

# PRO MIXER DX2000USB

**Professional 7-Channel DJ Mixer with infinium "Contact-Free" VCA Crossfader and USB/Audio Interface**

- Professional, 7-channel, ultra-low noise DJ mixer with state-of-the-art phono preamps
- 45-mm infinium "contact-free" optical crossfader with adjustable friction for years of use
- 5 dual stereo inputs plus 2 mono mic/line channels with ULN mic preamps, Phantom Power, Gain control and Clip LED
- Built-in USB interface for recording and playback of any digital music file. Works with your PC or Mac computer— no setup or drivers required
- Massive software bundle including Audacity vinyl restoration and recording, Podifier and Golden Ear podcasting software downloadable at [behringer.com](http://behringer.com)
- Ultra-musical 3-band kill EQ (-32 dB) with EQ on/off switch on all stereo channels
- Long-wearing 100-mm faders and sealed rotary controls on all input channels
- Headphone output with Level and Balance (PFL/Main) controls, switchable split mode and level display
- Auto-talkover function with separate Sensitivity, Time and Damping controls
- Main Dim, main Boost, Punch and Cut functions for awesome mix options



These days a DJ gig can command a lot more than a mic and a couple of turntables. You may need to accommodate a multimedia presentation, a variety of audio platforms (vinyl, CDs, mp3) and multiple mics—all at the same event! That's why BEHRINGER is proud to present the 7-channel, rack-mountable DX2000USB with its built-in USB/audio interface and contact-free optical crossfader—an invaluable tool for the DJ-of-all-trades.

The inclusion of the X1 optical crossfader in the DX2000USB represents tremendous added value. The "feel" of this crossfader can be custom-tailored to accommodate your individual mixing style, and the contact-free technology means silky-smooth performance for many years to come. We offer the X1 as a premium upgrade for our DDM4000 digital DJ mixers at \$74.99 USD, but it comes standard with the DX2000USB at no additional cost. Please visit our website to find out more about the X1 optical fader.

## Live Large With More Mediums!

If it can be clicked, spun or spoken, the new DX2000USB can mix it! You get 5 dual stereo inputs plus 2 mono mic/line channels with ultra low-noise mic preamps, Phantom Power, Gain control and Clip LED. The DX2000USB also has enough built-in phono preamps to handle up to three turntables. Finally, the built-in USB/audio interface gives you the power to add your computer's digital music library to the mix. Hey, we even include the rack-ears, so you're ready-to-go right out of the box!

## Old-school feel, new-school performance

The DX2000USB is packed with cutting-edge versatility, but we didn't lose sight of the basic features that make a DJ mixer a lasting part of your rig. This new breed of DJ mixer features super-smooth, long-wearing 100 mm faders and the infinium optical contact-free crossfader for

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- Subbass Out for separate subwoofer, additional Zone output for second room/area
- "Planet Earth" switching power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving
- Rack mount brackets included for ultimate flexibility
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

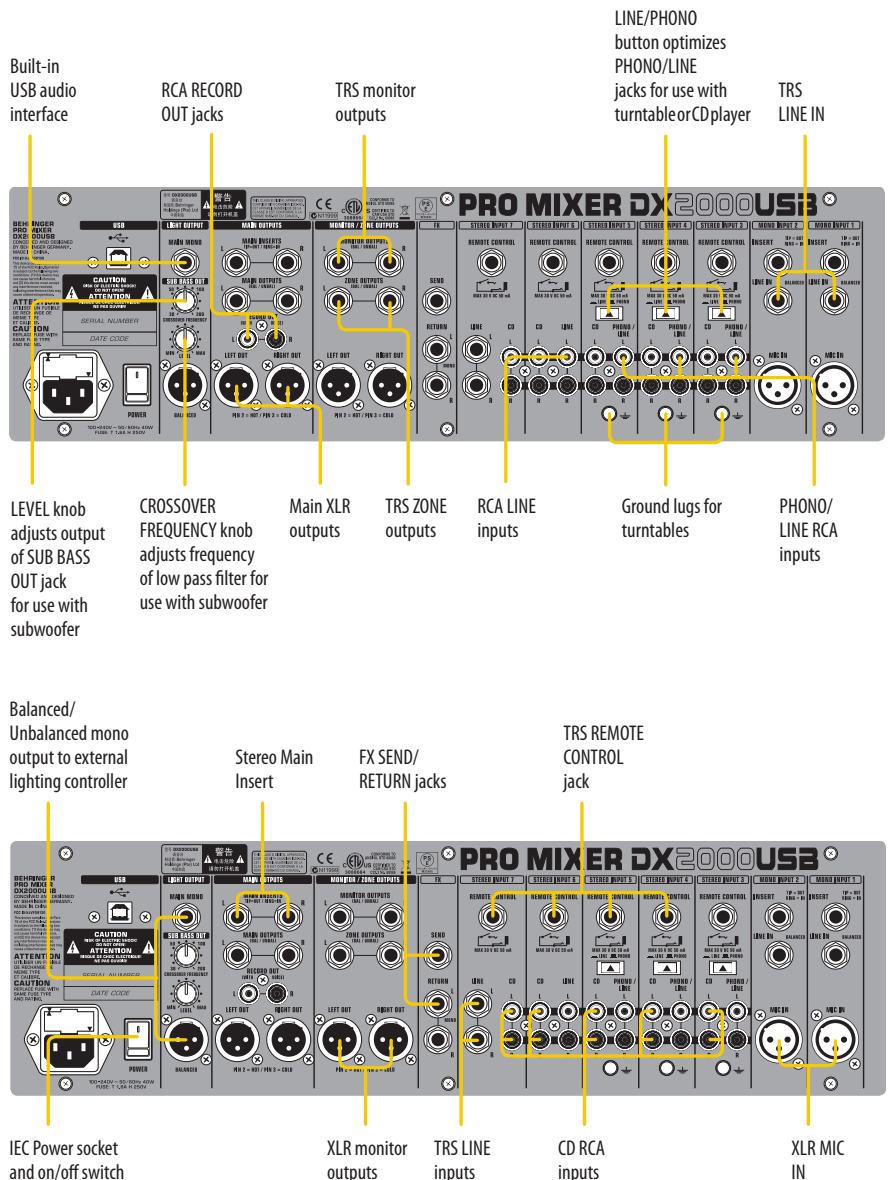
utmost reliability and smooth audio performance. It is important to note that since this premium crossfader is contact-free, there is none of the typically "wear and tear" that plagues mechanical faders, so your crossfades are always flawless—and will be for years to come.

The DX2000USB comes armed with a switchable 3-band kill EQ and Gain control per stereo channel. Mono channels feature an additional Low Cut switch and an FX switch that routes the channel to the FX SEND and RETURN loop, so you can add a touch of outboard effects. These channels feature balanced XLR mic inputs, as well as 1/4" line jacks, a Channel On button and a

PFL switch for headphone monitoring. The handy Talkover button allows you to make announcements without killing the music via three adjustable parameters, Sensitivity (speech level threshold), Time (speed at which the music level returns to normal) and Damping (depth the music is attenuated by the mic signal).

For the DJ in need of mammoth bass, the DX2000USB features an XLR subwoofer output (perfect for connecting to an active subwoofer) with adjustable (30 - 200Hz) Crossover Frequency dial and Level control. Directly above, the DX2000USB provides a 1/4" main mono output for syncing your music's strongest pulses with a

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lighting system, provided your lighting system has "sound-to-light" capability (e.g. BEHRINGER LC2412 Lighting Console). The Main Output section offers balanced 1/4" TRS and XLR stereo outputs, as well as 1/4" TRS Main Insert jacks for connecting to outboard EQ and dynamics processors, such as limiters and compressors. This section also features RCA outputs for recording your set. The Monitor/Zone Output section

gives you separate stereo 1/4" and XLR monitor outputs, as well as 1/4" stereo zone outputs, each with their own dedicated level controls. This feature gives the DX2000USB incredible zone mixing versatility, allowing you to send output signals to a variety of destinations, such as the lobby, restaurant or waiting areas, all the while maintaining total control.

music sources, or one source and silence. Another DJ trick is to use the channel faders, or channel on buttons, to chop one music track over another. These methods are still valid, but if you're looking for instant gratification, check out our ergonomic alternative—a pair of big assignable non-latching PUNCH/CUT buttons. We're sure you will grow to love their speed and ease of operation.

## Transforming with Punch and Cut

Transforming is a DJ term used to describe the chopping up of sound to create some rather dramatic effects. Traditionally this is done by rapidly moving a crossfader to give a stuttering or "gated" effect, either between two

The Punch and Cut modes are available via the TRANSFORM MODE button, with a pair of LEDs that let you know which function is active. The X and Y Punch/Cut buttons are conveniently located right next to the crossfader with which they are designed to work.

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The diagram shows the front panel of the Behringer Pro Mixer DX2000USB with the following labels and descriptions:

- Gain**: Input gain control for each channel.
- INPUT**: Button selects channel's audio source.
- FX button**: routes channel to FX SEND and RETURN loop.
- EQ ON**: Input selector for EQ.
- CD/PHONO**: input selector.
- DAMPING**: adjusts music level reduction when talkover is engaged.
- TIME knob**: adjusts how quickly the music volume recovers after talkover has been engaged.
- SENSITIVITY knob**: adjusts how loud mic signal must be to engage talkover.
- LEVEL METER**: displays left and right MAIN signal, PFL signal level.
- LIGHT LEVEL**: adjusts output level of mono LIGHT OUTPUT.
- LOW CUT** button: removes unwanted low frequencies.
- EQ knobs**: frequency response controls.
- PAN knob**: positions channel in stereo field.
- TALKOVER** button: activates talkover function.
- CHANNEL ON**: button sends channel to PFL bus.
- PFL button**: sends channel to PFL bus.
- CROSSFADER** button: routes signal to crossfader.
- CHANNEL fader**: adjusts channel volume.
- ASSIGN** button: assigns active channel to X or Y side of crossfader.
- TRACK START** button: allows remote control of commercial playback decks via built-in remote jacks.
- MAIN BOOST**: raises the main mix by +4 dB.
- MAIN DIM** button: reduces the main mix by -20 dB.
- PUNCH/CUT** buttons: assignable non-latching buttons for dramatic effects.
- infinium optical X/Y CROSSFADER**: main stereo crossfader.
- MAIN faders**: main stereo output level controls.
- MONITOR fader**: adjusts output of MONITOR OUTPUTS.
- ZONE LEVEL**: adjusts output of ZONE OUTPUTS.
- FX RETURN**: control for FX return signal.
- MAIN/PFL**: selects main stereo mix or PFL mix for phones.
- PHONES LEVEL**: control for headphones level.
- BALANCE**: adjusts blend of PFL and main signals in headphones.
- TRANSFORM MODE**: determines whether PUNCH/CUT buttons operate in CUT or PUNCH mode.

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CUT mode enables the big buttons to be used as mutes for interesting gating effects, temporarily silencing the X or Y output. In PUNCH mode the X button introduces the X signal to the mix, while the Y button brings in the Y signal. This means you can add in bits and beats from X on top of Y and vice versa, opening up your scope to extremely creative mixing.

## MAIN DIM and MAIN BOOST

You can add even more dramatic effects by using the MAIN BOOST and MAIN DIM buttons for a temporary boost (+4 dB) or cut (-20 dB) of the main output volume. For instance, you could use MAIN DIM for audience sing-along bits—or you could use MAIN BOOST to emphasize beats, a special musical passage, etc.

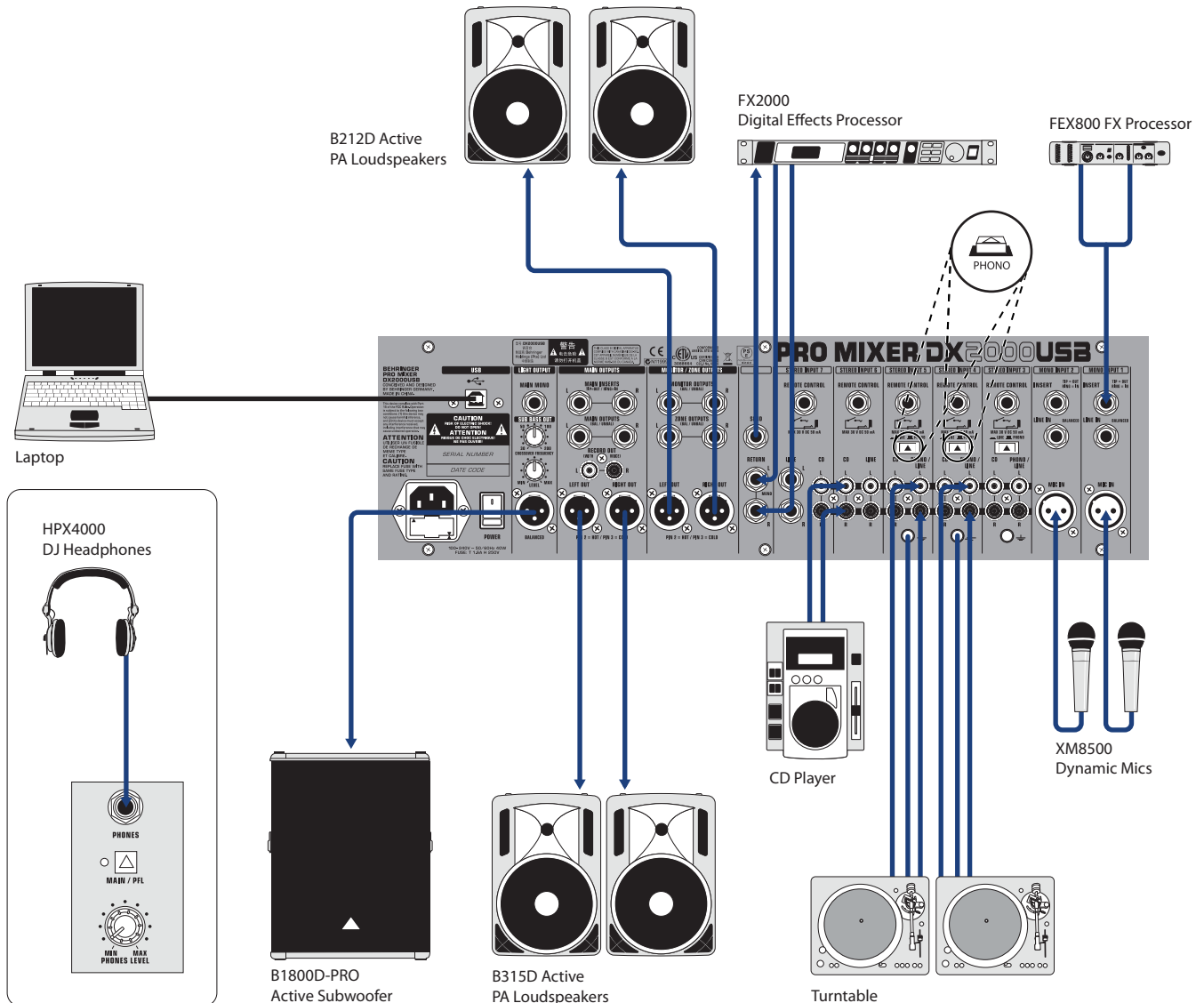
## Remote Control

If you use external audio devices, such as CD players, CART machines, etc.,

in the course of your performance, you'll be pleasantly surprised by DX2000USB's remote control feature. Many commercial playback decks offer remote start and stop functionality. If your player supports this feature (please check your device's owner's manual), you can use DX2000USB's TRACK START buttons, conveniently located below the faders on channels 3-7, to control up to three similarly equipped devices. This may seem like a minor detail, but it can become a major hassle when you're trying to produce the perfect show!

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## Complete Mobile DJ System





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## Super Software

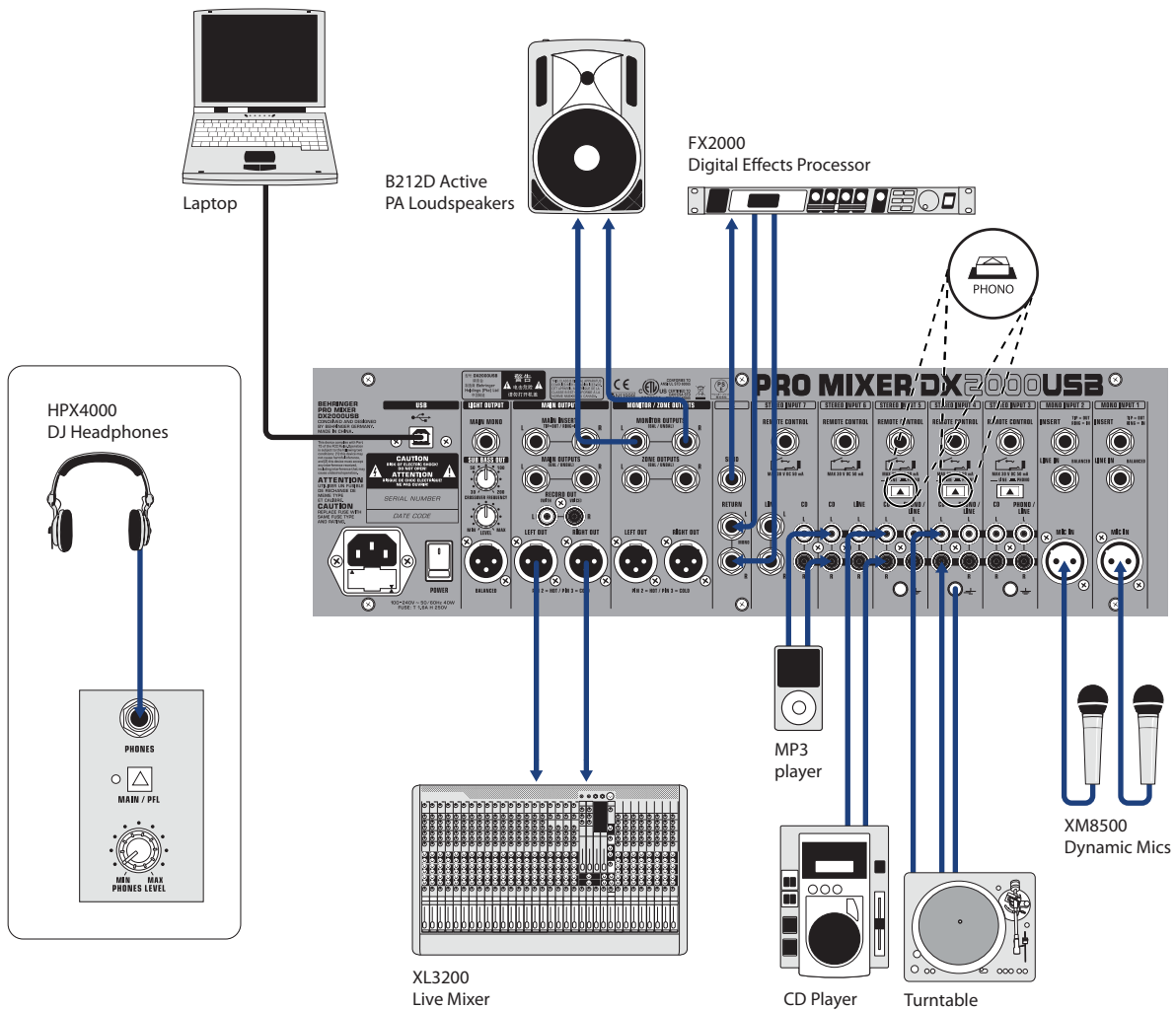
You get incredible multitracking software and more when you hook up with the DX2000USB. This amazing DAW (digital audio workstation) makes it easy to manipulate your audio and MIDI files, turning song ideas into stunning CD or web-ready recordings. There's even a built-in drum machine and internal multi-FX processor. If you want to incorporate sounds from old, damaged vinyl, the included Audacity freeware audio editor with vinyl restoration capability will remove pops and other

noise. You even get Golden Ear and Podifier software so you can instantly share your creations via podcast.

## Value

When you add the DX2000USB to your rig, you connect to unrivaled versatility and performance at a price that will leave you with cash to spare. Its superior build quality and rugged components mean this mixer will serve you well for years to come. Drop in at your nearest BEHRINGER dealer and find out why so many DJs are making magic with BEHRINGER.

## Simple Setup with Club PA System



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## Specifications

### Mono Input Channels

|                    |   |
|--------------------|---|
| Mic input          | Electronically balanced, discrete input configuration |
| Gain               | +10 to +60 dB   |
| Frequency response | 10 Hz to 80 kHz, +/-3 dB                              |
| THD                | 0.08 % typ. @ -30 dBu, 1 kHz                          |

### Line input

|                    |                          |
|--------------------|--------------------------|
| Gain               | -10 to +40 dB            |
| Frequency response | 10 Hz to 80 kHz, +/-3 dB |
| THD 0.08 % typ.    | @ -10 dBu, 1 kHz         |
| S/N ratio          | 85 dB, unweighted        |

### EQ

|         |                   |
|---------|-------------------|
| Low     | +/-12 dB @ 50 Hz  |
| Mid     | +/-8 dB @ 750 Hz  |
| High    | +/-12 dB @ 10 kHz |
| Low cut | 75 Hz, 18 dB/oct  |

### Stereo Input Channels

|                     |                  |
|---------------------|------------------|
| Phone/Line/CD input | Unbalanced input |
| Gain                |                  |
| Line/CD             | +17/-20 dB       |
| Phone               | +17/-20 dB       |

### Frequency response

|           |                           |
|-----------|---------------------------|
| Line/CD   | 10 Hz to 130 kHz, +/-3 dB |
| Phone     | 20 Hz to 20 kHz, RIAA     |
| THD       |                           |
| Line/CD   | 0.05 % typ @ 0 dBu, 1 kHz |
| Phone     | 0.1 % typ @ -40 dB, 1 kHz |
| S/N ratio |                           |
| Line/CD   | -82 dB, unweighted        |
| Phone     | -78 dB, unweighted        |
| Kill EQ   |                           |
| Low       | +6/-25 dB @ 50 Hz         |
| Mid       | +6/-25 dB @ 1.4 kHz       |
| High      | +6/-18 dB @ 15 kHz        |

### Connectors

#### Master out

|      |       |
|------|-------|
| Jack | 0 dB  |
| XLR  | +6 dB |

#### Monitor out

|      |                       |
|------|-----------------------|
| Jack | 0 dB (max.10 dB gain) |
|------|-----------------------|

#### Zone out

|      |                       |
|------|-----------------------|
| Jack | 0 dB (max.10 dB gain) |
|------|-----------------------|

#### Insert send

|               |      |
|---------------|------|
| Insert return | 0 dB |
|---------------|------|

#### Effect send

|             |      |
|-------------|------|
| Effect send | 0 dB |
|-------------|------|

### USB

|             |               |
|-------------|---------------|
| Audio       | Stereo In/Out |
| Connector   | Type B        |
| Sample rate | 48 kHz        |

### Power Supply

#### Mains Voltages

|                      |  |
|----------------------|--|
| USA/Canada           | 120 V ~, 60 H                            |
| UK/Australia         | 240 V ~, 50 Hz                           |
| Europe               | 230 V ~, 50 Hz                           |
| General Export Model | 100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz |

### Physical

|                       |   |
|-----------------------|---|
| Dimensions (Hx W x D) | 6.29 x 13.38 x 17.32"<br>160 x 340 x 440 mm |
| Weight                | 14.77 lbs / 6.7 kg                          |

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For service, support or more information contact the BEHRINGER location nearest you:

**Europe**  
MUSIC Group Services UK  
Tel: +44 156 273 2290  
Email: CARE@music-group.com

**USA/Canada**  
MUSIC Group Services NV Inc.  
Tel: +1 702 800 8290  
Email: CARE@music-group.com

**Japan**  
MUSIC Group Services JP K.K.  
Tel.: +81 3 6231 0454  
Email: CARE@music-group.com

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