

HAYDEN HY-A4

HAYDEN HY-A4 4-Channel Mixer Instruction Manual

Professional Audio Mixing Console

1. INTRODUCTION

The HAYDEN HY-A4 is a professional 4-channel audio mixing console designed for a wide range of applications including recording, podcasting, DJing, live streaming, and performances. It features XLR and 6.3mm balanced inputs, built-in Bluetooth, a USB sound card, 48V phantom power, 3-band EQ, and digital reverb. This manual provides essential information for the safe and effective use of your HY-A4 mixer.

2. SAFETY INFORMATION

- Read all instructions before operating the device.
- Keep the mixer away from water or moisture to prevent electric shock.
- Do not open the casing; refer all servicing to qualified personnel.
- Use only the provided power adapter or a compatible 5V 2.5A power supply.
- Ensure proper ventilation around the unit to prevent overheating.
- Avoid placing heavy objects on the mixer.

3. SETUP

3.1 Power Connection

Connect the provided 5V 2.5A power adapter to the mixer's power input and then to a suitable power outlet. The mixer can also be powered via USB 5V for outdoor use with a power bank.

MULTIFUNCTIONAL MIXING CONSOLE

CONVENIENT AND PRACTICAL · LIGHT AND CONVENIENT · COMPLETE FUNCTION


Bluetooth
connection

48V
48V
power supply


Real-time
monitoring


Bottom
noise reduction



Figure 3.1: Connecting the 5V power adapter to the HY-A4 mixer.

3.2 Input Connections

The HY-A4 mixer offers various input options:

- **Channels 1 & 2 (XLR/6.3mm Combo Jacks):** Connect microphones (dynamic or condenser) or instruments. For condenser microphones, activate 48V phantom power.
- **Channels 3/4 (6.3mm L/Mono & R Jacks):** Connect stereo line-level devices such as electronic keyboards or other audio players.
- **USB Audio:** Connect the mixer to a computer via a USB cable (not included) to use it as a USB sound card for recording or playback.
- **Bluetooth:** Pair your mobile device wirelessly for audio streaming.

CONNECT SUITABLE DEVICES



Figure 3.2: Connection diagram illustrating various input and output options for the HY-A4 mixer, including guitars, microphones, electronic keyboards, and laptops.

3.3 Output Connections

- **Main Output (RCA L/R):** Connect to a power amplifier, active speakers, or a recording device.
- **Phones Output (3.5mm & 6.5mm):** Connect headphones for monitoring.
- **REC Output (RCA L/R):** Dedicated output for recording devices.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

Familiarize yourself with the mixer's controls:



HY-A4 PROFESSIONAL 4-CHANNEL MIXING CONSOLE

AUX PATHS EFFECTS PROCESSOR



Figure 4.1: Detailed view of the HY-A4 mixer's control panel, showing input jacks, gain knobs, EQ controls, effect regulation, channel volume adjustments, and USB/MP3 controls.

- **Gain Knobs:** Adjust the input sensitivity for each channel. Start with low gain and increase as needed.
- **HI-Z Switch:** Activates high impedance input for instruments like guitars on channels 1 and 2.
- **+48V Phantom Power Switch:** Supplies 48V power to condenser microphones. Activate only when using condenser microphones.
- **HI/LOW EQ Knobs:** Adjust the high (12KHz) and low (80Hz) frequencies for each channel by +/-15dB.
- **EFF Knobs:** Control the amount of effect (reverb) applied to each channel.
- **LEVEL Knobs:** Adjust the output volume for each individual channel.
- **PK (Peak) LED:** Illuminates when the input signal is too high, indicating potential clipping. Reduce gain if this LED lights up frequently.
- **USB/MP3 Section:** Features a digital display, playback controls (play/pause, next/previous), mode selection (USB, Bluetooth, MP3), and dedicated volume controls (DEL, REP, MAIN, PHONES).
- **DEL (Delay) Knob:** Adjusts the delay effect.
- **REP (Repeat) Knob:** Adjusts the repeat of the delay effect.
- **MAIN Knob:** Controls the overall main output volume.

- **PHONES Knob:** Adjusts the headphone output volume.

4.2 Bluetooth Pairing

1. Press the 'MODE' button in the USB/MP3 section until 'BT' appears on the digital display.
2. On your mobile device, search for Bluetooth devices and select 'HY-A4'.
3. Once paired, you can stream audio wirelessly to the mixer.

4.3 USB Audio Interface Functionality

When connected to a computer via USB, the HY-A4 acts as an external sound card. You can use it for:

- **Recording:** Capture audio from the mixer's inputs directly to your computer using recording software.
- **Playback:** Play audio from your computer through the mixer's main outputs.

4.4 Monitoring

Use the dual headphone outputs (3.5mm and 6.5mm) to monitor your mix in real-time. Adjust the 'PHONES' knob to control the monitoring volume.



Figure 4.2: A user monitoring audio feedback in real-time using headphones connected to the HY-A4 mixer, allowing for immediate sound adjustments.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Do not use liquid cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or crimping cables excessively. Disconnect cables by pulling the plug, not the cable itself.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Main volume too low; incorrect cable connection; amplifier/speaker off.	Increase MAIN volume; check all cable connections; ensure connected devices are powered on.
No input signal	Channel gain too low; incorrect input selected; microphone/instrument issue.	Increase channel GAIN; ensure correct input (XLR/6.3mm) is used; test microphone/instrument separately.
Condenser mic not working	48V Phantom Power not activated.	Press the +48V switch to activate phantom power.
Distorted audio (PK LED on)	Input signal is too strong.	Reduce the GAIN knob for the affected channel until the PK LED no longer illuminates.
Bluetooth not connecting	Mixer not in Bluetooth mode; device not discoverable.	Press MODE button until 'BT' is displayed; ensure your device's Bluetooth is on and discoverable.
Poor USB recording quality	Incorrect software settings; driver issues; interference.	Check recording software input settings; ensure correct drivers are installed (if required); try a different USB port or cable.

7. SPECIFICATIONS

Feature	Detail
Model	HY-A4
Number of Channels	4
Inputs	XLR, 1/4" (TRS), USB, Bluetooth
Phantom Power	48V (switchable)
EQ	3-Band (High 12KHz, Low 80Hz ±15dB)
Effects	Digital Reverb, Delay
Headphone Outputs	3.5mm & 6.5mm (300mW output)
USB Functionality	USB Sound Card, MP3 Playback
Power Supply	5V DC, 2.5A (Corded Electric or USB 5V)
Product Dimensions	18 x 16 x 5 cm
Item Weight	700 g

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact HAYDEN customer service. Keep your proof of purchase for warranty claims.