



Key Features

- ▶ Professional quality stereo USB recording interface provides audio superior to CDs (24-bit, 48 KHz)
- ▶ Integrated TF+BT module for recording uncompressed audio and playback/streaming audio in multiple formats
- ▶ WAV and MP3 recording bitrates selectable by user through onboard menu
- ▶ Entirely new, elegant design with classic feel mixed with modern, sleek LED metering
- ▶ Uncompromisingly low-noise design handles all audio with the utmost of care
- ▶ Utilizes branded Neutrik Combo jacks for unmatched performance
- ▶ USB interface with 'loopback' function, user-assignable to headphones or control room mixes

Description

Phonic's all-new Gold Editions of the classic AM series of mixers offer more ways to record your audio than ever before. We begin with a stereo USB interface for sending audio to and from any modern PC or Mac computer. This allows recording of digital audio in quality far superior to the average compact disc (24-bit, 48 KHz), plus a user-assignable 'loopback' return signal for monitoring or music playback. A superior onboard module is also included, offering both TF recording and playback in addition to Bluetooth connectivity. The TF portion allows stereo recordings to be made in uncompressed WAV (up to 1536Kbps) or MP3 format (up to 192KHz), providing phenomenal recording quality previously unavailable without additional, external equipment. Integrated stereo recording at its finest!

The AM Gold Editions still provide many of the analog standards. Ultra low-noise pre-amps ensure high quality sound when used in project studios or in sound reinforcement. Neutrik-brand combo input connectors are utilized for unparalleled audio while our advanced analog circuitry ensures your audio is handled with the utmost of care. The multi-band EQ on mono channels gives you total control over your audio. The AM Gold Editions also makes monitoring the mix easy with its dual multi-segment LED level meters, EFX to monitor control and high volume headphone outputs.

AM5GE

1-Mic/Line 2-Stereo Input Compact Mixer with BT, TF Recorder and USB Interface



- ▶ One balanced Mic/Line Neutrik "Combo" input with compressor and 2-band EQ
- ▶ Two stereo input channels with balance and level controls
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ User assignable Loopback function for USB interface, assignable to MAIN or PHONES
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio directly from smartphones and tablets
- ▶ +48V phantom power for mic input
- ▶ Peak and VU metering (10 segments)
- ▶ Peak indicators on mono input channel
- ▶ Stereo RCA 2T Return input connectors plus mini-stereo connectors
- ▶ Balanced master output with main rotary control
- ▶ Headset mic and headphone connectors perfect for livestreaming and web conferencing
- ▶ Powered through USB (5V - 20V DC), adapter included

AM6GE

2-Mic/Line 2-Stereo Input Compact Mixer with BT, TF Recorder and USB Interface



- ▶ Two balanced Mic/Line Neutrik "Combo" inputs with 3-band EQ and variable compressor
- ▶ Two stereo inputs with 3-band EQs
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ User assignable Loopback function for USB interface, assignable to MAIN or CTRL RM
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio directly from smartphones and tablets
- ▶ One stereo AUX return
- ▶ Post-fader AUX send on every input
- ▶ Global +48V phantom power for microphone inputs
- ▶ Peak and VU metering (10 segment)
- ▶ Peak indicators on both mono input channels
- ▶ Balanced master output with 60mm fader control
- ▶ Headset mic and headphone connectors perfect for livestreaming and web conferencing
- ▶ Powered through USB (5V - 20V DC), adapter included

AM8GE

4-Mic/Line 2-Stereo Input Compact Mixer with DFX, plus BT, TF Recorder and USB Interface



- ▶ Four mono mic/line Neutrik "Combo" channels with user-adjustable compressors
- ▶ Two stereo channels with EFX, balance and level controls
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio directly from smartphones and tablets
- ▶ 32/40-bit digital effect processor with 16 effect programs and one main parameter control
- ▶ EFX send control available on each channel
- ▶ 75Hz low-cut filter and 2-band EQ on each mono channel
- ▶ Peak and VU metering (10 segment)
- ▶ +48V phantom power for microphone inputs
- ▶ Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ Balanced main outputs with 60mm fader

AM12GE

4-Mono 4-Stereo Input 2-Group Compact Mixer with DFX plus BT, TF Recorder and USB Interface



- ▶ Four mono mic/line Neutrik "Combo" input channels with user-adjustable compressors
- ▶ Two stereo mic/line channels with XLR inputs, plus two stereo line inputs
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio directly from smartphones and tablets
- ▶ 32/40-bit digital effect processor with 16 effect programs and one main parameter control
- ▶ 3-band EQ with swept mid on each mono channel, 4-band on stereo channels
- ▶ AUX sends on each channel
- ▶ +48V phantom power on mic channels
- ▶ Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channels
- ▶ Balanced main outputs with independent 60mm L/R faders

AM14GE

6-Mono 4-Stereo Input 2-Group Mixer with DFX, plus BT, TF Recorder and USB Interface



- ▶ Six Mic/Line Neutrik "Combo" inputs with inserts, compressors, 3-band EQ and phantom power
- ▶ Two stereo channels with XLR inputs, plus two stereo line inputs
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio from smart-devices
- ▶ 3-band, swept-mid EQ plus low cut on each mono channel, 4-band on stereo channels
- ▶ 3 AUX sends, one with channel Pre/Post switches
- ▶ Solo feature on each input and output
- ▶ 32/40-bit digital effect processor with 16 effect programs and one main parameter control
- ▶ 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
- ▶ Optional rack mounting kit (sold separately)

AM16GE

8-Mono 4-Stereo Input 4-Group Mixer with DFX, plus BT, TF Recorder and USB Interface



- ▶ Eight Mic/Line Neutrik "Combo" input channels with compressors and low cut filters
- ▶ Two stereo channels with XLR inputs, plus two stereo line inputs
- ▶ Stereo USB audio interface for PC and Mac computers (24-bit, 48 KHz)
- ▶ Playback of MP3, WAV and FLAC files from TF media
- ▶ Internal TF module for recording stereo audio in WAV or MP3 formats
- ▶ 2.4GHz Bluetooth connectivity for streaming digital audio from smart-devices
- ▶ 3-band, swept-mid EQ on each mono channel, 4-band EQs on stereo inputs
- ▶ 4 AUX sends on each channel, 4 stereo AUX returns with effect to monitor level control
- ▶ 32/40-bit digital effect processor with 16 effect programs and one main parameter control
- ▶ 4 true subgroups with main L and R routing switches
- ▶ Solo feature on each input and output
- ▶ Serial INSERT and DIRECT OUT connectors
- ▶ XLR and 1/4" connectors available on main L / R output plus main insert
- ▶ Built-in switching power supply with universal connector, 100-240 VAC, 50/60Hz
- ▶ Optional rack mounting kit (sold separately)

Specifications

High Resolution Digital Recording Mixer Series

	AM5GE	AM6GE	AM8GE	AM12GE	AM14GE	AM16GE
Inputs						
Total Channels	5	6	8	12	14	16
Balanced Mono Mic / Line Channel	1	2	4	4	6	8
Balanced Stereo Mic/Line Channel	-	-	-	-	2	2
Balanced Stereo Line Channel	2	2	2	4	2	2
AUX Return	-	1 stereo	-	2 stereo	2 stereo	4 stereo
2T Input	Stereo RCA & mini-stereo	Stereo RCA	-	Stereo RCA	Stereo RCA	Stereo RCA
Headset/Microphone	Yes (1/8" TRS + 1/8" TS)	Yes (1/8" TRS + 1/8" TS)	-	-	-	-
Outputs						
Main L/R Stereo	1x 1/4" TRS	2x 1/4" TRS	2 x 1/4" TRS	2 x 1/4" TRS & 2 x XLR	2 x 1/4" TRS & 2 x XLR	2 x 1/4" TRS & 2 x XLR
AUX/EFX Send	-	-	1 x 1/4" TS	2 x 1/4" TS	3 x 1/4" TS	4 x 1/4" TS
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
Channel Strips	3	4	6	8	10	12
AUX/EFX Send	-	1	1	2	3	4
Pan/Balance Control	Yes	Yes	Yes	Yes	Yes	Yes
Volume Controls	Rotary	Rotary	Rotary	60mm fader	60mm fader	60mm fader
Inserts	-	-	-	-	6	Serial
Master Section						
AUX Send Master	-	-	-	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	-	-	-	1	1	2
Phones Level Control	Yes	Yes	Yes	Yes	Yes	Yes
Main L/R Level Control	Rotary VR	60 mm fader	60 mm fader	2 x 60 mm fader	2 x 60 mm fader	60 mm fader
USB Interface	Stereo In/Out	Stereo In/Out	Stereo In/Out	Stereo In/Out	Stereo In/Out	Stereo In/Out
Connector Types	USB Type-B	USB Type-B	USB Type-B	USB Type-B	USB Type-B	USB Type-B
Interface Bit Rate / Sampling	24-bit / 48 kHz	24-bit / 48 kHz	24-bit / 48 kHz	24-bit / 48 kHz	24-bit / 48 kHz	24-bit / 48 kHz
USB Return Button	MAIN / PHONES	MAIN / CTRL RM	MAIN	CTRL RM	MAIN / CTRL RM	MAIN / CTRL RM
TF Card Recording	WAV / MP3	WAV / MP3	WAV / MP3	WAV / MP3	WAV / MP3	WAV / MP3
Available Recording Bitrates	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps	MP3: 32, 64, 128, 192 kbps WAV: 512, 768, 1024, 1536 kbps
Bluetooth Connectivity	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Metering	2 x 10	2 x 10	2 x 10	2 x 20	2 x 20	2 x 20
Phantom Power Supply	+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
20Hz - 100KHz	+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
Noise (20Hz to 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
Microphone Preamp E.I.N. (150 ohms terminated, max gain)	<-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%
CMRR (1 KHz @ -60dBu, Gain at max.)	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
All Other Input	+22 dBu	+22 dBu	+21 dBu	+21 dBu	+21 dBu	+21 dBu
Balanced Output	+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
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
Equalization						
	2-band, +/- 15 dB (mono only)	2-band, +/-15 dB (3-band on Stereo Ch)	2-band, +/-15 dB (mono only)	3-band, +/-15dB (4-band on Stereo Ch)	3-band, +/-15dB (4-band on Stereo Ch) 9-band GEQ on Main	3-band, +/-15dB (4-band on Stereo Ch)
Low EQ	80 Hz	80 Hz	80 Hz	80Hz	80Hz	80Hz
Mid EQ	-	2.5 KHz (stereo ch)	-	100-8k Hz, sweepable	100-8k Hz, sweepable	100-8k Hz, sweepable
Hi-Mid EQ (Stereo Channel)	-	-	-	800 Hz	800 Hz	800 Hz
Lo-Mid EQ (Stereo Channel)	-	-	-	3 kHz	3 kHz	3 kHz
Hi EQ	12 KHz	12 KHz	12 KHz	12 kHz	12 kHz	12 kHz
Low Cut Filter	-	-	75Hz (-18dB/oct)	-	-	75 Hz (-18 dB/oct)
32/40-bit Digital Effect Processor	-	-	16 EFX	16 EFX	16 EFX	16 EFX
Power Requirement (depends on region)	5V - 20V DC (USB)	5V - 20V DC (USB)	100VAC, 120VAC, 220 to 240VAC, 50/60Hz	100 to 240 VAC, 50/60 Hz (Internal)	100 to 240 VAC, 50/60 Hz (Internal)	100 to 240 VAC, 50/60 Hz (Internal)
Dimensions (W x H x D)	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")	242 x 55 x 228 mm (9.5" x 2.2" 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")
Weight	1.1 kg (2.4 lbs)	1.5 kg (3.3 lbs)	1.7kg (3.75 lbs)	4.2 kg (9.25 lbs)	4.8 kg (10.6 lbs)	5.9 kg (13 lbs)

Information in this document is subject to change without notice.

Page 4

AM Gold Edition Data Sheet 2/14/2019