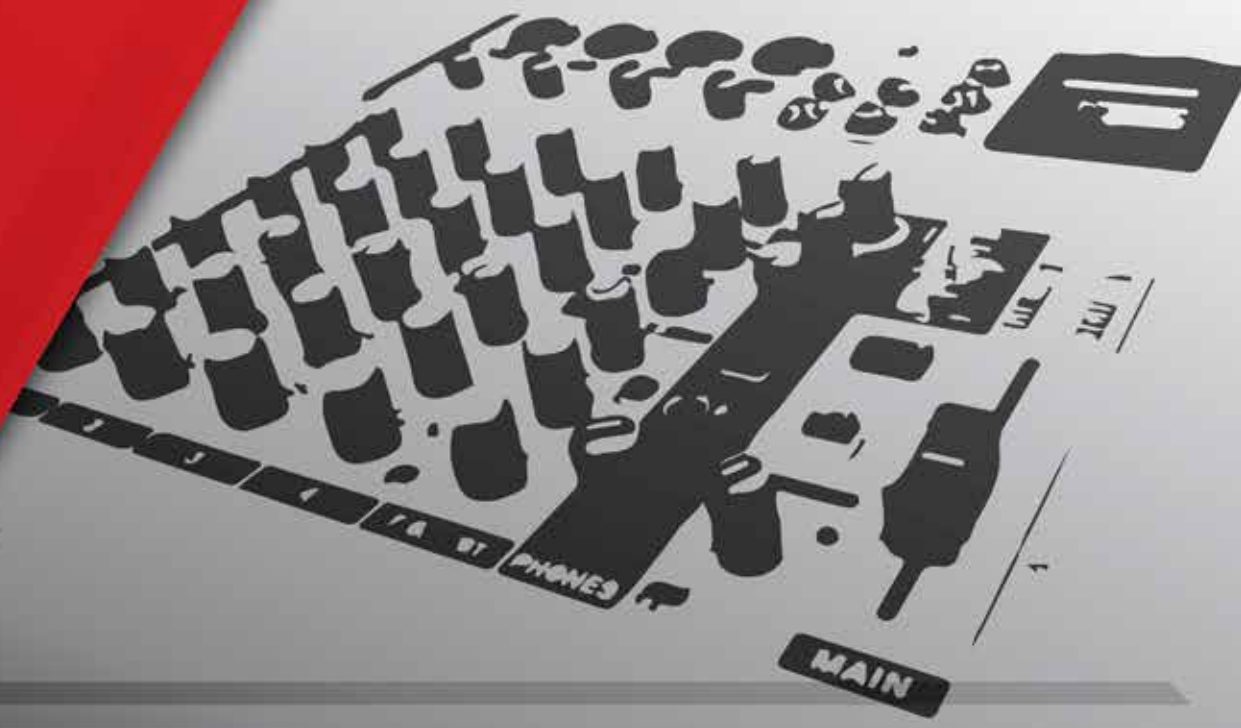




PHONIC

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PROFESSIONAL AUDIO 2022



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MIXER



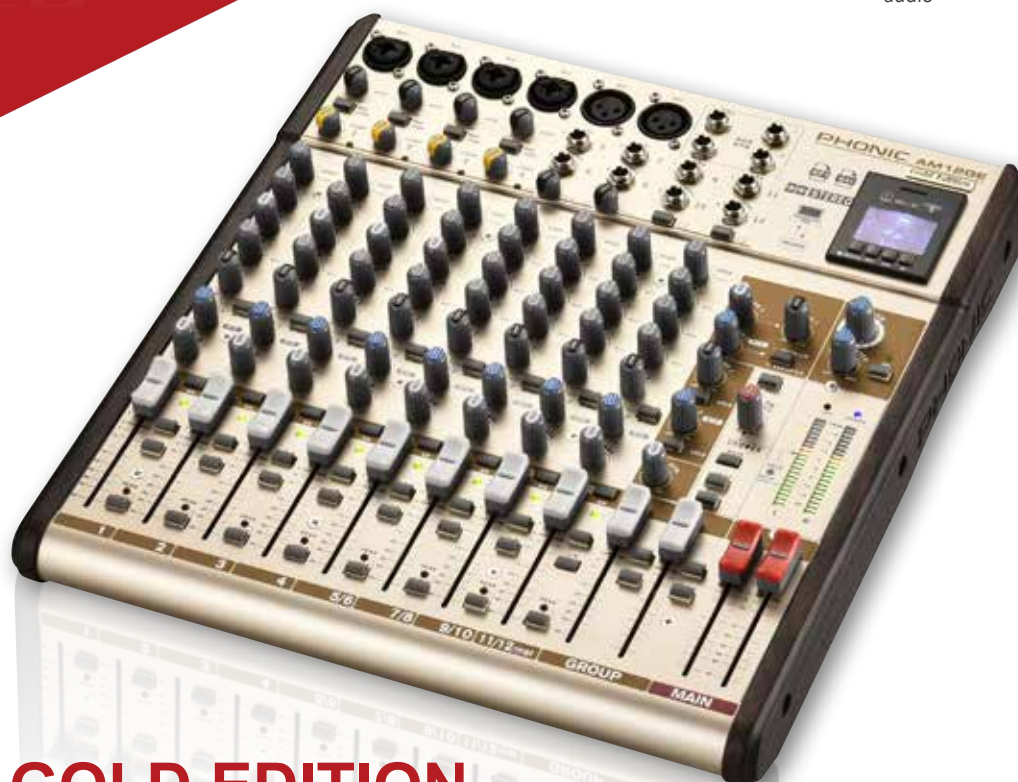
Compunder



Wireless
audio



Flexible WAV &
MP3 Recording



AM GOLD EDITION

Common Features:

- ▶ Record audio in uncompressed wav or compact mp3 format and upload audio to the web from your PC
- ▶ Recording quality up to 192Kbps (MP3) or 1536Kbps (WAV) determined by the user
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ Supports playback of numerous digital formats including wav, mp3 and flac
- ▶ USB connectivity for stereo streaming to and from the computer - no driver required!
- ▶ Flexible 'compunder' (compressor/expander) available on mono channels
- ▶ Auxiliary mix with independent AUX out control
- ▶ Independent stereo headphone output jack
- ▶ Stereo RCA 2T return and record out

	AM5GE	AM6GE	AM8GE	AM12GE	AM14GE
Total Channels	5	6	8	12	14
Mono/Stereo Input Channels	1/2	2/2	4/2	4/4	6/4
Mic Preamps	1	2	4	6	8
AUX/EFX Sends	-	1	1	2	3
AUX Return	-	1 stereo	-	2 stereo	2 stereo
Compressor	1	2	4	4	6
Metering	2 x 10	2 x 10	2 x 10	2 x 20	2 x 20
Equalization	2-band (mono)	2-band (mono), 3-band (stereo)	2-band (mono)	3-band swept mid (mono), 4-band (stereo)	3-band swept mid (mono), 4-band (stereo), 9-band Main GEQ
32/40-bit DFX Processor	-	-	16 Programs	16 Programs	16 Programs
Other Features	Phantom Power, TF Recorder, USB Interface, Bluetooth, Headset Input/Output	Phantom Power, TF Recorder, USB Interface, Bluetooth, Headset Input/Output	Phantom Power, TF Recorder, USB Interface, Bluetooth	Phantom Power, TF Recorder, USB Interface, Bluetooth	Phantom Power, TF Recorder, USB Interface, Bluetooth



All Gold Edition models of our classic AM mixer series are endowed with a phenomenal TF / BT module that can play high resolution and uncompressed digital audio files, plus record audio in beautiful, uncompressed WAV or compact MP3 formats. Integrated Bluetooth allows flawless streaming from all modern smartphones and tablets.



AM5GE / AM6GE / AM8GE / AM12GE / AM14GE



AM5GE

1-Mic/Line, 2-Stereo Line Input Compact Mixer with Bluetooth & TF Recording/Playback

- ▶ One Neutrik combo mic/line and two stereo channels
- ▶ 2-band EQ on mono input channel
- ▶ RCA & mini-stereo 2T return
- ▶ Stereo 10 segment level metering
- ▶ Headset mic and headphones connectors perfect for livestreaming and web conferencing
- ▶ Powered via 5V USB (adapter included)
- ▶ 155.6 x 50.5 x 244 mm (6.12" x 1.99" x 8.82") / 1.1 kg (2.4 lbs)



AM6GE

2-Mic/Line, 2-Stereo Line Input Compact Mixer with Bluetooth & TF Recording/Playback

- ▶ Two balanced Neutrik combo mic/line with 2-band EQ
- ▶ Two stereo inputs with 3-band EQ
- ▶ 1 stereo AUX return
- ▶ Post-fader AUX send on every input
- ▶ Stereo 10 segment level metering
- ▶ 2T RTN/USB to Main or Control Room assignment buttons
- ▶ Headset mic and headphones connectors perfect for livestreaming and web conferencing
- ▶ Powered via 5V USB (adapter included)
- ▶ 190 x 56 x 233 mm (7.48" x 2.2" x 9.17") / 1.5 kg (3.3 lbs)



AM8GE

4-Mic, 2-Stereo Line Input Compact Mixer with DFX, Bluetooth and TF Recording/Playback

- ▶ Four mono Neutrik combo mic/line and two stereo channels
- ▶ AUX send on each channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 2-band EQ on mono channels
- ▶ Stereo 10 segment level metering
- ▶ Control Room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ 32/40-bit DFX processor with 16 programs and main parameter control
- ▶ 242 x 55 x 228 mm (9.5" x 2.2" x 8.99") / 1.7kg (3.75 lbs)



AM12GE

4-Mono, 4-Stereo Input 2-Group Mixer with DFX, Bluetooth & TF Recording/Playback

- ▶ Four Neutrik combo mic/line inputs with phantom power
- ▶ Four stereo channels with 4-band EQ (two with XLR inputs)
- ▶ 3-band EQ with swept mid-frequency on mono channels
- ▶ 32/40-bit DFX processor with 16 programs each with a user-adjustable parameter
- ▶ Stereo 20 segment level metering
- ▶ 2 stereo AUX returns with effect to monitor
- ▶ ER-12GE rack mounting kit sold separately
- ▶ 300 x 103.5 x 340 mm (11.8" x 4.11" x 13.4") / 4.2 kg (9.25 lbs)



AM14GE

6-Mono, 4-Stereo Input 2-Group Analog Mixer with DFX, Bluetooth & TF Recording/Playback

- ▶ Six mono Neutrik combo mic/line channels with 3-band swept-mid EQs
- ▶ Four stereo channels with 4-band EQs (two with XLR inputs)
- ▶ AUX send on each channel
- ▶ 3-band EQ on mono channels
- ▶ Control Room/Phones source matrix for maximum monitor flexibility
- ▶ 32/40-bit DFX processor with 16 programs each with a user-adjustable parameter
- ▶ 2 true subgroups with main L and R routing switches
- ▶ Stereo 20 segment level metering
- ▶ ER-14GE rack mounting kit sold separately
- ▶ 407 x 104.5 x 357 mm (16" x 4.07" x 14") / 4.8 kg (10.6 lbs)



AM220

2-Mic, 2-Stereo Line Input Compact Mixer

- ▶ Two balanced mic/line and two stereo inputs with 3-band EQ
- ▶ 1 stereo AUX return
- ▶ Post-fader AUX send on every input
- ▶ Peak and VU metering
- ▶ 2T RTN assignable individually to Main or Control Room
- ▶ Playback of digital audio files from USB media ("P" model only, as pictured)
- ▶ 60mm master fader
- ▶ 190 x 56 x 233 mm (7.48" x 2.2" x 9.17") / 1.5 kg (3.3 lbs)



AM220P

2-Mic, 2-Stereo Line Input Compact Mixer with USB Playback

- ▶ Two balanced mic/line and two stereo inputs with 3-band EQ
- ▶ 1 stereo AUX return
- ▶ Post-fader AUX send on every input
- ▶ Peak and VU metering
- ▶ 2T RTN assignable individually to Main or Control Room
- ▶ Playback of digital audio files from USB media ("P" model only, as pictured)
- ▶ 60mm master fader
- ▶ 190 x 56 x 233 mm (7.48" x 2.2" x 9.17") / 1.5 kg (3.3 lbs)



AM440

4-Mic, 4-Stereo Line Input Compact Mixer

- ▶ Four balanced mic/line and four stereo input channels
- ▶ 32/40-bit DFX processor with 16 programs and main parameter control ("D" model)
- ▶ AUX send on each channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 3-band EQ on mono channels
- ▶ Control Room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ 242 x 56 x 228 mm (9.5" x 2.2" x 9") / 1.63 kg 3.6 lbs)



AM440D/440DP

4-Mic, 4-Stereo Line Input Compact Mixer with DFX & USB Playback

- ▶ Four balanced mic/line and four stereo input channels
- ▶ 32/40-bit DFX processor with 16 programs and main parameter control ("D" model)
- ▶ DFX & Playback of digital audio files from USB media ("DP" model only, as pictured)
- ▶ AUX send on each channel
- ▶ 75Hz low-cut filter on mono channel
- ▶ 3-band EQ on mono channels
- ▶ Control Room/Phones source matrix for maximum monitor flexibility
- ▶ EFX/AUX send cue for monitoring individual channel
- ▶ 242 x 56 x 228 mm (9.5" x 2.2" x 9") / 1.63 kg 3.6 lbs)



AM642D USB

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

- ▶ Six mic/line channels with inserts and phantom power
- ▶ Four stereo channels with 4-band EQ
- ▶ Stereo USB audio interface for PC and Mac computers
- ▶ 3-band EQ w/swept mid-range on mono channels
- ▶ Stereo 9-band graphic EQ for Main or AUX
- ▶ 2 stereo AUX returns with effect to monitor level control
- ▶ 407 x 103.5 x 357 mm (16" x 4.12" x 14") / 4.8 kg (10.6 lbs)



AM844D USB

10-Mic, 8-Mono, 4-Stereo Line 4-Group Mixer with DFX & USB Interface

- ▶ Eight mic/line channels with inserts and phantom power
- ▶ Four stereo line channels with 4-band EQ
- ▶ 10 mic preamps in total across 8 mono and 2 stereo channels
- ▶ One-knob compressor on mono input channels
- ▶ Direct outputs for multi-track recording
- ▶ 4 AUX sends, aux 1 & 2 with Pre/Post selector
- ▶ 4 stereo AUX returns with solo switch selector
- ▶ Stereo USB audio interface for PC and Mac computers
- ▶ CTRL RM/Phones with multi input source matrix selector
- ▶ 418 x 150 x 420 mm (16.5" x 5.9" x 16.5") / 5.9 kg (13 lbs)

**AM
SERIES**

POWER MIXER



POWERPOD Series

Phonic has been creating high-quality, durable powered mixers that have quietly become the industry standard for live setups. Designed with longevity and affordability in mind, Phonic Powerpods are the simple solution for bars and other small institutions looking for a top-of-the-line audio mixer that even the most novice garage-band can figure out. The Powerpods' success lies not only in their features and affordability, but in their earnest reputation as a quality console. Wipe the beer stains off that dusty unit down at your local dive bar, and you're likely to see the Phonic name hidden underneath. Generally, loudspeaker manufacturers recommend an amplifier with power output equal to the speaker's Program (Music) Power rating or two times the RMS Power rating. The Phonic amplifiers deliver just the right amount of power to the most popular speakers available on the market.

USB Recorder

Taking recording of live shows out of the hands of the bootlegger with the "R" series of Powerpod powered mixers. Powerpod mixers are now available with a USB recording and playback module built directly into the console. Save MP3 recordings directly to any formatted USB flash drive, or play back MP3 and WMA files from USB flash drives. The playback feature is ideal for incorporating digital audio into rehearsals and shows.



POWERPOD 415RW

150W 4 Channel Powered Mixer with USB Recorder & Bluetooth



- ▶ Built-in 150 Watt / 4 ohm power amplifier
- ▶ 4 mic/line input channels with 2-band EQs
- ▶ USB recording module for recording/playback of audio files
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ Variable digital delay with time and repeat parameters
- ▶ Additional 1/4" TRS send/return jack for main insert
- ▶ 440 x 145 x 215 mm (17.3" x 5.7" x 8.5") / 7.5 kg (16.5 lbs)

POWERPOD 630RW

300W 6 Channel Powered Mixer with USB Recorder & Bluetooth



- ▶ 2 x 150W / 4 ohm dual power amplifiers for Main or Main/Monitor (Bridge mono, 300W / 8 ohm)
- ▶ 4 mono, 2 stereo mic/line input channels with 2-band EQs
- ▶ 2 Super Hi-Z inputs for direct instrument connection
- ▶ USB recording module for recording/playback of audio files
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ 32/40-bit digital effect processor with 16 preset programs each with its own adjustable parameter
- ▶ 7-band master graphic equalizer
- ▶ Pad buttons on channels 1 to 4
- ▶ Global +48V phantom power for mic inputs
- ▶ 1/4" AUX input connector for additional inputs
- ▶ Monitor and effect sends on each input channel
- ▶ Built-in limiters protect both your speakers and your Powerpod
- ▶ 440 x 265 x 275 mm (17.3" x 10.4" x 10.8") / 13.06 kg (28.8 lbs)

POWERPOD 750RW

500W 7 Channel Powered Mixer with USB Recorder & Bluetooth



- ▶ 2 x 250W / 4 ohm dual power amplifiers for Main or Main/Monitor (Bridge mono, 500W / 8 ohm)
- ▶ 4 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 2 super Hi-Z inputs optimized for direct instrument input
- ▶ USB recording module for recording/playback of audio files
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ 32/40-bit digital effect processor with 16 preset programs each with its own adjustable parameter
- ▶ Dual 7-band graphic equalizers with In/Out switches for Main L/R or Main/Monitor
- ▶ Pad control on channels 1 to 4
- ▶ Rumble filters for mic inputs
- ▶ Global +48V phantom power for mic inputs
- ▶ 1/4" AUX input connector for additional inputs
- ▶ Monitor and effect sends on each input channel
- ▶ Built-in limiters for added protection
- ▶ Mains power switchable between 115 VAC and 230 VAC
- ▶ 471 x 265 x 275 mm (18.5" x 10.4" x 10.8") / 15.5 kg (34.1 lbs)

POWERPOD 1062R

600 Watt 10 Channel Powered Mixer with DFX & USB Recorder



- ▶ 2 x 300W / 4 ohms stereo power amplifier for Main L/R or Mono/Monitor
- ▶ 6 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 2 super Hi-Z inputs optimized for direct instrument inputs
- ▶ USB recording module for recording/playback of audio files
- ▶ Professional Speakon and 1/4" jacks available on speaker output
- ▶ 32/40-bit DFX processor with 16 programs plus parameter control
- ▶ Dual multi-band GEQ with in/out and assign switches
- ▶ Stereo line auxiliary input channel
- ▶ Pad control on channels 1-6
- ▶ Monitor and effect sends on each input channel
- ▶ Rumble filter and phantom power for mic inputs
- ▶ 2 built-in dynamic limiters for speaker protection
- ▶ Rec out with trim control for record level matching
- ▶ Mains power switchable between 115 VAC and 230 VAC
- ▶ 471 x 285 x 275 mm (18.5" x 11.2" x 10.8") / 21.5 kg (47.4 lbs)

POWERPOD 1082R

800 Watt 10 Channel Powered Mixer with DFX & USB Recorder



- ▶ 2 x 400W / 4 ohms stereo power amplifier for Main L/R or Mono/Monitor
- ▶ USB recording module for recording/playback of audio files
- ▶ 6 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 2 super Hi-Z inputs optimized for direct instrument inputs
- ▶ Professional Speakon and 1/4" jacks available on speaker output
- ▶ 32/40-bit DFX processor with 16 programs plus parameter control
- ▶ Dual multi-band GEQ with in/out and assign switches
- ▶ Stereo line auxiliary input channel
- ▶ Pad control on channels 1-6
- ▶ Monitor and effect sends on each input channel
- ▶ Rumble filter and phantom power for mic inputs
- ▶ 2 built-in dynamic limiters for speaker protection
- ▶ Rec out with trim control for record level matching
- ▶ Mains power switchable between 115 VAC and 230 VAC
- ▶ 471 x 285 x 275 mm (18.5" x 11.2" x 10.8") / 18.14 kg (40 lbs)

POWER AMPLIFIER



DMX Series

Description

Taking advantage of its huge heat sink as well as its variable speed fan that auto-adjusts fan speed depending on the temperature of the machine during operation, Phonic DMX series power amplifiers are always able to perform. Its professional quality output and its sturdy case design make this unit great for various locations like churches, concert tours, stages, or any place that requires amplifier installation.

Features:

- ▶ Rated Power per channel at 4Ω: 320 Watts (DMX 802)
- ▶ Rated Power per channel at 4Ω: 560 Watts (DMX 1502)
- ▶ DMX 802 and 1502 (Class AB Amplifiers)
- ▶ Signal and Clip LED indicators to monitor performance
- ▶ Speakon outputs
- ▶ Rated Power per channel at 4Ω: 1190 Watts (DMX 2502)
- ▶ Rated Power per channel at 4Ω: 1850 Watts (DMX 5002)
- ▶ DMX 2502 and 5002 (Class D Amplifiers)
- ▶ Protection circuitry prevents damage from short circuit, thermal, sensitivity, overload protection, output DC offset, soft start protection, and limiting protection
- ▶ 2RU-height

		DMX 802	DMX 1502	DMX 2502	DMX 5002
Output power (1KHz,THD<1%, all channel drive)	8 Ω stereo	200W*2	400W*2	850W*2	1300W*2
	4 Ω stereo	320W*2	560W*2	1190W*2	1850W*2
	2 Ω stereo	450W*2	780W*2	1490W*2	2300W*2
	8 Ω Bridge	480W	960W	2010W	3500W
	4 Ω Bridge	680W	1350W	2700W	4200W
Amplifier Protection	DC protection	√	√	√	√
	Short circuit protec- tion	√	√	√	√
	Sensitivity overheat management system	√	√	√	√
	Overheating protec- tion	√	√	√	√
	Input overload pro- tection	√	√	√	√
	over load protection	√	√	√	√
	Soft start protection	√	√	√	√
	Limiting protection	up to 10V	up to 10V	up to 10V	up to 10V
Frequency Response (1W, 8 Ω, 20Hz, 20kHz)		(±0.5dB)	(±0.5dB)	(±0.5dB)	(±0.5dB)
Sensitivity (8 Ω, 1KHz)		0.775v/26 dB/32 dB	0.775v/26 dB/32 dB	0.775v/26 dB/32 dB	0.775v/26 dB/32 dB
Connectors	Input/Link	XLR	XLR	XLR	XLR
	Output	SPEAKON	SPEAKON	SPEAKON	SPEAKON
Input impedance	Balanced	20KΩ	20KΩ	20KΩ	20KΩ
	Unbalanced	10KΩ	10KΩ	10KΩ	10KΩ
Signal-to-Noise Ratio (A weight, rated pow- er 8 Ω)		≥105dB	≥105dB	≥108dB	≥108dB
Damping factor (8 Ω, 1KHz)		≥900	≥900	≥900	≥900
Intermodulation Distortion (20Hz, 20kHz, half power)		≤0.02%	≤0.02%	≤0.02%	≤0.02%
Total Harmonic Distortion (20Hz, 20kHz; half power)		≤0.03%	≤0.03%	≤0.05%	≤0.07%
Phase Response (1W, 8 Ω, 20Hz, 20kHz)		≤±1.5°	≤±1.5°	≤±1.5°	≤±1.5°
Slew Rate		≥60V/μs	≥60V/μs	≥60V/μs	≥60V/μs
Output Circuit Topology		AB		CLASS-D	
Installation space		2U			
Cooling		The fully intelligent system automatically adjusts to temperature changes			
Dimensions (WxHxD)		482×88×290mm			
Weight		9.5 kg	10.0 kg	14.0 kg	18.0 kg



POWER AMPLIFIER

MAX Series

We wouldn't call this series MAX if we didn't mean it. Maximum power output, maximum audio quality, and maximum reliability are but 3 of the premiere features of Phonic MAX amplifiers. The tank-like housing of the MAX protects the massive power contained within. Providing XLR and 1/4" inputs, and professional speakon speaker jacks and traditional binding posts for outputs, the Phonic MAX assures versatile operation. Combine with a pair of Phonic passive speakers, and incredible power is but an "on" switch away.

MAX1000

600 Watt Power Amplifier



- ▶ Output power: 300W @ 4 ohms per channel, 200W @ 8 ohms per channel
- ▶ High-current toroidal transformers for greater power and low noise
- ▶ Balanced 1/4" TRS and XLR inputs for maximum flexibility
- ▶ Grounding / Floating switch to avoid grounding loop
- ▶ Binding post and Speakon-type outputs
- ▶ Front mounted gain controls for easy access
- ▶ Signal and Peak LED indicators to monitor performance
- ▶ Short circuit, thermal, subsonic, RF protection, output DC offset
- ▶ Power on/off muting
- ▶ 482 x 88 x 415 mm (19" x 3.46" x 15.9") / 10.16 kg (22.4 lbs)

MAX1500 PLUS / 2500 PLUS

900 Watt Power Amplifier



- ▶ MAX 1500 Plus Output power: 450W @ 4 ohms per channel, 280W @ 8 ohms per channel
- ▶ MAX 2500 Plus Output power: 750W @ 4 ohms per channel, 500W @ 8 ohms per channel
- ▶ High continuous current output from robust toroidal transformer
- ▶ Switchable input peak limiter and selectable high pass filter (30Hz, 50Hz) to reduce distortion and protect speakers
- ▶ Bridge mono and parallel mode LEDs
- ▶ Fast Recovery design for lower distortion if clipping occurs
- ▶ Very rugged housing
- ▶ Active balanced inputs for low noise
- ▶ Signal level at -40, -20, -10, protect and clip LED indicators to monitor performance
- ▶ Ground Lift switch to prevent humming
- ▶ Selectable stereo, parallel & bridge mono amp modes
- ▶ Two ventilation variable speed fans
- ▶ Speakon-type connectors and 5-way binding posts speaker outputs
- ▶ XLR & 1/4" TRS connectors for maximum input flexibility
- ▶ 482 x 88 x 415 mm (19" x 3.46" x 15.9") / 11.15 kg (24.6 lbs) / 13.24 kg (29.2 lbs)

XP Series

XP3000

2800 Watt Power Amplifier



- ▶ Output Power: 1400W @ 2Ω / channel, 1100W @ 4Ω / channel

XP5000

5000 Watt Power Amplifier



- ▶ Output Power: 2500W @ 2Ω / channel, 1800W @ 4Ω / channel
- ▶ Independent user-defeatable clip limiters reduce distortion
- ▶ XLR, 1/4" and barrier strip inputs all included

The Phonic XP series of power amps has long been Phonic's flagship amplifier series, and with good reason. With models ranging from 1920 to 6000 Watts, the XP amplifiers supply clean, beefy power into low loads. Advanced onboard protection-circuitry shields the unit from external interferences, and the quick recovery circuitry and variable speed fans ensure optimal performance. When flawless execution is a requirement, not a desire, the XP series should be considered essential to your live setup. If it's your time to shine, make sure your gear has got your back.

ICON Series

ICON 300

300 Watt Contractor Amplifier



- ▶ Output power: 2 x 150W at 4 ohms, 70V or 100V
- ▶ XLR and barrier strip input connectors
- ▶ Output via covered barrier strips
- ▶ Automatic dual-speed, high-efficiency cooling fan
- ▶ Full short-circuit, temperature and DC offset protection
- ▶ Toroidal output transformers provide full electrical isolation and meet worldwide safety standards

ICON 700

700 Watt Contractor Amplifier



- ▶ Output power: 2 x 350W at 4 ohms, 70V or 100V
- ▶ XLR and barrier strip input connectors
- ▶ Output via covered barrier strips
- ▶ Automatic dual-speed, high-efficiency cooling fan
- ▶ Full short-circuit, temperature and DC offset protection
- ▶ Toroidal output transformers provide full electrical isolation and meet worldwide safety standards

ICON series power amplifiers are designed with the needs of sound contractors in mind. The binding post outputs allow for connection to standard low impedance speakers. Barrier strip outputs enable 25V, 70V and 100V Line operation. Each amplifier channel has a separate toroidal secondary transformer that provides full electrical isolation and ensures maximum audio separation. Features like power up muting, full short-circuit temperature, DC offset protection and a built-in 45 Hz subsonic filter, combine to make the ICON series an attractive yet efficient solution for any audio installation.

DIGITAL POWER AMPLIFIER

XTRIX SERIES



Description

Phonic Xtrix series digital amplifiers offer up to four fully processable channels as well as Dante networking as an option. Channel mixing and routing is greatly simplified by the built-in low latency DSP, which allows for the most control over sound shaping and speaker management. This makes it great for medium to large-sized clubs, churches, auditoriums, and more.

1U
Touring

2Ω Lo-Z
100/70V Hi-Z

Active-PFC
90v-260v

DSP

FIR
MAX 512TAPS

Features

- ▶ Rated Power per channel at 2Ω: 1870 Watts (Xtrix 2065)
- ▶ Rated Power per channel at 2Ω: 3570 Watts (Xtrix 2150)
- ▶ Revolutionary Class D topology
- ▶ Speakon output connectors
- ▶ Lightweight design
- ▶ Top-grade DSP offering onboard extensive speaker management tools
- ▶ Optional Dante networking module allows for simple signal routing from any node in the network to Xtrix
- ▶ Rated Power per channel at 2Ω: 1300 Watts (Xtrix 4045)
- ▶ Rated Power per channel at 2Ω: 2890 Watts (Xtrix 4100)
- ▶ Variable-speed cooling fans for smooth operation
- ▶ Protection circuitry prevents damage from short circuit, thermal, sensitivity, overload protection, output DC offset
- ▶ Active PFC 90 - 260 V @ 50/60Hz
- ▶ 1RU-height

Xtrix 4100



		Xtrix 2065	Xtrix 2150	Xtrix 4045	Xtrix 4100
Output power (1KHz, THD<1%, all channel drive)	8 Ω stereo	650W*2	1500W*2	450W*4	1000W*4
	4 Ω stereo	1100W*2	2550W*2	765W*4	1700W*4
	2 Ω stereo	1870W*2	3570W*2	1300W*4	2890W*4
	16 Ω Bridge	1300W	3000W	900W*2	2000W*2
	8 Ω Bridge	2220W	5100W	1530W*2	3400W*2
	4 Ω Bridge	3740W	7140W	2600W*2	5780W*2
	100V	-	2500W*2	-	-
	70V	1100W*2	2400W*2	-	1700W*4
Amplifier Protection	DC protection	✓	✓	✓	✓
	Short circuit protection	✓	✓	✓	✓
	Sensitivity overheat management system	✓	✓	✓	✓
	Overheating protection	✓	✓	✓	✓
	over load protection	✓	✓	✓	✓
Frequency Response (1W, 8 Ω , 20Hz, 20kHz)		(± 0.5 dB)	(± 0.5 dB)	(± 0.5 dB)	(± 0.5 dB)
Connectors	Input/Link	XLR female			
	Output	SPEAKON	SPEAKON	SPEAKON	SPEAKON
Input impedance	Balanced	20K Ω	20K Ω	20K Ω	20K Ω
	Unbalanced	10K Ω	10K Ω	10K Ω	10K Ω
Signal-to-Noise Ratio (A weight, rated power 8 Ω)		≥ 105 dB	≥ 105 dB	≥ 105 dB	≥ 105 dB
Input acceptance		+21 dBu	+21 dBu	+21 dBu	+21 dBu
Default Gain		19 dB	23 dB	18 dB	21 dB
Gain		19 dB - 37 dB	23 dB - 41 dB	18 dB - 36 dB	21 dB - 39 dB
Crosstalk (1KHz)		≥ 90 dB	≥ 90 dB	≥ 90 dB	≥ 90 dB
Damping factor (8 Ω , 1KHz)		≥ 1000	≥ 1000	≥ 1000	≥ 1000
Total Harmonic Distortion (20Hz, 20kHz; 10% output)		$\leq 0.05\%$	$\leq 0.05\%$	$\leq 0.05\%$	$\leq 0.05\%$
Phase Response (1W, 8 Ω , 20Hz, 20kHz)		$\leq \pm 1.5^\circ$	$\leq \pm 1.5^\circ$	$\leq \pm 1.5^\circ$	$\leq \pm 1.5^\circ$
Output Circuit Topology		Class-D			
Maximum output voltage (RMS, THD 1%, 1KHz)		72.1 V	109.5 V	60 V	89.4 V
Installation space		1U			
Cooling		The fully intelligent system automatically adjusts to temperature changes			
Dimensions (WxHxD)		483x45x370mm			
Operating voltage		90 - 260 V @ 50/60Hz			
Weight		9.0 kg	9.0 kg	9.0 kg	9.0 kg

SIGNAL PROCESSORS



i Series

You can instantly access and modify the tour & FOH sound parameters through the front panel buttons. The audio signal can also be switched freely between input and output channels through software. The flexibility of PiWare software ensures the simplicity of system operation.

Each Input channel is equipped with compressor and limiter, FIR filter, 15-band parametric equalizer, 28-band graphic equalizer, Dynamic EQ and up to 1000 ms delay, these are all standard configuration for high-performance processing.

The output routing can be configured as a hybrid matrix mode, free routing or several pre-configured routing options. Flexible channel connections make the configuration of ordinary speaker systems quick and convenient. A wide range of filter types specify 10 parametric equalizers, all-pass filters, and 6 FIR filters, with a maximum delay of 1000 ms. The limiter uses the predictive offset limiter (PXL) algorithm to provide precise speaker power control with the lowest distortion.

Features

- ▶ 96kHz/24bit sampling rate
- ▶ Input with 15 segment PEQ, output with 10 segment PEQ, high and low pass filter.
- ▶ All-pass filter and support Dynamic EQ
- ▶ Ethernet remote control via PiWare driver-free application
- ▶ Complete front panel user interface provides simple and intuitive
- ▶ USB drive-free automatic connection software, support RS232 central control, support TCP/IP wired and wireless control.
- ▶ Support mobile APP wireless control.
- ▶ Support multi-machine networking and joint debugging, remote monitoring, easy for system integration

i3600

3 in 6 out Audio Processor



i4800

4 in 8 out Audio Processor



Main function interface



GEQ 3102F

31-band Stereo Graphic Equalizer

- ▶ Professional 31-band stereo graphic equalizer for live and studio applications
- ▶ Sweepable high and low cut filters on each channel to remove unwanted frequencies
- ▶ Ultra low-noise audio operational amplifiers offer outstanding sound performance
- ▶ Relay-controlled hard-bypass with an auto-bypass function during power failure
- ▶ Balanced inputs and outputs with 1/4" TRS and XLR connectors
- ▶ 483 x 88 x 146 mm (19" x 3.5" x 5.7") / 2.5 kg (5.51 lbs)

DIGITAL MATRIX PROCESSORS

Description

PHONIC's i series of digital matrix processors provide high-quality audio performance even under the most demanding conditions. The entire series was designed with contractors in mind, from the versatile phoenix inputs to the short learning curve of the PHONIC TCP/IP control software. Each system includes a variety of signal processors built right into the internal DSP, such as AFC active feedback suppression, ANC adaptive active noise cancellation, and AEC adaptive acoustic echo cancellation, as well as powerful multi-band graphic and parametric EQs, versatile variable gain amplifiers, and nine adjustable mic input sensitivity levels, among many other features. PHONIC engineers created powerful algorithms that consistently produce high-quality signal processing, backed by an amazing 32-bit floating/fixed point processor, making any of the DMP series invaluable to any installation.

Features

- ▶ i8800 : 8 analog audio inputs and 8 analog audio outputs (Line/Mic inputs)
- ▶ i1616 : 16 analog audio inputs and 16 analog audio outputs (Line/Mic inputs)
- ▶ Optional Dante 4 x 4 network modules are available
- ▶ Each microphone input has nine adjustable sensitivity levels
- ▶ 32-bit DSP
- ▶ 24-bit 48kHz AD/DA conversion
- ▶ System latency less than 1ms
- ▶ Auto mix function
- ▶ AFC active feedback suppression
- ▶ AFC adaptive noise cancellation
- ▶ AEC adaptive acoustic echo cancellation
- ▶ RS232/485 interface
- ▶ GPIO extended control interface
- ▶ Support TCP/IP multiple machine centralized management and debugging, configuration

i8800

8 in 8 out Audio Processor



i1616

16 in 16 out Audio Processor

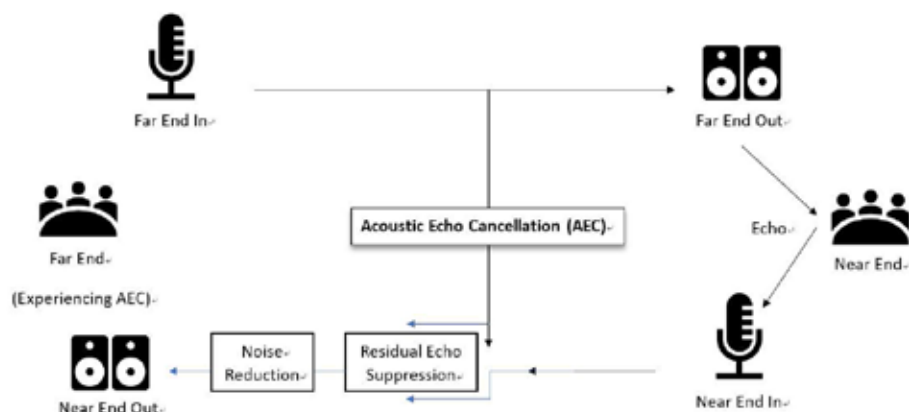


- ▶ 48kHz/24bit sampling rate
- ▶ Input with 31 segment PEQ, output with 10 segment PEQ, high and low pass filter
- ▶ Active feedback suppression
- ▶ Adaptive noise cancellation
- ▶ Auto Mixing
- ▶ USB drive-free automatic connection software with RS232/485 central control support
- ▶ TCP/IP wired and wireless control is supported
- ▶ Support for mobile APP wireless control

Function module interface



AEC(Acoustic echo control)



Optional 4 x 4 Dante™ module

**i8800**

i1616



WIRELESS MICROPHONE SYSTEMS

PCT SERIES



The new Phonic PCT-3100 dual channel wireless microphone systems are the culmination of years of experience in both wired and wireless technologies. Take part of the headache out of your live setups by incorporating one of these fantastically simple wireless microphone systems. Each system offers level switches allowing contouring of output signals to external devices, whether they be professional mixing consoles or consumer-grade recording products. Utilizing UHF for maximum range and PLL-synthesized technology for RF stability, the Phonic wireless microphone systems allow you to unleash your live performances like never before.



The new Phonic PCT-1100 dual channel wireless microphone systems are the culmination of years of experience in both wired and wireless technologies. Take part of the headache out of your live setups by incorporating one of these fantastically simple wireless microphone systems. Each system offers level switches allowing contouring of output signals to external devices, whether they be professional mixing consoles or consumer-grade recording products. Utilizing UHF for maximum range and PLL-synthesized technology for RF stability, the Phonic wireless microphone systems allow you to unleash your live performances like never before.

PCT-3100

DUAL-Channel Wireless Microphone System

PCT3100 Available System Package :

- PCT3100M (PCT-3100 + 2 x WM-31-B1)
- PCT3100L (PCT-3100 + 2 x WB-31 + 2 x WL-11)
- PCT3100H (PCT-3100 + 2 x WB-31 + 2 x WH -11)
- PCT3100LH (PCT-3100 + 2 x WB-31 + WL-11 + WH -11)

- ▶ Rugged metal chassis with soft-touch controls
- ▶ Advanced diversity technology maintains dependable wireless signal quality
- ▶ Pilot tone squelch for eliminating RF interference when transmitter is turned off
- ▶ Enhanced AF frequency range
- ▶ Automatic Frequency Selection provides a straight shot to a clear channel
- ▶ Transmitter Sync
- ▶ 600 selectable frequencies across 30MHz bandwidth
- ▶ OLED display screen delivers a bright, clear viewing in day/night environments
- ▶ Equipped with both XLR balanced and Ø6.3mm unbalanced outputs
- ▶ Offers an exceptional value in both performance and price, for both working musicians and sound installers

PCT-1100

PCT1100 Available System Package :

- PCT1100M (PCT-1100 + 2 x WM-12)
- PCT1100L (PCT-1100 + 2 x WB-11 + 2 x WL-11)
- PCT1100H (PCT-1100 + 2 x WB-11 + 2 x WH -11)

- ▶ Rugged metal chassis with soft-touch controls.
- ▶ Automatic Frequency Selection provides a straight shot to a clear channel
- ▶ Transmitter Sync
- ▶ 300 selectable frequencies across 30MHz bandwidth
- ▶ OLED display screen delivers a bright, clear viewing in day/night environments
- ▶ Equipped with both XLR balanced and Ø6.3mm unbalanced outputs
- ▶ Special intended for exquisite KTV rooms, classrooms and houses of worship

CEILING SPEAKER

CS SERIES

The CS series are high-fidelity in-ceiling speakers that offer versatile operation in commercial and private application. With driver sizes ranging from 5" to 8" - with coaxially mounted tweeters in most cases - and incredibly diverse power handling and sound pressure levels, the CS series consists of four premium, lightweight speakers that can be easily installed in even the most demanding of venues. With 20 to 40 Watt power handling capacity, these discrete speakers are ideal for moderate to high ceiling installations such as those found in schools, gymnasiums, meeting rooms, shopping centers and retail outlets. The versatile operating modes (8 ohms, 70V and 100V) make them ideal for almost any installation.

CS5T

5" Coaxial Ceiling Speaker



CS6T

6" Coaxial Ceiling Speaker



CS8T

8" Coaxial Ceiling Speaker



- ▶ Versatile operating modes including distributed line and
- ▶ Low-impedance
- ▶ Tweeters coaxially mounted on woofers
- ▶ Sturdy iron back-can and grille
- ▶ Discrete, low-profile design
- ▶ Wide frequency responses
- ▶ Built-in transformer
- ▶ Ideal for commercial installations
- ▶ Off-white finish

	CS5T	CS6T	CS8T
Type	2-way coaxial	2-way coaxial	2-way coaxial
Woofers	5	6	8
Tweeter	1	1	1
Power Taps (100V)	100V: 25W, 20W, 10W, 5W	100V: 30W, 20W, 10W, 5W	100V: 40W, 20W, 10W, 5W
Rated Power (RMS)	20	30	40
Sensitivity (1W, 1m)	90 dB	91 dB	92 dB
Maximum SPL	100 dB	104 dB	107 dB
Dispersion	180°	180°	180°



Mobile PA



Wireless Audio
Streaming



Analog Mixer



Rechargeable
Battery



Easy Mobility



Wireless
audio

SAFARI Series

The Phonic Safari portable audio systems are the ultimate in on-the-go and hit-the-road audio. Offering users a quality woofer and a high performance tweeter matched with a powerful class D power amplifier built-in, the Safari portable audio systems provide reliability and rugged operation at all times. With a host of optional components, including CD player with MP3 playback and wireless microphones, the Safari offers all the trimmings with none of the fat. Whether a professional musician, busker, street performer or businessperson, the Safari self-contained portable audio sets offer professional sound while on the the road.

Safari 3000

320 Watt 10" Mobile PA System with 3-Channel Mixer

- ▶ 3 channel onboard mixer: Dual combo jack (XLR & ¼"), mini-stereo and RCA inputs
- ▶ Outputs: RCA output and powered output for passive companion speakers
- ▶ Dual class D amplifiers offer 160 Watts RMS / 320 Watts continuous
- ▶ Proprietary power supply and efficient battery management system
- ▶ Bluetooth enabled! Stream music to the Safari from almost any Bluetooth-enabled device
- ▶ Supports up to 4 wireless microphones (through optional dual channel wireless systems)



Highly Portable



Retractable Handle



Safari 3000P

320 Watt 10" Passive Companion Speaker

- ▶ Perfect companion to the Safari 3000 portable audio systems



SAFARI 3000SYS1



SAFARI 3000P

Safari 2000

200 Watt 8" Mobile PA System with 2-Channel Mixer

- ▶ 2 channel onboard mixer: combo jack (XLR & 1/4"), 1/4" TS and RCA inputs
- ▶ Outputs: RCA output and powered output for passive companion speakers
- ▶ Dual class D amplifiers offer 60 Watts RMS / 120 Watts Peak
- ▶ Built-in long-life rechargeable battery
- ▶ Bluetooth enabled! Stream music to the Safari from almost any Bluetooth-enabled device
- ▶ Supports up to 4 wireless microphones (through optional dual channel wireless systems)



SAFARI 2000SYS2

Safari 2000P

200W 8" Passive Companion Speaker

- ▶ Perfect companion to the Safari 2000 portable audio systems
- ▶ 200W power handling



SAFARI 2000P

SHARED FEATURES

- ▶ 8" woofer and 1" tweeter
- ▶ Features RCA output plus a powered output for connection of passive companion speakers
- ▶ Stylish molded polymer enclosure and curved design help withstand life on the road
- ▶ 418 x 292 x 252 mm (16.5" x 11.5" x 9.9") / 9.5 kg

ALSO AVAILABLE

Wireless Handheld System (WM-1S)

WR-1
Wireless
Receiver



WM-1

Wireless Lavalier System (WL-1S)

WR-1
Wireless
Receiver



WB-1
Bodypack
Transmitter

WL-1

Wireless Headset System (WH-1S)

WR-1
Wireless
Receiver



WB-1
Bodypack
Transmitter

WH-1



CD/USB MP3 player &
recorder(SAFARI CD/USB)



USB MP3/WMA player &
recorder(USBR-1)

Safari 2000SYS1 - is Safari 2000 + WM-1S + CD/USB

Safari 2000SYS2 - is Safari 2000 + WM-1S + USBR-1

Safari 3000SYS1 - is Safari 3000 + WM-1S + CD/USB

Safari 3000SYS2 - is Safari 3000 + WM-1S + USBR-1



SAFARI 2000DC
Dust Cover



SAFARI 3000DC
Dust Cover

Safari 1000M

50 Watt Portable PA System with Wireless Microphone, USB Recorder/Player and Bluetooth Wireless Streaming



- ▶ Powerful 50-watt (25W RMS) output for loud, clear sound
- ▶ Elegant contour design and best-in-class performance
- ▶ Ultra compact, feather light & ergonomically portable
- ▶ Built-in wireless receiver with 16 frequency channels
- ▶ One-touch Scan/ACT sync button for easy channel set-up
- ▶ USB music player/recorder with LCD screen
- ▶ Record in uncompressed WAV format
- ▶ Bluetooth audio streaming from modern smartphones and tablets
- ▶ 3.5mm line input accepts an external MP3, iPod or CD player
- ▶ Built-in alarm/siren for warning of threats, as well as paging lead
- ▶ 2 power modes: AC & built-in lithium rechargeable battery
- ▶ 4-level battery meter (25/50/75/100%) for accurate reading
- ▶ Use of shoulder strap or optional microphone stand
- ▶ 10 to 12 hours of stand-by time per fast charge

Safari 1000 Lite

50 Watt Portable PA System



- ▶ Powerful 50-watt (25W RMS) output for loud, clear sound
- ▶ Elegant contour design and best-in-class performance
- ▶ Ultra compact, feather light & ergonomically portable
- ▶ 3.5mm line input accepts an external MP3, iPod or CD player
- ▶ Built-in alarm/siren for warning of threats, as well as paging lead
- ▶ 2 power modes: AC & built-in lithium rechargeable battery
- ▶ 4-level battery meter (25/50/75/100%) for accurate reading
- ▶ Use of shoulder strap or optional microphone stand
- ▶ 10 to 12 hours of stand-by time per fast charge

INCLUDED ACCESSORIES

Wireless handheld Microphone

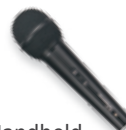
Safari 1000M



Safari 1000Lite



Spiral Cable



Handheld Microphone

SAFARI 1000
Shoulder Strap & Mic Holder



COLUMN SPEAKER

AIR SERIES



White Color



Phonic introduces the Air Series column speakers are an ideal sound solution for short to medium-range applications with demanding acoustic requirements. This new range of speakers is the result of years of application experience by PHONIC engineers. The speakers are compact and slim to deliver superior sound quality in engineering applications.

Application:

- ▶ Portable PA system, Club and Theater, Chapel
- ▶ Solo musician, Band,DJ, Public building, Theme park
- ▶ Shopping mall , Meeting Room, lecture hall



Air30

160W, 2*3.5" Bass & 3" Paper Cone Drivers Column Speaker



Black / White

- ▶ Power Handling: 160Watt Music / 320 Watt Peak
- ▶ Weatherproof paper cone
- ▶ Customized strong magnetic and rubber suspension unit for linear movement
- ▶ Compact and slim to deliver superior sound
- ▶ 1.5mm Aluminum Alloy lightweight and elegant housing
- ▶ Wide 100° x 100° dispersion angle
- ▶ 2-axis adjustable wall-mounted bracket
- ▶ IP65 Square flange panel receptacle and barrier strip terminals
- ▶ Dimensions (HxWxD): 330 x 105.6 x 137 mm (13" x 4.2" x 5.4")
- ▶ Weight: 2.6 kg (5.7 lbs)



Air50

320W, 4*3.5" Bass & 1" Compression Drivers Column Speaker



Black / White

- ▶ Power Handling: 320Watt Music / 640 Watt Peak
- ▶ Weatherproof paper cone
- ▶ Customized strong magnetic and rubber suspension unit for linear movement
- ▶ Compact and slim to deliver superior sound
- ▶ 1.5mm Aluminum Alloy lightweight and elegant housing
- ▶ Wide 100° x 100° dispersion angle
- ▶ 2-axis adjustable wall-mounted bracket
- ▶ IP65 Square flange panel receptacle and barrier strip terminals
- ▶ Dimensions (HxWxD): 533 x 105.6 x 137 mm (21" x 4.2" x 5.4")
- ▶ Weight: 4.5 kg (9.9 lbs)



Air120

720W, 9*3.5" Bass & 2*1" Compression Drivers Column Speaker



Black / White

- ▶ Power Handling: 720Watt Music / 1440 Watt Peak
- ▶ Weatherproof paper cone
- ▶ Customized strong magnetic and rubber suspension unit for linear movement
- ▶ Compact and slim to deliver superior sound
- ▶ 1.5mm Aluminum Alloy lightweight and elegant housing
- ▶ Wide 100° x 100° dispersion angle
- ▶ 2-axis adjustable wall-mounted bracket
- ▶ IP65 Square flange panel receptacle and barrier strip terminals
- ▶ Dimensions (HxWxD): 1242 x 105.6 x 137 mm (13" x 4.2" x 5.4")
- ▶ Weight: 10.0 kg (22 lbs)



Airsub210

600W, 2*10" Bass Drivers Omni-Directional Passive Subwoofer

- ▶ Power Handling: 600 Watt Music / 1200 Watt Peak
- ▶ 4 ohm nominal impedance
- ▶ Two 10" LF driver for punch low frequency extension
- ▶ 15mm multi-layer plywood body
- ▶ Powder coated steel with acoustical transparency design
- ▶ Dimensions (HxWxD): 718 x 295 x 465 mm (28.3" x 11.6" x 18.3")
- ▶ Weight: 22 kg (48.5 lbs)



Black / White

MONITOR SPEAKER



AURRAS Series

AURRAS 6A

75 Watt 6" Two-Way
Active Near Field Studio Monitor

- ▶ Maximum SPL of 90 dB
- ▶ Dimension (W x H x D):
270 x 230 x 320 mm
- ▶ Weight: 9.2 Kg

AURRAS 8A

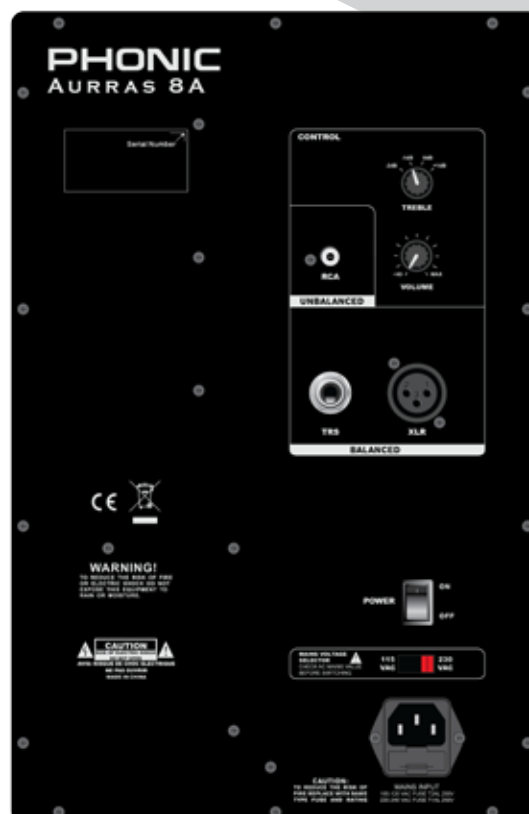
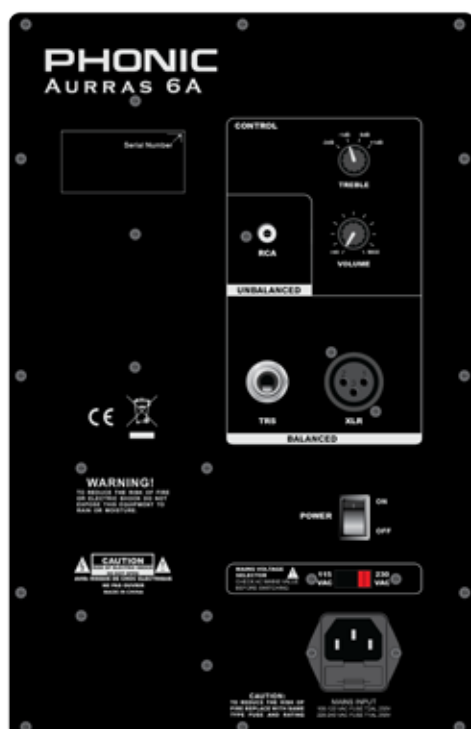
110 Watt 8" Two-Way
Active Near Field Studio Monitor

- ▶ Maximum SPL of 100 dB
- ▶ Dimension (W x H x D):
313 x 268 x 383 mm
- ▶ Weight: 12.6 Kg

Aurras 6A		Aurras 8A
Type	Two-Way Active Near Field Studio Monitor	Two-Way Active Near Field Studio Monitor
HF Drivers	1" Silk soft dome	1" Silk soft dome
LF Drivers	6.5" Glass Aramid cone	8" Glass Aramid cone
Frequency Response (+/-3dB)	55 Hz - 20 kHz	45 Hz - 20 kHz
High Frequency Rated Power (Watt)	28W	36W
Low Frequency Rated Power (Watt)	45W	75W
Input Sensitivity	- 2 dBu	- 2 dBu
LF Contour Control	NO	NO
HF Contour Control	(-2 dB, -1 dB, FLAT, +1 dB)	(-2 dB, -1 dB, FLAT, +1 dB)
Audio Input	RCA, Balanced 1/4" TRS, Balanced XLR	RCA, Balanced 1/4" TRS, Balanced XLR
Crossover	1.9 kHz	1.8 kHz
Maximum SPL	90dB	100dB
Color	Black/White	Black/White
Dimension (W x H x D)	270x 230 x 320 mm	313 x 268 x 383 mm
Weight	9.2 Kg	12.6 Kg

Common Features:

- ▶ 1 Silk soft dome tweeter
- ▶ Custom-designed carbon fibre cone woofer
- ▶ Flexible inputs: RCA, Balanced 1/4" TRS, Balanced XLR
- ▶ HF contour control
- ▶ Available in black and white



PA LOUDSPEAKER



MSK Series

The MSK series is a completed full range speakers and Subwoofer, the multi-function enclosed designed for PA systems or stage, perfectly professional solution for a wide range of venues, including auditoriums, lecture halls, conference rooms, restaurants and LiveHouse bars.

Application:

- ▶ School, Lecture halls
- ▶ Government auditoriums, Conference rooms
- ▶ Mall, gym, small Live House
- ▶ Restaurant Hotels, banquet halls

	MSK8	MSK10	MSK12
Product type	Two Way Speaker	Two Way Speaker	Two Way Speaker
Sensitivity	98 dB	99 dB	98 dB
Frequency response	78 Hz – 18 kHz	62 Hz – 18 kHz	60 Hz – 18 kHz
Coverage angle	90° x 60°	90° x 60°	90° x 60°
Impedance	8 ohms	8 ohms	8 ohms
Terminal	Speakon NL4	Speakon NL4	Speakon NL4
Drivers	1 x 1.34" HF, 1 x 8" LF	1 x 1.34" HF, 1 x 10" LF	1 x 1.74" HF, 1 x 12" LF
Max. Sound Level	121dB	123dB	128dB
Power Handling	300W(Program) 600W(Peak)	500W(Program) 1000W(Peak)	600W(Program) 1200W(Peak)
Rigging Points	12*M8	12*M8	12*M8
Color	Black	Black	Black
Dimension (H x W x D)	376 x 234 x 234 mm	504 x 324 x 311 mm	612 x 378 x 304 mm
Weight	8 Kg	13.5 Kg	19 Kg

	MSK15	MSK18B	MSK215
Product type	Two Way Speaker	Subwoofer	Two Way Speaker
Sensitivity	99 dB	100 dB	102 dB
Frequency response	51 Hz – 18 kHz	40 Hz–250 Hz	51 Hz–18 kHz
Coverage angle	90° x 60°	360°	90° x 60°
Impedance	8 ohms	8 ohms	8 ohms
Terminal	Speakon NL4	Speakon NL4	Speakon NL4
Drivers	1 x 1.74" HF, 1 x 15" LF	1 x 18" LF	1 x 1.74" HF, 2 x 15" LF
Max. Sound Level	130dB	131dB	130dB
Power Handling	800W(Program) 1600W(Peak)	1400W(Program) 2800W(Peak)	1600W(Program) 3200W(Peak)
Rigging Points	12*M8	NA	12*M8
Color	Black	Black	Black
Dimension (H x W x D)	684 x 432 x 354 mm	684 x 540 x 595 mm	1074 x 432 x 377 mm
Weight	20 Kg	40 Kg	45 Kg





LINE ARRAY



GWA Series

PHONIC CORPORATION's GWA (Constant Curvature Line Array System) series are developed to meet the increasingly diverse needs of performance rental companies and system integrators, which provides the best audience coverage. GWA series consisting of 12" constant curvature array full range speaker and 18" flying subwoofers. Excellent sound quality and flexible vertical/horizontal dispersion technology enable GWA series to adapt to the needs of any project.



Application:

- ▶ Outdoor performances
- ▶ Large stadiums/arenas
- ▶ Conference Center
- ▶ Theatre, Auditorium
- ▶ Hotels, banquet halls
- ▶ Bar, Live House

GWA 12



1000W, LF12 "/HF3" curve array passive speaker

- ▶ Driver Unit: Low Frequency:1 x 12"
- ▶ High Frequency:1 x 3" compression driver
- ▶ Frequency Response:50 Hz - 20 kHz(-10dB)
- ▶ Frequency Response:55 Hz - 18 kHz (±3 dB)
- ▶ Sensitivity:103 dB (1W @ 1m)
- ▶ Power Handling: 1000 watts (Program), 2000 watts (Peak)
- ▶ Maximum SPL:136 dB
- ▶ Nominal Coverage Angle(-6 dB):Horizontal 90°, Vertical 30°
- ▶ Nominal Impedance:8 Ω
- ▶ Finish:Wear-resistant textured black paint
- ▶ Enclosure:Multi-layer birch plywood
- ▶ Suspension Hardware:12*M8 rigging points
- ▶ Input Connectors:Speakon NL4 x 2
- ▶ Rigging :GWA Rigging system
- ▶ Dimensions:(H x W x D) 360 mm x 714 mm x 431 mm
- ▶ Net Weight:23 kg

GWA 18B



2400W, LF18 " passive subwoofer speaker

- ▶ Driver Unit: Low Frequency:1 x 12"
- ▶ High Frequency:1 x 3" compression driver
- ▶ Frequency Response:50 Hz - 20 kHz(-10dB)
- ▶ Frequency Response:55 Hz - 18 kHz (±3 dB)
- ▶ Sensitivity:103 dB (1W @ 1m)
- ▶ Power Handling: 1000 watts (Program), 2000 watts (Peak)
- ▶ Maximum SPL:136 dB
- ▶ Nominal Coverage Angle(-6 dB):Horizontal 90°, Vertical 30°
- ▶ Nominal Impedance:8 Ω
- ▶ Finish:Wear-resistant textured black paint
- ▶ Enclosure:Multi-layer birch plywood
- ▶ Suspension Hardware:12*M8 rigging points
- ▶ Input Connectors:Speakon NL4 x 2
- ▶ Rigging :GWA Rigging system
- ▶ Dimensions:(H x W x D) 360 mm x 714 mm x 431 mm
- ▶ Net Weight:23 kg



LINE ARRAY



AXIS Series

Common Features:

- ▶ Ultra-Compact 2-way curvilinear array module
- ▶ Exceptional pattern control due to symmetrical design
- ▶ 2x 10" (3in VC) MF + 1.4" (3in VC) Neodymium HF driver
- ▶ 2x NL4 connected in parallel
- ▶ Passive operation
- ▶ High performance and crystal clear reproduction
- ▶ Faithful dynamic response and great range
- ▶ Integrated rigging system for ground stacking and flown configurations
- ▶ Rugged and durable 15mm birch plywood construction
- ▶ Finished with special Polyurea paint, waterproof and resistant to erosion and degradation
- ▶ Touring sound reinforcement for small and mid-sized venues

	Axis20V	Axis18B
FREQUENCY RESPONSE (-3dB)	55 Hz–18 kHz	35Hz-300Hz
FREQUENCY RESPONSE (-10dB)	50 Hz–20 kHz	
DRIVERS	2x10"(250mm)/2.5"voice coil LF	1x18"(460mm)/3"voice coil LF
	1x1.4"(36mm)/3"voice coil HF	—
RATED POWER (program / peak)	1120W program /2240W peak	1000W program/2000W peak
SENSITIVITY	104dB 1 watt/1meter	100dB 1 watt/1 meter
MAXIMUM SPL	131dB continuous,137dB peak	127dB continuous,133 dB peak
IMPEDANCE	8 ohms nominal	8 ohms nominal
DISPERSION (-6dB)	Horizontal: 100°	—
	Vertical coverage: Varies, depending on array length and configuration	—
CROSSOVER FREQUENCIES	750 Hz passive	—
INPUT CONNECTORS	2×Speakon NL4	2×Speakon NL4
PACKAGE SIZE	677mm×311mm×483mm	677mm×525mm×660mm
NET WEIGHT	31 kg/pc	42 kg/pc
GROSS WEIGHT	32 kg/pc	46 kg/pc



PROFESSIONAL USB MICROPHONE

24-bit
96KHz

125
dB

MIX

PROFESSIONAL USB MICROPHONE

SPM-1

Common Features:

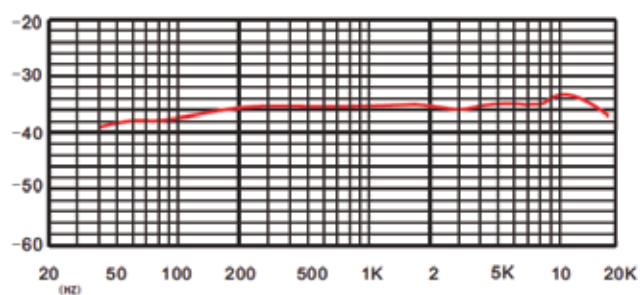
- ▶ Support both PC and Mac, driver-free
- ▶ Great sound performance
- ▶ Headphone output with volume control
- ▶ Microphone mix control



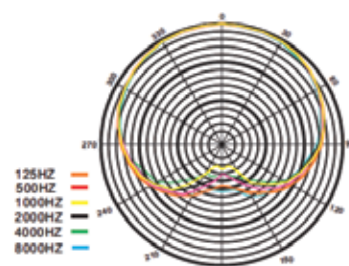
Specifications:

- ▶ Pick up Pattern: Cardioid
- ▶ Frequency: 20 Hz-20 kHz
- ▶ Sensitivity: -36 dB \pm 2 dB (0 dB=1 V/Pa at 1 KHz)
- ▶ Max Input SPL: 125 dB (at 1 KHz, 1% T.H.D)
- ▶ Sampling Rate: 24 bit/96 KHz
- ▶ Outputs: USB and 3.5 mm stereo jack
- ▶ Microphone is 44.1 / 48 / 88.2 / 96kHz@16bit or 24bit
- ▶ Playback is 44.1 / 48kHz @ 16bit
- ▶ Dimensions: 186.8 x 50.4 x 48.1 mm
- ▶ Weight: 370 g

Frequency Response



Polar Pattern



Box Contains



USB cable



Tripod stand



Metal holder

AUDIO ANALYZER



PAA3X

Handheld Audio Analyzer

Right alongside a flashlight and duct tape, no serious audio engineer should go anywhere without the Phonic PAA3X in their back pocket. Developed on the back of the popular PAA3, the PAA3X inherits all the widely praised features of its predecessor yet with many more surprises and an all-new design.

This handheld audio analyzer is resoundingly accurate and features an array of different tools, including 31-band and 61-band real-time spectrum analyzers, a reverb time analyzer, sound pressure and line level meters, internal signal generator, EQ setting calculations and speaker polarity checking abilities. It also features a detachable calibrated measurement microphone that offers greater flexibility in mic positioning.

All functions and menus are controlled through central jog dials, so your other hand is free to adjust audio settings. A large, bright LCD display provides visibility in any environment, and a rechargeable lithium-ion battery ensures the PAA3X is always ready when you need it.

- ▶ 31-band and 61-band real time spectrum analyzer
- ▶ 31-band and 61-band EQ setting value display (Boost/Cut)
- ▶ Detachable calibrated measurement microphone
- ▶ Includes 5m mic cable for remote placement of measurement mic, perfect for home theater and automotive application
- ▶ SPL meter and level meter with three level range selections
- ▶ Sound pressure level meter from 30 dB to 130 dB
- ▶ Line signal measurement display in dBu, dBV, or Volts (AC)
- ▶ Polarity function for checking phase of any loudspeaker
- ▶ Mic calibration through standard 94dB sound level calibrator
- ▶ Snapshot button for instant screen captures saved to SD card
- ▶ Signal generator with pink noise, sine wave, sweep wave and polarity test signal
- ▶ A, B, C and flat weightings all available for measurements
- ▶ Maximum level and peak hold display
- ▶ Balanced XLR input and output connectors
- ▶ Rechargeable lithium-ion battery
- ▶ Micro USB port for charging battery
- ▶ AC power adapter and USB cable included
- ▶ Microphone stand included for flexible mic placement
- ▶ Also includes SD card and microphone stand adapter
- ▶ 156 x 90 x 37.5 mm (6.14" x 3.54" x 1.5") / 325 g (0.7 lbs)



RTA

Take measurements in real-time in resolutions of 1/3 and 1/6 octaves at varying weightings and response times.



Meter

Measure sound pressure, dBu, dBV and voltage levels through this highly accurate meter. Take sound pressure level measurements between 30 and 130 dB SPL; dBu measurements between -85 and 25 dBu; dBV between -87.2 and 22.8 dBV, and; Voltage measurements can be taken between 0.0436mV and 13.8V.



RT60

Measure the reverb time of any room and view time results on screen.



Polarity

Check the polarity of any loudspeaker with this function. The polarity signal can be taken from the PAA3X's built-in signal generator, or the PAA3X take measurements with any standard polarity signal.

PAA6

2-Channel Audio Analyzer with Color Touch LCD

For the sound engineer who settles for nothing short of perfection, Phonic offers the PAA6 Audio Analyzer – a dual-channel, digital tester with 9 critical audio and signal analyzer functions. All accessible through the palm-sized unit's color touch-screen, the PAA6 utilizes an industrial-grade real-time spectrum analyzer, RT60 reverb calculator, LEQ, EQ setting and phase checking, polarity and scope functions, FFT, THD+N, and 2 built-in microphones that can take precise measurements from multiple positions. Complete with onboard memory and computer connectivity, a USB 2.0 connector and SD card slot are included to easily transfer information with a computer. The PAA6 is not only the ideal tester for pro engineers, live situations, and industrial sound, but also the go-to unit for regulatory purposes and product development.



- ▶ Powerful dual channel palm-size audio analyzer
- ▶ 480 x 272 color LCD touch screen
- ▶ Two built-in measurement condenser mics
- ▶ Tone generator includes pink noise, white noise, sine wave, sweep, polarity, triangle and square
- ▶ Elegant graphical user interface
- ▶ Long-lasting rechargeable lithium-ion battery system

- ▶ Useful functions include RTA, LEQ, RT-60, FFT, THD+N, Polarity, Phase, Scope and Meter (dB SPL, dBu, dBV, Volt)
- ▶ USB 2.0 port and SD card slot included for storing and retrieving data
- ▶ 30 to 130 dB SPL meter
- ▶ 175 x 40 x 106 mm (6.89" x 1.57" x 4.17") \ 0.46 kg (1 lbs)

RTA



Take measurements in real-time in resolutions of 1, 2/3, 1/3 and 1/6 octaves at varying weightings and response times.

FFT



The Fast Fourier Transform acts as a high resolution real time analyzer with a much wider frequency range and fast response time.

RT60



Measure the reverb time of any room and view a standard reverb graph with a time and level axis. Also allows users to refine results to filter particular frequencies.

THD+N



Run a test tone through any piece of audio equipment and back to the PAA6 to read the standardized total harmonic distortion plus noise results of that unit.

Phase



View the phasing of two signals through this accurate graph, updated in real-time.

Meter



Measure sound pressure, dBu, dBV and voltage levels through this highly accurate meter. Take sound pressure level measurements between 30 and 130 dB SPL; dBu measurements between -85 and 25 dBu; dBV between -87.2 and 22.8 dBV, and; Voltage measurements can be taken between 0.0436mV and 13.8V.

Scope



View the waveform of any signal through this oscilloscope. Horizontal division time and level range are both user definable, and users can zoom in and out to better view the waveform.

Polarity



Check the polarity of any loudspeaker with this function. The polarity signal can be taken from the PAA6's own signal generator, or the PAA6 take measurements with any standard polarity signal.

LEQ



Find the equivalent continuous noise level of a room or other venue over a period of time. Measurements can be taken anywhere between 1 minute and 48 hours.



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