+28dBu	+28dBu	+28dBu	+28dBu
Impedance				
Mic Preamp Input	2 K ohms	2 K ohms	2 K ohms	2 K ohms
All Other Input	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
Equalization				
Low EQ	80Hz	80Hz	80Hz	80Hz
Mid EQ	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz
High EQ	12 kHz	12 kHz	12 kHz	12 kHz
Low Cut Filter	75 Hz (-18 dB/oct)			
USB Audio				
Connector Type	-	-	Stereo In/Out	Stereo In/Out + Recording/Playback
Bitrate	-	-	16-bit	16-bit
Sampling Rate	-	-	48 kHz	48 kHz
Digital Effect Processor				
Footswitch Jack	-	Yes	Yes	Yes
Power Requirements	100-240 VAC, 50/60 Hz			
Weight	4.0 kg (8.8 lbs)			
Dimensions (WxHxD)	245 x 104.5 x 340 mm (9.65" x 4.11" x 13.39")	245 x 104.5 x 340 mm (9.65" x 4.11" x 13.39")	245 x 104.5 x 340 mm (9.65" x 4.11" x 13.39")	245 x 104.5 x 340 mm (9.65" x 4.11" x 13.39")

Information in this document is subject to change without notice.

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