

# PRO MIXER DJX750

## Professional 5-Channel DJ Mixer with Advanced Digital Effects and BPM Counter

- Professional 5-channel ultra-low noise DJ mixer with stylish, black design
- State-of-the-art digital effects with advanced parameter control
- Intelligent dual auto-BPM counter with time and beat sync display
- Super-smooth Ultraglides faders with up to 500,000 life cycles
- Awesome adjustable XPQ stereo surround effect
- VCA-controlled crossfader for utmost reliability and smooth audio performance
- Adjustable crossfader curve for all mixing styles
- 3-band kill EQ (-32 dB) and precise level meters with peak hold function per channel
- Additional 3-way kill switches with extremely steep frequency separation
- Monitor function with master/cue balance control and split option
- Auto-talkover function with separate depth control
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany



### Own the Night with the DJX750

Need an analog DJ mixer for your dance club? Don't want to settle for some run-of-the-mill DJ desk you'll outgrow in just a few weeks? The new PRO MIXER DJX750 DJ Mixer merges intuitive operation with built-in digital effects processing for clean, transparent sound that will set your dance floor on fire!

### Not Just a DJX700 dressed in black!

DJs the world over love the DJX700 — and we are grateful that so many have made it their "go-to" mixer. So when we began design on the DJX750, we knew we had to do something very special. We started by revving up the FX processor and putting advanced parameter control right at your fingertips.

No longer are you confined to rigid presets that limit your creativity. With the DJX750, you can change FX parameters on-the-fly, pushing your performance to the next level. In no time you'll be creating powerful sets with your own custom-tailored effects sounds, all of which can be controlled in real-time. Some parameters at your disposal include Bit Crusher depth, manual filter sweeps, Panning (LFO Rate), delay/echo time and much more. You can even set delay and echo timing relative to the internal BPM counter for extremely musical results. It is kinda like a DJX700 — but one on steroids!

*Continued on next page*



# PRO MIXER DJX750

## Channels Galore

Because your voice is your instrument, the DJX750 features a dedicated mic channel with all the tools to make your sound supremely distinctive. Vocal fine-tuning is handled by the onboard 3-band EQ, which provides up to 15 dB of boost or cut at LOW (80 Hz), MID (2.5 k), and HIGH (12 kHz) frequency centers — creating an extremely broad tonal palette. The DJX750's stereo channels' EQ utilize the same frequency centers with a boost of up to 12 dB and a cut of as much as -32dB. These channels are equipped to handle every conceivable input source — from line level, phono, CD and tape decks to mp3 and minidisk players, we've got you covered.

## Auto Ducking

DJX750's talkover function automatically detects your voice and brings down the volume of the music track (referred to as "ducking"), so your voice is always out front — you can even set this level to your own personal preference.

## Auto BPM Counter

Sync'ing up tracks is an art unto itself — that's why we gave the DJX750 dual Auto BPM Counters. This cool feature helps take the guess work out of making a smooth transition from one track to the next. Each BPM counter's digital display shows which channel it is tracking and the tempo of the music in beats per minute. Optionally, you can push the Beat Assist button in time with the song to manually enter the tempo. You get a read out of the tempo difference between the tracks, as well as a visual confirmation when they are in sync. These tools will help you seamlessly align two tracks — without having to rely solely on your ears.

## Crossfader & Channel Faders

All of our super-smooth faders are of the high-grade 45-mm ULTRAGLIDE variety. Faders are, after all, the heart and soul of every mixer, and with their 500,000 cycle life expectancy (that's 275 fades per night, per fader for five years without a break!), they outperform standard faders more than twenty-to-one. And since the crossfader uses VCA (Voltage Controlled Amplifier) technology, there is virtually no audio noise. For those of you who prefer customized crossfading, the DJX750 also includes our CF Curve control, which lets you set the crossfader's control characteristic just the way you like it. It is, after all, your show!

## XPQ 3D

Making music larger than life is what it's all about and the DJX750 comes through on this in a big way. XPQ 3D Surround widens the stereo field, giving it immense depth and creating a stereo image that is full of life, with amazingly transparent sound. You determine the intensity of this stunning effect with a simple twist of the Surround control — from barely noticeable to supremely spectacular.

## Onboard Digital Effects

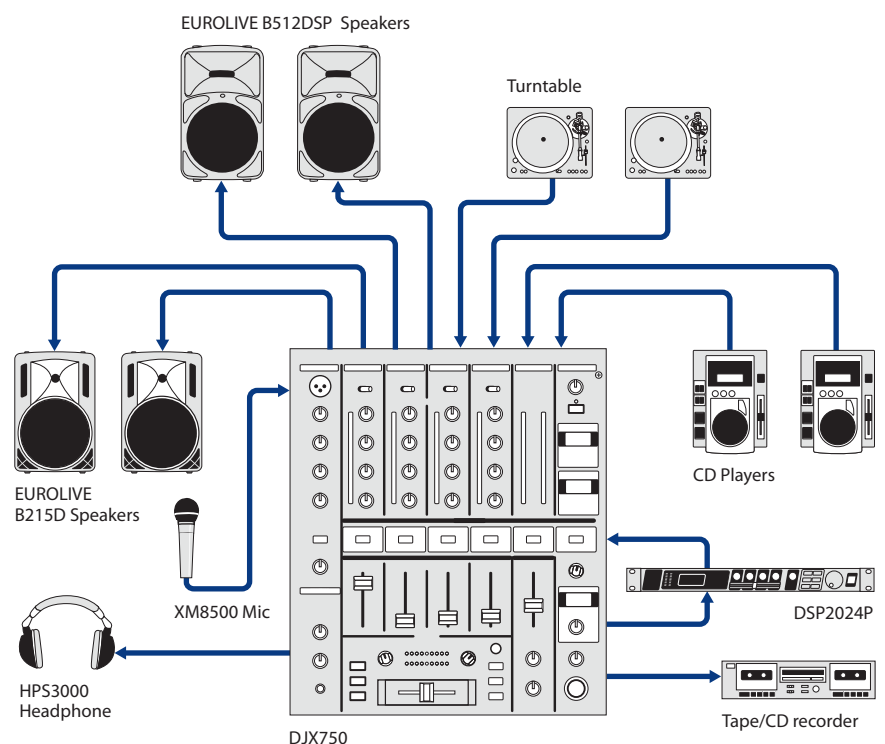
Really good digital effects add the finishing touch to a solid performance, and ours are really good! With 33 outstanding effects to choose from, including an assortment of Phase Shifters, Flangers, Reverbs, Delays and more, your audience won't know what hit them. There are even Auto Filter and Voice Changer effects that will take your show to a whole new level.

## Monitor Multi-tasking

You can't put on much of a show if you can't hear what you're mixing! That's why we didn't cut any corners on DJX750's monitor section. When the monitor Mode switch is in the "Split" position, you hear the PFL (Pre-Fader Level) output on the left side of your phones, and the Master signal on your right. If you prefer working in "Stereo" mode, you can turn the MIX control fully counterclockwise to hear the channel PFL signal in both sides of your headphones, fully clockwise for the Master output, or you can "mix" both signals by adjusting the control to anywhere in-between. You can listen to one or multiple sources, and LEDs light up to indicate what you're listening to.

*Continued on next page*

## Typical Hook-up



# PRO MIXER DJX750

## Sound Quality

None of the above-mentioned features would amount to much if the DJX750 didn't sound truly remarkable. That's why we equip each one with our tried-and-true ULN (Ultra Low-Noise) preamps: what comes in comes out,

with nothing added. So you get maximum headroom, extremely low noise and ultra-transparent sound. Compare it to the competition for sound quality, features and value and you'll see why more and more DJs "own the night" with their BEHRINGER DJX750.

## Front Panel

Source select.  
Ch. 1 has  
2 line inputs

MIC IN XLR  
connector for  
dynamic mic

MIC channel  
GAIN control

MIC channel  
3-band EQ  
(HI, MID and  
LOW, no kill  
characteristic)

MIC ON switch

MODE switch —  
selects "Split" or  
"Mix" headphone  
monitoring

MIX control  
(Stereo Mode only)  
sets channel PFL  
(Pre-Fader Level)  
balance and MASTER  
phones signal

Headphone  
LEVEL and jack.  
Headphone source  
selection switches

Source select. Channels  
2-4 have Phono and  
Line/CD inputs

GAIN control adjusts  
level of input  
signal on  
program channels

10-digit LED input  
level displays

Talkover control  
sets level of  
voice over music  
program (ducking)

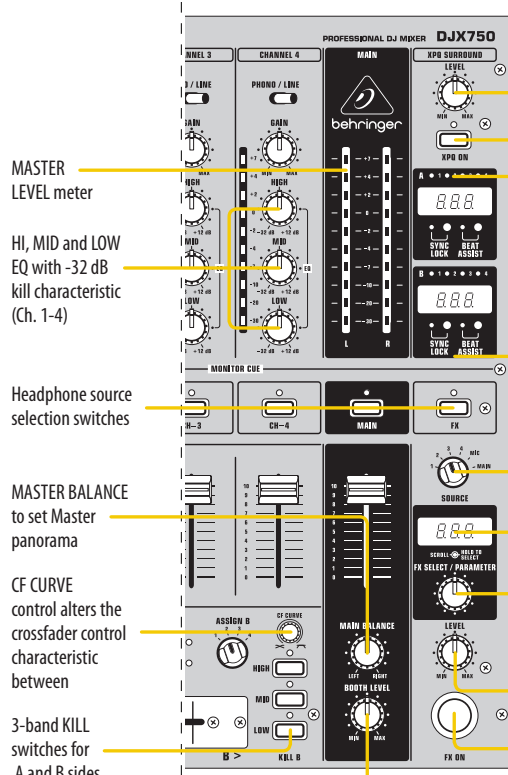
CHANNEL  
faders

TEMPO DIFFERENCE  
LED displays  
tempo difference  
between tracks

TIME OFFSET LED  
indicates track  
synchronization

VCA controlled  
professional 45-mm  
CROSSFADER

ASSIGN A and  
ASSIGN B selectors  
determine which input  
signals are routed to  
CROSSFADER sides



XPO 3D SURROUND  
control and XPO ON  
switch create wider,  
more transparent  
stereo image  
when activated

Integral Auto  
BPM (Beat Per  
Minute) counters,  
with SYNC LOCK  
and BEAT ASSIST  
buttons help make  
smooth transition  
when crossfading  
between tracks

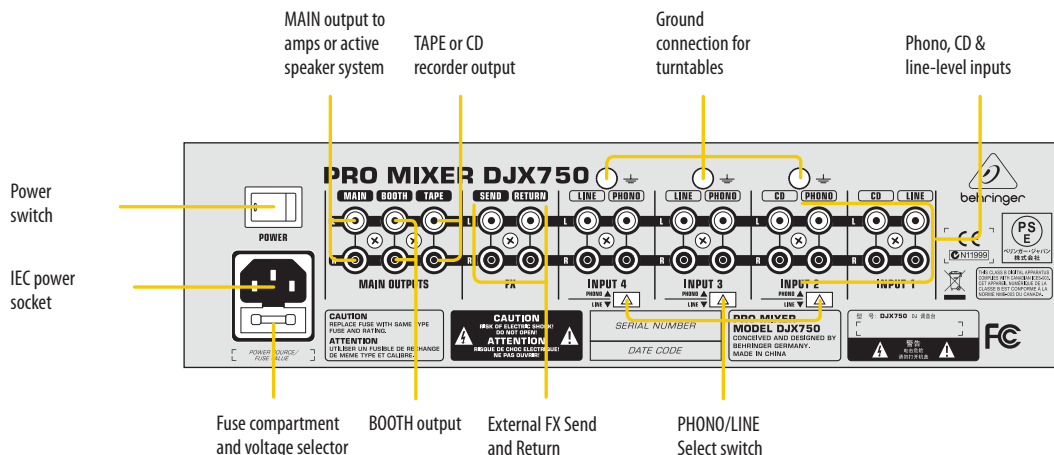
Digital FX SOURCE  
selector switch and  
3-digit display

PROGRAM control  
selects effect and  
adjusts the available  
parameter

LEVEL control sets  
effect signal volume

FX ON switch

## Rear Panel



# PRO MIXER DJX750

## Specifications

### Audio Inputs

Mic	40 dB Gain, XLR, electronically balanced input stage
Phono in	40 dB Gain, unbalanced input
Line in	0 dB Gain, unbalanced inputs
CD in	0 dB Gain, unbalanced inputs
Return	0 dB Gain, unbalanced input

### Audio Outputs

Master	max. +21 dBu
Booth	max. +21 dBu
Tape	typ. 0 dBu
Send	typ. 0 dBu
Phones Out	max. 180 mW @ 75 W / 1% THD

### Equalizer

Stereo Low	+12 dB/-32 dB @ 50 Hz
Stereo Mid	+12 dB/-32 dB @ 1.2 kHz
Stereo High	+12 dB/-32 dB @ 10 kHz
Mic Low	+15 dB/-15 dB @ 80 Hz
Mic Mid	+15 dB/-15 dB @ 2.5 kHz
Mic High	+15 dB/-15 dB @ 12 kHz
Kill Low	-54 dB @ 50 Hz
Kill Mid	-44 dB @ 1 kHz
Kill High	-26 dB @ 10 kHz

### Digital Effects Processor

DSP	Freescape
A/D-D/A converter	24-bit Sigma-Delta, 64/128-times oversampling
Sampling rate	46.875 kHz

### System Specifications

Signal-to-noise ratio	> 80 dB (Line)
Crosstalk	> 70 dB (Line)
Distortion (THD)	< 0.03%
Frequency response	10 Hz - 55 kHz, +0/-3 dB

### Power Supply

Power consumption	32 W
Mains connection	Standard IEC receptacle

### Mains voltages/Fuses

100 - 120 V~, 50/60 Hz	T 1 A H
220 - 230 V~, 50/60 Hz	T 500 mA H

### Dimensions/Weight

Dimensions (H x W x D)	approx. 3.26 x 12.59 x 14.56" approx. 83 x 320 x 370 mm
Weight	approx. 8.81 lbs approx. 4 kg

Please note these specifications are preliminary and conceptual in nature, and as such are subject to change as product development progresses. This information is supplied for market research purposes only and is not to be made public in any manner. This document is solely the property of The MUSIC Group, or one of its subsidiaries, and must be surrendered upon request of the owner.

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

Technical specifications and appearances are subject to change without notice and accuracy is not guaranteed. BEHRINGER is part of the MUSIC Group (music-group.com). All trademarks are the property of their respective owners. MUSIC Group accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph or statement contained herein. Colors and specifications may vary from actual product. MUSIC Group products are sold through authorized fulfillers and resellers only. Fulfillers and resellers are not agents of MUSIC Group and have absolutely no authority to bind MUSIC Group by any express or implied undertaking or representation. This manual is copyrighted. No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of MUSIC Group IP Ltd. ALL RIGHTS RESERVED. © 2012 MUSIC Group IP Ltd. Trident Chambers, Wickhams Cay, P.O. Box 146, Road Town, Tortola, British Virgin Islands. 985-10000-00354