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Allen & Heath XONE:K2

Allen & Heath XONE: K2 Audio Interface/DJ Controller

User Manual

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1. INTRODUCTION

The Allen & Heath XONE:K2 is a versatile, slim-profile universal controller designed for digital DJs and live performers. It integrates a 4-channel (2x stereo) audio interface, essential for DJ setups. The XONE:K2 offers extensive control capabilities with 52 physical controls, including faders, knobs, and buttons, which can be assigned across three layers to manage up to 171 MIDI control signals. Connectivity is provided via USB or Allen & Heath's proprietary X:Link standard, allowing for connection to computers or other X:Link compatible devices using a standard LAN cable.

2. WHAT'S IN THE BOX

Upon unpacking your XONE:K2, please ensure all the following items are present:

- Allen & Heath XONE:K2 Controller
- Dedicated carrying case
- USB cable
- LAN cable (for X:Link connectivity)

If any items are missing or damaged, please contact your retailer or Allen & Heath support immediately.

3. SETUP GUIDE

3.1 Connecting to a Computer (USB)

1. **Driver Installation:** Before connecting the XONE:K2, visit the official Allen & Heath website to download and install the latest drivers for your operating system (Mac or PC).
2. **USB Connection:** Connect one end of the supplied USB cable to the USB port on the XONE:K2 and the other end to an available USB port on your computer.

3. **Power On:** The XONE:K2 is typically bus-powered via USB. Ensure your computer is powered on.
4. **Software Configuration:** Open your preferred DJ software (e.g., Ableton Live, Native Instruments Traktor, Virtual DJ). Navigate to the audio/MIDI settings and select the XONE:K2 as your audio interface and MIDI controller.

3.2 Audio Output Connection

The XONE:K2 features a 4-channel (2x stereo) audio interface. This allows for a main stereo output and a separate headphone cue output.

- **Main Output:** Connect the RCA outputs (L/R) on the rear of the XONE:K2 to your DJ mixer, PA system, or recording device.
- **Headphone Output:** Connect your headphones to the mini stereo headphone output for monitoring.



Image: Rear panel connections of the XONE:K2. This view shows the RCA audio outputs (L/R), two X:Link ports (IN and OUT), and the USB port for computer connection.

3.3 X:Link Connection

X:Link is Allen & Heath's proprietary protocol for connecting multiple XONE series devices. Use the supplied LAN cable to connect the XONE:K2 to another X:Link compatible device. Refer to the documentation of the other X:Link device for specific connection and configuration details.

4. OPERATION

4.1 Controller Layout

The XONE:K2 features a total of 52 physical controls, including faders, rotary knobs, and backlit buttons. These controls are arranged in a logical layout for intuitive operation.

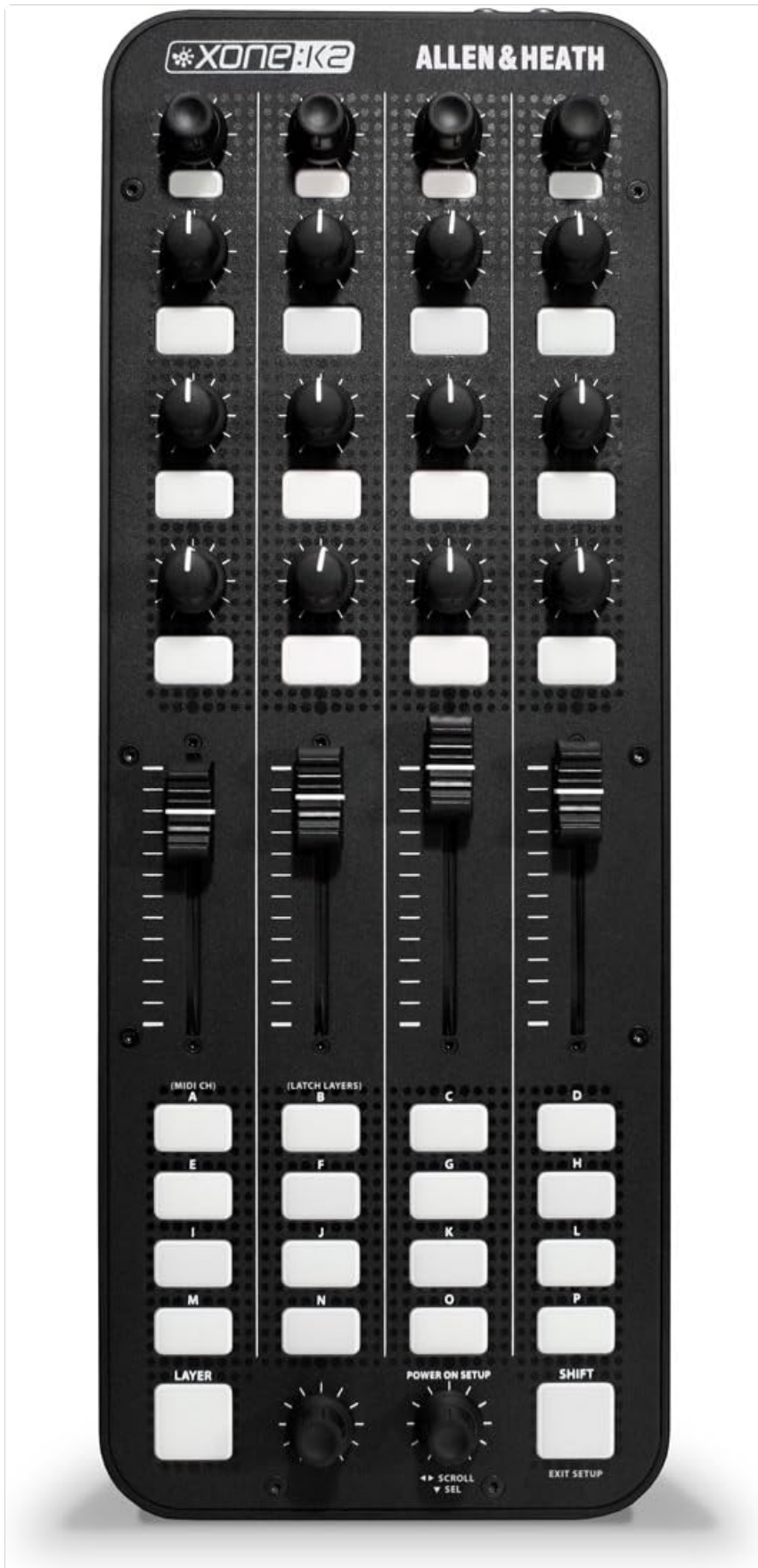


Image: Front panel of the XONE:K2. This view highlights the arrangement of faders, rotary knobs, and backlit buttons, along with the layer selection controls.

4.2 Layer Switching

The XONE:K2 supports three layers of control, allowing each physical control to send up to three different MIDI messages. This expands the total number of assignable MIDI controls to 171.

- **Selecting Layers:** Use the dedicated "LAYER" buttons on the controller to switch between Layer A, Layer B, and Layer C. The LED indicators will show the active layer.
- **MIDI Mapping:** In your DJ or production software, assign different functions to the same physical control for each layer. This allows for complex control setups without needing multiple controllers.

4.3 Audio Interface Functionality

The integrated 4-channel USB audio interface provides high-quality sound output for your performances.

- **Main Output:** Channels 1-2 are typically routed to the RCA main outputs for your audience or recording.
- **Cue Output:** Channels 3-4 are typically routed to the headphone output for pre-listening tracks.
- **Software Routing:** Configure audio routing within your DJ software to utilize the XONE:K2's outputs effectively.

5. KEY FEATURES

- Integrated USB audio interface with 4 outputs (2x stereo: RCA Out / Mini Stereo Headphone Out).
- DJ/MIDI controller with up to 171 MIDI control signals.
- Total of 52 physical controllers (faders, knobs, buttons) switchable across 3 layers.
- High compatibility with various DJ software, including Ableton Live, Native Instruments Traktor, and Virtual DJ.
- Includes a durable carrying case that doubles as a stand, aligning the unit with other XONE series mixers.
- X:Link compatibility for expanding control with other Allen & Heath devices.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your XONE:K2.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the surface of the controller. For stubborn dirt, a slightly damp cloth can be used, but ensure no liquid enters the unit. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the XONE:K2 in its dedicated carrying case to protect it from dust, spills, and physical damage.
- **Environment:** Operate and store the unit in a clean, dry environment, away from extreme temperatures, direct sunlight, and excessive humidity.
- **Cable Care:** Handle USB and X:Link cables carefully. Avoid sharp bends or excessive pulling to prevent damage to the connectors or cables.

7. TROUBLESHOOTING

If you encounter issues with your XONE:K2, consider the following common troubleshooting steps:

- **No Power/No Lights:**
 - Ensure the USB cable is securely connected to both the XONE:K2 and your computer.
 - Try a different USB port on your computer.
 - Verify your computer is powered on and functioning correctly.
- **No Sound Output:**
 - Check all audio cable connections (RCA to mixer/PA, headphones).
 - Confirm the XONE:K2 is selected as the audio output device in your operating system's sound settings

and your DJ software's audio preferences.

- Ensure volume levels are appropriately set on the XONE:K2, your software, and any connected audio equipment.
- Reinstall the audio drivers for the XONE:K2.

- **MIDI Controls Not Responding:**

- Verify the XONE:K2 is recognized as a MIDI input device in your DJ software.
- Check your software's MIDI mapping to ensure controls are correctly assigned to functions.
- Ensure you are on the correct control layer (A, B, or C) for the desired function.
- Restart your computer and the XONE:K2.

- **Software Compatibility Issues:**

- Ensure your DJ software is updated to the latest version.
- Check the Allen & Heath website for specific compatibility notes or firmware updates for the XONE:K2.

If these steps do not resolve the issue, please refer to the Allen & Heath support website or contact their customer service.

8. SPECIFICATIONS

Model Name	XONE:K2
Item Weight	2.2 pounds (approx. 1 kg)
Product Dimensions	14.09 x 1.18 x 5.31 inches (35.8 x 3 x 13.5 cm)
Connectivity Technology	USB, X:Link
Hardware Interface	USB
Compatible Devices	Mac, PC, iPad, iPhone (with appropriate adapters/drivers)
Supported Software	Ableton Live, Native Instruments Traktor, Virtual DJ, and other MIDI-compatible software
Material Type	Metal, Plastic
Mixer Channel Quantity	4 (2 stereo pairs)
Special Feature	Compact design, 3-layer MIDI control, integrated audio interface
First Available Date	March 29, 2012

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Allen & Heath website. Warranty terms and conditions may vary by region.

For technical support, driver downloads, firmware updates, and additional resources, please visit the Allen & Heath support page:

www.allen-heath.com/support/

When contacting support, please have your product model (XONE:K2) and serial number ready.

