

PRELIMINARY INFORMATION

XONE:DB2 DIGITAL DJ FX MIXER



ALLEN & HEATH



XONE:DB2

DIGITAL DJ FX MIXER

The Xone:DB range exploits the potential of digital mixer technology to bring you maximum DJ creativity. A key element is what we believe to be the highest quality and most sophisticated FX engine in the DJ market. Originally developed for the iLive pro touring system and rated by some of the best ears in the business, the FX algorithms have been painstakingly optimised for DJ use. The first mixer to get the new FX engine was the Xone:DB4 - an unapologetic monster of a mixer with an FX engine on each channel. Now the Xone:DB2 captures the essence of DB4 in a stylish, accessible, affordable format.





Features

Input Matrix

Each of DB2's four input channels has a full input matrix that can select from four analogue (Line or RIAA), four USB, or two digital sources, allowing for a wide variety of audio sources to be connected simultaneously. The same source can also be selected on multiple channels.

Trimodal EQ

Xone:DB2 adopts the fresh approach to creative equalisation introduced on DB4. The EQs can be used in three different modes - standard asymmetric EQ (+6/-25dB), total Kill (+6dB/OFF with a 24dB/octave slope), or High-Pass/Low-Pass filter with adjustable resonance.

Mic/Line Input

With 2 band EQ, gain, cue and mix level and with full access to FX.

High Visibility OLED Display

Tested for maximum clarity whether playing on a sun-drenched Balearic beach or in a Berlin basement, the high contrast display shows FX selection, BPM and menu setup functions.

Lightweight chassis

Made for life on the road, Xone:DB2 is robust enough for touring, and its lightweight aluminium chassis helps ease the arm-ache.

Integral soundcard

The built-in, multi-channel USB2 soundcard allows replay and recording from computer-based audio software for 4 stereo sends and 4 stereo returns.

MIDI control

All controls (except Mic and Phones level) send MIDI data. The mixer can double up as a MIDI controller for DJ software such as Traktor Pro and Ableton via the MIDI shift button, which allows the FX selection controls to send MIDI data without changing the mixer settings.

X:LINK

Xone:DB2 can integrate smoothly with the new Xone:K2 software controller via Allen & Heath's proprietary X:LINK protocol.

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MIC

MIC LINE

L LINE R

1 2 3 4

INPUT SELECT

ANA DIG

USB

1 2 3 4

INPUT SELECT

ANA DIG

USB

1 2 3 4

INPUT SELECT

ANA DIG

USB

1 2 3 4

INPUT SELECT

ANA DIG

USB

PKI

+6

+3

+1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

-16

-17

-18

-19

-20

-21

-22

-23

-24

-25

L - MIX - R

CUE - SPLIT - PRG

MIX

BOOTH

MENU

GAIN

HF

LF

PKI

TRIM

PKI

TRIM

PKI

TRIM

PKI

TRIM

PKI

XONE TRIMMABLE EQ

1 2 3 4

HF

MF RES

LF

CUE

LEVEL

CH ON

XFADE/FX

MIX

MIDI SHIFT

XFADE/FX

MIX

CUE

XFADE/FX

MIX

CUE

XFADE/FX

MIX

CUE

XFADE/FX

MIX

CUE

PKI

+6

+3

+1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

PKI

+6

+3

+1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

PKI

+6

+3

+1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

PKI

+6

+3

+1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

CUE MIX

MONITOR

XONE:DB2

X Y

Fat-0

Sn1 Vox

EQ 92

XFADE OFF

TIME SELADU

TOGGLE VIEW

TIME SELADU

TOGGLE VIEW

DLY

SELECT

DLY

SELECT

FX-X

EXPRESSION

FX-Y

EXPRESSION

DRY WET

DRY WET

FILTER OFF

20Hz 10kHz

FILTER OFF

20Hz 10kHz

ON

ON



Twin DSP FX Engines

:: Massive FX Library

Xone:DB2 has more than 50 FX presets divided into 5 FX types: Delays/loopers, Reverbs, Resonance, Modulation and Damage. These are studio grade FX – in fact several legendary producers already use the DB range FX in their recordings. There are plans to continue building the FX library in future firmware updates.

:: Expression + Wet / Dry

The Expression and Wet / Dry controls give intuitive, hands-on control for everything from subtle FX washes to total transformation.

:: Editable FX Parameters.

For those who want to drill down further; individual FX variations can be further modified via the rotary controls under the screen.



Specs.

Distortion at 1kHz Line in at +0V _u out	0.003% (-90dB) un-weighted
Main Mix noise 22Hz- 22kHz un-weighted	-88dBu (104dB dynamic range)
Residual Mix noise 22Hz- 22kHz un-weighted	-94dBu
Equalization	+6dB boost/-26dB Total Kill 3 Band or Filter

Weights & Dimensions

The console is fitted with rubber feet for desktop operation. A screw on rack ear kit is available for 19" rack or plinth mounting.

	Width	Height	Depth	Weight
Desktop	320 mm (12.6")	88 mm (3.5")	358 mm (14")	5.1 kg (11 lbs)
Rack ears fitted	483 mm (19")	88 mm (3.5")	358 mm (14")	
Packed	530 mm (20.9")	470 mm (18.5")	260 mm (10.2")	8.6 kg (19 lbs)

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