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› **Hayden Richtone 4 Channel OTG Mixer User Manual - Model HY-A4**

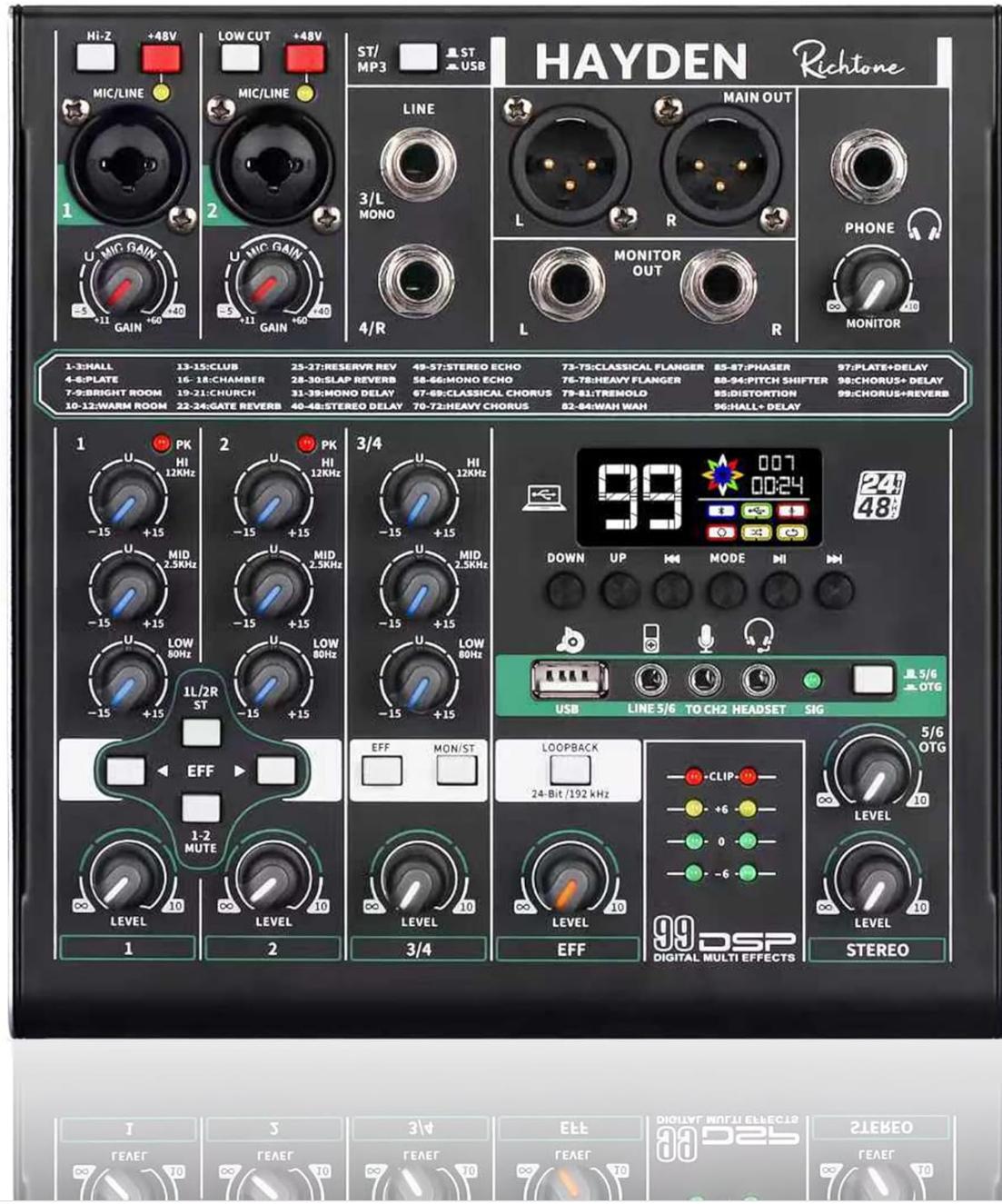
Hayden HY-A4

Hayden Richtone 4 Channel OTG Mixer User Manual

Model: HY-A4

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Hayden Richtone 4 Channel OTG Mixer. Designed for versatility, this professional USB audio interface and DJ mixer is suitable for mobile, PC, studio recording, streaming, karaoke, and live sound applications. Please read this manual thoroughly to ensure optimal performance and longevity of your device.



Front view of the Hayden Richtone 4 Channel OTG Mixer, showcasing its various controls and inputs.

PRODUCT FEATURES

- OTG Connectivity:** Directly connects to smartphones, laptops, and PCs via USB for instant plug-and-play recording or streaming.
- Multi-Function Mixer:** Ideal for DJ setups, karaoke, podcasting, studio recording, and live sound applications.
- Clear Audio Output:** Professional-grade sound with minimal distortion and stable performance.
- Portable & Durable:** Compact, lightweight design with a sturdy chassis for home, studio, and stage use.
- User-Friendly Controls:** Easy adjustments for volume, EQ, and effects, suitable for both beginners and professionals.
- Professional Input Options:** Features +48V Phantom power for condenser microphones and Hi-Z support for direct instrument connection.
- 99 DSP Digital Effects:** Integrated digital signal processing with 99 effects for enhanced audio.

Professional Input Options: +48V Phantom & Hi-Z Support

48V

+48V Phantom power Supply

Power Your Microphones
with True Studio Strength.



Hi-Z

Hi-Z for True Instrument Power

Connect guitars, basses &
high-impedance instruments directly

Illustration highlighting the +48V Phantom power and Hi-Z input capabilities of the mixer.

SETUP GUIDE

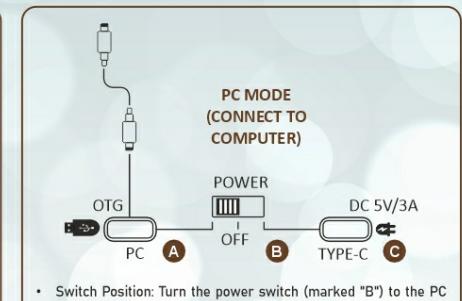
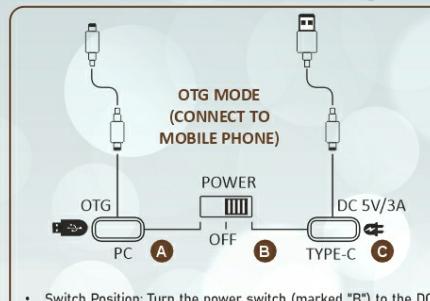
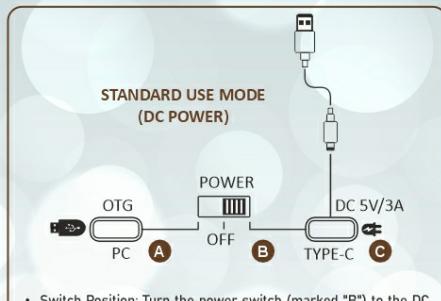
1. Power Connection

The mixer can be powered via a DC 5V/3A adapter or through a USB connection to a PC. Ensure the power switch is in the correct position for your chosen power source.

2. Initial Device Connection

- For Mobile Devices (OTG Mode):** Connect your mobile phone to the OTG/PC port (marked "A") using a compatible OTG cable. A DC power supply is required for full mixer functionality when connected to a mobile device.
- For PC (PC Mode):** Connect the mixer to your computer via the USB Type-C cable to the OTG/PC port (marked "A"). The mixer draws all required operating power directly from the computer via the USB Type-C cable, eliminating the need for a separate DC power cable unless audio transmission is not required.
- Standard Use (DC Power):** Connect a DC power adapter or power bank to the DC port (marked "C") to power the mixer. The OTG/PC port (marked "A") can be used for audio transmission without providing power.

Power Switch / OTG /PC Usage instructions



- Switch Position: Turn the power switch (marked "B") to the DC position.
- Power Connection: Connect a DC power adapter or power bank to the DC port (marked "C") to power the mixer.
- Port Connection: No need to connect the OTG/PC port (marked "A") (unless audio transmission is required).
- Purpose: The most common power supply method, provides power for all mixer functions.

- Switch Position: Turn the power switch (marked "B") to the DC position.
- Power Connection: You must connect a DC power adapter or power bank to the DC port (marked "C") to power the mixer.
- Port Connection: Use a compatible OTG cable to connect your phone to the OTG/PC port (marked "A").
- Purpose: Connects to a phone for recording, playback, live-streaming, etc.

- Switch Position: Turn the power switch (marked "B") to the PC position.
- Power Connection: No need to connect a DC power cable to the DC port (marked "C").
- Port Connection: Use a USB Type-C cable to connect the computer to the OTG/PC port (marked "A").
- Purpose: Connects to a computer for recording or playing computer audio. The mixer draws all required operating power directly from the computer via the USB Type-C cable.

NOTE: THE OTG PORT IS PRIMARILY DESIGNED FOR DATA TRANSFER. WHEN CONNECTED TO A MOBILE PHONE, IT CANNOT PROVIDE SUFFICIENT POWER TO THE MIXER. THEREFORE, A DC POWER SUPPLY MUST BE USED.

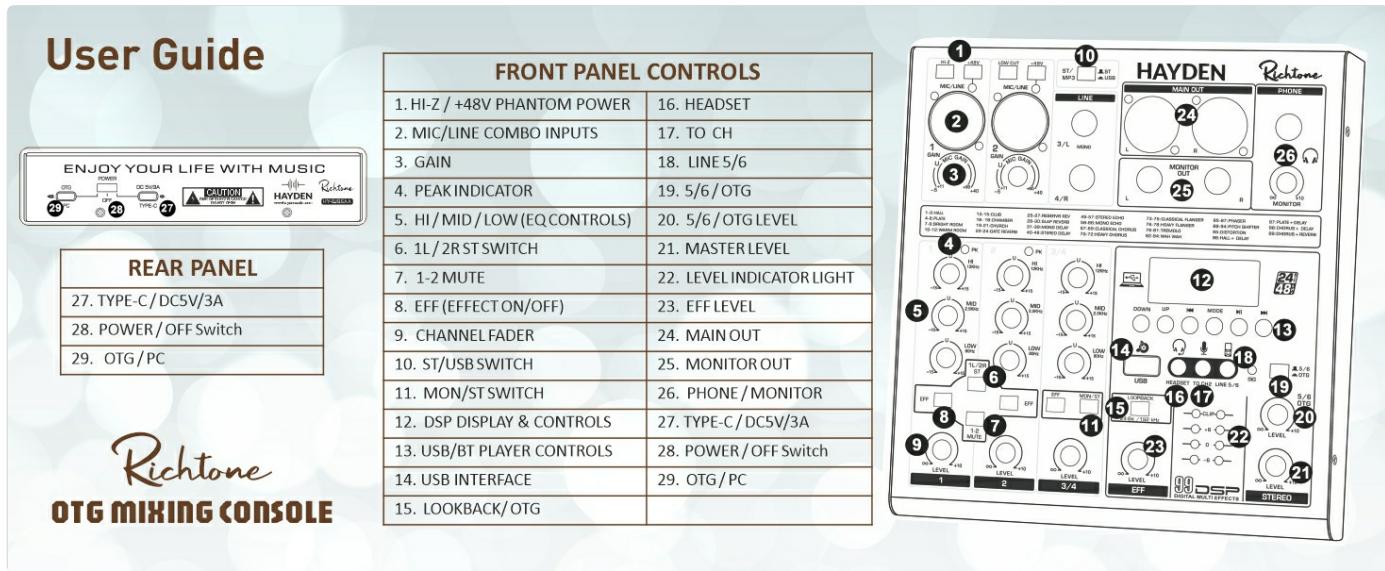
Diagram illustrating the different power and connection modes for OTG, PC, and standard DC power usage.

3. Connecting Audio Sources

Refer to the "Connection Diagrams" section for visual guidance on connecting microphones, instruments, and other audio equipment.

OPERATING INSTRUCTIONS

Front Panel Controls Overview



Detailed diagram of the mixer's front panel with numbered controls and their corresponding functions.

- HI-Z / +48V Phantom Power:** Input for high-impedance instruments or condenser microphones requiring phantom power.
- MIC/LINE Combo Inputs:** Connect microphones (XLR) or line-level instruments (TRS).
- GAIN:** Adjusts the input sensitivity for each channel.
- PEAK Indicator:** Lights up when the input signal is too high, indicating potential clipping.
- HI/MID/LOW (EQ Controls):** Equalizer controls for adjusting high, mid, and low frequencies for each channel.
- 1L/2R Switch:** Assigns input channels to left/right stereo.
- 1-2 MUTE:** Mutes channels 1 and 2.
- EFF (Effect On/Off):** Activates or deactivates the digital effects for the channel.
- CHANNEL FADER:** Adjusts the volume level for individual channels.
- ST/USB Switch:** Selects between stereo input or USB audio input.
- MON/ST Switch:** Selects between monitor output or stereo output.
- DSP Display & Controls:** Digital display for effects and control buttons (DOWN, UP, MODE, etc.).
- USB/BT Player Controls:** Controls for USB playback or Bluetooth connection.
- USB Interface:** USB port for connecting a USB drive for playback.
- LOOPBACK/OTG:** Switch for loopback function or OTG mode.
- HEADSET:** Headset connection port.
- TO CH:** Routes audio to a specific channel.
- LINE S/6:** Line input for channels 5/6.
- 5/6 / OTG Level:** Adjusts the level for channels 5/6 or OTG input.
- MASTER LEVEL:** Controls the overall output volume.
- LEVEL INDICATOR LIGHT:** Visual display of output levels.
- EFF LEVEL:** Adjusts the overall level of the digital effects.
- MAIN OUT:** Main audio output (XLR).

24. **MONITOR OUT:** Monitor audio output (TRS).
25. **PHONE / MONITOR:** Headphone output with monitor control.
26. **TYPE-C / DC5V/3A:** Power input port.
27. **POWER/OFF Switch:** Main power switch.
28. **OTG/PC:** Port for OTG or PC connection.

DSP Digital Effects

The mixer includes 99 built-in Digital Signal Processing (DSP) effects to enhance your audio. Use the DSP Display & Controls (12) to select and adjust effects.

Experience Studio-Level Mixing with 99 DSP Digital Effects



99 DSP

PRO EFFECTS

1-3 : HALL	28-30 : SLAP REVERB	79-81 : TREMOLO
4-6 : PLATE	31-39 : MONO DELAY	82-84 : WAH WAH
7-9 : BRIGHT ROOM	40-48 : STEREO DELAY	85-87 : PHASER
10-12 : WARM ROOM	49-57 : STEREO ECHO	88-94 : PITCH SHIFTER
13-15 : CLUB	58-66 : MONO ECHO	95 : DISTORTION
16-18 : CHAMBER	67-69 : CLASSICAL CHORUS	96 : HALL + DELAY
19-21 : CHURCH	70-72 : HEAVY CHORUS	97 : PLATE + DELAY
22-24 : GATE REVERB	73-75 : CLASSICAL FLANGER	98 : CHORUS + DELAY
25-27 : RESERVR REV	76-78 : HEAVY FLANGER	99 : CHORUS + REVERB

List of 99 DSP effects available on the Hayden Richtone mixer, including various reverbs, delays, chorus, flanger, and more.

Common effects include:

- **Reverb:** Hall, Plate, Bright Room, Warm Room, Club, Chamber, Church, Gate Reverb, Reservr Rev, Slap Reverb.
- **Delay:** Mono Delay, Stereo Delay.
- **Echo:** Mono Echo, Stereo Echo.
- **Chorus:** Classical Chorus, Heavy Chorus.
- **Flanger:** Classical Flanger, Heavy Flanger.
- **Other:** Tremolo, Wah Wah, Phaser, Pitch Shifter, Distortion, and various combinations of effects.

CONNECTION DIAGRAMS

The following diagrams illustrate typical connection setups for various applications.

Connection Guide



Visual guide demonstrating how to connect various audio devices like guitars, microphones, electronic organs, power amplifiers, headsets, and monitor speakers to the mixer.

This diagram shows connections for:

- Microphones:** Connected to MIC/LINE combo inputs.
- Guitar/Electronic Organ:** Connected to HI-Z or LINE inputs.
- Computer/Mobile Phone:** Connected via OTG/PC port.
- USB Drive:** Connected to the USB interface.
- Headphones/Monitor Speakers:** Connected to PHONE/MONITOR OUT.
- Power Amplifier:** Connected to MAIN OUT.

SPECIFICATIONS

Brand	Hayden
Model Number	HY-A4
Number of Channels	4
Product Dimensions	18 x 4.8 x 16.2 cm (180D x 48W x 162H Millimeters)
Item Weight	700 g
Power Source	Corded Electric (DC 5V/3A)
Connectivity	USB, OTG, Bluetooth (via USB/BT Player)
DSP Effects	99 Digital Multi Effects

TROUBLESHOOTING

- No Sound Output:**
 - Check all cable connections (input, output, power).
 - Ensure master volume and individual channel faders are up.
 - Verify that the correct input source (e.g., USB, Line) is selected.
 - If using phantom power, ensure it is activated for condenser microphones.

- Check the "PEAK" indicator; if constantly lit, reduce input gain.

- **Distorted Sound:**

- Reduce input GAIN for channels where the PEAK indicator is active.
- Check output levels to ensure they are not clipping.
- Ensure cables are not damaged and are properly seated.

- **OTG/PC Connection Issues:**

- Ensure the power switch is in the correct OTG or PC position.
- For mobile OTG, confirm your device supports OTG and that a DC power supply is connected to the mixer.
- Try a different USB cable.
- On PC, check device manager for driver installation (usually plug-and-play, but verify).

- **Effects Not Working:**

- Ensure the EFF button for the channel is activated.
- Adjust the EFF LEVEL knob.
- Check the DSP display to confirm an effect is selected.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid abrasive cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Hayden website. Keep your proof of purchase for any warranty claims.

Manufacturer: SPECTRUM & CO. Mkt. by haydenaudio.com

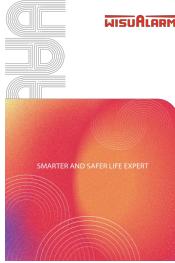
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Related Documents - HY-A4



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