Signal Processors

POWERPLAY P16

16-Channel Digital Personal Monitoring System

P16-M — 16-Channel Digital Personal Mixer

- 16-channel digital stereo mixer to create your personal monitor mix

- Ultra-intuitive "analog" operation with total recall and 16 presets for custom mixes

- State-of-the-art 24-bit D/A converters for premium audio quality

- 16 individual Channel Select buttons with dual LEDs for perfect overview

- Level and Pan/Spread control per channel with LED meter

- 3-band EQ per channel with mid-band frequency control

- Solo and Mute functions per channel

- Global Level and EQ controls plus Panic Mute function

- High power and "drummer proof" headphones output

- Fully adjustable limiter protects your ears and headphones

- Additional mono/stereo line output to connect your powered monitor

- MIDI IN port for real-time remote control of all channels by external MIDI device such as BEHRINGER BCF2000, BCR2000, etc.

- Standard CAT5e connection delivers power and 16 signals to each Personal Mixers

The BEHRINGER POWERPLAY P16 system is the easy, affordable way to give your musicians and vocalists what they really want—"more me!" P16-M Personal Mixers lets each performer take control of what they hear, allowing the engineer to concentrate on providing the audience with the best possible listening experience. Fast and easy to set up, a basic system can be installed and configured in a matter of minutes—and the system can be expanded to adapt to changing needs.

Tech-Free Zone

The P16-M's simple user interface makes it easy for even non-techies to dial-in the perfect monitor mix. For example, let's say the electric guitar is too loud in the lead vocalist's mix; they simply press the appropriate channel button (the one labeled E. GTR) and turn the Volume control to lower the guitar level in their mix. They can also adjust Pan (left to right mix), EQ (Bass, Mid with sweepable Freq control and Treble), and much more. All of these adjustments can be made without affecting anyone else's personal mix.

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POWERPLAY P16

- ULTRANET connector to daisy-chain up to forty-eight P16-M mixers for large systems (in conjunction with P16-D)

- Ultra-low system latency of less than 1 millisecond

- Powered via external power supply (included) or P16-I / P16-D

- Mounts easily on a mic stand with the P16-MB mic stand mount (not included)

P16-I — 16-Channel 19" Input Module with Analog and ADAT Optical Inputs

- Converts 16 analog inputs into 24-bit digital audio to be transmitted via standard CAT5e cable

- 2 x 8-channel ADAT optical inputs with auto detect and priority select

- 16 balanced, high-headroom TRS audio inputs

- State-of-the-art 24-bit A/D converters for premium audio quality

- 4-position gain switches per channel pair (-10, 0, +4, +22 dB)

- Digital inputs support 44.1 and 48 kHz sample rates

- Ultra-low system latency of less than 1 millisecond

- Signal Present and Clip LEDs per channel plus ADAT status LEDs

- Standard CAT5e connection delivers power and signals for up to 6 Personal Mixers

- ULTRANET expansion network connector (RJ45)

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Easy Installation

A basic installation consists of one P16-I audio interface, which connects to the main mixing console, and up to six P16-M Personal Mixers, creating a system big enough to equip a typical recording studio, a small to medium-sized band, or a worship team. You'll also need a few standard audio and CAT5 cables. The optional P16- MB mounting bracket allows the P16-M Digital Personal Mixer to be attached to any standard microphone, music or drum stand. The system can easily be expanded via the P16-D Digital ULTRANET Distributor, six of which can be combined to drive up to forty-eight P16-M Personal Mixers.

Extraordinary Value

The POWERPLAY P16 puts total control of the monitor system where it belongs— in the hands of the performers, freeing up the engineer to sculpt the perfect front-of-house mix. The POWERPLAY P16 system is the easy, affordable way to tame runaway stage volume and give your musicians and vocalists what they really want— "more me!"

POWERPLAY P16

- Internal autorange power supply for maximum flexibility (100 – 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving

P16-MB — Mounting Bracket for P16-M

- Mounting bracket for P16-M Digital Personal Mixer

- Attaches to standard mic, music or drum stands

P16-D — 16-Channel Digital ULTRANET Distributor

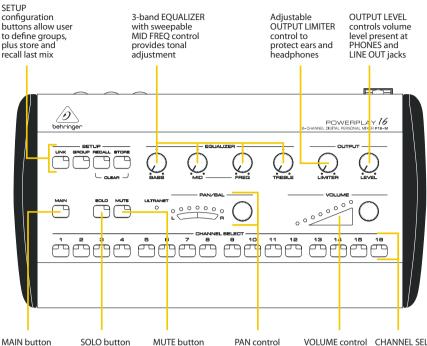Distribution Hub for P16-I for system expansion

- 1 ULTRANET input feeds 8 ULTRANET outputs (RJ-45)

- Provides bus-power and 16-channel signal transmission for all 8 outputs

- Up to six P16-D ULTRANET Distributors can be combined for a total of forty-eight P16-M Personal Mixers

- Status LED indicators for RJ-45 input and 8 RJ-45 outputs

- Internal autorange power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving

Common Features

- Extremely rugged construction ensures long life even under the most demanding conditions

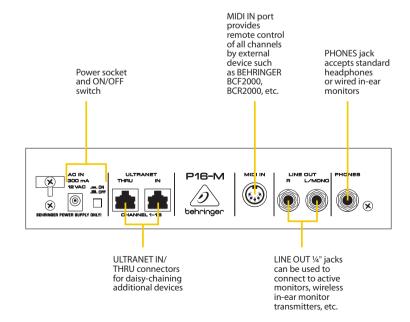- Conceived and designed by BEHRINGER Germany

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Front View Panel

SETUP configuration buttons allow user to define groups, plus store and recall last mix

3-band EQUALIZER with sweepable MID FREQ control provides tonal adjustment

Adjustable OUTPUT LIMITER control to protect ears and headphones

OUTPUT LEVEL controls volume level present at PHONES and LINE OUT jacks

MAIN button selects the MAIN stereo bus

SOLO button allows user to listen to selected inputs

MUTE button allows user to mute to selected input channel, stereo linked pair or pre-selected group of channels

PAN control with meter sets selected input placement within stereo image

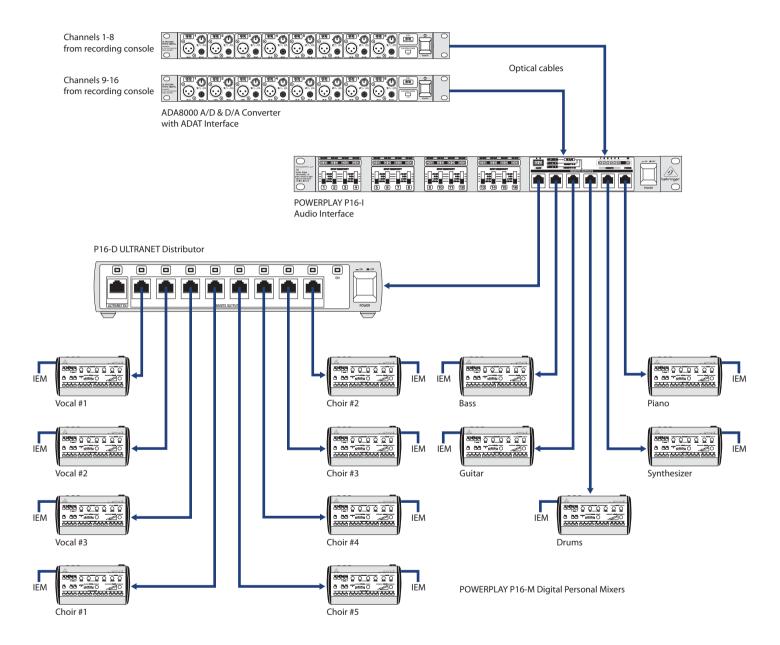VOLUME control adjusts level of selected input, stereo pair, group or MAIN stereo bus

CHANNEL SELECT buttons each with two LEDs (signal and clip) indicate currently selected single channel, stereo pair or pre-assigned groups
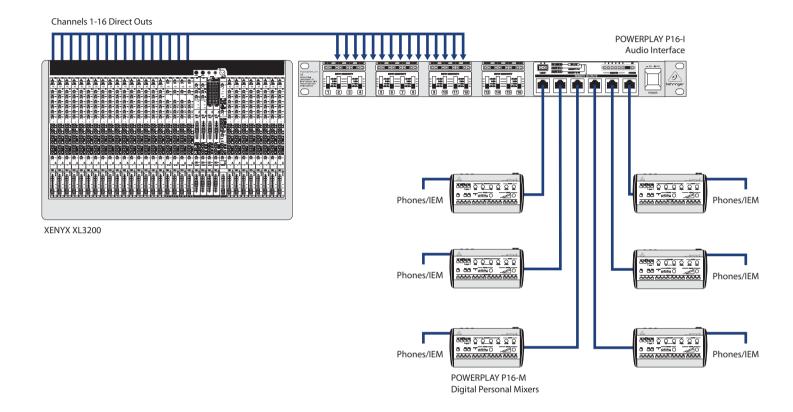
Rear View Panel

MIDI IN port provides remote control of all channels by external device such as BEHRINGER BCF2000, BCR2000, etc.

PHONES jack accepts standard headphones or wired in-ear monitors

Power socket and ON/OFF switch

ULTRANET IN/ THRU connectors for daisy-chaining additional devices

LINE OUT ¼" jacks can be used to connect to active monitors, wireless in-ear monitor transmitters, etc.

POWERPLAY P16

Live Performance Recording Hook-up

Channels 1-8
from recording console

Channels 9-16
from recording console

Optical cables

ADA8000 A/D & D/A Converter
with ADAT Interface

POWERPLAY P16-I
Audio Interface

P16-D ULTRANET Distributor

IEM — Vocal #1

IEM — Vocal #2

IEM — Vocal #3

IEM — Choir #1

IEM — Choir #2

IEM — Choir #3

IEM — Choir #4

IEM — Choir #5

IEM — Bass

IEM — Guitar

IEM — Drums

IEM — Piano

IEM — Synthesizer

POWERPLAY P16-M Digital Personal Mixers

POWERPLAY
P16

Basic Personal Monitor Hookup

Channels 1-16 Direct Outs

POWERPLAY P16-I
Audio Interface

XENYX XL3200

Phones/IEM

Phones/IEM

Phones/IEM

Phones/IEM

Phones/IEM

Phones/IEM

POWERPLAY P16-M
Digital Personal Mixers

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