PHONIC

S16 DIGITAL MIXER

PHONIC

High Performance. Low Profile .

We do not spend money on big budget ad campaigns, over the top packaging or pricey marketing consultants. We put all that money straight into the products we make. Phonic continuously enlists the latest technology, utilizes efficient product designs and delivers dependable build quality for the long term reliability and relevance of our products. We believe consumers are smart. They don't care about flashy advertising, paid endorsements and elaborate PR campaigns. They care about what's under the hood—the component, the software, the engineering.

30 Years and Still Independent

Today, while most companies seek to cut costs by outsourcing, we manufacture our products in 100% owned and ISO-certified factories to ensure the careful management of everything from components to quality control. We are smaller than our competitors who are conglomerates backed by investment groups, so we try harder. We care more about our products and our customers. After 30 years, Phonic is still led by the same core group of engineers and owner. Being independent and family-owned makes us nimble and responsive. You can find our CEO checking the production lines and senior managers answering end-user product questions alongside our junior technicians.

Getting involved

Phonic's global sales force and distribution partners are strategically located with offices in almost every country. Come and discover Phonic. Go to www.phonic.com/where/ for an up to date distributors listing. If you want a product that you do not see in this catalog or cannot find a local dealer, please contact us at marketing@phonic.com

Phonic means Pro Audio.
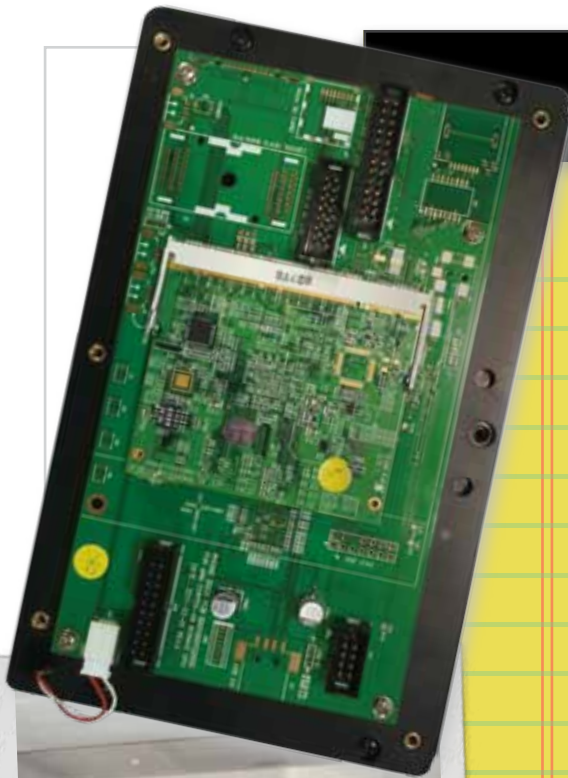
This catalog contains only a partial listing of Phonic products. For more information, please visit our website at www.phonic.com or contact your local Phonic distributor. The information within this catalog is subject to change.

PAA3

Phonic's PAA series has become the tool of choice for every serious audio engineer. A highly accurate handheld audio analyzer, the PAA3 offers an array of useful sound analysis tools. Features include a 31-band real time spectrum analyzer, reverb time analyzer, sound pressure and line level meter, internal signal generator, EQ setting calculations, microphone calibration and speaker phase checking abilities. All functions and menus are accessed through central jog dials, leaving your hands free to adjust audio settings. Easy upload and download of data, as well as real-time PC operation, can be achieved through the built-in USB interface. The large LCD display has a backlight to increase visibility in dark environments. Housing four AAs for a battery life of 7 hours, the PAA3 is the tool you want in your back pocket for all the big gigs.

"I was impressed how intuitive it was to operate the PAA3. In five minutes, without reading the manual, I was making RTA and SPL measurements. I liked the unit's clear labeling and large, easy-to-read text in the LCD display, which can be backlit for use in dim venues. The built-in mic swivels into position and locks at a 45-degree angle relative to the sides of the analyzer – preventing sound reflections off the analyzer into the mic."

– Bruce Bartlett, Pro Audio Review

PAA3

Handheld Audio Analyzer with USB 2.0 Interface

- SPL meter calibration through sound level calibrator
- 4 standard response time
- 3 power modes: (1) Power Save (2) On (3) Off
- Audio test signals and desktop control software on CD-ROM
- Sound Pressure Level Meter from 30 dB~130 dB
- Line signal measurement display in dBu, dBV, or Volts (AC)
- 3 level range selection for dB SPL and line signal
- Maximum level display
- Peak hold display
- Adapter operation available
- 7 hours continuous operation with 4 AA batteries
- 31-band Real Time Spectrum Analyzer
- RT60 measurement
- Built-in calibrated measurement microphone
- Phase checker
- 31-band EQ setting value display (Boost/Cut)
- Memory and average calculation function
- USB 2.0 and XLR input and output sockets
- Noise generator with pink noise, 1 kHz and polarity test signal, balanced output
- 145 x 83 x 40 mm (5.7" x 3.26" x 1.55") \ 354 g (0.78 lbs)
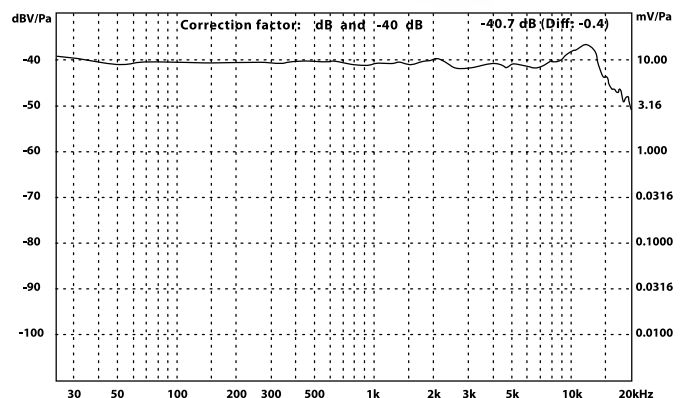
Microphone Frequency Response

PAA6

The dual-channel, digital PAA6 tester offers nine critical audio and signal analyzer functions all accessed through a color touch-screen with computer connectivity and onboard memory. The PAA6 incorporates industrial-grade real time spectrum analyzer, RT60, tone generator, LEQ, EQ setting and phase checking, FFT, THD+N, polarity and scope functions, as well as two built-in mics that can take highly accurate measurements from multiple positions. A USB 2.0 connector and SD card slot have been included to transfer information to and from your computer. This feature-rich, professional audio tester is ideal for discerning professional audio engineers, live/industrial sound, regulatory purposes and product development.

"Installers and live sound engineers will find it invaluable, but it also makes an important addition to the toolkit of any recording engineer or studio."

Mix Magazine

"The PAA6 is packed with useful functions that any pro looking for hard data will enjoy."

– Steve La Cerra,
Sound and Video Contractor

PAA6
2-Channel Audio Analyzer with Color Touch LCD

▸ Powerful dual channel palm-size audio analyzer
▸ 480 x 272 color LCD touch screen
▸ Two built-in measurement condenser mics
▸ Tone generator includes pink noise, white noise, sine wave, sweep, polarity, triangle and square
▸ Elegant graphical user interface
▸ Long-lasting rechargeable lithium-ion battery system
▸ Useful functions include RTA, LEQ, RT-60, FFT, THD+N, Polarity, Phase, Scope and Meter (dB SPL, dBu, dBV, Volt)
▸ USB 2.0 port and SD card slot included for storing and retrieving data
▸ 30 to 130 dB SPL meter
▸ 175 x 40 x 106 mm (6.89" x 1.57" x 4.17") \ 465 g (1 lbs)

"[A]ffordable for serious studios, PA setups, bands looking to ring out the PA properly before a gig, and people who review gear and want to be able to say more about the specs than "It sounds pretty quiet."

– Craig Anderton, Harmony Central

RTA

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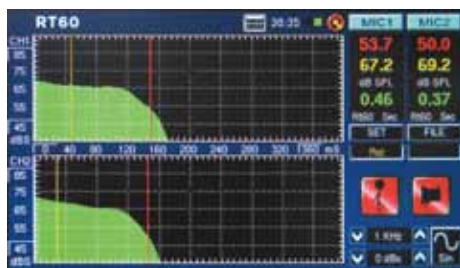
Phase

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

FFT

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

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.
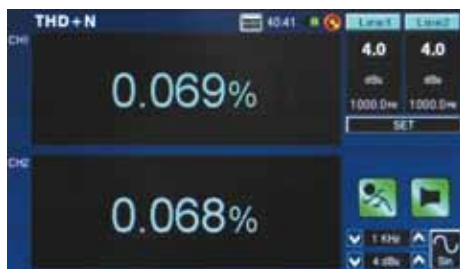
RT60

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.

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.

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.

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.
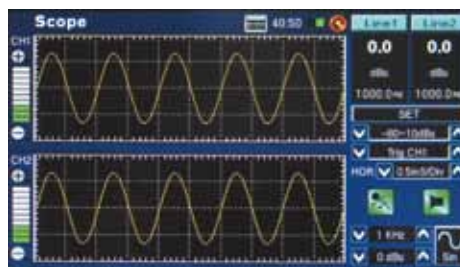
Meter

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.

EQ Setting

View suggested equalizer settings at any of the resolutions available in the RTA function (1, 2/3, 1/3 and 1/6 octave).

Addition / Subtraction

View the difference or combined results of any room in real-time. In addition to the EQ setting function, the subtraction function can help set an EQ to a standardized curve.

Signal Generator

Sweep, polarity, pink noise and white noise are all available through the signal generator, as well as sine, triangle and square waves. All signals can have user definable levels, frequencies and gate times.

TEST EQUIPMENT / PAA6

S16 DIGITAL MIXER

The Phonic S16 Digital Mixing Console provides a color touch screen, 16 Mic/Lines, 8 AUX, 8 Group, 40-bit floating point processor, motorized faders, 4-band parametric EQs, 31-band Graphic EQ, wifi connectivity built into a multi output-matrix, slim-lined, three-layer construct. VGA and USB mouse connections are included to incorporate screens for a flexible, full digital audio experience. The expansion slot allows for users to incorporate mREC, a FireWire/USB expansion card that allows multi-track recording on any modern PC or Mac computer, as well as allowing multi-track recording directly to USB hard drives or thumb drives. Wi-Fi connectivity allows for wireless parameter adjustment through an iPad application on top of a more robust remote editor desktop program. The S16's smart design, including multi configurable I/O and onboard processor integration, makes the Phonic S16 a powerful and versatile digital console suitable for a variety of live fixed install, and recording purposes.

"Overall, the S16 has a lot to recommend it; if you're interested in having an automated digital mixer for a small studio that provides great sound and flexibility at an unbeatable price, there really isn't anything else in its ballpark."

–– Mike Metlay,
Recording Magazine

"Based on an extraordinary concept with a full color touch screen, the extremely abundant list of features and last but not least the very good sound this digital mixer deserves to be called upper class."

- Professional audio
(27 August 2010)

The ample means to route and shape audio signals are superior in this price range and the low priced (optional) recording interface really is a highlight."

- tools 4 music
(24 September 2010)

VIEW METER FADER PATCH DELAY EFFECT EQ DYNAMICS mREC

USB 3.0 Compatible
The recording function on this device is compatible with USB 3.0 thumb drives.

Wi-Fi
An onboard Wi-Fi interface allows users to connect to the Phonic iPad application. This enables remote adjustment of properties and parameters of all features and functions through the iPad.

MIDI CONTROL SURFACE
Complement your audio production software with the Phonic S16. Offering a unique MIDI protocol through the USB connector, the S16 is transformed into an all-encompassing control surface for your Windows- or Mac-based software. The 16 ultra-smooth channel faders immediately become entwined with your software, while other onboard controls can be used to tweak software-based instruments and other plug-ins with ease. Combine the S16 with such popular DAW programs as Cubase, Nuendo, Logic or Protools 9 to create the ultimate studio recording setup.

WIFI SD CARD
Allowing the S16 to connect directly to your wireless network, the S16 Wi-Fi SD card provides you with the perfect means to wirelessly adjust any of the S16's settings using the free Phonic iPad application or our remote editor desktop program. You can set the parameters of digital effects, equalizers, delays and dynamics, while channel specific functions such as panning, soloing and AUX assignment can also be altered. A separate desktop remote editor program is also available.

mREC (MULTI-TRACK RECORDER EXPANSION CARD)
The new S16 Digital Mixer offers an optional mREC expansion card enabling it to work with the computer as a recording interface or as a standalone audio workstation. Users are able to record multi-track audio on their computers or to any USB hard drive and flash drive.

FEATURES
▸ 16 mono mic/line with insert points and grouped phantom power
▸ Internal digital sampling rate up to 96 kHz in 24-bit resolution
▸ Compact design achieved through three layers (Channel, AUX/Group, Multi)
▸ 17 ultra-smooth 100 mm motorized faders arranged in a familiar analog mixer arrangement
▸ Intuitive GUI interface onboard accessed through a full-color touch-screen and optional external devices
▸ 4-band parametric EQs and 31-band Graphic EQ can be found on all input channels, multi outputs and main outputs
▸ Digital AES/EBU input and output
▸ Eight balanced 1/4" phone jack 'multi' outputs
▸ 8 AUX and 8 Group buses assignable to 'multi' outputs
▸ Dual true algorithm based multi-effects processor. Effects can be applied to any input channel, Aux send or group, and the stereo effect signals can be assigned to main stereo mix or eight of the multi outputs
▸ 25 dynamic processors available on input channels, 'multi' outputs and main mix
▸ Save and instantly recall scenes at the touch of a button
▸ Stereo headphone mix with independent level control
▸ VGA and USB mouse outputs for connection of external screen monitors and pointing devices
▸ Processing accomplished through a high quality 40-bit floating point digital signal processor
▸ Optional mREC expansion card featuring a standalone 16-channel PCM WAV recorder and a Firewire/USB 2.0 multitrack recording audio interface; USB 3.0 flash drives compatible
▸ MIDI controller protocol through USB enhances the S16 to act as a DAW control surface
▸ Wireless operation through Wi-Fi connection and Phonic iPad remote control application
▸ Remote desktop editor program available
▸ Rack mounting kit included
▸ 164 x 450 x 520 mm (6.5" x 17.7" x 20.5") \ 16.9 kg (37.3 lbs)

USB recording and playback onboard

Built-in digital effect processor

Virtual faders with meter for each input channel, AUX and Group mix

An overview of channel properties

DIGITAL INTERFACES / S16 DIGITAL MIXER

HELIX BOARDS

Don't compromise when it comes to your recording sessions. For the production and editing of CD quality music, the Helix Board is your top choice. Developed as an alternative to costly and sometimes overtaxing recording studios, the Helix Board offers professional recording quality with the convenience and simplicity of a home computer setup. Ultra low-noise microphone preamplifiers and line-level inputs provide clear, crisp sound directly into the mixer. The no-fuss installation and the flexibility provided by the inclusion of both USB and FireWire interfaces ensure the Helix Boards are the perfect multi-track recording interface for any home or project studio.

3-Band Equalizer

Digital Effects

PRE/POST Switch

Firewire/USB Interface

HELIX BOARD 24 UNIVERSAL

CUBASE LE5

SHARED FEATURES

▸ Onboard USB 2.0 and FireWire interfaces for sending multiple channels of audio to computer with near-zero latency
▸ Two channels of monitoring from computer via USB 2.0 or FireWire interface
▸ A pre/post switch on each channel swaps channel sends to computer from pre-fader, -EQ to post-fader, -EQ
▸ Sampling rate selectable up to 96 kHz in 24-bit resolution
▸ Final stereo channel can be selected between main mix, ALT or Group mix, and AUX mix
▸ 3-band EQ on each channel (swept-mids on 18 and 24 models)
▸ 32/40-bit digital multi-effect processor with 100 programs plus tap delay, tone generator and foot switch jacks
▸ 75 Hz low-cut filter on mono channels
▸ Control room/Phones source matrix
▸ +48V phantom power on Mic channels
▸ Balanced master output with 60 mm fader
▸ High-volume headphone output
▸ Compatible with Mac OSX and Windows XP, Windows Vista & Windows 7
▸ Bundled with Steinberg's Cubase LE 5 digital audio workstation software
▸ Compatible with the majority of DAW programs now available

HELIX BOARD 12 UNIVERSAL
4-Mic/Line 2-Stereo Mixer USB 2.0 & FireWire Interface

▸ Sends up to 10 independent channels of audio to computer at near-zero latency
▸ Four mono Mic/Line channels and two stereo line channels
▸ Extra ALT 3-4 stereo bus redirected from muted input channels
▸ Inserts on channel 1 & 2
▸ Stereo AUX send 1 cue for monitoring individual channel
▸ Master AUX section with EFX to Monitor
▸ 245 x 86 x 271 mm (9.6" x 3.4" x 10.7") \ 2.9 kg (6.4 lbs)

HELIX BOARD 18 UNIVERSAL
6-Mic/Line 4-Stereo 2-Group Mixer with USB 2.0 & FireWire Interface

▸ Sends up to 16 independent channels of audio to computer at near-zero latency
▸ Six Mic/Line channels with inserts and four stereo line channels
▸ Three AUX sends, one with Pre/Post switch
▸ Two stereo AUX returns, one with effect to monitor level control
▸ Solo feature on each input and output
▸ Two true subgroups with Main L and R routing switches
▸ S/PDIF digital audio output
▸ Rack-mounting kit included
▸ 407 x 89 x 357 mm (16" x 3.5" x 14") \ 5.1 kg (11.2 lbs)

HELIX BOARD 24 UNIVERSAL
16-Mic/Line 4-Group Mixer with USB2.0 & FireWire Interface

▸ Sends up to 18 independent channels of audio to computer at near-zero latency
▸ 16 Mic/Line channels with inserts
▸ 8 direct outputs for multi-track recording
▸ Six AUX sends and four stereo AUX returns - three with effect to monitor
▸ Mono out with variable low pass filter from 60 Hz to 160 Hz for subwoofer
▸ Four true Subgroups with Main L and R routing switches
▸ Dual-position I/O pod for desk-top and rack-mounted operation
▸ S/PDIF digital audio output
▸ Rack-mounting kit included
▸ 445 x 212 x 432 mm (17.5" x 8.3" x 17") \ 9.8 kg (21.6 lbs)

FIREFLY SERIES

The sheer scope of the Firefly series, the incredibly high fidelity and ceiling-smashing headroom suggest a price tag way beyond what you would have to pay. The Firefly series offers a flexible, all-purpose recording solution for both digital and analog devices. The Firefly 302 USB is a portable studio-in-a-box recording interface offering flexible inputs for recording musicians and songwriters. It offers stereo RCA and ¼" inputs and outputs as well as XLR microphone inputs. This is in addition to the S/PDIF and MIDI inputs and outputs. The Firefly 808 Universal, on the other hand, is a beast. No less than 8 analog inputs are included, accepting both XLR and ¼" input jacks, all of which are sent via FireWire or USB to the computer. These can all be returned to the Firefly and sent out via the 8 analog outputs. For digital connectivity, the Firefly 808 Universal offers AES/EBU, S/PDIF (optical or coaxial), ADAT, SMUX and MIDI input and output.

FIREFLY 808 UNIVERSAL

FIREFLY 808 UNIVERSAL
Studio Recording Preamp with 192 kHz USB 2.0 & FireWire Interface

▸ 24-bit resolution, up to 192 kHz sampling rate
▸ Headphone output and main output with volume control for monitoring purposes
▸ S/PDIF I/O, AES/EBU I/O, MIDI I/O and word clock I/O
▸ Stand-alone mixer functionality for field and studio use without computer
▸ FireWire (IEEE 1394) and USB 2.0 audio interface
▸ 18 simultaneous inputs and outputs
▸ 8 microphone preamps with trim control and individual phantom power switches
▸ 8 analog line Inputs including 2 Instrument Inputs
▸ 8 channels of optical ADAT I/O (4 ch. via 96k dual SMUX)
▸ Channel meters on channel 1 to 8 for input or output
▸ Synchronization, sampling rate, digital I/O and MIDI in/out indicators
▸ Dual FireWire ports for daisy chaining and direct connection to Mac or PC
▸ Instrument input, pad switch, balanced TRS send jacks on Inputs 1 and 2
▸ Compatible with Mac OSX and Windows XP / Vista / 7
▸ Steinberg Cubase LE 5 DAW software included
▸ 482 x 88 x 286 mm (19" x 3.9" x 11.29") \ 4.6 kg (10 lbs)

FIREFLY 302 USB
Portable 5 x 6 USB 2.0 Audio Interface

▸ 5 x 6 24-bit/192kHz I/O
▸ 2 x 2 analog operation (RCA)
▸ Digital S/PDIF (coaxial) I/O (PCM)
▸ Front-panel microphone in (XLR) with +48V phantom power
▸ Headphone output with dedicated level control
▸ Near-zero latency ASIO software monitoring
▸ 1 x 1 16-channels MIDI I/O
▸ Power indicator LED
▸ Powered via included DC power supply
▸ Sig and Clip LEDs for input and output
▸ Mac and Windows XP / Vista / 7 compatible
▸ Steinberg Cubase LE workstation softwware included
▸ 155 x 196 x 51 mm (6.1" x 7.7" x 2") \ 0.9 kg (1.98 lbs)

FIREFLY 302 USB

INCEPTION

A rare instance where graceful design, brute power, acoustic accuracy, and brains intersect, the Inception DSP powered speaker series establishes a new paradigm for live sound. The Inception 12DSP's 1100Watt amplifier paired with custom transducers produce a shattering 131dB maximum SPL. Paired with the 1200Watt Inception 18 Subwoofer, the Inception becomes the unmistakable choice for any soundman looking for fantastic sound, sheer volume, and portability. The Inception's 40-bit Theorem™ DSP serves as a virtual "soundman" within each unit, offering an EQ function, automatic feedback killer, and variable delay. With an excess of ground shaking power, on-board mixing, custom tuned transducers, impact resistant molded body, and Phonic's proprietary 40-bit Theorem™ DSP, the Inception powered speaker series leaves few stones unturned.

Coming Soon In Summer 2011

Inception 18
1200 Watt 18" Active Subwoofer

- ‣ 1200 Watt Peak D-class amplifier
- ‣ 18" long-throw composite woofer for exceptional low frequency extension
- ‣ 129dB maximum sound pressure level
- ‣ Exceptionally flat frequency response between 35Hz and 150Hz
- ‣ Industrial-grade 1.6 mm grille
- ‣ Enclosure: 18mm birch plywood with tough scratchproof finish
- ‣ Input possible through XLR and 1/4" TRS phone jack connectors
- ‣ 2 ergonomic metal handles
- ‣ Remote gain possible through 4-pin phoenix connector
- ‣ Timed turn off

Inception 12
1100 Watt 12" Active 2-Way Speaker

Inception 12 DSP
1100 Watt 12" Active Speaker with Theorem DSP

- ‣ 1100 Watt (Peak) bi-amplified system using class D & AB amp technologies
- ‣ 131dB maximum sound pressure level
- ‣ Flat frequency response between 45Hz and 20kHz (EQ in 'Flat' position)
- ‣ 1.75'' pure titanium compression tweeter matched with 12'' long-throw composite woofer
- ‣ 40-bit Theorem™ DSP: 4th Order Crossover, Phase/Time Correction, Speaker Protection, Smart EQ, and Feedback Killer
- ‣ Three M-10 fly points for installation hanging
- ‣ Impact resistant polymer shell with vertical curvature to decrease internal diffraction
- ‣ 45° floor monitor position when placed on side
- ‣ Two combo jack inputs (with mic/line switch), RCA input and XLR output (DSP model only)
- ‣ Line-level XLR outputs for connecting additional amplifiers/speakers
- ‣ Ergonomic metal handles
- ‣ Remote gain control and timed turn off
- ‣ 640 x 378 x 365 mm (25.2" x 14.9" x 14.4") \ 19.5 kg (43 lbs)

What is Theorem™ DSP ?

Feedback Killer

Offering real-time cognitive processing, the Feedback killer feature is what separates the Inception 12DSP from the competition. Theorem's Feedback killer behaves like a computer virus scanner, constantly scanning all frequencies to resolve problems, and functions without causing any delay or distortion to the audio signal.
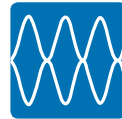
Speaker Protection

The Theorem DSP is responsible for protecting your tweeters and woofers. The DSP suppresses speaker over-excursion, eliminates audio artifacts and distortion, and effectively protects speakers from damage.

Delay Function

Theorem is the only speaker DSP that features onboard delay for speaker alignment across the sound field.

Phase-Accurate Digital Crossover with Time Alignment

Crossovers can wreak havoc on speaker phase and time alignment. The result is that most speaker systems give you inconsistencies and strange acoustic artifacts that compromise sound quality. The Theorem DSP manages the problems of phase and time alignment, delivering sound that is true to the program material.

Smart Equalization

Sound is not one dimensional. Many companies slap a +3dB EQ boost across a particular frequency range without regard for woofer/tweeter distortion or over-excursion that behaves differently at different frequencies. Phonic's Theroem DSP matches EQ boost or cut at each frequency with the precise distortion and excursion characteristics of our speaker drivers.

WM-SYS3

WM-SYS4

WM-SYS3

Single Channel Wireless System For Active Speakers

- WM60 single channel transmitter
- WM400-L receiver
- M6, M8, M10 screws & velcro strip for attaching to speakers

WM-SYS4

Dual Channel Wireless System For Active Speakers

- WM70 dual channel transmitter
- WM400-L left channel receiver
- WM400-R right channel receiver
- M6, M8, M10 screws & velcro strip for attaching to speakers

Transmitters

WM60

- Single Channel Wireless Transmitter
- 16 selectable UHF preset channels
- XLR and 1/4" phone jack inputs
- Transmits over 70 meters (230 feet)

WM70

- Dual Channel Wireless Transmitter
- 16 selectable UHF preset channels
- Volume controls to avoid clipping
- Combo inputs accepting 1/4" and XLR Mono/Stereo select switch
- Transmits over 70 meters (230 feet)

Receivers

WM400-L
WM400-R

- Single Channel Receiver
- 16 selectable UHF preset channels
- XLR output
- For use with any active speaker

WM400-L

WM400-R

LIVE

ACTIVE SPEAKERS & WIRELESS / INCEPTION SERIES

iSK LOUDSPEAKERS

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 extends beyond 22kHz and long-throw woofers reaches lower F0's than other woofers on the market. The iSK series is the most versatile in its class with 3 M10 bolts for installation hanging, dual angle pole-mounts (iSK8/12/15), and a 45° floor monitor position for two-way models. Finally, the iSKs are incredibly heavy-duty with either ToughCoat™ anti-scratch surface or professional-grade carpeting. Engineered for an unsurpassed audio response, sensational power handling, and extensive mounting possibilities, the iSK establishes a new benchmark.

iSK 8
8'' 2-way Stage Speaker / Floor Monitor
200W RMS / 400W Music / 800W Peak

iSK 12
12'' Passive 2-way Stage Speaker / Floor Monitor
350W RMS / 700W Music / 1400W Peak

iSK 15
15'' Passive 2-way Stage Speaker / Floor Monitor
350W RMS / 700W Music / 1400W Peak

iSK 215
Dual 15'' Passive 2-way Stage Speaker
700W RMS / 1400W Music / 2800W Peak

iSK 18
18'' Subwoofer
500W RMS / 1000W Music / 2000W Peak

iSK12A
900W Biamped Powered Speaker

iSK15A
900W Biamped Powered Speaker

iSK18A
1000W Powered Subwoofer

Pro-grade carpets — **iSK Original**

Scratch Resistant Coating — **iSK ToughCoat™**

- RMS power ratings certified and tested using the IEC 268 torture test
- Thick 20mm Grade-A MDF (Original) or birch plywood (Deluxe) body with internal bracing system increases structural strength
- New 1.8'' pure titanium compression tweeter paired with Phonic's proprietary Wing-Guide™ horn delivers smooth, transient highs beyond 22kHz
- Wide 90°x70° dispersion angle
- New long-throw composite woofers offer among the lowest F0's in market
- Professional Speakon In/Out Connections
- Serve as floor monitor when tilted on the side (iSK8/12/15)
- Dual pole mounts has 10° option that avoids ceiling reflections and increases high frequency coverage to audiences beyond 20 meters (iSK8/12/15)
- Installation friendly: 3 M10 bolts for hanging (iSK8/12/15)
- Thick 1.3mm/1.6mm foamed grille
- Durable and ergonomic metal handles

Dual Angle Pole Mount
iSK two-way speakers are equipped with dual pole mounts giving users a 10° position along with the standard upright position. The 10° position avoids ceiling reflections and increases high frequency coverage to audiences beyond 20 meters.

Thick Foamed Grilles
The iSK is equipped with thick 1.3mm (iSK8/12/15) and 1.6mm (215/18) foamed grilles to protect your investment from dust and the occasional bumps on the road.

LIVE | INSTALL

Pro audio companies are notorious for the games played around power ratings. You've seen them all – "Musical Peak," "Peak Program," or even crazier, no labels at all! These tricks are responsible for thousands of blown speakers each year. At Phonic, we put our speakers through the International Electrotechnical Commission's (IEC) power test. When Phonic rates a speaker's RMS power handling, we put it through a grueling 100 hour test using IEC's mandated pink noise signal - the most rigorous rating standard in the industry. IEC 268-1 calls for a filtered pink noise signal with a 6dB crest factor. A Phonic speaker rated at 350W IEC RMS means that the speaker can handle 700W of musical playback and 1400W of peak signal! So the next time you buy a passive speaker, ask the right questions: What is the RMS power of this speaker? How was RMS power determined? Did they use the correct IEC-268 pink noise signal? What was the crest factor of the signal? How long did they test for? Armed with these questions, you can sidestep the tricks and get the power you need!

▌ Install-Friendly M10 Points

iSK 2-way units are equipped with three M10 fly points for hanging. Speakers can be suspended from ceilings for more versatile audio coverage.

▌ New 1.8'' Titanium Compression Tweeter / Wing-Guide™ Horn

Phonic's R&D team designed new 1.8'' pure titanium compression tweeters for the iSK series. When paired with Phonic's proprietary Wing-Guide™ horn, the iSK delivers smooth, transient highs beyond 22kHz.

▌ A-Grade 20mm MDF

Built like a tank! Thick 20mm Grade-A MDF panels with the internal bracing system increases structural strength and enhances acoustic response. The sturdy construction along with pro-grade carpets or ToughSkin™ anti-scratch finish protects your iSK investment for years to come.

Weatherproof Bags

The iSK's custom constructed weatherproof bags protect your speakers while on the road. Rain, sleet or snow, your iSK speakers are able to go with you on tour regardless of the forecast.

LIVE I INSTALL

aSK SERIES

In developing the aSK, Phonic's Loudspeaker Research and Development Team insisted on professional grade performance at affordable price points to fit the needs of performers and hobbyists alike. Engineered from the ground up, the aSK is built like a tank. Structural features include internal bracings that minimize body vibration, heavy duty metal handles, slanted sides to decrease diffraction, professional-grade carpet to withstand rough handling. The aSK is also equipped with Phonic's proprietary Wing-Guide™ horn which lowers distortion and improves dispersion consistency. Phonic's Loudspeaker R&D Team also engineered new drivers for the series including 1.3'' pure titanium tweeters and long-throw woofers, resulting in a stellar acoustic response that is flat overall with a bass boost providing added "thump". For rigorous performance requirements at an incredible value - the aSK makes no compromises.

aSK 10
10'' Passive 2-way Stage Speaker /
Floor Monitor
100W RMS / 200W Music / 400W Peak

aSK12
12'' Passive 2-way Stage Speaker /
Floor Monitor
200W RMS / 400W Music / 800W Peak

aSK15
15'' Passive 2-way Stage Speaker /
Floor Monitor
200W RMS / 400W Music / 800W Peak

aSK18
18'' Subwoofer
300W RMS / 600W Music / 1200W Peak

aSK215
Dual 15'' Passive 2-way Stage Speaker
400W RMS / 800W Music / 1600W Peak

▸ RMS power ratings certified and tested using the IEC 268 torture test
▸ New 1.3'' pure titanium compression tweeter paired with Phonic's proprietary Wing-Guide™ horn delivers smooth, transient highs beyond 20kHz
▸ Wide 90°x70° dispersion angle
▸ Long-throw Black Morie woofers give added bass "thump"
▸ Stability bracing system increases structural strength
▸ Input and Output: Parallel ¼'' jacks
▸ Serves as floor monitor when tilted on the side (aSK10/12/15)
▸ Thick 1.3'' grille to withstand the bumps and bruises of the road
▸ Metal handles and pole mounts are exceptionally ergonomic and virtually indestructible

1.3'' Pure Titanium Tweeter / Wing-Guide™ Horn
Phonic's R&D team designed new 1.3'' pure titanium compression tweeters for the aSK series. When paired with Phonic's proprietary Wing-Guide™ horn, the aSK delivers smooth, transient highs beyond 20kHz.

Durable Metal Handle / Pole Mount
The aSK is equipped with virtually indestructible metal handles and pole mounts. Along with MDF speaker panels and ultra-thick carpeting, your aSK investment will be good for years to come.

Thick Grilles
We equipped the aSK with pro-grade 1.3mm grilles to protect your investment from the bumps and bruises of the road.

SEp 207

VERSATAP 50

SE 207

SE 206

SEp 206

VERSATAP 30

SE 206

5-1/4" 2-Way Molded Speaker

▸ Power Capacity: 30 Watts
▸ Sensitivity: 88 dB SPL @ 1W / 1M
▸ Frequency Response: 80 Hz ~ 16 kHz
▸ 1" Tweeter and 5 1/4" Woofer
▸ U-mount bracket included
▸ 235 x 160 x 178 mm (9.25" x 6.3" x 7") \ 2.3 kg (5.07 lbs)

SE 207

6-1/2" 2-Way Molded Speaker

▸ Power Capacity: 50 Watts
▸ Sensitivity: 90 dB SPL @ 1W / 1M
▸ Frequency Response: 70 Hz ~ 20 kHz
▸ 1" Tweeter and 6 1/2" Woofer
▸ U-mount bracket included
▸ 292 x 197 x 210 mm (11.5" x 7.75" x 8.27") \ 3.1 kg (6.83 lbs)

SEp 206

Powered 5-1/4" Molded Speaker

▸ Built-in 20W power amplifier
▸ One XLR (female) input jack
▸ Frequency Response: 80 Hz ~ 16 kHz
▸ 1" Tweeter and 5 1/4" Woofer
▸ U-mount bracket included
▸ 235 x 160 x 178 mm (9.25" x 6.3" x 7") \ 2.8 kg (6.17 lbs)

SEp 207

Powered 6-1/2" Molded Speaker

▸ Built-in 20W power amplifier
▸ One XLR (female) input jack
▸ Frequency Response: 70 Hz ~ 20 kHz
▸ 1" Tweeter and 6 1/2" Woofer
▸ U-mount bracket included
▸ 292 x 197 x 210 mm (11.5" x 7.75" x 8.27") \ 3.6 kg (7.94 lbs)

The SE206 and SE207 are perfect for use with the all-new Phonic ZA100 zone mixer/amplifier or can be used with the classic ICON series of contractor amplifiers. Flip to pages 19 and 30 for details.

VERSATAP 30

4" 2-way Speaker with Transformer

▸ Power Capacity: 30W @ 8 Ohm
▸ Frequency Response: 120 Hz - 20 kHz
▸ Sensitivity: 84 dB SPL @ 1W/1M, 1 kHz
▸ 4" poly carbon woofer and 1" soft dome
▸ Transformer with 4 taps positions (2, 4, 8, 16W) and 30W (8 Ohm) bypass
▸ Moisture resistant aluminum enclosure available in black or white
▸ Lightweight and compact
▸ U-mount bracket included
▸ 184 x 114 x 108 mm (7.25" x 4.5" x 4.25") \ 25 kg (55 lbs)

VERSATAP 50

6-1/2" 2-way Molded Speaker with Transformer

▸ Power Capacity: 50W @ 8 Ohm
▸ Frequency Response: 75 Hz - 20 kHz
▸ Sensitivity: 90 dB SPL @ 1W/1M, 1 kHz
▸ 6.5" poly carbon woofer and 1" soft dome
▸ Transformer with 4 taps positions (2.5, 5, 10, 20W) and 50W (8 Ohm) bypass
▸ Moisture resistant lightweight plastic enclosure
▸ U-mount bracket included
▸ 292 x 197 x 210 mm (11.5" x 7.75" x 8.25") \ 25 kg (55 lbs)

INSTALL

IW CEILING SPEAKERS

IW 4030
4" x 1.5" Driver Speaker

IW 506
5" Driver Speaker

IW 5006
5" x 3/4" Coaxial Driver Speaker

IW 656
6.5" Driver Speaker

IW 6510
6.5" x 1" Coaxial Driver Speaker

IW 810
8" Driver Speaker

IW 8030
8" x 1" Coaxial Driver Speaker

IW 8030 LP
8" x 1" Coaxial Driver Speaker

IW 1060
10" Subwoofer Driver Speaker

- ▸ Iron-molded circular construct with fire-proof coating
- ▸ Coaxial driver reduces size and improves sound quality
- ▸ Mount speakers with C-type iron rings or lightweight V-type steel brackets; fasten with auto-lock nails
- ▸ Built-in transformer

Ceiling Speaker Usage
Ceiling speakers should be placed at least 8 to 10 feet apart (you can calculate the exact distance you should use by using the details below). It's best not to place any speakers closer than 4 feet from adjacent walls. Using this as a guide, it should be relatively simply to determine the number of speakers you will require for your setup.
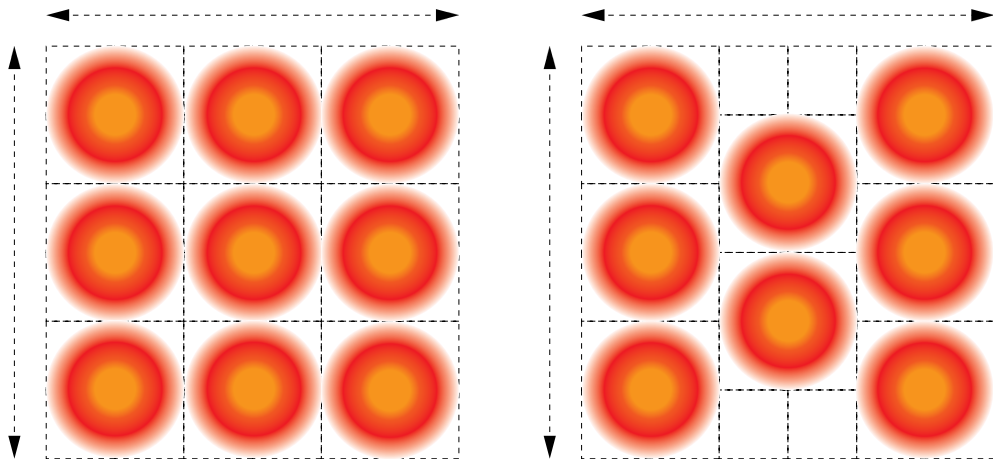
Ceiling Height	Low Coverage	Moderate Coverage	Moderate-to-High Coverage
8 feet	121	72	64
9 feet	196	121	100
10 feet	289	169	144
11 feet	400	256	196
12 feet	529	324	256
13 feet	625	400	324
14 feet	-	529	400
15 feet	-	-	484
16 feet	-	-	600
17 feet	-	-	729
18 feet	-	-	841
19 feet	-	-	961
20 feet	-	-	1089

Suggested coverage is indicated in squared feet. These coverage values are suggested for typical applications. Lower the suggested audio coverage for maximum fidelity and raise them to increase cost-efficiency. For applications that require additional bass, the IW1060 is suggested.

ROADGEAR 200
200 Watt Mobile Sound System

ROADGEAR 300
300 Watt Mobile Sound System

▸ Luxury luggage-style molded cabinet with wheels
▸ 300W (150W per channel) stereo power amplifier (RoadGear 300)
▸ 200W (100W per channel) stereo power amplifier (RoadGear 200)
▸ 5 or 8 channel powered mixer with phantom power
▸ Speaker system with 1" compression driver and 8" woofer
▸ 24-bit digital effect processor with 16 programs and foot switch jack (RoadGear 300)
▸ Echo effect with delay and repeat controls (RoadGear 200)
▸ 2-band EQ on each input channel
▸ 3-band system equalizer (treble/bass on RoadGear 200)
▸ One stereo input channel and one stereo AUX return
▸ Speaker output with send and return
▸ One or two dynamic microphone(s) with mic clips, cables and carry bag(s)
▸ Two 30 ft speaker cables
▸ Storage compartments for microphones, cables and accessories
▸ Operates on AC or DC power
▸ 818 x 635 x 352 mm (32.2" x 25" x 13.9") \ 27 kg (59.5 lbs) \ 28 kg (61.7 lbs)

Optional Accessories:
▸ Wireless UHF handheld, lavaliere and head-set microphones (UM31, UM41, UM51, respectively)
▸ Speaker stands and mounts (MK1-RG, MK2-RG, SK1, SK2)
▸ RoadGear travel bag (TB-RG)

ACUMEN SERIES

The Acumen's custom-designed Kevlar woofers, silk tweeters and meticulous material selection create its lush yet accurate signature sound. The biamplified Acumen has the best-in class wattage output with a combined 100 Watts for the Acumen 4A, 210 Watts for the Acumen 6A and 320 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 4A
100 Watt 4" Studio Monitor

ACUMEN 6A
210 Watt 6-1/4" Studio Monitor

ACUMEN 8A
320 Watt 8-3/4" Studio Monitor

▸ Unique steeple-shaped enclosure enhances bass extension, acoustic imaging and transparency
▸ Custom-tuned transducers: Kevlar long-throw woofer and silk dome tweeter
▸ Lush yet accurate signature sound
▸ Flexible inputs: XLR, TRS (1/4''), RCA
▸ Bi-amplified design: 100 Watts (Acumen 4A), 210 Watts (Acumen 6A), 320 Watts (Acumen 8A)
▸ 4th order Link-Riley crossover. Phase and time-aligned.
▸ Adjustable high frequency, low frequency trim, and room compensation
▸ Thick, Grade-A MDF wood body

INSTALLATION MIXERS & AMPLIFIERS

Phonic's series of rack-mountable installation mixers and amplifiers provide guaranteed reliability and fantastic versatility in a compact, user-friendly design. The ZX offers three stereo inputs, a paging mic input and an emergency input, while offering either two or four zone outputs for maximum zone separation. The PM801 is an 8-channel mixer with individual phantom power, tone control, clip indicator and mute control on each channel. A pre-fader output and AUX input give maximum flexibility, allowing the external signal processors to be integrated into the setup. More mixer/amplifiers, zone amplifiers and contractor, ceiling speakers can be found on our website.

ZX4

PM 801

ZX2

2 Zone Mixer

- ▶ Three stereo RCA line inputs with individual trim controls
- ▶ Paging microphone input and 1/4" TRS emergency input for emergency message broadcasting
- ▶ Two stereo zone outputs with independent source select switches and level controls
- ▶ Subwoofer output on each zone
- ▶ High and low EQ controls on each zone
- ▶ Microphone ducking depth and EQ controls
- ▶ Utility output provides audio to general utility areas (foyers, restrooms, etc.)
- ▶ Utility output source selectable
- ▶ Stereo/Mono switch on zone 1 and 2
- ▶ Remote level controls can be wired to the two zones for applications requiring remote adjustment of audio levels
- ▶ 482 x 44 x 168 mm (19" x 1.75" x 6.6") \ 2.5 kg (5.5 lbs)

ZX4

4 Zone Mixer

- ▶ Three stereo RCA line inputs with individual trim controls
- ▶ Paging microphone input and 1/4" TRS emergency input for emergency message broadcasting
- ▶ Three stereo and one mono zone output with independent source select switches and level controls
- ▶ Microphone ducking depth and EQ controls
- ▶ Utility output provides audio to general utility areas (foyers, restrooms, etc.)
- ▶ Utility output source selectable
- ▶ Remote level controls can be wired to the four zones for applications requiring remote adjustment of audio levels
- ▶ 482 x 44 x 168 mm (19" x 1.75" x 6.6") \ 2.5 kg (5.5 lbs)

PM 801

Single Rack Unit 8-Channel Mixer with Tone Control

- ▶ 8 balanced Mic/Line inputs
- ▶ Ultra low noise pre-amp circuitry offering up to 62 dB gain (Mic In)
- ▶ EQ and Direct Out features
- ▶ Mute control, Clip Indicator, and Tone control on each channel
- ▶ Pre-fader Out and AUX Bus In for connecting additional units to maximize the application flexibility
- ▶ +48V phantom power on every channel
- ▶ Built-in power supply - no wall wart!
- ▶ 482 x 44 x 165 mm (19" x 1.75" x 6.5") \ 2.3 kg (5.3 lbs)

Use the ZX zone mixers with any combination of Phonic's other great contractor and installation products. For more details, check out our SE and SEp contractor speakers on page 15, our IW ceiling speakers on page 16, and our ICON contractor amplifiers on page 30.

ZA100

KA920

The ZA100 rack-mountable 3 zone public address amplifier offers 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 Watts split between three zones, the ZA100 is one of the most flexible yet powerful public address amplifiers available in today's commercial/installation pro audio market.

The KA720 and KA920 are the most powerful karaoke mixing amplifiers in their class with up to 460 watts of power per channel. Up to six microphones can be used at one time, letting you and your friends sing karaoke like never before. The channel 1 to 4 microphone inputs have full 2- or 3-band EQ, echo effects and gain controls. Switch between up to four music and video sources at the touch of a button on the unit or via remote control (remote featured on the KA920 only). Two A/V outputs are also provided for routing to monitors and other devices. An on-board 32/40-bit DSP provides reverb and echo effect for superior vocal enhancement and a +/- 8 step digital key controller changes the key of the music without changing the tempo. The KA series of karaoke amplifiers can be rack mounted and are excellent for use by karaoke bars, touring groups, on stage, in schools, resorts, and large conferences.

ZA100
3-Zone Mixer/Amplifier with USB Player

- 100 Watt (RMS) of power at 4 ohms, 100V
- 3 microphone, 2 line input channels
- Microphone input via combo jacks
- Line 1 input offers stereo RCA and 1/4" TRS
- Line 2 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 from USB flash drives
- Alert chimes and 'announce' tones built-in
- Battery connectivity for emergencies in power-outages
- 6-segment LED VU meter on output
- Front Panel System EQ with treble and bass controls
- Individual zone output select buttons
- Playback of MP3 or WAV audio files directly
- 1/4" TRS link inputs and outputs
- Removable rack ears included
- 2 standard rack units high
- 482 x 88 x 283 mm (19" x 3.5" x 11") \ 7.5 kg (16.5 lbs)

KA720
360W Karaoke Mixer/Amplifier

KA920
460W Karaoke Mixer/Amplifier

- 2 x 360W @ 4 ohms (KA720)
- 2 x 460W @ 4 ohms (KA920)
- 32/40-Bit DSP reverb and professional digital echo for superior vocal enhancement
- +/- 8-Step Digital Key Controller changes the key of the music without changing the tempo
- On-board video switching with four sets of A/V Inputs, two audio outputs and two video outputs
- Gain and Echo Send control on each microphone input
- Channel 1 to 4 Mic inputs each with individual 2-band (KA720) or 3-band (KA920) EQ
- One AUX output and one stereo AUX input
- Balance control on master Music and Mic sections
- High and Low EQ on music source input (KA720)
- High, Mid, Low controls on music source input (KA920)
- Individual master microphone and music volume controls
- Multi-functional remote control (KA920)
- 3 RU rack mountable construct
- 482 x 133 x 415 mm (19" x 5.2" x 16.3") \ 10.3 kg (22.7 lbs)

CA MIXER/AMPLIFIERS

For commercial installations and set ups, the Phonic CA series of mixer/amplifiers provide the power and precision necessary for a flawless system. Offering a myriad of professional inputs possibilities and flexible output modes including 75V and 100V, the CA series of mixer/amplifiers is perfect for background music, broadcast paging, as well as on-hold music for offices, restaurants, factories and churches.

The CA35 provides a total of 3 inputs with a 35W amplifier output. The CA60 provides a total of 4 inputs with a 60W amplifier output. The CA120 provides a total of 6 inputs with a 120W amplifier output. The CA240 provides a total of 6 inputs with two 120W amplifier outputs. Each CA mixer/amplifier also features an individual level control on each input, voice activated muting, music on hold output, 24V phantom power and bass and treble controls.

CA240

CA35
3-Channel Commercial 35 Watt Mixer/Amplifier

CA60
4-Channel Commercial 60 Watt Mixer/Amplifier

‣ 3 input channels, each with volume control, on CA35
‣ 4 input channels, each with volume control, on CA60
‣ 35 or 60 Watt amplifier output channel
‣ Bass and treble controls on master output
‣ Balanced Phoenix-type mic/line inputs
‣ Telephone output for 'music on hold' application
‣ Two or three stereo RCA music inputs
‣ Screw-terminal speaker outputs
‣ Priority muting by VOX or external switch
‣ 210 x 85.5 x 276 mm (8.3" x 3.4" x 10.9")

CA120
6-Channel Commercial 120 Watt Mixer/Amplifier

CA240
6-Channel Commercial 240 Watt Mixer/Amplifier

‣ 6 input channels, each with volume control
‣ 120 or 240 Watt amplifier output channel
‣ Bass and treble controls on master output
‣ Balanced Phoenix-type mic/line inputs
‣ Telephone output for 'music on hold' application
‣ Five stereo RCA music inputs
‣ 1/4" and 1/8" TRS jacks available
‣ Chime and Announce tones for emergency broadcast and announcements
‣ Screw-terminal speaker outputs
‣ Priority muting by VOX or external switch
‣ Connectors for external 24V battery ensure operating in event of power outage
‣ 430 x 87 x 259 mm (16.9" x 3.5" x 10.2")

PM SERIES

The new Phonic PM talkback microphones are ideal for a wide array of possible situations. The ease and convenience of an on board talkback or zone buttons makes the PM ideal for announcements in public areas, while the elegant appearance makes them perfect for summits and conferences. The model offers a unidirectional microphone with a cardioid pick-up pattern. An XLR output connector makes it ideal for all manners of zone mixers and/or other mixing consoles.

PM1
Talkback Microphone

‣ Unidirectional cardioid dynamic microphone
‣ Connects directly to zone mixers
‣ 3-pin XLR microphone output
‣ Dedicated talkback button with lock feature

PM4
Multi-Zone Talkback Microphone

‣ Unidirectional cardioid dynamic microphone
‣ 3-pin XLR microphone output
‣ RJ45 paging control output
‣ Zone-select button for individual or combined paging
‣ Select up to four zones simultaneously

ZP SERIES

ZP10   ZP20   ZP30

ZP10
Remote Level Control

ZP20
2-zone, vertical configuration with level control

ZP30
4-zone, vertical configuration with level control

Phonic's range of controllers offer simple, logical utility extensions to the ZX2 and ZX4 zone mixers, as well as the CA35, CA60, CA120, CA240 and ZA100 mixer/amplifiers. The three versatile controllers offer flexible operation for talk-over microphones to be designated to specific zones with ease. All models offer simple, variable level adjustment and/or zone assignment for talk-over microphones connected to the Phonic products. Operated via typical RJ45 jacks running CAT5 cables or Phoenix connectors, the install-friendly ZP controls offer flexible, attractive routing and volume adjustment solutions to contractors.

‣ Instant zone allocation of talk-over signals (ZP20/ZP30)
‣ Variable level adjustment for audio signals
‣ Discrete, wall-mountable 'light-switch' design
‣ ZP20 and ZP30 connect via standard RS232 cables
‣ ZP10 connects via Phoenix connector
‣ ZP20 and ZP30 compatible with the Phonic ZX zone mixers
‣ ZP10 compatible with Phonic CA mixer/amplifiers
‣ ZP10 also compatible with Phonic ZA100 public address amp

INSTALLATION

POWERPODS

Built to meet remarkably high standards, the Powerpod powered mixers from Phonic feature raw, rugged power combined with ultra low noise operation, super-smooth controls, and sturdy construction for maximum reliability. The series begins with the entry level Powerpod 410 and advances to the more sophisticated Powerpod K-12 Plus, giving performers more inputs, features and power to cater to larger audiences. Phonic's 'R' version of Powerpods offer an onboard recording function that allows audio to be recorded directly to a USB flash drive. The 'FR' versions also offer this feature, yet go further to include our automatic feedback elimination circuitry that intelligently removes unwanted feedback from audio.

POWERPOD 620 R

200W 6-Channel Powered Mixer with USB Recorder

▸ 100W + 100W / 4 ohms dual power amplifiers for Main or Main/Monitor (Bridge mono, 200W / 8 ohms)
▸ USB recorder and playback device for capturing all performances with ease
▸ 32/40-bit digital multi-effect processor with 16 programs plus parameter control and footswitch jack
▸ Six balanced Mic inputs and eight Line inputs
▸ Two Super Hi-Z inputs optimized for direct instrument input
▸ 2-band EQ on each input channel
▸ 7-band master graphic EQ
▸ Pad control on channels 1~4
▸ AUX input
▸ Stereo RCA I/O
▸ Global +48V phantom power for mic inputs
▸ Built-in limiters
▸ Monitor and effect sends on each input channel
▸ Drive level / effect out master control for signal sent to effect processor
▸ 440 x 245 x 275 mm (17.3" x 9.6" x 10.8") \ 12 kg (26.46 lbs)
▸ Also available without built-in USB recorder/player (Powerpod 620 Plus)

POWERPOD 820

200W 8-Channel Powered Mixer with DFX

▸ Built-in 100W + 100W stereo power amplifier
▸ DFX, our 32-bit digital multi-effect processor with 16 programs plus one main parameter control
▸ Four balanced Mic/Line channels with inserts
▸ Two stereo Line channels
▸ 3-band EQ on each channel
▸ Global +48V phantom power for Mic inputs
▸ 75Hz low-cut filter on mono channels
▸ Extra ALT 3-4 stereo bus
▸ Two AUX sends per channel
▸ Two stereo AUX returns
▸ AUX Cue allows from 1 to 8 channels to be independently monitored in stereo
▸ Master AUX section with EFX to Monitor
▸ Mini stereo and stereo RCA input and output
▸ Rec Out with trim control for record level matching
▸ Control Room/Phones source matrix
▸ High-volume headphone output
▸ 275 x 100 x 270 mm (10.8" x 3.9" x 10.6") \ 3.2 kg (7 lbs)

POWERPOD 410 R

100W 4-Channel Powered Mixer with Variable Delay

▸ Built-in 100W output power
▸ 4 Mic/Line input channels
▸ USB recorder and playback device for capturing all performances with ease
▸ Variable digital delay with time and repeat control
▸ Main insert point via 1/4" TRS jack
▸ Super musical 2-band EQ on mono channels
▸ 465 x 155 x 210 mm (18.3" x 6.1" x 8.23") \ 7.4 kg (16.3 lbs)
▸ Also available without built-in USB recorder/player (Powerpod 410)

POWERPOD 1062 FR

600W 10-Channel Powered Mixer with DFX, Feedback Killer and USB Recorder + Player

▸ 300W + 300W (at 4 ohms) stereo power amplifier for Main L/R or Mono/Monitor
▸ Automatic Feedback Killer
▸ USB Recorder + Player
▸ 32/40-bit digital multi-effect processor with 16 programs - each with a user-adjustable parameter
▸ 9 balanced microphone inputs and 12 1/4" phone jack inputs
▸ Two super Hi-Z inputs optimized for direct instrument inputs
▸ Global phantom power for condenser microphones
▸ Dual 8-band graphic equalizers with in/out switches for Main L/R and Monitor or Main L/R
▸ 3-band equalizer available on all channels
▸ Rumble filter for Mic inputs
▸ Pad control on channels 1 to 6
▸ Monitor and effect sends on each input channel
▸ 471 x 285 x 275 mm (18.5" x 11.2" x 10.8") \ 21.5 kg (47.4 lbs)
▸ Also available without the built-in USB recorder/player and automatic feedback killer (Powerpod 1062 Plus)

POWERPOD 1082 PLUS

800W 10-Channel Powered Mixer with DFX

▸ 800W / 4 ohms stereo power amplifier for Main L/R or Mono/Monitor
▸ DFX, our 32-bit digital multi-effect processor with 16 programs plus parameter control
▸ 9 balanced Mic inputs and 12 Line inputs
▸ Two super Hi-Z inputs optimized for direct instrument inputs
▸ 3-band EQ on channels 1 through 9
▸ Dual 8-band graphic equalizers with in/out switches for Main L/R and Monitor or Main L/R
▸ Rumble filters for Mic inputs
▸ Pad control on channels 1-6
▸ Monitor and effect sends on each input channel
▸ Global +48V phantom power for Mic inputs
▸ Two built-in limiters
▸ Rec out with trim control for record level matching
▸ Mains power switchable between 115 VAC and 230 VAC
▸ 471 x 285 x 275 mm (18.5" x 11.2" x 10.8") \ 21.5 kg (47.4 lbs)

USB Recorder

Once again reinventing the live audio experience, Phonic's Powerpod series of powered mixers are now available with simple, convenient USB recording and playback modules built-in. Connect any formatted USB flash drive to the USB port to get quality MP3 recordings straight to the drive. Push the play button to instantly playback any WAV or MP3 files currently on the USB media. Ideal for rehearsals and playback of reference or backing tracks, the Powerpod's recording and playback modules are set to enhance an already phenomenal series of powered mixers.

Currently available on: Powerpod 410R, Powerpod 620FR, Powerpod 620R, Powerpod 740FR, Powerpod 740R, Powerpod 1062R, Powerpod 1082R

POWERPOD 740 FR

440W 7-Channel Powered Mixer with DFX, Feedback Killer and USB Recorder + Player

▸ 220W + 220W / 4 ohms dual channel power amplifier for Main 1/2 or Main/Monitor
▸ Automatic Feedback Killer
▸ USB Recorder + Player
▸ 32/40-bit digital multi-effect processor with 16 programs - each with a user-adjustable parameter
▸ 7 balanced microphone inputs with rumble filters and 10 1/4" phone jack inputs
▸ Two super Hi-Z inputs optimized for direct instrument input
▸ Dual 7-band graphic equalizers with In/Out switches for Main L/R or Main/Monitor
▸ 3-band equalizer available on all channels
▸ Pad control on channels 1-4
▸ Monitor and effect sends on each input channel
▸ Global +48V phantom power for Mic inputs
▸ Two built-in limiters
▸ Rec out with trim control for record level matching
▸ Mains power switchable between 115 VAC and 230 VAC
▸ 471 x 265 x 275 mm (18.5" x 10.4" x 10.8") \ 15.5 kg (34.18 lbs)
▸ Available without the built-in USB recorder/player and automatic feedback killer (Powerpod 740 Plus)

Feedback Killer

There was a time when feedback in a live audio setup was inevitable. The performer would take one foul step in the wrong direction, the microphone would pick up the speaker's signal and the resulting shrill screech would crawl up the spines of the audience. While the invention of feedback suppression products put an end to those days, until now there was no easy way to incorporate these device into your every day, typical powered mixer, nor was there a solution that could be used without an experienced technician present. To solve that problem, Phonic engineers built an unprecedented 30-filter 'feedback killer' component directly into the Powerpod powered mixers. The Powerpod FR series of mixers incorporates a one-touch, two-touch system of feedback elimination, making it the world's easiest way to make a great sounding, feedback-free setup. Through the Powerpod 'feedback killer', users can significantly improve their live experience by removing what every entertainer dreads most: feedback!

30 Feedback Filters

A total of 30 feedback filters are at your disposal. This means that 30 separate instances of feedback can be caught and attacked at any one time. These notch-type filters are employed to completely rid users of feedback while maintaining absolute audio clarity and preserving the program material. Filters have two operating modes: dynamic and locked, both of which provide their own benefits to the performer.

Dynamic Mode

With the push of a button, users will have immediately activated dynamic filter mode. In this mode, the Powerpod FR's feedback killer will immediately start seeking instances of feedback across the frequency spectrum and applying the filters. Once all 30 filters are full, the dynamic circuitry will return to the very first filter, reset it, and reapply a new filter. This mode is ideal for live performances involving lively, active performers.

Locked Mode

Once users have found feedback frequencies using dynamic mode, these filters can be locked by pushing the feedback button once more. In this instance, all previously found instances of feedback will be completely filtered from your performance without affecting your audio signal any further. Ideal for use in live performances with static performers, locked filters help to completely preserve the integrity of your audio while performing.

POWERPODS

SHARED FEATURES

- Four AUX sends (AUX 1/2 are pre-fader and EFX 1/2 are post-fader)
- Two stereo AUX returns, each can be routed to AUX 1 & 2 sends (effect to monitor)
- Stereo 7-band graphic EQ
- Mono output for extra zone filling or as subwoofer processing source
- PFL on each input and AFL on each output
- Standby switch mutes input channels only for playing music between sets

- Headphone output with separate rotary level control
- Zone 2 output for side fill or another PA system
- One Speakon-type connector and two 1/4" phone jacks per channel for speaker connection
- Molded protective cover prevents scratching or damage to mixer
- Rugged metal main chassis with integrated handle
- Mains power switchable between 115 VAC and 230 VAC

POWERPOD K-12 *PLUS*

1000W 12-Channel Powered Mixer with Graphic EQ and Dual DFX

- 500W + 500W / 4 ohms stereo power amplifier (bridgeable and patchable)
- Dual DFX, our 32/40-bit digital effects processor with 16 programs plus parameter control
- 8 balanced Mic inputs with inserts and 12 line-level inputs
- Two stereo input channels with 1/4" and RCA inputs
- 3-band channel EQ with swept mid-range
- Global +48V phantom power for Mic inputs
- Mono output features variable low pass filter from 60 Hz up to 160 Hz
- 583 x 143 x 466 mm (23" x 5.6" x 18.4") \ 14.5 kg (31.94 lbs)

POWERPOD 1860 *PLUS*

800W 12-Channel Powered Mixer with Graphic EQ, DFX

- 400W + 400W / 4 ohms stereo power amplifier (bridgeable and patchable)
- DFX, our 32/40-bit digital multi-effect processor with 16 programs plus parameter control and foot switch jack
- 8 balanced Mic inputs with inserts and 12 line-level inputs
- Two stereo Line input channels capable of accepting RCA/Phone inputs
- 3-band channel EQ
- Stereo RCA I/O for CD/TAPE external sources
- Grouped +48V real phantom power for broader application
- 483 x 143 x 466 mm (19" x 5.6" x 18.4") \ 14.3 kg (31.5 lbs)

SONIC STATIONS

If there's one thing we take seriously at Phonic, it's the science of sound. Sonic Stations are built into solid, stylish constructions and offer such fantastic features as 3-band semi-parametric equalizers on every mono channel, 4-band on stereo; 8 to 28 direct outputs for connection to multi-track recorders; 32-bit digital effects with 16 quality programs, plus tap-delay effects and parameter control; dedicated subwoofer output for extended low-end; subsonic mic filters for reducing noise and interference. All of this combined make the Sonic Station analog series a user-friendly, yet timelessly reliable, mixing solution.

SONIC STATION 16

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

- 32/40-bit digital multi-effect processor with 16 programs plus one main parameter control, tap control and foot switch jack
- 16 Mic/Line channels with inserts
- 3-band EQ with swept mid-range
- 75 Hz low-cut filter on each channel
- AUX 1 & 2 with Pre/Post switch
- Six AUX send mixing bus
- Four stereo AUX returns, three with effect to monitor
- Pad on 4 mono channels to handle difficult signals
- Mini Stereo I/O and stereo RCA I/O each with trim control
- +48V phantom power on Mic channels
- Four 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
- Rec out with trim control for record level matching
- Built-in switching power supply with universal connector, 100-240 VAC, 50/60 Hz
- 440 x 210 x 475 mm (17.3" x 8.26" x 18.7") \ 9.5 kg (20.9 lbs)

SONIC STATION 22

18-Mic/Line 2-Stereo 4-Bus Mixing Console with Dual DFX

- 22 channel 4-bus mixing console, 20 mic preamps
- Dual effect engines with 16 EFX plus one main parameter control, Effect 2 with tap delay and foot switch jacks
- Direct out with pre-EQ switch for multi-track recording
- Rec out with independent trim control
- Talkback mic built-in
- 4 stereo aux return, each with to aux 1~4 (effect to monitor)
- Group 1-4 and Aux 1-4, Main fader and control room volume control can be swapped for monitor console use
- Variable LPF on mono output for subwoofer
- Seven 12-segment level meters for main, group or aux
- 3-band with swept mid-range ch EQ on mono channel
- 6 aux mixing bus, two pairs with pre/post switch
- On, Peak/Solo and Signal indicators on each input channel
- Pad/Line in switch on mono channels
- Stereo channel with XLR mic in, 1/4" and RCA line inputs
- 12V gooseneck lamp socket for working on dark place
- Main stereo and mono out with XLR jacks and inserts
- 859 x 105 x 544 mm (33.8" x 4.2" x 21.4") \ 15.5 kg (34.1 lbs)

SONIC STATION 32

SONIC STATION 32
28-Mic/Line 2-Stereo 4-Bus Mixing Console with Dual DFX

▸ 30 Mic preamps
▸ Dual digital effect engines, each with 16 programs plus one main parameter control, tap delay and foot switch jacks
▸ 28 direct outputs with pre-fader switch for multi-track recording
▸ Rec out with independent trim control
▸ Talkback Mic built-in
▸ Four stereo AUX returns, each with switches to route signal to AUX 1-4 (effect to monitor)
▸ Groups 1-4 and AUX 1-4 can be swapped for monitor console use
▸ Variable LPF on mono output for subwoofer
▸ Six 12-segment level meters for main, group or AUX
▸ Independent solo level control
▸ 3-band channel EQ with swept mid-range on mono channels, 4-band EQ on stereo channels
▸ Six AUX mixing bus, two pairs with pre/post switch
▸ ON, SIGNAL and PEAK/SOLO LED indicators on each input channel
▸ Pad switch on mono channels
▸ Stereo channel with XLR, 1/4" and RCA inputs
▸ 12V gooseneck lamp socket for dark working environments
▸ Main stereo and mono out with XLR jacks and inserts
▸ 1158 x 105 x 544 mm (45.6" x 4.2" x 21.4") \ 18 kg (39.7 lbs)

SONIC STATION 50
24-Mic/Line 4-Stereo 8-Bus 2-Matrix Mixing Console

▸ Extremely low noise pre-amplifiers
▸ 24 mono Mic/Line input channels
▸ 4 stereo line input channels
▸ 8 true groups with PAN control, L/R assign, solo switch and insert point
▸ CENTER and MAIN L/R master faders
▸ Subwoofer output
▸ USB input and output
▸ 2 matrix outputs with insert points
▸ 8 auxiliary mix sends with PRE/POSTswitches
▸ AUX/GROUP reverse function
▸ 12-segment channel level meter
▸ 3-band swept midrange EQ with in/out switch on each mono input channel
▸ 4-band EQ with in/out switch on each stereo input channel
▸ +48V phantom power divided into 5 groups
▸ Phase reversal and low cut switch on each mono input channel
▸ Group 1/2, 3/4, 5/6, 7/8 or L/R mix routing switches
▸ On buttons on each input channel
▸ 4 stereo aux returns with routing switches, balance control and effect to monitor
▸ Built-in talkback microphone can be assigned to L/R, GROUP or Aux out
▸ 1158 x 105 x 544 mm (45.6" x 4.2" x 21.4") \ 16.3 kg (35.9 lbs)

ANALOG MIXERS / SONIC STATIONS

AM SERIES

3-band semi-parametric EQ

Pre/Post AUX switch

High-definition Digital Effects

Flexible Subgroups and Auxiliaries

AM 844D USB

The Phonic AM analog mixers are true workhorses of the pro audio industry, offering 5 to 24 mono Mic/Line and stereo input channels in solid, low-profile casings. When selecting your AM mixer, you are able to choose from an abundance of additional features. Do you need digital effects? Then check out the AM 'D' models. Do you want to make quality stereo recordings of your audio on the computer? Then the AM 'USB' models may be more your speed. Prefer a rack mounted or desktop mixer? The AM series has all of the above. Add to this the low-cut filters, multi-band EQs, multi-segment level meters and ultra low-noise pre-amps, and you have yourself a reliable, feature-packed family of mixers.

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

▸ 1 mic/line and 2 stereo channels
▸ 2-band EQ on mono input channel
▸ 2T RTN & 2T REC for CD or tape recorder
▸ Dual 4-segment master level meter
▸ Headphones output with volume control
▸ Peak LED on mono input channel
▸ Balanced master output
▸ 156 x 51 x 244 mm (6.2" x 2" x 9.6") \ 1.1 kg (2.4 lbs)

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

▸ 2 mic/line inputs with 3-band EQ
▸ 2 stereo inputs with 3-band EQ
▸ One stereo AUX return
▸ Post-fader EFX send on every input
▸ Global +48V phantom power
▸ Peak and VU Metering
▸ Peak indicators on each mono input channel
▸ 2T RTN assignable individually to Main or Control Room
▸ Stereo EFX send cue for ease of monitoring individual channel
▸ Balanced master output
▸ 190 x 56 x 233 mm (7.5" x 2.2" x 9.2") \ 1.5kg (3.3 lbs)

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

▸ 2 balanced mic/line inputs with 3-band EQ and low cut
▸ 4 stereo inputs with +4/-10 select button
▸ Post-fader AUX send on every input
▸ Global +48V Phantom Power
▸ CTRL RM and headphones outputs
▸ Peak indicators on each mono input channel
▸ Convenient RCA stereo I/O
▸ Stereo AUX/EFX send cue for better monitoring individual channel
▸ Balanced master output
▸ 190 x 56 x 233 mm (7.5" x 2.2" x 9.2") \ 1.5kg (3.3 lbs)

AM 105FX
2-Mic/Line 4-Stereo Compact Mixer with DFX

▸ 2 balanced Mic/Line inputs with 3-band EQ and low cut
▸ 4 stereo inputs with +4/-10 select button
▸ Post-fader AUX send on every input
▸ Global +48V Phantom Power
▸ CTRL RM and headphones outputs
▸ Peak indicators on each mono input channel
▸ Convenient RCA stereo I/O
▸ Simple one-touch multi delay effect with parameter control for easy and flexible application
▸ Balanced master output
▸ 190 x 56 x 233 mm (7.5" x 2.2" x 9.2") \ 1.5kg (3.3 lbs)

AM 240D
2-Mic/Line 4-Stereo Compact Mixer with EFX

- 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
- 32/40-bit DSP with 100 EFX + creative tap-delay and test-tones
- Separated EFX route control assignable to main or monitor
- Global +48V Phantom Power
- 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
- 190 x 56 x 233 mm (7.5" x 2.2" x 9.2") \ 1.5 kg (3.3 lbs)

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

- 4 mic/line channels
- 4 stereo channels
- AUX sends on every channel
- 75Hz low-cut filter on mono channel
- 3-band EQ on each channel
- +48V phantom power on mic channels
- Control room/Phones source matrix for maximum monitor flexibility
- EFX/AUX send cue for monitoring individual channel
- Balanced TRS output
- 242 x 55 x 255 mm (9.5" x 2.2" x 8.9") \ 1.7 kg (3.8 lbs)

AM 125FX
4-Mic/Line 4-Stereo Compact Mixer with DFX

- 4 mic/line channels
- 4 stereo channels
- Aux sends per channel
- 75Hz low-cut filter on mono channel
- 3-band EQ on each channel
- Simple one-touch multi delay effect with parameter control for easy and flexible application
- +48V phantom power on mic channels
- Control room/Phones source matrix for maximum monitor flexibility
- EFX/AUX send cue for monitoring individual channel
- 242 x 55 x 255 mm (9.5" x 2.2" x 8.9") \ 1.7 kg (3.8 lbs)

AM 440D
4-Mic/Line 4-Stereo Compact Mixer with EFX

- 4 mono mic/line channels
- 4 stereo channels
- 32/40-bit digital stereo multi-effect processor with 100 programs + tap delay
- AUX sends on each channel
- 75Hz low-cut filter on mono channel
- 3-band EQ on each channel
- +48V phantom power on mic channels
- Control Room/Phones source matrix for maximum monitor flexibility
- EFX/AUX send cue for monitoring individual channel
- Balanced main outputs with 60mm fader
- 242 x 55 x 255 mm (9.5" x 2.2" x 8.9") \ 1.7 kg(3.8 lbs)

AM 442D USB
4-Mic/Line 4-Stereo 2-Group Mixer with DFX & USB Interface

- Stereo USB audio interface for PC and Mac computers
- 4 Mic/Line channels with inserts and phantom power
- 4 stereo channels with 4-band EQ
- 3-band EQ with swept mid-range plus low cut on each mono channel
- 2 aux sends, aux 1 with Pre/Post switch
- 32/40-bit digital effect processor with 100 programs + tap delay
- 2 true subgroups with Main L and R routing switches
- 2 stereo aux returns with effect to monitor level control
- Solo feature on each input and output
- XLR connectors available on main L / R output
- Convenient stereo RCA I/O 2T input with level control
- Built-in switching power supply with universal connector, 100-240VAC, 50/60Hz
- Rack-mounting kit included
- 300 x 89 x 340 mm (11.8" x 3.5" x 13.3") \ 4.2 kg (9.3 lbs)

AM 642D USB
6-Mic/Line 4-Stereo 2-Group Mixer with GEQ, DFX & USB Interface

- Stereo USB interface compatible with PC and Mac computers
- 6 Mic/Line channels with inserts, phantom power and compressor
- 4 stereo channels with 4-band EQ
- 3-band EQ with swept mid-range plus low cut on each mono channel
- 3 AUX sends, one with Pre/Post switch
- 32/40-bit digital stereo multi-effect processor with 100+ tap delay plus foot switch
- Stereo 9-band graphic EQ, assignable to main mix or aux 1 send
- 2 true subgroups with main L and R routing switches
- 2 stereo aux returns with effect to monitor level control
- Solo feature on each input and output
- XLR connectors available on main L / R output
- Built-in switching power supply with universal connector, 100-240VAC, 50/60Hz
- Rack-mounting kit included
- 407 x 89 x 357 mm (16" x 3.5" x 14") \ 4.8 kg (10.6 lbs)

AM 844D USB
8-Mic/Line 4-Stereo 4-Group Mixer with DFX & USB Interface

- Stereo USB interface for PC or Mac recording
- 8 Mic/Line mono channels with direct outs, 3-band EQ and compressor
- 4 stereo channels (two with Mic input)
- 10 Mic preamps
- Direct Outputs for Multitrack recording
- 3 band EQ with swept mid range plus low cut on each mono channel
- 18dB/oct, 75Hz Low Cut Filter on each mic channels
- 4 AUX Sends, AUX 1 & 2 with Pre/Post selector
- 32/40-bit digital stereo multi-effect processor with 100 programs, tap-delay and test-tones
- 4 stereo AUX Returns
- Solo selector on each input channel
- CTRL RM Phones with multi input source matrix selector
- 8 Subgroups with Fader control and L-R assign buttons
- Record Output
- 2T return with control level and TO MAIN L/R assign button
- Built-in switching power supply with universal connector, 100-240VAC, 50/60Hz
- 12V XLR Connector for gooseneck lamp
- Solo switch selector for AUX Returns
- 418 x 140 x 438 mm (16.5" x 5.5" x 17.2") \ 5.9 kg (13 lbs)

AM SERIES

AM 1221X
16-Input 2-Bus Mixer with DFX

- Multiple low-noise mic preamps
- Mono channels have 3-band EQ with swept mid-range, 75Hz (18 dB/octave) low-cut filter, inserts and phantom power
- Two stereo channels with 4-band EQ
- 4 AUX sends, AUX 1 & 2 with XLR and 1/4" phone output jacks
- 32-bit digital stereo multi-effect processor with 16 programs, parameter control and foot switch jacks
- 2 stereo AUX returns with effect to monitor
- Low cut on each mono channel
- PAD control on all mono channels
- Main Stereo and Mono output with XLR and 1/4" phone jacks
- Mono output with variable low pass filter for subwoofer
- Tape input can be routed to AUX 1 and AUX 2
- Mini stereo I/O for MD, MP3 player/recorder
- Built-in switching power supply with universal connector, 100-240VAC 50/60Hz
- 642 x 112 x 437 mm (25.3" x 4.4" x 17.2") \ 8.7 kg (19.1 lbs)

AM 1621X
20-Input 2-Bus Mixer with DFX

- Multiple low-noise mic preamps
- Mono channels have 3-band EQ with swept mid-range, 75Hz (18 dB/octave) low-cut filter, inserts and phantom power
- Two stereo channels with 4-band EQ
- 4 AUX sends, AUX 1 & 2 with XLR and 1/4" phone output jacks
- 32-bit digital stereo multi-effect processor with 16 programs, parameter control and foot switch jacks
- 2 stereo AUX returns with effect to monitor
- Low cut on each mono channel
- PAD control on all mono channels
- Main Stereo and Mono output with XLR and 1/4" phone jacks
- Mono output with variable low pass filter for subwoofer
- Tape input can be routed to AUX 1 and AUX 2
- Mini stereo I/O for MD, MP3 player/recorder
- Built-in switching power supply with universal connector, 100-240VAC 50/60Hz
- 774 x 112 x 437 mm (30.5" x 4.4" x 17.2") \ 10.5 kg (23.1 lbs)

AM 2442FX
24-Input 4-Bus Studio/Live Mixer with Digital EFX and GEQ

- 24-input, 4-bus studio/live mixer
- Inputs: 16 mic/line, 4 Stereo
- 40-bit digital stereo multi-effect processor with 100 programs
- 9-band stereo graphic EQ
- 2 stereo input channels with 4-band EQ
- 2 additional stereo input channels with level and prefader AUX facilities
- 3-band EQ plus switchable low-cut filter on all mono channels
- Inserts on each mono channel and main mix
- 4 subgroups and additional mono output
- 4 AUX sends per channel
- Clip indication and gain level set LEDs plus mute switches for each channel
- Solo-In-Place and Pre-Fader-Listen functions
- Full-featured talkback section
- Standby switch mutes all mic channels during breaks
- CD/tape inputs for playing break music
- Internal switching power supply with universal connector, 100-240V, 50/60Hz
- 682 x 100 x 410 mm (26.85" x 3.94" x 16.14") \ 8.5kg (18.7 lbs)

AM 3242FX
32-Input 4-Bus Studio/Live Mixer with Digital EFX and GEQ

- 32-input, 4-bus studio/live mixer
- Inputs: 24 mic/line, 4 Stereo
- 40-bit digital stereo multi-effect processor with 100 programs
- 9-band stereo graphic EQ
- 2 stereo input channels with 4-band EQ
- 2 additional stereo input channels with level and prefader AUX facilities
- 3-band EQ plus switchable low-cut filter on all mono channels
- Inserts on each mono channel and main mix
- 4 subgroups and additional mono output
- 4 AUX sends per channel
- Clip indication and gain level set LEDs plus mute switches for each channel
- Solo-In-Place and Pre-Fader Listen functions
- Full-featured talkback section
- Standby switch mutes all mic channels during breaks
- CD/tape inputs for playing break music
- Internal switching power supply with universal connector, 100-240V, 50/60Hz
- 896 x 100 x 410 mm (35.28" x 3.94" x 16.14") \ 11.5kg (25.4 lbs)

XP AMPLIFIERS

For peace of mind on your tours look no further than the Phonic XP series of power amplifiers. Super efficient and built-to-last, the XP series has been Phonic's flagship series of amplifiers for years – and those who have an XP swear by it. The XP amplifiers provide clean, burly power into low loads. Advanced onboard protection circuitry shields the unit from external interferences while the quick recovery circuitry and variable speed fans ensure it performs flawlessly in gigs. With models ranging from 1000 to 5000 Watts, the XP series is indispensible to any live setup.

FEATURE OVERVIEW

▸ Front-mounted gain controls
▸ High continuous current output from robust toroidal transformer
▸ Bridge mono and parallel mode LEDs
▸ Fast Recovery design for lower distortion if clipping occurs
▸ Active balanced inputs for low noise
▸ Signal level at -40, -20, -10, protect and clip LED indicators to monitor performance

▸ Ground Lift switch to prevent humming
▸ Selectable stereo, parallel & bridge mono amp modes
▸ Two ventilation variable speed fans
▸ Speakon-type connectors and 5-way binding posts speaker outputs
▸ XLR & 1/4" TRS connectors for maximum input flexibility
▸ Fits a standard 19" rack

XP 1000
1120W Power Amp

▸ Output Power: 560W @ 2 ohms stereo, 440W @ 4 ohms stereo
▸ Requires two standard rack units for mounting
▸ 482 x 89 x 367 mm (19" x 3.5" x 14.4") \ 17.5 kg (38.5 lbs)

XP 3000
2800W Power Amp

▸ Output Power: 1400W @ 2 ohms stereo, 1100W @ 4 ohms stereo
▸ Requires three standard rack units for mounting
▸ 482 x 133 x 376 mm (19" x 5.25" x 14.8") \ 24.2 kg (53.3 lbs)

XP 2000
1920W Power Amp

▸ Output Power: 960W @ 2 ohms stereo, 660W @ 4 ohms stereo
▸ Requires two standard rack units for mounting
▸ 482 x 133 x 376 mm (19" x 5.25" x 14.8") \ 21.8 kg (48 lbs)

XP 5000
5000W Power Amp

▸ Output Power: 2500W @ 2 ohms stereo, 1800W @ 4 ohms stereo
▸ High-current toroidal transformers for greater two-ohm power and low noise
▸ Independent user-defeatable clip limiters reduce distortion
▸ XLR, 1/4" and barrier strip inputs all included
▸ Requires three standard rack units for mounting
▸ 482 x 133 x 415 mm (19" x 5.2" x 16.3") \ 28.2 kg (62 lbs)

XP5000

iAMPs

The all-new Phonic iAMP amplifiers offer digital amplification at its finest, providing 1600 to 3000 Watts of sheer power into loads as low as 2 ohms. The high-speed, high resolution class D circuitry works with the sturdy, low-weight construct to create an amplifier strong enough for permanent, small to mid-sized installations. Input to the iAMP is flexible, with the unit accepting both XLR and 1/4" balanced inputs via the onboard combo jacks, and professional-grade Speakon jacks are provided for output to speakers.

FEATURE OVERVIEW

- High resolution class D topology for superior performance and low weight
- Exceptionally flat frequency response between 10 Hz – 50 kHz
- Input achieved through combo jacks accepting 1/4" and XLR connectors
- Professional Speakon output connectors
- User selectable high pass and subwoofer filters
- Variable speed fans and well ventilated construct

iAMP 1620
1600 Watt Digital Amplifier

- 2 x 800 Watts at 2 ohms

iAMP 3020
3000 Watt Digital Amplifier

- 2 x 1500 Watts at 2 ohms

ICON AMPLIFIERS

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, cost effective solution for any audio installation.

ICON 700

ICON 300
300W Contractor Amp

- Output power: 2 x 150W @ 70V or 100V
- Automatic dual-speed, high-efficiency cooling fan
- XLR and barrier strip inputs
- Full short-circuit, temperature and DC offset protection
- Toroidal output transformers provide full electrical isolation and meet worldwide safety standards
- 132 × 482 × 428 mm (5.2" x 19" x 16.9") \ 20.2 Kg (44.5 lbs)

ICON 700
700W Contractor Amp

- Output power: 2 x 350W @ 70V or 100V
- Automatic dual-speed, high-efficiency cooling fan
- XLR and barrier strip inputs
- Full short-circuit, temperature and DC offset protection
- Toroidal output transformers provide full electrical isolation and meet worldwide safety standards
- 132 × 482 × 428 mm (5.2" x 19" x 16.9") \ 24.3 Kg (53.5 lbs)

MAX SERIES

Why is the series named MAX, you ask? The Phonic MAX amplifiers provide maximum power output, maximum audio quality, and maximum reliability! The entire series offers robust power in sturdy, bulletproof* constructions built to withstand the rigors of regular use on the road or in installations. Both XLR and 1/4" inputs are present, and output is achieved through professional speakon speaker jacks and traditional binding posts, ensuring versatile operation. Combine the MAX amplifiers with a pair of Phonic passive speakers and you have the makings of a powerful audio system.

MAX 2500 PLUS

FEATURE OVERVIEW

- Studio quality performance with very low noise and wide dynamic range
- Class H high efficiency circuitry design
- Ultra-low total harmonic distortion
- High damping factor provides exceptional loudspeaker motion control
- Detented level controls for precise repeatability
- Signal and CLIP indicators to monitor performance
- 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
- One rack unit

MAX 250
160W Power Amp

- Output power: 80W @ 4 ohms stereo, 60W @ 8 ohms stereo
- 482 x 44 x 250 mm (19" x 1.75" x 9.84") \ 6.7 kg (14.8 lbs)

MAX 500
240W Power Amp

- Output power: 120W @ 4 ohms stereo, 90W @ 8 ohms stereo
- 482 x 44 x 340 mm (19" x 1.75" x 13.3") \ 7.85 kg (17.3 lbs)

FEATURE OVERVIEW

- 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

MAX 860 PLUS
600W Power Amp

- Output power: 300W @ 4 ohms stereo, 200W @ 8 ohms stereo
- 482 x 88 x 415 mm (19" x 3.46" x 15.9") \ 14.6 kg (32.2 lbs)

MAX 1500 PLUS
900W Power Amp

- Output power: 450W @ 4 ohms stereo, 280W @ 8 ohms stereo
- 482 x 88 x 415 mm (19" x 3.46" x 15.9") \ 15.5 kg (34.2 lbs)

MAX 2500 PLUS
1500W Power Amp

- Output power: 750W @ 4 ohms stereo, 500W @ 8 ohms stereo
- 482 x 88 x 415 mm (19" x 3.46" x 15.9") \ 18 kg (39.7 lbs)

SIGNAL PROCESSORS

GEQ 1502F

15-band Stereo Graphic Equalizer

▸ Professional-quality 15-band stereo graphic equalizer for live and studio application
▸ Also includes 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
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.0 kg (4.4 lbs)

PCX 3000

High Precision Stereo 2-Way Mono 3-Way Crossover

▸ Professional, high-precision stereo 2-way/mono 3-way crossover with separate subwoofer output
▸ Separate subwoofer section with independent frequency control
▸ World-class performance 24dB per octave Linkwitz-Riley filters
▸ Absolutely flat summed amplitude response, zero phase difference
▸ Individual output level controls for all bands
▸ Individual output mutes for easy band adjustment
▸ Individual phase reverse switches for instant phase correction
▸ Switchable 25Hz subsonic filter on each input for low frequency driver protection
▸ Balanced XLR connectors for all inputs and outputs
▸ High precision potentiometers for accuracy and repeatability
▸ Low-noise audio operational pre-amplifiers for outstanding sound performance
▸ Illuminated switches for operation in dark environments
▸ High-quality components and exceptionally rugged construction for prolonged reliability
▸ Shielded toroidal mains transformer for minimal noise interference
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.1 kg (4.6 lbs)

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
▸ 482 × 44 × 145 mm (19" × 1.75" × 5.7") \ 2.2 kg (4.85 lbs)

PCX 4000

High Precision Stereo 2/3-Way Mono 4-Way Crossover

▸ World-class performance 24dB per octave Linkwitz-Riley filters
▸ Absolutely flat summed amplitude response, zero phase difference
▸ Individual limiter on each output for optimal loudspeaker protection
▸ "Low Sum" function provides low-level mono output for subwoofer operation
▸ Adjustable time delay for phase alignment between drivers
▸ CD horn equalization for constant directivity horn compensation
▸ Individual output level controls for all bands
▸ Individual output mutes for easy band adjustment
▸ Individual phase reverse switches for instant phase correction
▸ Switchable 25Hz subsonic filter on each input for low frequency driver protection
▸ Balanced XLR connectors for all inputs and outputs
▸ Precision potentiometers for ultimate accuracy and repeatability
▸ Low-noise audio operational pre-amplifiers for outstanding sound performance
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.2 kg (4.85 lbs)

PCL 2700

2-Channel Dynamic Processor with Expander, Gate, Compressor and Limiter

▸ Program-adaptive compression circuitry combines advantages of both hard-knee and soft-knee operation
▸ De-esser with male/female voice recognition to remove excessive sibilance from vocals
▸ Superior peak limiting circuitry combines clip and limiter programs for reliable protection against signal peaks
▸ Quality expander/gate circuitry for inaudible noise suppression
▸ Separate LED meters for input/output levels and gain reduction
▸ Balanced inputs and outputs with 1/4" TRS and XLR connectors
▸ Relay-controlled hard bypass switch with auto bypass function in case of power failure
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.1 kg (4.6 lbs)

PCL 4700

4-Channel Dynamic Processor with Expander, Gate, Compressor and Limiter

▸ Program-adaptive compression circuitry combines advantages of both hard-knee and soft-knee operation
▸ Quality expander/gate circuitry for inaudible noise suppression
▸ Superior peak limiting circuitry combines clip and limiter programs for reliable protection against signal peaks
▸ Separate LED meters for input/output levels and gain reduction
▸ Selectable operating level (+4 dBu / -10 dBV)
▸ Balanced inputs and outputs with 1/4" TRS and XLR connectors
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.2 kg (4.85 lbs)

i7100

Digital Feedback Eliminator

▸ 24 fully programmable parametric filters can be set manually
▸ Auto Mode constantly monitors the mix and automatically resets the filters
▸ Manual Mode provides each channel with up to 12 fully parametric filters
▸ Single-Shot, Auto, and Manual modes can be assigned to each individual filter
▸ Most recent changes are automatically stored and kept, even after the power is off
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.2Kg (4.8lbs)

i7300

Digital Multi Reverb

▸ 24-bit A/D and D/A converters with 256/512 times over sampling for high headroom and resolution
▸ Internal 32-bit processor with 44.1 kHz sampling rate
▸ True stereo performance and variable stereo image parameters
▸ 100 factory programs and 100 user programs
▸ Dual 10-segment LED level meters
▸ Balanced XLR and 1/4" TRS inputs and outputs
▸ Operating levels of +4 dBu and -10 dBV independently selectable for input and output
▸ Foot switch connector for hands-free program selection and bypass
▸ MIDI capability allowing real-time program selection and dump
▸ Dedicated rotary controls and illuminated buttons for quick and easy operation
▸ Large LCD display
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.5 kg (5.5 lbs)

PCR 2213 ⓟLUS

Active Crossover

▸ Stereo 2-way or mono 3-way operation
▸ 24 dB/octave Linkwitz-Riley filters with zero phase error at crossover frequencies
▸ Perfect flat summed amplitude response at all crossover frequencies
▸ Independent limiters on all outputs with pre-defined time parameters
▸ Latching mute push Buttons on all outputs, vital during setting up and troubleshooting
▸ LED indication on all important switching functions for easy status identification
▸ Crossover frequencies continuously variable from 80 - 8000 Hz
▸ Time/phase alignment via polarity switches and 4 ms time delay controls
▸ Switchable horn EQ curve to compensate the HF roll-off
▸ RF and Subsonic input filters
▸ High precision components and potentiometers ensure excellent quality and accuracy of settings
▸ Balanced XLR inputs and outputs
▸ 482 × 44 × 167 mm (19" × 1.75" × 6.57") \ 3.21kg (7.1 lbs)

iA231F

Dual Channel Digital 31-Band Graphic Equalizer

▸ 30 mm VR Sliders for precise adjustment
▸ Feedback Detection System instantly reveals critical frequencies
▸ Additional HPF filter removes unwanted frequencies
▸ Switchable boost/cut range between 6 dB and 12 dB
▸ EQ IN/OUT switch
▸ I/O Level meter switch
▸ Dedicated mono subwoofer output with adjustable crossover frequency
▸ +15 dB to -oo input gain range for easy level matching
▸ 8-segment LED meter with clip warning for input
▸ Illuminated faders
▸ Relay-controlled bypass
▸ Channel-link function
▸ Balanced inputs and outputs with 1/4" TRS and XLR connectors
▸ Built-in limiter control from -20 dB to +20 dB (OFF)
▸ 482 x 88 x 182 mm (19" x 3.5" x 7.2") \ 3.2 kg (7.1 lbs)

i7600

Dual 30-Band 1/3 Octave Digital Graphic Equalizer with RTA

▸ Dual-channel 30-band real-time spectrum analyzer (RTA)
▸ 24-bit A/D and D/A converters with 256/512 times over sampling for high headroom and resolution
▸ Internal 32-bit/44.1 KHz processor
▸ Provides 12 dB of boost or cut
▸ Channel-link function
▸ Stores up to 60 programs: 30 factory-set, 30 user-defined
▸ Selectable unit of measurement for RTA line signal: dBu or dBV
▸ Six view range options for band-level measurement
▸ Six response time options
▸ Peak-hold options: permanent and none
▸ Three weighting options: A weighting, C weighting, and flat
▸ Pink noise generator outputs balanced test signals at 0 dB
▸ Bypass function
▸ Variable low-pass filter (LPF) and high-pass filter (HPF)
▸ Balanced XLR and 1/4" TRS inputs and outputs
▸ Operating levels of +4 dBu and -10 dBV independently selectable for input and output
▸ 780 bright LED indicators
▸ Rack mountable in one rack-space chassis
▸ 482 x 44 x 206 mm (19" x 1.75" x 8") \ 2.5 kg (5.5 lbs)

SIGNAL PROCESSORS

DFX 2000
Digital Effect Processor

▸ 101 amazing algorithms in true stereo with 40-bit DSP engine
▸ High-Definition reverb algorithms for natural-sounding reverb and delay
▸ 49 effect combinations with selectable serial/parallel configuration
▸ Up to 7 adjustable parameters, plus High and Low Equalization
▸ High-resolution 24-bit A/D and D/A converters
▸ 100 factory presets plus 100 user-definable memory locations
▸ Extensive MIDI implementation
▸ LED level meters
▸ Balanced XLR and 1/4" TRS inputs and outputs
▸ 482 x 44 x 206 mm (19" x 1.75" x 8") \ 2.5 kg (5.5 lbs)

DYN 2000
2-Channel Dynamic Processor with Expander, Gate,Compressor and Limiter

▸ Stereo or Dual Mono operation of gating, compression and peak limiting
▸ Expander/Gate Circuit with variable release time and +15dBu maximum threshold
▸ Hard Knee Selection allows selection between compression curve and the classic Hard Knee curve
▸ Low Frequency Shelf (via Contour button) in the Sidechain Path function
▸ Limiting - provides control of maximum peak levels at output regardless of other controls
▸ Peak Limiter comes after the compression, gating and other circuitry including the output gain
▸ True RMS Level Detection senses the power in the program, giving results superior to peak or average detection
▸ Bypass Buttons on both channels
▸ LED Display for Gain Reduction and output
▸ Balanced XLR and 1/4" TRS Input and Output Jacks
▸ Separate Sidechain Inserts enable an outboard processor or signal to control compression or gating
▸ 482 x 183 x 44 mm (19" x 7.2" x 1.75") \ 2.29 kg (5.05 lbs)

DB3
Active Direct Box with XLR and 1/4" inputs

▸ Professional, multi-functional DI box for all live and studio applications
▸ Ultra-flat frequency response
▸ Rugged metal housing with tough rubber corners for protection
▸ Internal battery automatically de-couples when using phantom power
▸ Low noise op amps for superior sound
▸ Gold-plated XLR connectors and phone jacks for input and link output
▸ 56 × 130 × 150 mm (2.2" × 5.1" × 5.9") \ 685 g (1.5 lbs)

PHA 4800
4-Channel Headphone Distribution Amplifier

▸ Professional multi-purpose headphones amplifier system for stage and studio applications
▸ Four independent high-power amplifier sections provide up to four stereo mixes
▸ Each input/aux section can be separately set to capture individual demands for more "me" mixing
▸ Multi-functional ST/2-CH switch on each channel allows for either stereo playback or double mono operation
▸ Ultra-musical high and low EQ per channel
▸ Output level control with accurate 4-digit LED output meter on each channel
▸ One front and two rear stereo 1/4" TRS outputs per channel
▸ Main stereo XLR and 1/4" TRS input and output channels
▸ Ultra low-noise operational amplifiers for outstanding audio performance
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.3 kg (5.1 lbs)

PHA 8800
8-Channel High-Power Headphone Distribution Amplifier

▸ Professional multi-purpose headphones amplifier system for stage and studio application
▸ Eight totally independent stereo high-power amplifier sections in one rack space
▸ Two stereo main inputs for two independent mixes, accessible from all eight channels
▸ Eight independent direct inputs provide up to eighth individual stereo mixes
▸ Output level control and accurate LED output meter on every channel
▸ Mono/stereo switch per channel for more flexibility
▸ Direct input connector on each channel for easy connection of any sound source
▸ Paralleled outputs allow cascading of several headphones amplifiers
▸ Toroidal transformer for noiseless operation and low magnetic interference
▸ 482 × 44 × 208 mm (19" × 1.75" × 8.2") \ 2.4 kg (5.3 lbs)

PPC8000(E) / PPC9000(E)
Power Conditioner with Light Modules

▸ 8 switched outlets on the rear of the unit
▸ 2 additional outlets found on rear of 'E' models
▸ Single, unswitched outlet on the front
▸ Two swiveling light fixtures with dimmer switch for rack illumination
▸ RFI / EMI filtering
▸ Circuit Breaker with 15 amp rating (10 amp on 'E' models)
▸ Heavy-duty 14-gauge AC power cord
▸ Triple-mode varistor spike and surge protection
▸ 20-segment, line voltage meter reading from 90 to 128 VAC (PPC9000/PPC9000E only)
▸ 44 × 482 × 152 mm (1.75" × 19" × 6") \ 2.4kg (5.29 lbs)

PHONIC