

# PROFESSIONAL AUDIO

---

## 2018



A Brand New Era of Analog & Digital Sound

# PHONIC

---



# ABOUT

Innovation has always been a cornerstone of the pro audio industry. A company can make or break itself on how 'innovative' it can be. We at Phonic have never shyed away from innovation and strive to create new, sometimes different – but always useful – pro audio gear.

Keeping a finger on the pulse of technology has been the key focus of Phonic's marketing and R&D teams in the past decades. Whether it's offering the first truly affordable digital mixing console with color touch-screen interface, or building mixers that incorporate such technology as Bluetooth connectivity, USB recorders, and dynamic, automatic feedback silencers.

But the technological enhancements don't begin and end there. In recent years, Phonic has gradually shifted to D-class amplification in many of their powered mixers and power amplifiers. Offering highly efficient operation into low loadings, as well as offering exceptionally low-weight, this D-class – sometimes known as 'digital' – circuitry has been creeping its way into the entire Phonic product line.

Crafting exceptional loudspeakers is an art, and Phonic have achieved the pinnacle of loudspeaker design with series of active and loudspeakers. Custom transducers are specially designed for all products, while reinforced molded enclosures provide phenomenal acoustical response throughout and can be flown or ground stacked with easy, adjustable rigging system.

You'll always be getting the latest and greatest – that's the one thing you can count on when you purchase a Phonic product. With a broad range of mixing consoles, flexible amplifiers, and numerous loudspeakers, Phonic's entire product range empowers both professional and amateur users alike.



## **DIGITAL MIXERS**

Helix Board Series	2
PZ Series	4

## **MIXERS**

AM Gold Edition	5
AM Series	8
Sonic Station 16	11

## **POWERED MIXERS**

Powerpod Series	12
-----------------	----

## **POWER AMPLIFIERS**

iAMP Series	15
MAX Series	16
XP Series	17
ICON Series	18
ZMx Series	19

## **SPEAKERS**

Smartman Serie	20
Jubi Series	22
SEM Series	25
aSK Series	26
iSK Series	27
Contractor Speakers	29
Studio Monitors	31

## **PORTABLE AUDIO**

Safari Series	32
---------------	----

## **SIGNAL PROCESSORS**

GEQ Series	35
A2800	35
i2600	36

## **AUDIO ANALYZERS**

PAA Series	37
------------	----

## **MICROPHONES**

Wired Microphones	39
-------------------	----



## DIGITAL MIXERS

## HELIX BOARD RETURNS

Helix Board goes digital! Phonic introduces two new Helix Board models - the third generation of the highly popular series. The all new Helix Boards build upon many of the old series' best features but go much further. Newly designed with completely digital circuitry, the Helix Board 12i and Helix Board 32i feature a large array of digital signal processors that can better enhance any live setup. The Helix Board 12i is perfect for anybody looking to enter the digital mixing realm but unsure of where to start. Its familiar analog design mixed with intuitive software ensures these models will feel right at home in your live or studio setup.



Multi-track Audio Interface



Wireless audio



Multi-track Recording to USB Flash Drives



SLIM & SIMPLE DESIGN



### Helix Board 12i

#### 12 Input Digital Mixer with Bluetooth & Multi-track Recording

- ▶ 6 mono mic/line inputs and 1 stereo input
- ▶ 1 stereo aux return
- ▶ SPDIF digital input and output connectivity
- ▶ 3.2 inch 400x240 display for menu navigation
- ▶ Input channel processing: high and low pass filters, 4-band parametric equalizer, compressor and delay
- ▶ +48V phantom power for microphone inputs
- ▶ Channel parameter quick copy function
- ▶ Select, mute, PFL and rec/play buttons on every channel
- ▶ Channels are equipped with 100mm faders, signal and peak indicators
- ▶ 9-band graphic equalizer assignable to select mixes
- ▶ 8 output channels (stereo main, 4 sub outputs, 2 aux outputs)
- ▶ Multi-track digital recording function (interface or directly to USB)
- ▶ Output processing: high and low pass filter, compressor, delay and phase adjustment
- ▶ Auxiliary output (pre fader, post fader)
- ▶ Stereo 12-segment level indicators
- ▶ 4 scene recall buttons with 20 scene storage slots in total
- ▶ User parameter storage and call (can be managed on the PC)
- ▶ Remote operation software (iOS system, Windows system)
- ▶ System lock function for protecting your settings



A defining moment in Phonic's history was the release – and inevitable success – of the Helix Board series of mixers with built-in recording interface. The entire series received glowing reviews and accolades from numerous publications and gained an impressive reputation in the audio community. Phonic hopes to continue in that great legacy with the release of the Helix Board 32i, a 32 channel digital mixer with integrated recording interface. The Helix Board 32i offers amazingly low-noise input connectors that are send directly into quality A-D converters for seamless digital sampling of all audio. Your input and output signals are handled with the utmost of care by the 40-bit floating point digital signal processor. The large color touchscreen offers a visual guide to all your channels, levels, EQs, dynamic processors, digital effects, and so much more! All functions and features can be adjusted on screen or using the onboard controls. The Helix Board 32i can also be controlled remotely via WiFi with an iPad application available from the App Store. Power, sophistication and flexibility all converge in the Helix Board 32i.



10" colour touch screen



Remote iPad application



Multi-track audio interface for Mac and PC



Feedback silencer for live use



Multi-track recording to USB flash drives



Automixing function

### Helix Board 32i

Professional 32 Channel Digital Mixer

- ▶ 32 independent input channels: 16 mono XLR mic/line inputs plus 8 combo (XLR/TRS), 2 RCA and 6 TRS (3 stereo pairs) input channels
  - ▶ Large color touchscreen interface with gorgeous user interface for controlling all functions
  - ▶ Internal digital sampling rate selectable between 44.1 and 48 kHz in 24-bit resolution
  - ▶ Processing accomplished through a high quality 40-bit floating point digital signal processor
  - ▶ High quality 24-bit AD/DA converters offer extraordinary dynamic range
  - ▶ Dedicated talkback microphone input connector with assignable talkback button
  - ▶ Two physical faders for immediate access to your levels
- ▶ Remote operation through wired Ethernet connection
  - ▶ 4-band parametric EQ on every input and output channel
  - ▶ Extensive dynamic processing (gates, expanders, compressors, limiters) available on input channels, multi outputs and main mix
  - ▶ Four digital effect processors with 8 effect types, up to 9 variable parameters
  - ▶ Real-time analysis (RTA) for instantaneous display of system's response
  - ▶ Flexible auto ducker feature with adjustable threshold, depth and attack/release times
  - ▶ 8 aux and 8 group mixes assignable to any of the 16 multi outputs
  - ▶ USB play/record function for making recordings to USB flash drives or playing back digital audio files
  - ▶ Save and instantly recall scenes with ease in utility menu

	Helix Board 12i	Helix Board 32i
Total Channels	12	32
Combo Input Jacks	6	8
Balanced XLR Inputs	-	24
Main Output	2 x XLR, 2 x ¼"	2 x XLR (MAIN), 2 x XLR (CTRL RM)
Multi/Sub Output	4 x ¼"	16 x XLR
AUX Sends	2 x ¼"	-
USB Recording	Multi-track (Interface + USB)	Multi-track (Interface + USB)
Internal Sampling Rate	44.1 KHz, 48 KHz	44.1 KHz, 48 KHz
Other Features	Phantom Power	Phantom Power

When your application calls for a discrete yet powerful digital mixer, the Phonic PZ series fits the bill. The PZ-18 digital mixing consoles feature plentiful inputs combined with powerful digital signal processing for great live performances every time. Each system provides fantastic control potential, with RJ-45 connectors allowing remote PC operation plus wireless connectivity for an iPad control app. Everything from input and output levels to digital effect parameters and dynamics can be adjusted on screen within the software. These powerful digital consoles are rack-mountable, fitting into 3 units of rack space in any permanent or portable rack. Featuring many advancements in engineering and digitally refined, the PZ series of digital rack-mountable devices give you the freedom to concentrate on what's important: your performance, your mix, your music.



**PZ-18**  
**18-Input, 8-Bus Rack-mountable Digital Mixer**

- ▶ 16 independent input channels: 8 combo (XLR/TRS) inputs plus 8 mono XLR mic/line inputs
- ▶ Expand system up to 32 channels through PZ-16SE Expansion Box (sold separately)
- ▶ Internal digital sampling rate selectable between 44.1 and 48 kHz in 24-bit resolution
- ▶ Processing accomplished through a high quality 40-bit floating point digital signal processor
- ▶ High quality 24-bit AD/DA converters offer extraordinary dynamic range
- ▶ Dedicated talkback microphone input connector with assignable talkback button
- ▶ Remote operation through wired Ethernet connection

- ▶ 4-band parametric EQ on every input and output channel
- ▶ Extensive dynamic processing (gates, expanders, compressors, limiters) available on input channels, multi outputs and main mix
- ▶ Four digital effect processors with 8 effect types, up to 9 variable parameters
- ▶ Flexible auto ducker feature with adjustable threshold, depth
- ▶ 8 aux and 8 group mixes assignable to multi outputs
- ▶ USB play/record function for making recordings to USB flash drives or playing back digital audio files
- ▶ User-defined keys for fast and immediate access to all essential parameters
- ▶ Save and instantly recall scenes with ease in utility menu
- ▶ +48V DC phantom power activated through user interface



**PZ-16SE**  
**16-Input, 8-Bus Digital Mixer Expansion Box**

- ▶ 16 mono mic/line inputs through XLR jacks
- ▶ 8 assignable XLR group output mixes
- ▶ Operates with PZ-18 digital mixer, sold separately
- ▶ Built-in signal processors controlled through connection to PZ-18
- ▶ 2U rack-mountable construct is compact

	PZ-18	PZ-16SE
Total Channels	18	16
Combo Input Jacks	8	-
Balanced XLR Inputs	8	16
Main Output	XLR	-
Multi Outputs	8	8
Wi-Fi	Built-in	-
Other Features	Phantom Power, USB Interface	Phantom Power



Multi-track recording to USB flash drives



Remote iPad application



5" colour touch screen



Automixing function



19" Rack-mountable



Multi-track audio interface for Mac and PC

## Common Features:

- ▶ Record audio in pristine uncompressed wav format and upload it to the web from your PC
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ Supports playback of numerous digital formats including wav, mp3 and wma
- ▶ USB connectivity for stereo streaming to and from the computer (no driver required)
- ▶ Flexible 'compander' (compressor/expander) available on mono channels
- ▶ All-new elegant design with modern LCD metering
- ▶ Branded Neutrik "Combo" and "XLR" inputs
- ▶ Auxiliary mix with independent AUX out control
- ▶ Independent stereo headphone output jack
- ▶ Stereo RCA 2T return and record out



## ANALOG MIXERS GOLD EDITION

BT

Wireless  
Audio



Uncompressed  
WAV Recording



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



### AM5GE

**1-Mic/Line, 2-Stereo Line Input Compact Mixer with Bluetooth & USB 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



### AM6GE

**2-Mic/Line, 2-Stereo Line Input Compact Mixer with Bluetooth & USB 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





## AM8GE

### 4-Mic/Line, 2-Stereo Line Input Compact Mixer with DFX, Bluetooth and USB 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



## AM12GE

### 4-Mono, 4-Stereo Input 2-Group Mixer with DFX, Bluetooth & USB 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

	AM5GE	AM6GE	AM8GE
Total Channels	5	6	8
Mono/Stereo Input Channels	1/2	2/2	4/2
Mic Preamps	1	2	4
AUX/EFX Sends	-	1	1
AUX Return	-	1 stereo	-
Compressor	1	2	4
Metering	2 x 10	2 x 10	2 x 10
Equalization	2-band (mono)	2-band (mono), 3-band (stereo)	2-band (mono)
Low Cut Filter	-	-	75Hz (-18dB/oct)
32/40-bit DFX Processor	-	-	16 Programs
Other Features	Phantom Power, USB Recorder, USB Interface, Bluetooth	Phantom Power, USB Recorder, USB Interface, Bluetooth	Phantom Power, USB Recorder, USB Interface, Bluetooth



## AM14GE

### 6-Mono, 4-Stereo Input 2-Group Analog Mixer with DFX, Bluetooth & USB 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
- ▶ Optional rack mounting kit (sold separately)



## AM16GE

### 8-Mono, 4-Stereo Input 4-Group Analog Mixer with DFX, Bluetooth & USB Recording/Playback

- ▶ Eight 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 (mono channels)
- ▶ 32/40-bit DFX processor with 16 programs each with a user-adjustable parameter
- ▶ 75Hz low-cut filter on mono channels
- ▶ 4 stereo AUX returns with effect to monitor
- ▶ Serial direct output and insert connectors
- ▶ Stereo 20 segment level metering
- ▶ 4 true subgroups with main L and R routing switches
- ▶ Optional rack mounting kit (sold separately)

	AM12GE	AM14GE	AM16GE
Total Channels	12	14	16
Mono/Stereo Input Channels	4/4	6/4	8/4
Mic Preamps	6	8	8
AUX/EFX Sends	2	3	4
AUX Return	2 stereo	2 stereo	4 stereo
Compressor	4	6	8
Metering	2 x 20	2 x 20	2 x 20
Equalization	3-band swept mid (mono), 4-band (stereo)	3-band swept mid (mono), 4-band (stereo), 9-band Main GEQ	3-band swept mid (mono), 4-band (stereo)
Low Cut Filter	-	-	75Hz (-18dB/oct)
32/40-bit DFX Processor	16 Programs	16 Programs	16 Programs
Other Features	Phantom Power, USB Recorder, USB Interface, Bluetooth	Phantom Power, USB Recorder, USB Interface, Bluetooth	Phantom Power, USB Recorder, USB Interface, Bluetooth, Serial I/O

## MIXERS

## CLASSIC ANALOG

Owning a quality analog mixer shouldn't be dependent on the size of your sound, or your budget. That's why Phonic offers an enormous range of mixers in their AM analog series – ranging from 5-channel models ideal for small format and sub mixing, all the way up to 32-channel models perfect for bands, clubs, and even houses of worship. Each and every Phonic AM mixer features ultra low-noise preamps, multi-band EQs, clean phantom supplies, and the same precision craftsmanship that personifies the entire Phonic brand. Additional model-specific features include USB digital audio playback, digital effect processors, adjustable compressors, and auxiliary and subgroups mixes. Simple, user-friendly, and attuned to your needs, there's the perfect AM analog mixer for everybody.



### AM55

#### 1-Mic, 2-Stereo Line Compact Mixer

- ▶ One mic/line and two stereo channels
- ▶ 2-band EQ on mono input channel



### AM85

#### 2-Mic, 2-Stereo Line Compact Mixer

- ▶ Two mic/line and two stereo inputs with 3-band EQ
- ▶ Stereo EFX send cue for ease of monitoring individual channel



### AM105FX

#### 2-Mic, 4-Stereo Line Compact Mixer with EFX

- ▶ Two mic/line inputs with 3-band EQ and low cut
- ▶ One-touch multi delay effect with parameter control



### 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

	AM55	AM85	AM105FX	AM220
Total Channels	5	6	10	6
Mono/Stereo Input Channels	1/2	2/2	2/4	2/2
Mic Preamps	1	2	2	2
AUX/EFX Sends	-	1	1	1
AUX Return	-	1 stereo	-	1 stereo
Metering	2 x 4	2 x 4	2 x 4	2 x 4
Equalization	2-band	3-band	3-band	3-band
Low Cut Filter	75 Hz (-18 dB/oct)	-	75 Hz (-18 dB/oct)	-
EFX Processor	-	-	1 EFX	-
Other Features	-	Phantom Power	Phantom Power	Phantom Power





## AM240D

### 2-Mic, 4-Stereo Line Input Compact Mixer with DFX

- ▶ 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, 4-Stereo Line Compact Mixer

- ▶ Four balanced mic/line and four stereo input channels
- ▶ 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



## AM440D

### 4-Mic, 4-Stereo Line Compact Mixer with DFX

- ▶ Four balanced mic/line and four stereo input channels
- ▶ 32/40-bit DFX processor with 16 programs and main parameter control
- ▶ 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



## AM844D

### 10-Mic, 8-Mono, 4-Stereo Line 4-Group Mixer with DFX

- ▶ 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
- ▶ 32/40-bit DFX processor with 16 programs
- ▶ Direct outputs for multi-track recording
- ▶ 4 AUX sends, aux 1 & 2 with Pre/Post selector
- ▶ 4 stereo AUX returns with solo switch selector
- ▶ CTRL RM/Phones with multi input source matrix selector

	AM240D	AM440	AM440D	AM844D
Total Channels	10	12	12	16
Mono/Stereo Input Channels	2/4	4/4	4/4	8/4
Mic Preamps	2	4	4	10
AUX/EFX Sends	1	1	1	4
AUX Return	-	1 stereo	1 stereo	2 stereo
Metering	2 x 4	2 x 4	2 x 4	2 x 12
Equalization	3-band	3-band	3-band	3-band, 4-band
Low Cut Filter	75Hz (-18 dB/oct)	75Hz (-18dB/oct)	75Hz (-18dB/oct)	75 Hz (-18 dB/oct)
32/40-bit DFX Processor	16 programs	-	16 programs	16 programs
Other Features	Phantom Power	Phantom Power	Phantom Power	Phantom Power



### AM642D USB

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

- ▶ Six mic/line channels with inserts and phantom power
- ▶ One-knob compressor on mono input channels
- ▶ Four stereo channels with 4-band EQ
- ▶ Stereo USB audio interface for PC and Mac computers
- ▶ Stereo 9-band graphic EQ, assignable to main or AUX 1



### AM1204FX

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

- ▶ PFL, pre fader listening for easy monitoring

#### Common Features:

- ▶ 4 mono mic/line channels with two stereo line inputs
- ▶ 32-bit DFX processor w/16 presets and parameter control
- ▶ Control room/Phones source matrix
- ▶ EFX/AUX send cue for monitoring individual channels
- ▶ 3-band equalizer available on each and every channel
- ▶ 75Hz LCF on mono channels for removing rumble
- ▶ Stereo balanced XLR master outputs
- ▶ ALT 3/4 mix for diverting signals from muted channels



### 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



Record to and play from USB flash drives



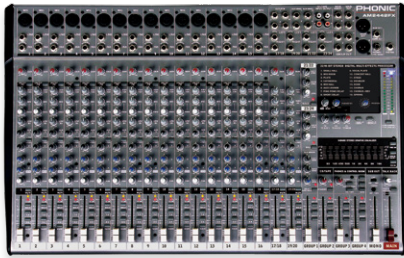
Wireless audio

### AM1204FX RW

4-Mic, 2-Stereo Line Input Compact Mixer, DFX & USB Interface and USB Player / Recorder

- ▶ Stereo audio interface for digital audio recording and playback
- ▶ Plug-and-play compatibility with modern PC and Mac computers
- ▶ Solo function on each input channel
- ▶ Recording and playback of digital audio files to and from USB flash drives
- ▶ Variable compressor on mono channels
- ▶ Record (WAV) and play (WAV, MP3) digital audio files to and from USB flash drives

	AM642D USB	AM844D USB	AM1204FX	AM1204FX RW
Total Channels	14	16	8	8
Mono/Stereo Input Channels	6/4	8/4	4/2	4/2
Mic Preamps	6	10	4	4
AUX/EFX Sends	3	4	1	1
AUX Return	2 stereo	4 stereo	2 stereo	2 stereo
Metering	2 x 12	2 x 12	2 x 11	2 x 11
Equalization	3-band, 4-band	3-band, 4-band	3-band	3-band
Low Cut Filter	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
32/40-bit DFX Processor	16 programs	16 programs	16 programs	16 programs
Other Features	Phantom Power, USB Connectivity	Phantom Power, USB Connectivity	Phantom Power	Phantom Power, USB Connectivity, USB Recorder (WAV format)



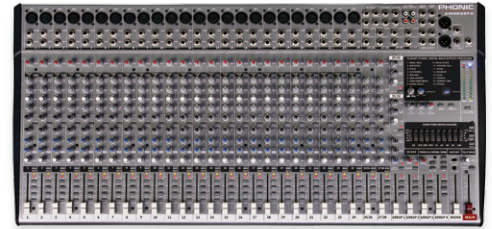
## AM2442FX

### 16-Mic, 4-Stereo Line 4-Bus Studio/Live Mixer with DFX and GEQ

- ▶ Sixteen mono mic/line inputs
- ▶ 3-band EQ with swept-mid frequency on every mono channels
- ▶ Low-cut filters remove stage rumble and other low-frequency noise
- ▶ Insert points for adding signal processors directly into channels
- ▶ 4 AUX sends on channels 1 to 20

## Common Features:

- ▶ 2 stereo input channels with 4-band equalizer
- ▶ 32/40-bit digital multi-effect processor with 16 programs, main parameter control and foot switch jack
- ▶ 2 additional stereo input channels with level and pre-fader AUX facilities
- ▶ 9-band stereo graphic equalizer
- ▶ 4 subgroups and additional mono output
- ▶ Solo-In-Place and Pre-Fader Listen functions
- ▶ Full-featured built-in talkback section
- ▶ Standby switch mutes all mic channels during breaks
- ▶ CD/tape inputs for playing external music sources
- ▶ Built-in switching power supply with universal connector, 100-240V, 50/60Hz
- ▶ Clip indication and gain level set LEDs plus mute switches for each channel
- ▶ 4 AUX sends on channels 1 to 20



## AM3242FX

### 24-Mic, 4-Stereo Line 4-Bus Studio/Live Mixer with DFX and GEQ

- ▶ Twenty-four mono mic/line inputs
- ▶ 3-band EQ with swept-mid frequency on every mono channels
- ▶ Low-cut filters remove stage rumble and other low-frequency noise
- ▶ Insert points for adding signal processors directly into channels
- ▶ 4 AUX sends on all channels

## Sonic Station 16

### 16-Mic/Line 4-Group Mixer with Dual-Position I/O Pod & DFX



- ▶ 16 mic/line channels with inserts, 3-band swept-mid EQ and 75Hz low cut filter
- ▶ 32/40-bit digital multi-effect processor with 16 programs, main parameter control and foot switch jack
- ▶ 6 aux sends, aux 1 & 2 with Pre/Post switch
- ▶ 4 stereo aux returns, 3 with effect to monitor
- ▶ Pad switch on first 4 mono channels
- ▶ Mini Stereo I/O and stereo RCA I/O each with trim control
- ▶ Global +48V phantom power for microphones
- ▶ 4 true subgroups with main L and R routing switches
- ▶ 8 direct outputs for multi-track recording
- ▶ Control Room and Phones outputs with multi-input source matrix
- ▶ Mono out with variable low pass filter from 60 Hz to 160 Hz for subwoofer
- ▶ Dual-position I/O pod for easier desktop or rack-mounted operation
- ▶ Built-in switching power supply with universal connector, 100-240 VAC, 50/60 Hz

	AM 2442FX	AM 3242FX	Sonic Station 16
Total Channels	24	32	16
Mono/Stereo Input Channels	16/4	24/4	16 mono
Mic Preamps	16	24	16
AUX/EFX Sends	4	4	6
AUX Return	2 stereo	2 stereo	4 stereo
Metering	2 x 12	2 x 12	2 x 12
Equalization	3-band	3-band	3-band
Low Cut Filter	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)	75 Hz (-18 dB/oct)
32/40-bit DFX Processor	16 programs	16 programs	16 programs
Other Features	Phantom Power	Phantom Power	Phantom Power



## POWERED MIXERS

## POWERED LEGACY

Keeping a pro audio series alive for over 15 years is no easy feat, but the Powerpod series has been a staple of Phonic for just that long. In 2018 Phonic revamped the Powerpod series to include both USB recording and Bluetooth connectivity from a single integrated module. But the updates don't stop there! Robust power has never been a problem with the Powerpod, but Phonic engineers have increased the power output by up to 50% across the new models. These updates can all be found in the fantastic new Powerpod RW series.

BT

Wireless audio



Uncompressed WAV recording to USB flash drives



### 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
- ▶ Variable digital delay with time and repeat parameters
- ▶ Additional 1/4" TRS send/return jack for main insert

#### Common Features:

- ▶ Audiophile-quality microphone preamplifiers on all models
- ▶ Simple USB module for recording uncompressed WAV to USB flash drives
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ Stereo RCA 2T return and record output



### POWERPOD 630RW

300W 6 Channel Powered Mixer with USB Recorder & Bluetooth

- ▶ 2 x 150W / 4 ohm dual power amplifiers for Main or Main/Mon (Bridge, 300W / 8 ohm)
- ▶ 4 mono, 2 stereo mic/line input channels with 2-band EQs
- ▶ 32/40-bit digital effect processor with 16 preset programs and parameter control
- ▶ 7-band master graphic equalizer
- ▶ Pad buttons on channels 1 to 4
- ▶ 1/4" AUX return for additional inputs
- ▶ Mon and EFX sends on each input channel



### POWERPOD 750RW

500W 7 Channel Powered Mixer with USB Recorder & Bluetooth

- ▶ 2 x 250W / 4 ohm dual power amplifiers for Main or Main/Mon (Bridge, 500W / 8 ohm)
- ▶ 4 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 32/40-bit digital effect processor with 16 preset programs and parameter control
- ▶ Dual 7-band graphic equalizers with In/Out switches for Main L/R or Main/Mon
- ▶ Pad control on channels 1 to 4
- ▶ Rumble filters for mic inputs
- ▶ 1/4" AUX return for additional inputs
- ▶ Mon and EFX sends on each input channel

	POWERPOD 415RW	POWERPOD 630RW	POWERPOD 750RW
Power Channels	1	2	2
4 ohms per Channel	150W	150W	250W
8 ohms Bridge Mono	-	300W	500W
Lo-Z / Hi-Z Input Channels	4	6, 2 with super Hi-Z	4, 2 with super Hi-Z
Stereo Input Channels	-	2	3
Aux Returns	-	1	1
Main Mono	Send/Return	1	1
Monitor & AUX / EFX Send	-	2	2
Built-in Digital Effect Processor	Variable Delay	16 programs	16 programs
Channel Equalization	2-band, ±15dB	2-band, ±15dB	3-band, ±15dB
Other Features	USB Recording, Bluetooth Connectivity	Phantom Power, USB Recording, Bluetooth Connectivity	Phantom Power, USB Recording, Bluetooth Connectivity

Continually updating a popular legacy product to keep them fresh and relevant is no easy feat but this year Phonic will introduce the all new "U" edition of the popular Powerpod powered mixers. These special budget-conscious systems feature an all new USB playback module that has integrated Bluetooth connectivity. Playback of audio files is controlled through a simple three-button system that allows users to rapidly initiate playback of files when necessary. Bluetooth connectivity is also possible when USB playback is not active. Simply connect with your tablet or smartphone and play all your audio files directly through the powered system.



## USB Player with Bluetooth

The simple, 3-button USB module allows users to inject digital audio (both WAV and MP3 formats) directly into their mix. It also features built-in Bluetooth connectivity for wireless streaming from smartphones and tablets. Whether it's a backing track to help flesh out your performance, playback of music between sets, or hitting audio cues during live performances, the Powerpod "U" makes incorporating digital audio a breeze.



Wireless audio



Play digital audio from USB flash drives



### POWERPOD 410U

**100W 4 Channel Powered Mixer with USB Playback & Bluetooth**

- ▶ Built-in 100 Watt / 4 ohm power amplifier
- ▶ 4 mic/line input channels with 2-band EQs
- ▶ Variable digital delay with time and repeat parameters
- ▶ Additional 1/4" TRS send/return jack for main insert



### POWERPOD 620U

**200W 6 Channel Powered Mixer with USB Playback & Bluetooth**

- ▶ 2 x 100W / 4 ohm dual power amplifiers for Main or Main/Mon (Bridge, 200W / 8 ohm)
- ▶ 4 mono, 2 stereo mic/line input channels with 2-band EQs
- ▶ 32/40-bit digital effect processor with 16 preset programs and parameter control
- ▶ 7-band master graphic equalizer
- ▶ Pad buttons on channels 1 to 4
- ▶ 1/4" AUX return for additional inputs
- ▶ Mon and EFX sends on each input channel



### POWERPOD 740U

**400W 7 Channel Powered Mixer with USB Playback & Bluetooth**

- ▶ 2 x 220W / 4 ohm dual power amplifiers for Main or Main/Mon (Bridge, 440W / 8 ohm)
- ▶ 4 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 32/40-bit digital effect processor with 16 preset programs and parameter control
- ▶ Dual 7-band graphic equalizers with In/Out switches for Main L/R or Main/Mon
- ▶ Pad control on channels 1 to 4
- ▶ Rumble filters for mic inputs
- ▶ 1/4" AUX return for additional inputs
- ▶ Mon and EFX sends on each input channel

#### Common Features:

- ▶ Audiophile-quality microphone preamplifiers on all models
- ▶ USB module for direct playback of digital audio files (MP3 and WAV)
- ▶ Bluetooth audio streaming from tablets and smartphones
- ▶ Stereo RCA 2T return and record output

	POWERPOD 410U	POWERPOD 620U	POWERPOD 740U
Power Channels	1	2	2
4 ohms per Channel	100W	100W	220W
8 ohms Bridge Mono	-	200W	440W
Lo-Z / Hi-Z Input Channels	4	6, 2 with super Hi-Z	4, 2 with super Hi-Z
Stereo Input Channels	-	2	3
Aux Returns	-	1	1
Main Mono	Send/Return	1	1
Monitor & AUX / EFX Send	-	2	2
Built-in Digital Effect Processor	Variable Delay	16 programs	16 programs
Channel Equalization	2-band, ±15dB	2-band, ±15dB	3-band, ±15dB
Other Features	USB Playback, Bluetooth Connectivity	Phantom Power, USB Playback, Bluetooth Connectivity	Phantom Power, USB Playback, Bluetooth Connectivity

For the past 15 years, 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.



Wireless audio



Record uncompressed WAV files directly to USB flash drives



**POWERPOD 1062R**

**600 Watt 10 Channel Powered Mixer with DFX & USB Recorder/Player**

- ▶ 2 x 300W / 4 ohms stereo power amplifier for Main L/R or Mono/Monitor
- ▶ Record uncompressed WAV files directly to USB flash drives
- ▶ Playback multiple audio formats such as WAV, MP3 and more
- ▶ 6 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 2 super Hi-Z inputs optimized for direct instrument inputs
- ▶ 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

**POWERPOD 1082R**

**800 Watt 10 Channel Powered Mixer with DFX & USB Recorder/Player**

- ▶ 2 x 400W / 4 ohms stereo power amplifier for Main L/R or Mono/Monitor
- ▶ Record uncompressed WAV files directly to USB flash drives
- ▶ Playback multiple audio formats such as WAV, MP3 and more
- ▶ 6 mono, 3 stereo mic/line input channels with 3-band EQs
- ▶ 2 super Hi-Z inputs optimized for direct instrument inputs
- ▶ 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

	POWERPOD 1062R	POWERPOD 1082R
Power Channels	2	2
4 ohms per Channel	300W	400W
Lo-Z / Hi-Z Input Channels	8, 2 with Super Hi-Z	8, 2 with Super Hi-Z
Stereo Input Channels	2	2
AUX Returns	Stereo	Stereo
Monitor & AUX/EFX Send Masters	2	2
Built-in Digital Effect Processor	16 programs	16 programs
Channel Equalization	3-band, ±15dB	3-band, ±15dB
Other Features	Phantom Power, USB Recorder	Phantom Power, USB Recorder



# D-CLASS POWER

Phonic iAMP powers amplifiers offer digital amplification at its finest, providing up to 1500 Watts of sheer power per channel into loads as low as 2 ohms. The high-speed, high resolution class D circuitry works with the sturdy yet low-weight construction to create an amplifier strong enough for permanent installations yet light enough for portable sound purposes. Input to the iAMP is flexible, accepting both XLR and balanced 1/4" phone jack inputs via onboard combo jacks. Speakon jacks are provided for output to speakers. The iAMP amplifiers are ideal for moderate to large venues in live venues such as hotels, clubs, and houses of worship.



**iAMP 3020**  
3000 Watt Digital Amplifier

- ▶ 1500 Watts per channel at 2 ohms
- ▶ 1000 Watts per channel at 4 ohms
- ▶ 600 Watts per channel at 8 ohms
- ▶ Advanced class D topology
- ▶ Versatile combo (XLR & 1/4") inputs
- ▶ Speakon speaker output connectors
- ▶ Light weight design
- ▶ Front panel LED indicators
- ▶ Detented input controls
- ▶ 1/4" jack signal thru on each channel



**iAMP 3020DSP**  
3000 Watt Digital Amplifier with Onboard DSP

- ▶ 1500 Watts per channel at 2 ohms
- ▶ 1000 Watts per channel at 4 ohms
- ▶ 600 Watts per channel at 8 ohms
- ▶ Advanced class D topology
- ▶ Versatile combo (XLR & 1/4") inputs
- ▶ Speakon speaker output connectors
- ▶ Light weight design
- ▶ Front panel LED indicators
- ▶ Detented input controls
- ▶ 1/4" jack signal thru on each channel
- ▶ Built-in digital signal processors:
  - ▶ Variable crossover
  - ▶ Speaker alignment delay
  - ▶ Output limiter
  - ▶ 31-band Graphic EQ
  - ▶ 8 user-defined scenes
  - ▶ Comprehensive system monitoring

	iAMP 3020	iAMP 3020DSP
Watts into 2 ohms	1500W x 2	1500W x 2
Watts into 4 ohms	1000W x 2	1000W x 2
Watts into 8 ohms	600W x 2	600W x 2
Channels	2	2
Fans	1	1
Controls	Detented Gain; High-Pass, Sub	Detented Gain; High-Pass, Sub; Set/Enter; Prev/Up; Next/Down

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.

**MAX500**  
240 Watt Power Amplifier

- ▶ Output power: 120W @ 4 ohms per channel, 90W @ 8 ohms per channel
- ▶ High damping factor provides exceptional loudspeaker motion control
- ▶ Detented level controls for precise repeatability
- ▶ Short circuit, thermal, subsonic, RF protection, output DC offset, over-heat protection and power on/off muting
- ▶ Convection cooling system dissipates heat through the heat sink and chassis for noise-free operation



**Common Features:**

- ▶ High-current toroidal transformers for greater power and low noise
- ▶ Balanced XLR and 1/4" phone jack inputs
- ▶ 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
- ▶ Grounding / Floating switch to avoid grounding loop



**MAX1000**  
600 Watt Power Amplifier

- ▶ Output power: 300W @ 4 ohms per channel, 200W @ 8 ohms per channel



**MAX1500 PLUS**  
900 Watt Power Amplifier

- ▶ Output power: 450W @ 4 ohms per channel, 280W @ 8 ohms per channel



**MAX2500 PLUS**  
1500 Watt Power Amplifier

- ▶ Output power: 750W @ 4 ohms per channel, 500W @ 8 ohms per channel



**MAX3500**  
2400 Watt Power Amplifier

- ▶ Output power: 1200W @ 4 ohms per channel, 800W @ 8 ohms per channel

	MAX 500	MAX 1000	MAX 1500 Plus	MAX 2500 Plus	MAX 3500
Watts into 4 ohms	120W x 2	300W x 2	450W x 2	750W x 2	1200W x 2
Watts into 8 ohms	90W x 2	200W x 2	280W x 2	500W x 2	800W x 2
Watts, Bridge	-	600W into 8 ohms	900W into 8 ohms	1500W into 8 ohms	2400W into 8 ohms
Channels	2	2	2	2	2
Fans	Convection	1 variable speed	1 variable speed	1 variable speed	1 variable speed
Controls	Detented Gain; Grounding/Floating; Parallel/Stereo	Detented Gain; Grounding/Floating; Parallel/Stereo/Bridge; Breaker reset	Detented Gain; Grounding/Floating; Parallel/Stereo/Bridge; Breaker reset	Detented Gain; Grounding/Floating; Parallel/Stereo/Bridge; Breaker reset	Detented Gain; Grounding/Floating; Parallel/Stereo/Bridge; Breaker reset

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.

**Common Features:**

- ▶ High continuous current output from robust toroidal transformer
- ▶ Fast Recovery design for lower distortion if clipping occurs
- ▶ 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
- ▶ 2 ventilation variable speed fans
- ▶ Speakon-type connectors and 5-way binding posts speaker outputs
- ▶ XLR & 1/4" TRS connectors for maximum input flexibility
- ▶ Requires 3U of a standard 19" rack



**XP 2000**  
1920 Watt Power Amplifier

- ▶ Output Power: 960W @ 2Ω / channel, 660W @ 4Ω / channel



**XP 3000**  
2800 Watt Power Amplifier

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



**XP 5000**  
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



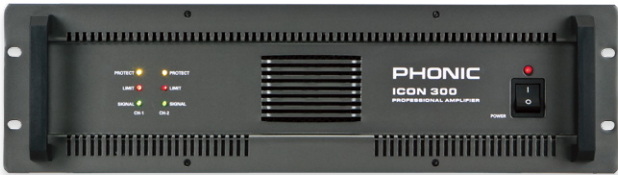
**XP 6000**  
6000 Watt Power Amplifier

- ▶ Output Power: 3000W @ 2Ω / channel, 2400W @ 4Ω / channel
- ▶ Independent user-defeatable clip limiters reduce distortion
- ▶ XLR, 1/4" and barrier strip inputs all included

	XP 2000	XP 3000	XP 5000	XP 6000
Watts into 2 ohms	960W x 2	1400W x 2	2500W x 2	3000W x 2
Watts into 4 ohms	660W x 2	1100W x 2	1800W x 2	2400W x 2
Watts into 8 ohms	450W x 2	650W x 2	1100W x 2	1500W x 2
Watts, Bridge Mode	1920W into 4 ohms	2800W into 4 ohms	5000W into 4 ohms	6000W into 4 ohms
Channels	2	2	2	2
Fans	2 variable speed	2 variable speed	2 variable speed	2 variable speed
Controls	Channel Detented Gain; Floating/Grounding; Limiter on/off; HP: 30Hz/50Hz; Parallel/Stereo/Bridge	Channel Detented Gain; Floating/Grounding; Limiter on/off; HP: 30Hz/50Hz; Parallel/Stereo/Bridge	Channel Detented Gain; Floating/Grounding; Limiter on/off; HP: 30Hz/50Hz; Parallel/Stereo/Bridge	Channel Detented Gain; Floating/Grounding; Limiter on/off; HP: 30Hz/50Hz; Parallel/Stereo/Bridge

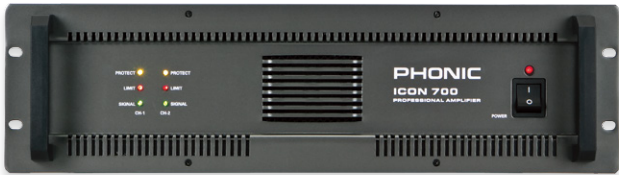


ICON series power amplifiers are designed with the needs of sound contractors in mind. The binding post outputs allow for connection to standard low impedance speakers. Barrier strip outputs enable 25V, 70V and 100V Line operation. Each amplifier channel has a separate toroidal secondary transformer 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.



**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 300	ICON 700
Watts into 2 ohms	300W x 2	550W x 2
Watts into 4 ohms	200W x 2	400W x 2
Watts into 8 ohms	120W x 2	240W x 2
Watts (70V/100V)	150W x 2	350W x 2
Watts, Bridge Mode (1kHz,1%THD)	540W into 4 ohms	1100W into 4 ohms
Channels	2	2
Fans	1 dual speed	1 dual speed
Controls	Detented Gain (rear); Parallel/Stereo/Bridge	Detented Gain (rear); Parallel/Stereo/Bridge

The ZMx100 and ZMx200 rack-mountable multi-zone public address amplifiers offer users with an easy and convenient solution for public announcement, relay and other commercial applications. Input is achieved via three combo jacks for microphones plus two line-level input channels. Line input 1 accepts RCA and 1/4" connectors while line 2 accepts RCA and 1/8" mini-stereo jacks. Onboard USB playback allows users to play audio directly from USB flash drives, while built-in chime alert and announcement tones enable for quick and easy emergency talkback. A battery terminal allows the unit to be operational for emergency use even in the event of power loss. Offering 100 to 200 Watts split between each zone, the ZMx100 and ZMx200 are among the most flexible and powerful public address amplifiers available in today's commercial/installation audio market.

### Common Features:

- ▶ 3 microphone, 2 line input channels
- ▶ Microphone input via combo jacks on first 3 channels
- ▶ Line 4 input offers stereo RCA and 1/4" TRS
- ▶ Line 5 input offers stereo RCA and mini-stereo
- ▶ Screw terminal speaker output connectors
- ▶ Built-in echo effect with volume control
- ▶ Stereo RCA tape in / line out connectors
- ▶ Alert chimes and 'announce' tones built-in
- ▶ Battery connectivity for emergencies in power-outages
- ▶ Built-in FM radio function with detachable antenna
- ▶ 6-segment LED VU meter for main output mix
- ▶ Front panel system EQ with treble and bass controls
- ▶ Individual zone output select buttons
- ▶ Direct playback of MP3, WAV or WMA audio files
- ▶ Bluetooth connectivity for streaming digital audio from smart devices
- ▶ 1/4" TRS link inputs and outputs
- ▶ Removable rack ears included
- ▶ 2 standard rack units high



Record to and play  
from USB flash drives



### ZMx100

100 Watt 4 Zone Amplifier

- ▶ 100 Watt (RMS) of power at 4 ohms, 100V
- ▶ 4 independent zones, each with individual assignment button



### ZMx200

200 Watt 8 Zone Amplifier

- ▶ 200 Watt (RMS) of power at 4 ohms, 100V
- ▶ 8 independent zones, each with individual assignment button

	ZMx100	ZMx200
Power Output (Rated)	100W	200W
Combo Inputs	3	3
RCA Inputs	3 stereo	3 stereo
Other Inputs	Mini-stereo, 1/4" TRS	Mini-stereo, 1/4" TRS
Link Input/Output	Yes	Yes
100V Output	Yes - 4 Zones	Yes - 8 Zones
4Ω Output	Yes - 2 channels	Yes - 4 channels
Other Features	Phantom Power, USB Player/Recorder, Bluetooth Interface, FM Radio	Phantom Power, USB Player/Recorder, Bluetooth Interface, FM Radio

## SPEAKERS

## THE 'SMART' SPEAKER

Let's put it simply: the new all-in-one Phonic Smartman is the smart choice in audio systems. A powerful digital mixer has been built directly into a robust yet stylish active speaker to create what can only be explained as pure audio perfection. This is what the Smartman is all about: the perfect marriage of power and technology. WiFi connectivity allows for wireless control of the internal signal processors – including dynamics, equalizers, digital effects and more. A USB recording module and Bluetooth connectivity allow for multiple recording and playback options. In short: it's a fully featured all-in-one intelligent audio system. That being the case, we could only call it Smart.



Record to and play  
from USB flash drives



Wireless audio

### Common Features:

- ▶ All-in-one system incorporates digital mixer, active loudspeaker, two UHF microphones (optional) and flexible Windows software for remote operation through RJ-45 connector (using an RS-485 protocol)
- ▶ 11 channel digital mixer including microphone combo (XLR/¼") input, stereo line inputs and stereo RCA inputs in addition to Bluetooth and USB inputs and the UHF wireless microphone option (Smartman 303A, 703A)
- ▶ 14 channel digital mixer on the Smartman 708A, including combo, stereo line inputs and stereo RCA inputs (and more) in addition to Bluetooth and USB inputs and the Bluetooth (Phonic BTM 10)/UHF wireless microphone option
- ▶ Digital mixer includes level adjustment, flexible compressor/limiter, channel EQs, main GEQ, high pass filters, low pass filters and delay
- ▶ Digital effect processor with reverb, tap delay, echo and chorus effects, each with user-adjustable parameters
- ▶ Infinite expansion through Smartman expansion speakers (300A, 700A)
- ▶ Flexible signal processing controlled through Windows software or WiFi
- ▶ XLR and ¼" Link outputs with user-selectable stereo/mono operation
- ▶ Wide frequency response for superior audio output
- ▶ Wireless UHF microphone systems (optional)
- ▶ Wireless Bluetooth audio streaming from smart devices
- ▶ Up to 200 meters of delay can be added to any unit



### Smartman 303A

120 Watt 8" Intelligent All-in-one Audio Systems

- ▶ 8" woofer combined with 1" tweeter
- ▶ 120 Watts of power through D class amplifiers
- ▶ Aluminum framed flight case and speaker stand set available (sold separately, model number HC-SS)



Smartman 703A



Smartman 708A

### Smartman 703A / 708A

700 Watt 12" Intelligent All-in-one Audio Systems

- ▶ 12" woofer combined with 1½" tweeter
- ▶ 700 Watts of power through AB and D class amplifiers



The Smartman series also offers a number of expansion speakers that feature the same fantastic style and power but not the extensive signal processing of the regular versions. These simplified versions allow for multiple speakers to be used to increase coverage area.

**Common Features:**

- ▶ Combo input for XLR and 1/4" phone jack inputs  
 ▶ XLR output connector for extended operation  
 ▶ Wide frequency response for superior audio output
- ▶ Pole mount for extended audience reach  
 ▶ Road-worthy impact resistant polymer enclosures  
 ▶ Tour grade grille for speaker protection



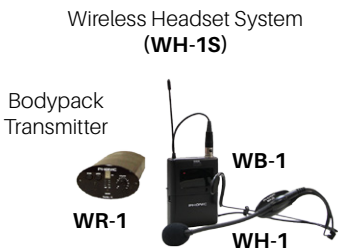
**Smartman 300A**  
120 Watt 8" Active Expansion Speaker

- ▶ 8" woofer combined with 1" tweeter
- ▶ 120 Watts of power through D class amplifiers

**Smartman 700A**  
700 Watt 12" Active Expansion Speaker

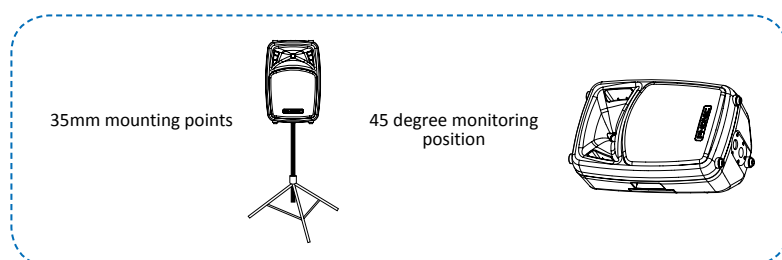
- ▶ 12" woofer combined with 1½" tweeter
- ▶ 700 Watts of power through AB and D class amplifiers

**OPTIONS AND ACCESSORIES**



	Smartman 303A	Smartman 703A	Smartman 708A	Smartman 300A	Smartman 700A
Continuous Output	120W	700W	700W	120W	700W
Peak Output	240W	1400W	1400W	240W	1400W
Woofer	8"	12"	12"	8"	12"
Tweeter	1"	1¾"	1¾"	1"	1¾"
Input	Combo (XLR/¼"), ¼", RCA	Combo (XLR/¼"), ¼", RCA	Combo (XLR/¼"), ¼", RCA	Combo (XLR/¼")	Combo (XLR/¼")
Output	XLR, ¼"	XLR, ¼"	XLR, ¼"	XLR	XLR
Remote Operation	WiFi / RS485	WiFi / RS485	WiFi / RS485	None	None
USB Playback / Recording	Yes	Yes	Yes	None	None
Bluetooth	Yes	Yes	Yes	None	None
Signal Processors	Compressor/Limiter, PEQ, GEQ, Delay	Compressor/Limiter, PEQ, GEQ, Delay	Compressor/Limiter, PEQ, GEQ, Delay	None	None
Digital EFX	Reverb, Delay, Chorus	Reverb, Delay, Chorus	Reverb, Delay, Chorus	None	None
Wireless Microphones	2 (optional)	2 (optional)	2 (optional)	None	None

Phonic strips away the bells and whistles to provide the raw, untarnished audio you need from a loudspeaker. To ensure there's a Jubi loudspeaker to match your needs, the series is available in numerous configurations: passive and active; high and moderate power; with and without USB recording. Jubi Active Loudspeakers models are packed with power through a bi-amplified design that applies Class D and/or AB amplifier technologies. This allows precise amplification for both highs and lows, with a phase-accurate crossover perfectly separating frequencies to their respective amps. The end result is an active loudspeaker with dazzling highs, smooth lows and brilliant in-betweens. Jubi 12 and Jubi 15 passive loudspeakers have a continuous power handling of 700 Watts at 8 ohms, but are able to handle high peaks of up to 1400 Watts in a pinch. Available in both active and passive models, the Jubi series consists of high-end speakers at low-end prices.



### Jubi 12

#### 12" Passive 2-Way Loudspeaker

- ▶ 700 Watt continuous power handling
- ▶ 12" woofers matched with 1" tweeters
- ▶ 8 ohm nominal impedance
- ▶ Speakon and 1/4" TS input and thru connectors
- ▶ 35mm pole mount for extended audience reach



### Jubi 15

#### 15" Passive 2-Way Loudspeaker

- ▶ 700 Watt continuous power handling
- ▶ 15" woofers matched with 1" tweeters
- ▶ 8 ohm nominal impedance
- ▶ Speakon and 1/4" TS input and thru connectors
- ▶ 35mm pole mount for extended audience reach



### Jubi 12A

#### 12" Active 2-Way Loudspeaker

- ▶ 700 Watts of continuous power using Class D and AB technology
- ▶ 12" woofers matched with 1" tweeters
- ▶ 2 channel mixer onboard with XLR and 1/4" inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 35mm mounting points for extending coverage



### Jubi 15A

#### 15" Active 2-Way Loudspeaker

- ▶ 700 Watts of continuous power using Class D and AB technology
- ▶ 15" woofers matched with 1" tweeters
- ▶ 2 channel mixer onboard with XLR and 1/4" inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 35mm mounting points for extending coverage



Record to and play  
from USB flash drives



Wireless audio



### Jubi 12AR

#### 12" Active 2-Way Loudspeaker with USB/Bluetooth

- ▶ 700 Watts of continuous power using Class D and AB technology
- ▶ 12" woofers matched with 1" tweeters
- ▶ 2 channel mixer onboard with XLR and 1/4" inputs all available
- ▶ Record audio directly to USB flash drives
- ▶ Digital MP3 audio playback from USB flash drives
- ▶ Bluetooth wireless streaming from smartphones
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 35mm mounting points for extending coverage

### Jubi 15AR

#### 15" Active 2-Way Loudspeaker with USB/Bluetooth

- ▶ 700 Watts of continuous power using Class D and AB technology
- ▶ 15" woofers matched with 1" tweeters
- ▶ 2 channel mixer onboard with XLR and 1/4" inputs all available
- ▶ Record audio directly to USB flash drives
- ▶ Digital MP3 audio playback from USB flash drives
- ▶ Bluetooth wireless streaming from smartphones
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 35mm mounting points for extending coverage



Play MP3 files from USB  
flash drives



Wireless audio



### Jubi 12A LITE

#### 12" Active 2-Way Loudspeaker with USB Player

- ▶ 320 Watt continuous power amplifier built-in
- ▶ 12" woofers matched with compression drivers
- ▶ 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ MP3 audio playback from USB flash drives
- ▶ Bluetooth connectivity for audio streaming from smartphones
- ▶ 1/4" line output for extended operation

### Jubi 15A LITE

#### 15" Active 2-Way Loudspeaker with USB Player

- ▶ 320 Watt continuous power amplifier built-in
- ▶ 15" woofers matched with compression drivers
- ▶ 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ MP3 audio playback from USB flash drives
- ▶ Bluetooth connectivity for audio streaming from smartphones
- ▶ 1/4" line output for extended operation



### Jubi 12A JNR

#### 12" Active 2-Way Loudspeaker

- ▶ 320 Watt continuous power amplifier built-in
- ▶ 12" woofers matched with compression drivers
- ▶ 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 1/4" line output for extended operation



### Jubi 15A JNR

#### 15" Active 2-Way Loudspeaker

- ▶ 320 Watt continuous power amplifier built-in
- ▶ 15" woofers matched with compression drivers
- ▶ 2 channel mixer onboard with XLR, 1/4" and RCA inputs all available
- ▶ Master 2-band EQ for ultimate control over highs and lows
- ▶ 1/4" line output for extended operation





Record to and play  
from USB flash drives



Wireless audio



## Jubi 12A DSP

### 12" Active Loudspeaker with Integrated DSP

- ▶ Remarkable sound, remarkable power, and remarkable style in a lightweight, durable enclosure
- ▶ Integrated digital signal processor offers main 3-band equalizer, 2-way crossover, full-range/subwoofer operating modes and 5 preset input modes
- ▶ 700 Watts of continuous power using Class AB and D technology
- ▶ 126 dB maximum sound pressure level
- ▶ 12" woofer matched with 1" titanium compression tweeter
- ▶ Flat frequency response between 56 Hz and 20 kHz
- ▶ 2 channel onboard mixer: both channels feature Combo (XLR/TRS) inputs
- ▶ Send speaker's main signal off to additional speakers or amplifiers through a balanced XLR output connector
- ▶ 4th order phase-accurate Linkwitz-Riley crossover
- ▶ 35mm pole mount for extended audience reach
- ▶ Bluetooth audio streaming from smartphones and tablets
- ▶ Tour grade steel grille (1.2 mm)

## Jubi 15A DSP

### 15" Active Loudspeaker with Integrated DSP

- ▶ Remarkable sound, remarkable power, and remarkable style in a lightweight, durable enclosure
- ▶ Integrated digital signal processor offers main 3-band equalizer, 2-way crossover, full-range/subwoofer operating modes and 5 preset input modes
- ▶ 700 Watts of continuous power using Class AB and D technology
- ▶ 126 dB maximum sound pressure level
- ▶ 15" woofer matched with 1" titanium compression tweeter
- ▶ Flat frequency response between 53 Hz and 20 kHz
- ▶ 2 channel onboard mixer: both channels feature Combo (XLR/TRS) inputs
- ▶ Send speaker's main signal off to additional speakers or amplifiers through a balanced XLR output connector
- ▶ 4th order phase-accurate Linkwitz-Riley crossover
- ▶ 35mm pole mount for extended audience reach
- ▶ Bluetooth audio streaming from smartphones and tablets
- ▶ Tour grade steel grille (1.2 mm)

	Jubi 12	Jubi 15	Jubi 12A	Jubi 15A	Jubi 12AR	Jubi 15AR
Nominal Impedance	8 ohms	8 ohms	-	-	-	-
Continuous Power Handling	700W	700W	-	-	-	-
Peak Power Handling	1400W	1400W	-	-	-	-
RMS @ 1% T.H.D.	-	-	350W	350W	350W	350W
Power Output (Continuous)	-	-	700W	700W	700W	700W
Power Output (Peak)	-	-	1400W	1400W	1400W	1400W
Woofer	12"	15"	12"	15"	12"	15"
Tweeter	1"	1"	1"	1"	1"	1"
Max SPL	92 dB	94 dB	124 dB	126 dB	126 dB	126 dB
Inputs	Speakon, 1/4" TS	Speakon, 1/4" TS	XLR, 1/4"	XLR, 1/4"	XLR, 1/4"	XLR, 1/4"
Outputs	Speakon, 1/4" TS	Speakon, 1/4" TS	XLR	XLR	XLR	XLR

	Jubi 12A Lite	Jubi 15A Lite	Jubi 12A JNR	Jubi 15A JNR	Jubi 12A DSP	Jubi 15A DSP
RMS @ 1% T.H.D.	160W	160W	160W	160W	350W	350W
Power Output (Continuous)	320W	320W	320W	320W	700W	700W
Power Output (Peak)	640W	640W	640W	640W	1400W	1400W
Woofer	12"	15"	12"	15"	12"	15"
Tweeter	1"	1"	1"	1"	1"	1"
Max SPL	123 dB	123 dB	123 dB	123 dB	126 dB	126 dB
Inputs	XLR, 1/4", RCA	XLR, 1/4", RCA	XLR, 1/4"	XLR, 1/4"	Combo	Combo
Outputs	1/4"	1/4"	XLR, RCA	XLR, RCA	XLR	XLR

For ultimate control over your entire setup, look into Phonic's range of passive speaker systems. This passive speakers series can be used as a floor monitor or mounted Speaker and is designed to meet the most demanding of applications. For speakers you can trust, check out Phonic's SEM range of loudspeakers.



### SEM710

#### 160W 10" 2 Way Stage Speaker

- ▶ 10" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 80W (RMS), 160W (Program)
- ▶ Frequency response: 65Hz to 20kHz
- ▶ High sound pressure level, 96 dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35mm stand adapter



### SEM712

#### 300W 12" 2 Way Stage Speaker

- ▶ 12" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 150W (RMS), 300W (Program)
- ▶ Frequency response: 60 Hz to 20 KHz
- ▶ High sound pressure level, 95 dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35 mm stand adapter built-in
- ▶ Dual 1/4" phone jacks



### SEM715

#### 400W 15" 2 Way Stage Speaker

- ▶ 15" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 200W (RMS), 400W (Program)
- ▶ Frequency response: 50Hz to 20kHz
- ▶ High SPL, 98dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35 mm stand adapter
- ▶ Dual 1/4" phone jacks



### SEM710 Plus

#### 300W 10" 2 Way Stage/Floor Speaker

- ▶ 10" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 150W (RMS); 300 W (Program)
- ▶ Frequency response: 65 Hz to 20 KHz
- ▶ High sound pressure level, 96 dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35 mm stand adapter built-in
- ▶ Dual 1/4" phone jacks



### SEM712 Plus

#### 340W 12" 2 Way Stage Speaker

- ▶ 12" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 170 W (RMS), 340W (Program)
- ▶ Frequency response: 60 Hz to 20 KHz
- ▶ High sound pressure level, 95 dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35 mm stand adapter built-in
- ▶ Dual 1/4" phone jacks



### SEM715 Plus

#### 420W 15" 2 Way Stage Speaker

- ▶ 15" heavy-duty woofer and piezo tweeter
- ▶ Power handling: 210 W (RMS), 420 W (Program)
- ▶ Frequency response: 50 Hz to 20 KHz
- ▶ High sound pressure level, 98 dB SPL @ 1W / 1M
- ▶ 8 ohm nominal load
- ▶ Built-in handle
- ▶ 35 mm stand adapter built-in
- ▶ Dual 1/4" phone jacks

	SEM 710	SEM 712	SEM 715	SEM 710 Plus	SEM 712 Plus	SEM 715 Plus
Power Handling (RMS @ 1% THD)	80W	150W	200W	150W	170W	210W
Power Handling (Recommended Amp Power )	160W	300W	400W	300W	340W	420W
Woofer Size	10"	12"	15"	10"	12"	15"
Frequency Response	65 - 20 kHz	60 - 20 kHz	50 - 20 kHz	65 - 20 kHz	60 - 20 kHz	50 - 20 kHz
Sensitivity @1 W / 1 M (+/- dB)	96 dB	95 dB	98 dB	96 dB	95 dB	98 dB
Dispersion Angle (Degrees)	90° x 40°	90° x 40°	90° x 40°	90° x 40°	90° x 40°	90° x 40°
Stand Socket	35 mm	35 mm	35 mm	35 mm	35 mm	35 mm
Connector	2 x 1/4" phone jacks	2 x 1/4" phone jacks	2 x 1/4" phone jacks	2 x 1/4" phone jacks	2 x 1/4" phone jacks	2 x 1/4" phone jacks

While other brands may trade quality for price, Phonic proudly puts the same care and precision craftsmanship into all of our products. The Phonic aSK series was specially developed to offer premium performance at a phenomenal value. Each aSK is equipped with Phonic's own horn that lowers distortion and improves dispersion. Specially configured internal bracing minimizes body vibration while simultaneously improving structural strength. The Phonic aSK series will tear down the roof and leave you enough money to put it back up.



### aSK 10

10" Passive 2-way Stage Speaker & Floor Monitor

- ▶ 10" woofer \ 1" pure titanium tweeter
- ▶ 100W RMS (IEC 268-5) \ 200W Program \ 400W Peak
- ▶ Durable carpeted enclosure
- ▶ 8 ohm nominal impedance

### aSK 12

12" Passive 2-way Stage Speaker & Floor Monitor

- ▶ 12" woofer \ 1.4" pure titanium tweeter
- ▶ 200W RMS (IEC 268-5) \ 400W Program \ 800W Peak
- ▶ Durable carpeted enclosure
- ▶ 90° x 70° audio dispersion

### aSK 15

15" Passive 2-way Stage Speaker & Floor Monitor

- ▶ 15" woofer \ 1.4" pure titanium tweeter
- ▶ 200W RMS (IEC 268-5) \ 400W Program \ 800W Peak
- ▶ Durable carpeted enclosure
- ▶ 90°x70° audio dispersion

#### Common Features:

- ▶ Durable carpet enclosure
- ▶ Heavy duty metal handle
- ▶ Robust MDF construct with internal bracing



### aSK 18SB

18" Passive Subwoofer

- ▶ 18" woofer
- ▶ 300W RMS (IEC 268-5) \ 600W Program \ 1200W Peak
- ▶ Durable carpeted enclosure



### aSK 215

Dual 15" Passive 2-way Stage Speaker

- ▶ Dual 15" woofer \ 1.4" pure titanium tweeter
- ▶ 400W RMS (IEC 268-5) \ 800W Program \ 1600W Peak
- ▶ Durable carpeted enclosure
- ▶ 90°x70° audio dispersion

	aSK 10	aSK 12	aSK 15	aSK 215	aSK 18SB
Frequency Response (+/- 3dB)	65Hz-20kHz	50Hz-20kHz	45Hz-20kHz	40Hz-20kHz	40Hz-250Hz
Power Handling (RMS @ 1% THD)	100W	200W	200W	400W	300W
Power Handling (Recommended Amp Power )	200W	400W	400W	800W	600W
Power Handling (Peak)	400W	800W	800W	1600W	1200W
Sensitivity 1W@1M	96dB	97dB	97dB	99dB	99dB
System Impedance	8ohm	8ohm	8ohm	4ohm	4ohm
Woofer	10"	12"	15"	Dual 15"	18"
Tweeter	1" Treated Mylar	1.35" Titanium	1.35" Titanium	1.35" Titanium	-



With its signature vertical curvatures, thick foamed grille, and ergonomic metal handles, the studio-tuned iSK establishes itself as the new segment benchmark. The iSK's new 1.8" pure titanium compression tweeters gracefully extend beyond 22kHz. Paired with Phonic's own woofer, constructed in-house, the iSK achieves best-in-class dispersion of 90° x 70°. The iSK series is also equipped with a thick 1.3mm steel grille with acoustically-transparent foam. Engineered for an unsurpassed audio response, sensational power handling, and extensive mounting possibilities, the iSK establishes a new benchmark.



### iSK 8 Deluxe

#### Deluxe 8" Passive 2-Way Stage Speaker & Floor Monitor

- ▶ 8" woofer with 1.5" voice coil \ 1" pure titanium tweeter
- ▶ 175W RMS \ 350W Program \ 700W Peak (IEC 268-5)
- ▶ Frequency response 70Hz-20kHz (+-3dB)
- ▶ Tough triple-layer scratchproof paint
- ▶ 8 ohm nominal impedance
- ▶ 95dB sensitivity (1W@1M)
- ▶ 70°x70° conical horn
- ▶ 2 durable integrated handles
- ▶ 12 M8 suspension points
- ▶ Durable plywood and MDF construction with internal bracing system

### iSK 8A Deluxe

#### Deluxe 8" Active 2-Way Stage Speaker & Floor Monitor

- ▶ 350W Continuous \ 700W Peak
- ▶ Frequency response 66Hz-20kHz (+-3dB)
- ▶ 124dB Maximum SPL
- ▶ Tough triple-layer scratchproof paint

### iSK 10 Deluxe

#### Deluxe 10" Passive 2-Way Stage Speaker & Floor Monitor

- ▶ 10" woofer with 2" voice coil \ 1" pure titanium tweeter
- ▶ 200W RMS \ 400W Program \ 800W Peak (IEC 268-5)
- ▶ Frequency response 65Hz-20kHz (+-3dB)
- ▶ Tough triple-layer scratchproof paint
- ▶ 8 ohm nominal impedance
- ▶ 97dB sensitivity (1W@1M)
- ▶ 70°x70° conical horn
- ▶ 2 durable integrated handles
- ▶ 12 M8 suspension points
- ▶ Durable plywood and MDF construction with internal bracing system

### iSK 10A Deluxe

#### Deluxe 10" Active 2-Way Stage Speaker & Floor Monitor

- ▶ 400W Continuous \ 800W Peak
- ▶ Frequency response 61Hz-20kHz (+-3dB)
- ▶ 126dB Maximum SPL
- ▶ Tough triple-layer scratchproof paint

### iSK 12

#### 12" Passive 2-Way Stage Speaker & Floor Monitor

- ▶ 12" woofer with 2.6" voice coil \ 1.8" pure titanium tweeter
- ▶ 350W RMS \ 700W Program \ 1400W Peak (IEC 268-5)
- ▶ Frequency response 52Hz - 22kHz (+-3dB)
- ▶ Durable carpeted enclosure
- ▶ 8 ohm nominal impedance
- ▶ 98dB sensitivity (1W@1M)
- ▶ 90°x70° audio dispersion
- ▶ Heavy duty metal handles
- ▶ 15mm MDF construction with internal bracing system

### iSK 12 Deluxe

#### Deluxe 12" Passive 2-Way Stage Speaker & Floor Monitor

Same as iSK12 with:

- ▶ Tough triple-layer scratchproof paint
- ▶ 12 M8 suspension points
- ▶ 2 durable integrated handles

### iSK 12A Deluxe

#### Deluxe 12" Active 2-Way Stage Speaker & Floor Monitor

- ▶ 700W Continuous \ 1400W Peak
- ▶ Frequency response 51Hz - 22kHz (+-3dB)
- ▶ 129dB Maximum SPL
- ▶ Tough triple-layer scratchproof paint

	iSK 8 Deluxe	iSK 8A Deluxe	iSK 10 Deluxe	iSK 10A Deluxe	iSK 12 Deluxe	iSK 12A Deluxe
Frequency Response (+/- 3dB)	70Hz-20kHz	66Hz-20kHz	65Hz-20kHz	61Hz-20kHz	52Hz-22kHz	51Hz-22kHz
Power Handling (RMS @ 1% THD)	175W	-	200W	-	350W	-
Power Handling (Continuous)	350W	-	400W	-	700W	-
Amp Power Rating (Peak)	-	700W	-	800W	-	1400W
Sensitivity 1W@1M	95 dB	96 dB	97 dB	98 dB	98 dB	99 dB
Maximum SPL	-	124 dB	-	126 dB	-	129 dB
System Impedance	8 ohm	-	8 ohm	-	8 ohm	-
Woofer	8"	8"	10"	10"	12"	12"
Tweeter	1" Titanium	1" Titanium	1" Titanium	1" Titanium	1.8" Titanium	1.8" Titanium



### iSK 15

#### 15" Passive 2-Way Stage Speaker & Floor Monitor

- ▶ 15" woofer with 2.6" voice coil \ 1.8" pure titanium tweeter
- ▶ 350W RMS \ 700W Program \ 1400W Peak (IEC 268-5)
- ▶ Frequency response 48Hz-22kHz (+-3dB)
- ▶ Durable carpeted enclosure
- ▶ 8 ohm nominal impedance
- ▶ 98dB sensitivity (1W@1M)
- ▶ 90°x70° audio dispersion
- ▶ Heavy duty metal handles
- ▶ 15mm MDF construction with internal bracing system

### iSK 215

#### Dual 15" Passive 2-Way Stage Speaker

- ▶ Dual 15" woofer with 2.6" voice coil \1.8" pure titanium tweeter
- ▶ 700W RMS \1400W Program \2800W Peak (IEC 268-5)
- ▶ Frequency response 38Hz-22kHz (+-3dB)
- ▶ Durable carpeted enclosure
- ▶ 4 ohm nominal impedance
- ▶ 100dB sensitivity (1W@1M)
- ▶ 90°x70° audio dispersion
- ▶ Heavy duty metal handles
- ▶ 18mm MDF construction with internal bracing system

### iSK 18SB

#### 18" Passive Subwoofer

- ▶ 18" woofer with 4" voice coil
- ▶ 500W RMS \ 1000W Program \ 2000W Peak (IEC 268-5)
- ▶ Frequency response 35Hz-250Hz (+-3dB)
- ▶ 4 ohm nominal impedance
- ▶ 99dB sensitivity (1W@1M)
- ▶ Durable carpeted enclosure
- ▶ Heavy duty metal handles
- ▶ 18mm MDF construction with internal bracing system

### iSK 15 Deluxe

#### Deluxe 15" Passive 2-Way Stage Speaker & Floor Monitor

Same as iSK 15 with:

- ▶ Tough triple-layer scratchproof paint
- ▶ 12 M8 suspension points
- ▶ 2 durable integrated handles

### iSK 215 Deluxe

#### Deluxe Dual 15" Passive 2-Way Stage Speaker

Same as iSK 215 with:

- ▶ Tough triple-layer scratchproof paint
- ▶ 2 durable integrated handles

### iSK 18SB Deluxe

#### Deluxe 18" Passive Subwoofer

Same as iSK 18SB with:

- ▶ Tough triple-layer scratchproof paint
- ▶ 2 durable integrated handles

### iSK 15A Deluxe

#### Deluxe 15" Active 2-Way Stage Speaker & Floor Monitor

- ▶ 700W Continuous \ 1400W Peak
- ▶ Frequency response from 46Hz - 22kHz (+-3dB)
- ▶ 131dB Maximum SPL
- ▶ Tough triple-layer scratchproof paint

### iSK 215A Deluxe

#### Deluxe Dual 15" Active 2-Way Stage Speaker

- ▶ 1400W Continuous \ 2800W Peak
- ▶ Frequency response from 35Hz-22kHz (+-3dB)
- ▶ 132dB Maximum SPL
- ▶ Tough triple-layer scratchproof paint

### iSK 18SBA Deluxe

#### Deluxe 18" Active Subwoofer

- ▶ 1120W Continuous \ 2240W Peak
- ▶ Frequency response from 35Hz - 250Hz (+-3dB)
- ▶ 128dB maximum SPL
- ▶ Tough triple-layer scratchproof paint

	iSK 15 (Deluxe)	iSK 15A Deluxe	iSK 215 (Deluxe)	iSK 215A Deluxe	iSK 18SB (Deluxe)	iSK 18SBA Deluxe
Frequency Response (+/- 3dB)	48Hz-22kHz	46Hz-22kHz	38Hz-22kHz	35Hz-22kHz	35Hz-250Hz	35Hz-250Hz
Power Handling (RMS @ 1% THD)	350W	-	700W	-	500W	-
Power Handling (Continuous)	700W	-	1400W	-	1000W	-
Power Output (Peak)	-	1400W	-	2800W	-	2000W
Sensitivity 1W@1M	98dB	99dB	100dB	101dB	99dB	100 dB
Maximum SPL	-	131dB	-	132dB	-	128dB
System Impedance	8ohm	-	4ohm	-	4ohm	-
Woofer	15"	15"	Dual 15"	Dual 15"	18"	18"
Tweeter	1.8" Titanium	1.8" Titanium	1.8" Titanium	1.8" Titanium	-	-

For the time-conscious installer, we offer the surface-mount VT series of passive contractor speakers. These lightweight speakers provide phenomenal sound in challenging acoustical environments. The 3" and 5¼" speakers come complete with perfectly matched tweeters. Each model comes complete with a yoke mount bracket for immediate installation (a ball mount is also available, sold separately). High impact polystyrene enclosures are perfect for both indoor and outdoor setup. All VT series speakers feature onboard transformers with a number of user-selectable taps for use in 8Ω, 70V or 100V system setups. Phonic offers the VT commercial installation speakers in both black and white finishes.

**Common Features:**

- ▶ Built-in transformer with taps available at 3.8W, 7.5W, 15W and 30W (70V, 100V) / 8Ω selected by switch
- ▶ Ultra-wide frequency response and audio dispersion
- ▶ A swiveling yoke mount bracket comes standard
- ▶ Binding post input connectors
- ▶ Ideal for both indoor and outdoor use
- ▶ Built of high impact polystyrene
- ▶ Protective powder coated aluminum grille
- ▶ Available in classic black or modern white finishes



VT30W



VT30B



VT50W



VT50B

**VT30**

**3" Wall Mount Speaker with 30 Watt Transformer**

- ▶ 3" polystyrene cone woofer with ¾" titanium dome tweeter
- ▶ 30W continuous power handling, recommended amplifier power: 60W (8 ohms)
- ▶ 85dB sensitivity at 1 Watt / 1 meter

**VT50**

**5¼" Wall Mount Speaker with 30 Watt Transformer**

- ▶ 5¼" polystyrene cone woofer with ¾" titanium dome tweeter
- ▶ 60W continuous power handling, recommended amplifier power: 120W (8 ohms)
- ▶ 86dB sensitivity at 1 Watt / 1 meter

	VT30	VT50
IEC RMS Power Handling	15W	30W
Transformer Taps	70V: 30, 15, 7.5 3.8W 100V: 30, 15, 7.5W	70V: 30, 15, 7.5 3.8W 100V: 30, 15, 7.5W
Woofer	3"	5¼"
Tweeter	¾"	¾"
Sensitivity (1W/1m)	85 dB	86 dB
Mounting	Yoke Mount, Ball Mount	Yoke Mount (Ball Mount Optional)





SE 206B



SE 206W



SE 207B



SE 207W

### SE 206B / W

#### 5 1/4" 2-Way Molded Speaker

- ▶ Power Capacity: 30W RMS \ 60W Program \ 120W Peak
- ▶ Sensitivity: 88 dB SPL @ 1W / 1M
- ▶ Frequency Response: 80 Hz to 16 kHz
- ▶ 1" tweeter and 5 1/4" woofer
- ▶ U-mount bracket included

### SE 207B / W

#### 6 1/4" 2-Way Molded Speaker

- ▶ Power Capacity: 50W RMS \ 100W Program \ 200W Peak
- ▶ Sensitivity: 90 dB SPL @ 1W / 1M
- ▶ Frequency Response: 70 Hz to 20 kHz
- ▶ 1" tweeter and 6 1/2" woofer
- ▶ U-mount bracket included



SEp 206B



SEp 206W



SEp 207B



SEp 207W

### SEp 206B / W

#### Powered 5 1/4" Molded Speaker

- ▶ Built-in 20 Watt power amplifier
- ▶ One XLR (female) input jack
- ▶ Frequency Response: 80 Hz to 16 kHz
- ▶ 1" tweeter and 5 1/4" woofer
- ▶ U-mount bracket included

### SEp 207B / W

#### Powered 6 1/4" Molded Speaker

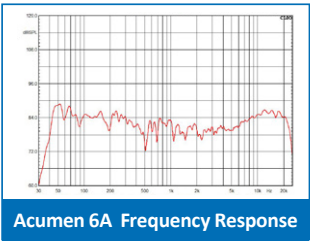
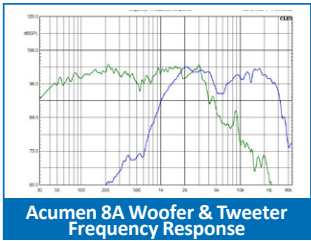
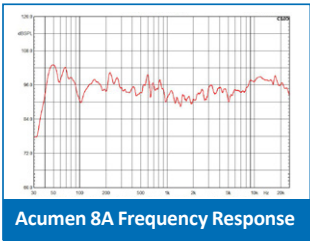
- ▶ Built-in 20 Watt power amplifier
- ▶ One XLR (female) input jack
- ▶ Frequency Response: 70 Hz to 20 kHz
- ▶ 1" tweeter and 6 1/2" woofer
- ▶ U-mount bracket included

	SE 206	SE 207	SEp 206	SEp 207
Format	2-way, Passive	2-way, Passive	2-way, Active	2-way, Active
Power Handling (RMS)	30 Watts	50 Watts	-	-
Built-in Amplifier	-	-	20 Watts	20 Watts
Frequency Response: +/-3dB range	80Hz to 16kHz	70Hz to 20kHz	80Hz to 16kHz	70Hz to 20kHz
Sensitivity: 1 watt / 1m, 1KHz	88dB SPL	90dB SPL	-	-
Max SPL	-	-	101dB SPL	101dB SPL
HF Driver	1" soft dome	1" soft dome	1" soft dome	1" soft dome
LF Driver	5 1/4" polycarbon	6 1/4" polycarbon	5 1/4" polycarbon	6 1/4" polycarbon
Impedance	8 ohms	8 ohms	-	-
Built-in Crossover	Yes	Yes	Yes	Yes
Connector	Push Terminal	Push Terminal	XLR-F	XLR-F

The Acumen’s custom-designed paper cone woofers, silk tweeters, and meticulous material selection create its lush yet accurate signature sound. The bi-amplified Acumen has the best-in class wattage output with a combined 82 Watts for the Acumen 6A and 98 Watts for the Acumen 8A. Phonic’s unique steeple-shaped enclosure minimizes acoustic inaccuracies found in standard box-shaped speakers and maximizes bass extension, acoustic sweet spot, and transparency while reducing common abnormalities such as resonance peaks, diffraction and port turbulence. So whether you are looking for an accurate monitoring system for recording, a pair of speakers for your DJ booth, or even a set of premium speakers for music playback, the finely tuned Acumen series will be a delight to your eyes and ears.

**ACUMEN 6A**  
164 Watt 6" Studio Monitor

**ACUMEN 8A**  
196 Watt 8" Studio Monitor



- ▶ 1" silk dome tweeter with neodymium magnet provides highly transparent and airy highs
- ▶ Long-throw custom-designed paper cone woofer generates stunningly deep bass response
- ▶ Bi-amplified design: 82 Watts RMS / 164 Watts continuous (Acumen 6A), 98 Watts RMS / 196 Watts continuous (Acumen 8A)
- ▶ Reliable and accurate sound signature; true to source material
- ▶ Adjustable high frequency, compensation
- ▶ Exceptional HF dispersion provides excellent detail and sound stage
- ▶ Magnetic shielding allows placement near other electronic devices
- ▶ Flexible inputs: XLR, TRS (1/4"), RCA
- ▶ 4th Order active Linkwitz-Riley crossover design
- ▶ Electronic speaker protection prevents transducer damage
- ▶ Available in Piano Black, Phonic Red and Crystal White
- ▶ Max. SPL of 107dB for Acumen 6A and 110dB for Acumen 8A

	Acumen 6A	Acumen 8A
Amplifier	Bi-Amplified	Bi-Amplified
High Frequency	35W	42W
Low Frequency	47W	56W
Woofer	6"	8"
Tweeter	1"	1"
Frequency Response (+-3dB)	49 Hz - 20 kHz	44 Hz - 20 kHz
Maximum SPL	107 dB	110 dB
Inputs	XLR, 1/4"	XLR, 1/4"



For the ultimate self-contained, battery-powered sound systems, look no further than the Phonic Safari 1000, Safari 2000 and Safari 3000. Each portable unit is powered by Class D amplifiers that provide robust power for the unit itself – and in some cases a matching companion speaker. The Safari's efficient battery management system enables operation for up to 8 hours on a full charge. A thick molded polymer body, extensive internal bracing, and rounded corners help the Safari withstand the bumps and bruises of the road. So whether you are a street vendor, musician, teacher, or business professional, the rugged and powerful Safari is the ultimate audio solution.



### Safari 1000M

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

- ▶ 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 10 channels
- ▶ One-touch Scan/ACT sync button for easy channel set-up
- ▶ USB music player/recorder with LCD screen
- ▶ Record uncompressed WAV format
- ▶ Bluetooth audio streaming possible from compatible devices
- ▶ 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

#### Safari 1000M



Wireless handheld Microphone



Wireless lavalier Transmitter (sold separately)

#### Safari 1000 Lite



Handheld Microphone



Spiral Cable



Record to and play from USB flash drives





Wireless audio



Highly Portable



Retractable Handle

## 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
- ▶ New wireless microphone system with auto frequency scan (optional)
- ▶ All-in-one shock-proof CD player with USB recorder/player (optional)
- ▶ USB recorder and playback module (optional)



SAFARI 3000-SYS1



SAFARI 3000P

## Safari 3000P

320 Watt 10" Passive Companion Speaker

- ▶ Perfect companion to the Safari 3000 portable audio systems

## SHARED FEATURES

- ▶ 10" long-throw woofer and 1" pure titanium compression tweeter
- ▶ Retractable metal handle and wheels for improved portability
- ▶ Thick, molded polymer enclosure and rounded corners help withstand the bumps and bruises of the road
- ▶ 553 x 350 x 333 mm (21.8" x 13.8" x 13.1") / 16 kg (35 lbs)

## ALSO AVAILABLE



Wireless Handheld System (WM-1S)



Wireless Lavalier System (WL-1S)



Wireless Headset System (WH-1S)



Wireless Receiver (WR-1)



CD/USB MP3 Player & Recorder (SAFARI CD/USB)



USB MP3/WMA Player & Recorder (USBR-1)



USB MP3/WMA/WAV/FLAC Player & Recorder (USBR-E)



SAFARI 3000DC Dust Cover

## Complete Systems

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

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

**Safari 3000 SYSA** is Safari 3000 + WM-1S + USBR-E (with extra wireless slot)

BT

Wireless audio



SAFARI 2000-SYS2

## Safari 2000

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

- ▶ 2 channel onboard mixer: combo jack (XLR & ¼"), ¼" TS and RCA inputs
- ▶ Dual class D amplifiers offer 60 Watts RMS / 120 Watts Peak
- ▶ Built-in rechargeable battery
- ▶ Bluetooth enabled! Stream music to the Safari from almost any bluetooth-enabled device
- ▶ New wireless microphone system with auto frequency scan (optional)
- ▶ All-in-one shock-proof CD player with USB recorder/player (optional)
- ▶ USB recorder and playback module (optional)



SAFARI 2000P

## Safari 2000P

200W 8" Passive Companion Speaker

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

## 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 (21 lbs)

## ALSO AVAILABLE



Wireless Handheld System (WM-1S)



Wireless Lavalier System (WL-1S)



Wireless Headset System (WH-1S)



Wireless Receiver (WR-1)



CD/USB MP3 Player & Recorder (SAFARI CD/USB)



USB MP3/WMA Player & Recorder (USBR-1)



USB MP3/WMA/WAV/FLAC Player & Recorder (USBR-E)



SAFARI 2000DC Dust Cover



HC-SS Aluminum Frame Flight Case + Speaker Stand

## Complete Systems

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

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

**Safari 2000 SYSA** is Safari 2000 + WM-1S + USBR-E (with extra wireless slot)

**Safari Go**

is Safari 2000 SYSA + Additional Wired Microphone + Dust Cover + HC-SS Hard Flight Case + Speaker Stand



## GEQ 1502F

### 15-band Stereo Graphic Equalizer

- ▶ Professional-quality 15-band stereo graphic equalizer for live and studio application
- ▶ A low cut filter to remove unwanted low frequency sounds
- ▶ Extremely accurate 4-segment LED level meter and input gain control
- ▶ Balanced XLR and 1/4" TRS inputs and outputs
- ▶ Mono subwoofer output with adjustable crossover frequency
- ▶ Shielded toroidal power transformer for ultra low-noise
- ▶ Sturdy all-metal chassis



## SIGNAL PROCESSORS



## 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



## A2800

### 2-In, 8-Out Distribution Mixer

- ▶ Extraordinarily low-noise 2 in, 8 out line mixer and splitter
- ▶ Pan / balance control on each output channel for flexible routing
- ▶ Flexible use as an output level matching preamp or DI box
- ▶ Link in and out connectors for easy expansion of system
- ▶ Main link button for simple linking of input channels
- ▶ 5-segment output level meters for all channels
- ▶ 3-segment input level meters on each the left and right inputs
- ▶ Individual left and right volume controls on input channels
- ▶ Rugged construction with premium components for long-lasting life



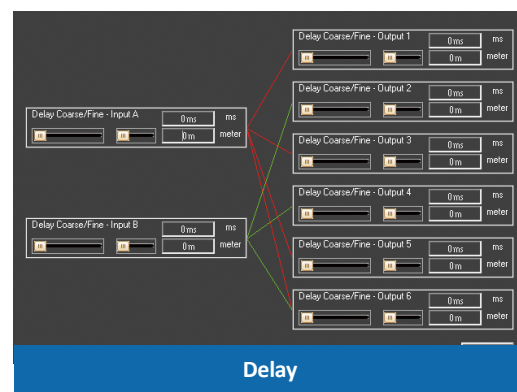
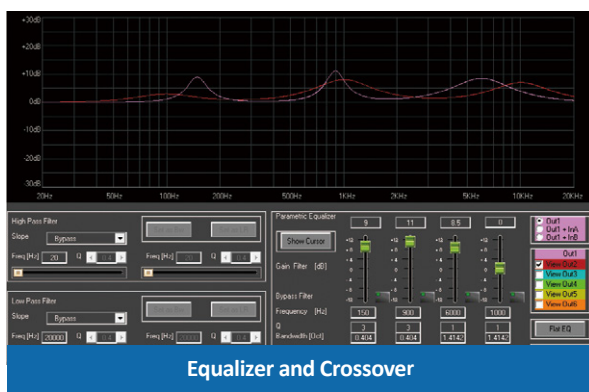
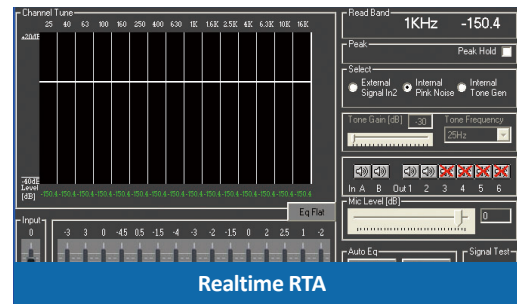
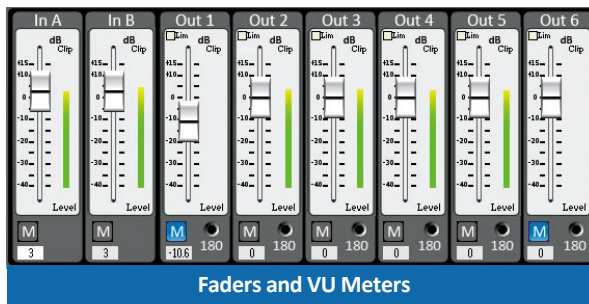
## i2600

### 2 In, 6 Out Speaker Management System with PC Connectivity



At last, an all-inclusive speaker management system ideal for both the touring pro and the installer, complete with 2 balanced inputs including 1 channel precise RTA, 6 balanced outputs, and AES/EBU digital connectivity. The Phonic i2600 puts all aspects of speaker equalization and crossover management into one unit. The i2600 software utilizes leading edge functions for precise adjustment of 4-band EQs, 15-band graphic EQs, input and output delay alignments, gates, expanders, limiters, crossovers, compressors, phase reversal, feedback elimination, and the sub-harmonic generator. To best suit the user, all programs and parameters can be operated by either the PC software or the onboard controls. Completely change the idea of what 1 single rack unit can do for you.

- ▶ Dedicated software for precise function and parameter adjustment
- ▶ Setup Wizard streamlines setup through real-time analyzer readings
- ▶ 2 balanced XLR input connectors and 6 balanced XLR output connectors
- ▶ AES/EBU digital connectivity for connecting to digital devices with flawless audio
- ▶ Make adjustments via computer or take control via front-panel controls
- ▶ Adjustable low and high pass filters for 6-way mono, 3 way stereo crossover application
- ▶ 4-band parametric EQ with adjustable frequency, Q and level ( $\pm 12\text{dB}$ )
- ▶ EQ on inputs 1 and 2 adjustable between 15-band GEQ and 7-band parametric EQ
- ▶ Delay on all input and output channels with fine adjustment control
- ▶ A.G.C. (Automatic Gain Control) on inputs limits maximum audio and reduces distortion
- ▶ Sub-harmonic generator on inputs for improving low-end response
- ▶ Feedback eliminator on inputs removes unwanted feedback
- ▶ Noise gate on inputs for removing rumble and other unwanted noise
- ▶ Save and recall settings to computer; store up to 50 presets
- ▶ Security key locking system for protecting your setup from unauthorized operation
- ▶ Precise RTA for real-time adjustment



## 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



#### 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.

### Windows Software Now Available!



#### 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.

## 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



#### RTA

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



#### RT60

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



#### 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.



#### 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.



## MICROPHONES

## HEAR THE DIFFERENCE

Phonic offers a number of profession quality dynamic cardioid vocal microphones, combining Phonic's high standards with incredible value. Phonic DM series microphones are engineered for excellent vocal and instrument capture with slightly brightened mids and extended bass. The DM series dynamic microphones are constructed with a cast zinc alloy body and steel mesh.

### DM.680

Engineered for Vocal and Instrument Capture



- ▶ Housing: Solid Cast Zinc Alloy
- ▶ Frequency Response: 50Hz - 17kHz
- ▶ Pickup Pattern: Cardioid
- ▶ Output Impedance: 500 ohms
- ▶ Sensitivity: -51.4dBV (0dBV = 1V/Pa)
- ▶ Off Axis Rejection: >20dB at 125°
- ▶ Maximum SPL: >135dB
- ▶ Connector: 3 pin XLR
- ▶ Unit Weight: 330 grams

### DM.690

Engineered for Vocal and Instrument Capture



- ▶ Housing: Solid Cast Zinc Alloy
- ▶ Frequency Response: 45Hz - 18kHz
- ▶ Pickup Pattern: Cardioid
- ▶ Output Impedance: 500 ohms
- ▶ Sensitivity: -54.7dBV (0dBV = 1V/Pa)
- ▶ Off Axis Rejection: >20dB at 125°
- ▶ Maximum SPL: >135dB
- ▶ Connector: Gold three-pin XLR
- ▶ Unit Weight: 300 grams

### DM.700

Engineered for Vocal and Instrument Capture



- ▶ Housing: Solid Cast Zinc Alloy
- ▶ Frequency Response: 40Hz - 18kHz
- ▶ Pickup Pattern: Cardioid
- ▶ Output Impedance: 500 ohms
- ▶ Sensitivity: -53.2dBV (0dBV = 1V/Pa)
- ▶ Off Axis Rejection: >20dB at 125°
- ▶ Maximum SPL: >135dB
- ▶ Connector: Gold three-pin XLR
- ▶ Unit Weight: 330 grams



### DM.680-3 DM.690-3 DM.700-3

3 MIC PACK WITH ALUMINUM  
OR PLASTIC CASE



PHONIC CORPORATION  
WWW.PHONIC.COM

International Contact  
sales@phonic.com

