

# OMNITRONIC EX-840 Digital effects mixer

PRO 4+1-channel digital effects mixer

Art. No.: 10007050

GTIN: 4026397157864



## Features:

- Channels 1-3 switchable between phono/aux and line
- Channel 4 switchable between mic and line
- Mic channel with attachment possibility of 2 mics, each individually volume controlled, common 3-way tone control
- Mic 1 microphone input via XLR/6.3 mm jack mounting socket at the front panel
- Mic 2 and mic 3 microphone input via 6.3 mm mono jack at the front panel
- 1 separate DJ mic channel with level control, 2-way tone control (bass, treble) and talkover selector
- Input sensitivity control (gain) for each channel
- 3-way tone control (bass, middle, treble) for each channel
- Tone control with large range from -30 to +10 dB
- 8 digital DSP effects: echo, auto pan, flanger, manual filter, auto filter, reverb, transition, pitch shifter
- Assignment of the effect via the input select switch possible to the input channels, crossfader sides and output
- Time and depth parameter adjustment via parameter control
- Independent auto beatcounter for chosen cue signal and master signal
- Manual beatcounter via additional tap button
- Beat sync function: all effects can be modulated automatically to the piece of music
- Individual beat sync buttons set musical values
- 3 crossfader effects: echo, zip, roll, with automatic or manual crossover function
- By pressing the effect cue button, the effect or sample can be cued with the headphones
- Effects ON/OFF button
- The crossfader can freely be assigned to channels 1-4 (channel assign selector)
- Crossfader remote start function switchable via X-start button
- Crossfader curve function for extremely fast cut times and scratch times

## Logistic

EAN / GTIN: 4026397157864

Weight: 6,40 kg

Length: 0.58 m

Width: 0.31 m

Height: 0.14 m

- Super-smooth faders and crossfader replaceable from above
- Headphones connection on the front panel
- Headphones output adjustable via cue level control
- Additional cue split/cue mix button
- Mixing of the headphones signal possible via cue mixing fader
- Master out 15-fold LED level displays (L/R)
- Output signal adjustable via master fader (master 1) or master control (master 2)
- Separately controllable monitor output (DJ booth) for connecting active speakers or an additional amplifier
- 2 master out, booth out and rec out via 2 RCA sockets each
- Additional master 1 output via balanced XLR connectors
- Total output level of master 1 adjustable via level control at the rear panel
- Rec out independent from master level for records with static level
- High-grade discotheque mixer with a convincing sound

## Technical specifications:

Power supply:	115/230 V AC, 50/60 Hz
Power consumption:	35.00 W
Dimensions:	Width: 48.3 cm Depth: 26.6 cm Height: 8.9 cm
Weight:	5.44 kg
Inputs:	3 phono, 4 line, 3 mic
Input Sensitivity:	
Microphone 1:	1.7 mV RMS, 2.2 kohm
Microphone 2, 3:	1.7 mV RMS, 3 kohm
Phono:	3.4 mV RMS, 47 kohm
Line:	340 mV RMS, 20 kohm
Output voltage:	
Master out XLR:	1.23 V / 600 ohm
Rec out (analog):	316 mV RMS / 1 kohm
Rec. out (digital):	0.5 V RMS / 75 ohm
Headphones output:	3000 mV @ 32 ohm (>16 ohm)
Outputs:	1 master out, balanced XLR + RCA 1 rec out (analog, RCA) 1 rec out (digital, RCA) 1 zone (RCA) 1 booth (RCA)
Frequency range:	
Microphone:	20-20000 Hz, +1 / -3 dB
Phono:	20-20000 Hz, +1 / -2 dB
Line:	20-20000 Hz, +1 / -2 dB
Effects (dry):	20-20000 Hz, +1 / -2 dB
THD:	
Phono:	<0.02 %
Line:	<0.02 %
Effects (dry):	<0.05 %
S/N ratio:	

Microphone 1:	<-60 dB
Microphone 2, 3:	<-62 dB
Phono:	<-70 dB
Line:	<-70 dB
Effects (dry):	<-70 dB
Talkover attenuation:	-14 dB $\pm$ 1 dB
Tone control/channel:	
Treble:	-30 dB to +10 dB, $\pm$ 1 dB at 13 kHz
Middle:	-30 dB to +10 dB, $\pm$ 1 dB at 1 kHz
Bass:	-30 dB to +10 dB, $\pm$ 1 dB at 70 Hz
Tone control/Mic:	
Treble:	$\pm$ 12, $\pm$ 2 dB at 13 kHz
Middle:	$\pm$ 12, $\pm$ 2 dB at 1 kHz
Bass:	$\pm$ 12, $\pm$ 2 dB at 70 Hz
Cross Talk (line):	<-70 dB at 1 kHz between L & R and between channels
Dimensions (W x D x H):	482 x 266 x 105 mm

### **Scope of delivery:**

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