

## Allen & Heath AH-QU-5

# Allen & Heath Qu-5 38-channel Digital Mixer User Manual

Model: AH-QU-5

## 1. INTRODUCTION

The Allen & Heath Qu-5 is a compact yet powerful 38-input/24-output, 96kHz digital mixer designed for professional audio applications. It combines advanced XCVI processing with an intuitive interface, making it suitable for various live sound and studio environments. This manual provides essential information for setting up, operating, and maintaining your Qu-5 mixer.

## 2. KEY FEATURES

- **38-in/24-out Digital Mixer:** High-capacity mixing capabilities for complex setups.
- **96kHz XCVI Processing:** Delivers exceptional audio performance and clarity.
- **7-inch Capacitive Touchscreen:** Provides a vibrant and intuitive control interface.
- **17 Motorized 100mm Faders:** Offers precise and responsive hands-on control.
- **16 Premium Digitally Controlled Mic Preamps:** Engineered for pristine transparency and ultra-low noise.
- **32-in/32-out USB-C Audio Interface:** Enables multi-track recording and playback with a computer.
- **SD Card Slot:** Supports direct recording and playback of up to 32 channels.
- **Six Studio-Grade Multi-FX Engines:** Includes dedicated returns for versatile effects processing.
- **Four User-Definable Layers & Eight Programmable SoftKeys:** Customizable controls for personalized workflows.
- **Robust Build Quality:** Constructed for durability and reliability in professional use.

## 3. SETUP

Before operating the Qu-5 mixer, ensure it is placed on a stable, flat surface with adequate ventilation. Connect the power cable to a suitable electrical outlet. For audio connections, use high-quality XLR cables for microphones and line-level inputs. Connect your main outputs to your amplification system or powered speakers. The USB-C port allows connection to a computer for audio interface functionality, while the SD card slot is used for direct recording and playback.



Figure 3.1: Front view of the Allen & Heath Qu-5 Digital Mixer, showing faders, knobs, and touchscreen interface.



Figure 3.2: Rear view of the Allen & Heath Qu-5 Digital Mixer, illustrating various input and output ports for connectivity.

## 4. OPERATING THE MIXER

The Qu-5 offers both touchscreen and physical controls for operation. The 7-inch capacitive touchscreen provides access to detailed settings, routing, and effects. Physical faders and rotary encoders allow for immediate adjustments to channel levels, EQ, and other parameters. You can easily navigate between different layers to access all available channels.

### 4.1 Channel Management

- **Faders:** Use the 100mm motorized faders to control individual channel levels.
- **EQ and Dynamics:** Adjust equalization and dynamics processing for each channel using the dedicated controls or the touchscreen interface.
- **Channel Copy:** The mixer allows you to copy settings from one channel to another, including EQ and dynamics, streamlining setup for similar inputs.

- **SoftKeys:** Utilize the programmable SoftKeys for quick access to frequently used functions or custom commands.



Figure 4.1: Angled view of the Qu-5 mixer, highlighting the ergonomic layout of controls and the touchscreen.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Qu-5 mixer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the surface with a soft, dry cloth. Avoid abrasive cleaners or solvents. For the touchscreen, use a microfiber cloth specifically designed for electronics.
- **Ventilation:** Ensure that the mixer's ventilation openings are not obstructed to prevent overheating.
- **Storage:** When not in use, store the mixer in a clean, dry environment, ideally covered to protect it from dust.
- **Cable Management:** Organize cables neatly to prevent damage and ensure reliable connections.

## 6. TROUBLESHOOTING

If you encounter issues with your Qu-5 mixer, consider the following basic troubleshooting steps:

- **No Power:** Check the power cable connection and ensure the power switch is in the 'On' position. Verify the power outlet is functional.
- **No Audio Output:** Confirm that input sources are connected correctly and active. Check fader levels, mute buttons, and main output levels. Verify routing settings on the touchscreen.
- **Distorted Audio:** Reduce input gain levels to prevent clipping. Check cable integrity and ensure all connections are secure.
- **Touchscreen Unresponsive:** Try restarting the mixer. If the issue persists, consult the full Allen & Heath Qu-5 user manual for advanced diagnostics.

For more detailed troubleshooting or technical support, refer to the official Allen & Heath support

resources.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	AH-QU-5
Number of Channels	38 (input) / 24 (output)
USB-C Audio Interface	32-in/32-out
Touchscreen Size	7-inch Capacitive
Motorized Faders	17 x 100mm
Mic Preamps	16
Item Weight	27.4 pounds
Product Dimensions	25.3 x 22.8 x 12 inches
Power Source	Corded Electric
Connectivity Technology	USB

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, and service, please refer to the official Allen & Heath website or the documentation included with your purchase. It is recommended to register your product to receive updates and support.