

PRODUCT OVERVIEW

THE ULTIMATE PROFESSIONAL CLUB DJ FX MIXER

The Xone: DB4 is a truly ground-breaking mixer and by far the most advanced product that we have designed. Every feature has been meticulously researched with a view to offering DJs ultimate creativity.



Based on the iLive pro-touring FX system, we developed FX algorithms with BPM conscious parameters and tight spectral control, customized to perfectly fit the DJ environment. As the loops and FX are automatically synchronized to the tempo of the track, it is very easy to build some amazing grooves and soundscapes without problems of latency, low fidelity and the general hassle often associated with using software and laptops.

The flexible input matrix allows any audio source to be selected on any or all of the channels. Different processing can be applied to the same track on separate channels and you can fade between them, or a phrase sampled in the looper of one channel can be added to the mix later in the track. Our digital design team has done an incredible job to ensure that this is one of the most innovative and exciting DJ mix tools to date.



QUAD FX CORE

The heart of the Xone: DB4 is the powerful Quad FX Core DSP engine, enabling each channel to have its own FX bank and BPM detection system, which automatically adjusts all time-related FX and loops to the tempo of the music. There are 5 studio-quality FX types optimized for DJ use – delays, reverbs, modulators, resonators, and damage – plus each FX type has a patch library of different effect variations. Each FX bank has a dedicated expression control and a rotary pot to set the wet/dry level, whilst further tweaking can be performed using the global controllers in the FX master section.



PRO-X-FADER OPTION

Retro-fit Pro-X-Fade option kit for Xone: DB4. Pro-X-Fade uses 100% conductive plastic tracks and a wider stem for extended fader life. Pro-X-Fade also allows the DJ to adjust both the feel of the fader and the cut-in point to suit their personal style. Speak to your approved Allen & Heath dealer or distributor for purchasing and fitting information.



EQ/FILTER

Each music channel has a 3-band EQ that can be configured as standard asymmetric EQ (+6/-26dB), Isolator (+6dB/OFF with a 24dB/octave slope), or reconfigured as a High-Pass/Low-Pass filter system with adjustable resonance. EQ knob pointers change *color* to show which type of equalization is active.



MIC/LINE INPUT

The Mic/Line input has 2-band EQ, gain, cue, and mix level. This can also be routed to all main input channels overriding Matrix analog input channel 1 for adding FX and accessing the loopers.

Allen & Heath Xone: DB4 Digital DJ Mixer Features:

- Super-versatile 4-channel DJ mixer with effects, looping, and other useful performance tools onboard
- Flexible routing on each channel lets you select from 12 individual stereo inputs
- Inputs include 4 x stereo RCA analog, 4 x stereo S/PDIF digital, and 4 x stereo via USB 2.0
- Available identical inputs on multiple channels let you easily perform on-the-fly remixing and cool changeovers
- Output patchbay makes routing signal to the mains, headphones, and other outputs easy
- High-visibility OLED display lets you perform comfortably in the darkest clubs and on the brightest sunlit stages
- Quad FX Core DSP effects engine gives each channel its own effects bank with delays, reverbs, modulators, resonators, and "damage" distortion effects types
- Includes over 50 effects presets
- Each channel has a built-in looper with selectable loop length from 1/16 beat to 4 bars
- Loopers always record the full 4 bars, allowing you to continuously expanded or shrink your loops
- BPM detection system automatically adjusts all time-related effects and loops to the tempo of your music
- Each main channel includes a 3-band Trimodal EQ
- Channel EQs can be configured with standard asymmetric EQ (+6/-25dB) bands, Isolator (+6dB/OFF with a 24dB/octave slope) bands, or as highpass/lowpass filter systems with adjustable resonance
- Xone dual filter system also lets you assign each channel to 1 of 2 additional filters
- Mic/Line input has 2-band EQ, gain, cue, and mix level, and you can route it to channel 1 to add effects
- Built-in 24-bit/96kHz USB 2.0 interface lets you send and receive up to 4 stereo channels to and from your computer
- All controls (except microphone input level and the headphones output level) send MIDI data via USB
- MIDI shift button allows the Loop and FX selection controls to send MIDI data without changing your mixer settings
- User-defined settings such as meter mode, BPM range, USB audio routing scheme, and display brightness can be saved to a USB thumb drive for recall on another Xone: DB4
- Allen & Heath's X: LINK protocol lets you daisy chain MIDI and power with other X: LINK-equipped devices via Ethernet cable
- Heavy-duty yet lightweight aluminum chassis makes transportation easy
- Custom carrying case included

Tech Specs

- **Channels:**4 + mic
- **Audio Interface:**4-in/4-out, 24-bit/96kHz via USB
- **Playback Built-in:**4 x onboard loopers
- **MIDI Control:** Complete MIDI control
- **Effects:**4 x effects engines, each with delays, reverbs, modulators, resonators, and damage effects
- **Analog Inputs:**2 x stereo RCA line, 2 x stereo RCA line/phono, 1 x XLR mic
- **Analog Outputs:**2 x XLR, 2 x TRS, 1 x stereo RCA
- **Digital Inputs:**4 x stereo S/PDIF (coaxial)
- **Digital Outputs:**1 x stereo S/PDIF (coaxial)
- **Headphones:**1 x 1/4"
- **MIDI I/O:** via USB
- **USB:**1 x Type A, 1 x Type B
- **Other I/O:**1 x X:LINK (RJ45), 4 x Deck Start (1/8")
- **Faders:**4 x Long Throw

- **Crossfader:** Adjustable
- **EQs:** Configurable as asymmetric 3-band (+6/-25dB) with kills, Isolator (+6dB/off), or Highpass/Lowpass filters
- **Rackmountable:** Yes (requires optional X: DB4-RK19 rack ear kit)
- **Height:** 3.5"
- **Width:** 12.6" (19" with rack ears fitted)
- **Depth:** 14"
- **Weight:** 11 lbs.
- **Manufacturer Part Number:** AH-XONE: DB4

