

DUO

Professional 2 Channel Battle Mixer for Serato DJ



MAIN details

- RGB Pads
- Loop and Effects Control
- XLR Output
- Booth Output
- USB Hub
- Serato included

serato



DUO is the ultimate plug-and-play mixer for Serato DJ.

DUO has 8 RGB backlit pads on board for triggering 8 cue points per deck or the SP-6 sampler. The DUO built-in USB hub also provides 2 extra USB connections to allow integration to other USB devices such as MIDI controllers.

The integrated Mini-Innofader delivers super sharp scratch performance. Crossfader and line fader settings are easy to adjust on the DUO front panel.

The DUO Exclusive Sampler switch allows to recall Sampler Mode or Cue section Instantly.

The MIXARS DUO is a solid mixer with phono/line inputs, mic input, XLR Output, Booth Output, USB2.0 Hub, integrated 24-bit/48kHz audio soundcard, analog low/high-pass filter on each channel and many other controls.

Advanced users can custom map most mixer controls to many other third-party audio softwares.

DUO // TECHNICAL details

1. GENERAL SECTION

power source ac 1	00~240v 50/60hz
Power consumption	13watts
Dimensions	265mm (w) x 369mm (d) x 104.1mm (h)
Weight	4.15kg

2. INPUT/OUTPUT IMPEDANCE & SENSITIVITY:

(1khz input , mic/aux, trim, master at max.)

2-1. INPUT IMPEDANCE AND REFERENCE INPUT LEVEL:

Line	10k ohm /-14dbv(200mv)
Phono	47k ohm /-50dbv(3.16mv)
Aux	10k ohm /-14dbv(200mv)
Mic	5k ohm /-54dbv(1.99mv) (unbalance)
Usb	(n/a)/-3.4dbv(96k-782 tk.16/1khz -20db)

2-2. OUTPUT IMPEDANCE AND REFERENCE OUT LEVEL:

	nominal	limited
Master	1k ohm /0dbv (1v)	± 1db ± 2db
Balanced	600 ohm /0dbv (1v)	± 1db ± 2db
Booth	600 ohm /0dbv (1v)	± 1db ± 2db
Phones	33 ohm /-3dbv (708mv)	± 1db ± 2db
Record	1k ohm /-9dbv (400mv)	± 1db ± 2db

3. FREQUENCY RESPONSE:

(reference input level , mic/aux, trim, master at max.)

		nominal	limited
Line	20 - 20k hz	+1/-1.5db	+2/-3db
Aux	20 - 20k hz	+1/-1.5db	+2/-3db
Phono	20 - 20k hz	+1/-2db	+2/-3db (riaa)
Mic ²	20 - 20k hz	+1/-2db	+2/-3db

4. MAXIMUM INPUT:

(mic/aux, trim, master at 9 o'clock. Adjust input 1khz level to output level less than 1% t.h.d with a-w/20khz lpf)

	nominal	limited
Line	+15dbv	+14dbv
Aux	+15dbv	+14dbv
Phono	-21dbv	-22dbv
Mic	-25dbv	-26dbv

5. MAXIMUM OUTPUT:

(mic/aux, trim, master at max. Adjust input 1khz level to output level less than 1% t.h.d with a-w/20khz lpf)

	nominal	limited
Master unbalanced	+17 dbv	+16dbv
Master balanced	+17 dbv	+16dbv
Booth balanced	+17 dbv	+16dbv
Phones	+5dbv	+4dbv

DUO // TECHNICAL details

6. S/N RATIO:

(1khz input , mic/aux, trim, master at 12 o'clock, with a-w/20khz lpf, input short when no signal)

	nominal	limited	
Line	86db	83db	at 0db input
Phono	86db	83db	at -36db input
Aux	86db	83db	at 0db input
Mic	79db	75db	at -40db input

7. THD + N:

(1khz input , mic/aux, trim, master at 12 o'clock, with a-w/20khz lpf)

	nominal	limited	
Line	0.01 %	0.02 %	at 0db input
Aux	0.01 %	0.02 %	at 0db input
Phono	0.02 %	0.05 %	at -36db input
Mic	0.03 %	0.06 %	at -40db input

8. CROSSTALK:

(1khz input , mic/aux, trim, master at 12 o'clock with a-w/ 20khz lpf, input short when no signal)

	nominal	limited	
Line	85db	82db @each channel input	at 0db input
Phono	85db	82db @each channel input	at -36db input

9. L&R CHANNEL SEPARATION:

(1khz input , mic/aux, trim, master at 12 o'clock with a-w/20khz lpf, input short when no signal)

	nominal	limited	
Line	85db	82db @between l and r channel	at 0db input
Phono	85db	82db @between l and r channel	at -36db input

10. EQUALIZER RESPONSE:

(reference input level , mic/aux, trim master at max. With20khz lpf)

Line:

		nominal	limited
(1) low band		(low band reference frequency is 70hz)	
Maximum level	+12	± 1db	± 1.5db
Minimum level	-25	± 1db	± 1.5db
(2) middle band		(middle band reference frequency is 1khz)	
Maximum level	+12	± 1db	± 1.5db
Minimum level	-25	± 1db	± 1.5db
(3) high band		(hi band reference frequency is 13khz)	
Maximum level	+12	± 1db	± 1.5db
Minimum level	-25	± 1db	± 1.5db

11. AUDIO CARD USB

24 bit

48 khz