Logitech G 939-002126

Logitech G Astro A50 X Omni-Platform Wireless Gaming Headset User Manual

Model: 939-002126

Introduction

The Logitech G Astro A50 X Omni-Platform Wireless Gaming Headset with Base Station is engineered for an unparalleled gaming audio experience across multiple platforms. This advanced system features PLAYSYNC technology for seamless switching between Xbox, PlayStation 5, and PC, alongside PRO-G GRAPHENE audio drivers for exceptional clarity. With pro-grade LIGHTSPEED wireless connectivity and HDMI 2.1 Passthru, the A50 X delivers high-fidelity audio and visual performance, ensuring an immersive and responsive gaming session.
This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Astro A50 X headset and base station.

Product Overview

Familiarize yourself with the components of your Logitech G Astro A50 X system.

Package Contents

- Logitech G Astro A50 X Wireless Headset
- Astro A50 X Base Station
- Headband
- Ear Cushions
- USB-C to USB-A Cable
- HDMI 2.1 Cable

Headset and Base Station Components



Figure 1: Logitech G Astro A50 X Headset and Base Station. The headset is shown docked in its charging base station, highlighting its sleek black design and integrated controls.



Figure 2: Labeled diagram of the Astro A50 X headset and base station. Key components include the flip-to-mute mic, PRO-G Graphene drivers, PLAYSYNC input cycle button, game/chat balance control, HDMI 2.1 and USB-C ports, and LIGHTSPEED + Bluetooth indicators.

1. **Flip-to-Mute Mic:** Integrated microphone that mutes when flipped up.
2. **PRO-G Graphene Drivers:** Advanced audio drivers for precise sound.
3. **PLAYSYNC Input Cycle Button:** Button on the headset to switch between connected platforms.
4. **Game/Chat Balance Control:** Adjusts the balance between game audio and chat audio.
5. **HDMI 2.1, USB-C Ports:** Connectivity ports on the base station for video and audio passthrough and power.
6. **LIGHTSPEED + Bluetooth Indicators:** LEDs on the base station indicating wireless connection status.

Setup

Follow these steps to set up your Astro A50 X headset and base station for optimal performance.

Initial Charging

Before first use, fully charge the headset by placing it on the Base Station. Ensure the headset is properly seated in the

magnetic dock. The Base Station's LED indicators will show charging status.



Figure 3: The Astro A50 X headset docked in its base station, illustrating the charging process and the base station's LED display.

Connecting the Base Station

The A50 X Base Station supports simultaneous connection to Xbox, PlayStation 5, and PC. Use the provided HDMI 2.1 and USB cables for connection.



Figure 4: Close-up of the Astro A50 X Base Station's rear ports, showing HDMI In (Xbox, PS), USB ports, 5V DC power input, and HDMI Out. This setup enables HDMI 2.1 passthrough for 4K 120Hz video and high-resolution audio.

1. **Power Connection:** Connect the 5V DC power adapter to the Base Station and a power outlet.
2. **HDMI Passthru:**
    - Connect your console (Xbox Series X|S or PlayStation 5) HDMI output to the corresponding HDMI IN port on the Base Station.
    - Connect the HDMI OUT port on the Base Station to your TV or monitor's HDMI input.
    - This allows for 4K 120Hz VRR video passthrough while routing audio to the headset.
3. **USB Connection:**
    - Connect the USB-C to USB-A cable from the Base Station's USB port (labeled for Xbox, PS, or PC) to your console or PC. This provides power and data for chat audio and firmware updates.
4. **PC Setup:** For PC, connect the USB cable to your PC and select "PC" mode on the Base Station. Install the Logitech G HUB software for full customization.

Software Installation (Logitech G HUB)

For advanced customization, including 10-band parametric EQ, mic settings, noise reduction, and stream output mixing, download and install the Logitech G HUB software from the official Logitech G website. A mobile app is also available for on-the-go control.



Figure 5: Screenshot of the Logitech G HUB software interface, demonstrating advanced audio controls and customization options for the headset.

Operating Instructions

Learn how to use your Astro A50 X headset's features during gameplay.

PLAYSYNC Multi-System Switching

The PLAYSYNC feature allows you to seamlessly switch between your connected Xbox, PlayStation 5, and PC. Simply press the PLAYSYNC input cycle button on the headset to toggle between platforms. The Base Station's display will indicate the active platform.



Figure 6: The Astro A50 X Base Station positioned between an Xbox Series X, PlayStation 5, and a PC, illustrating its ability to connect to all three systems simultaneously via PLAYSYNC.

On-Ear Controls

- **Volume Wheel:** Located on the right earcup, rotate to adjust overall audio volume.
- **Game/Chat Balance:** Buttons on the right earcup allow you to prioritize game audio or chat audio.
- **Flip-to-Mute Microphone:** Flip the microphone boom arm up to mute your microphone. Flip it down to unmute.



Figure 7: A user wearing the Astro A50 X headset, highlighting the position and design of the broadcast-quality microphone, which offers 48 kHz wireless fidelity.

Battery Life and Charging

The headset provides up to 24 hours of playtime at 78 dB. To charge, simply place the headset on the Base Station. The magnetic connection ensures proper alignment and charging. The Base Station's LEDs indicate battery level.



Figure 8: A gamer actively using the Astro A50 X headset, emphasizing the long-lasting 24-hour battery life for extended gaming sessions.

Dual-Device Mixing (LIGHTSPEED & Bluetooth)

The A50 X allows you to hear audio from two devices simultaneously. Connect to your console via LIGHTSPEED wireless for game audio and pair your phone via Bluetooth for calls or music. Use the headset controls to manage both audio streams.



Figure 9: Close-up of the Astro A50 X earcup, highlighting the controls for dual-device mixing, allowing simultaneous LIGHTSPEED game audio and Bluetooth mobile audio.

Maintenance

Proper care and maintenance will extend the life of your Astro A50 X headset.

- **Cleaning:** Use a soft, dry cloth to clean the headset and Base Station. Avoid abrasive cleaners or solvents. For ear cushions, gently wipe with a damp cloth and allow to air dry completely.
- **Storage:** When not in use, always dock the headset on the Base Station to ensure it remains charged and protected. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To maintain battery health, avoid fully discharging the headset frequently. Regular docking on the Base Station helps keep the battery optimally charged.

Troubleshooting

If you encounter issues with your Astro A50 X headset, refer to the following common solutions.

Problem	Possible Solution
No audio from headset	◦ Ensure the headset is powered on and paired with the Base Station. ◦ Verify the Base Station is set to the correct platform (Xbox, PS, PC). ◦ Check all cable connections (HDMI, USB) between the Base Station, console/PC, and display. ◦ Adjust the volume wheel on the headset. ◦ Confirm audio output settings on your console/PC are set to the Astro A50 X.
Microphone not working	◦ Ensure the microphone boom arm is flipped down (unmuted). ◦ Check microphone input settings on your console/PC. ◦ Verify the game/chat balance control is not set entirely to game audio. ◦ Restart the headset and Base Station.
Headset not charging	◦ Ensure the headset is properly seated in the Base Station's magnetic dock. ◦ Check the power connection to the Base Station. ◦ Clean the charging contacts on both the headset and Base Station.
Connectivity issues (dropping out)	◦ Ensure the Base Station is not obstructed and is within range of the headset. ◦ Minimize interference from other wireless devices (e.g., Wi-Fi routers, cordless phones). ◦ Update headset and Base Station firmware via Logitech G HUB.

For more detailed troubleshooting and support, refer to the Logitech G HUB software or visit the official Logitech G support website.

Specifications

Feature	Detail
Model Number	939-002126
Product Dimensions	9.03 x 5.61 x 11.24 inches
Item Weight	0.061 ounces
Batteries	1 Lithium Polymer battery (included)
Connectivity	LIGHTSPEED Wireless (2.4GHz), Bluetooth, HDMI 2.1 Passthru
Audio Drivers	PRO-G GRAPHENE (40 mm diameter)
Audio Fidelity	Up to 24 bit/48 kHz
Video Passthru	4K 120Hz VRR (HDMI 2.1)
Battery Life	Up to 24 hours (at 78 dB)
Microphone	Broadcast-quality, 48 kHz full-bandwidth LIGHTSPEED mic uplink
Compatibility	Xbox, PlayStation 5, PC
Country of Origin	China

Warranty and Support

Logitech G products are designed for durability and performance. For information regarding your product's warranty, please refer to the warranty documentation included with your purchase or visit the official Logitech G support website. For technical assistance, frequently asked questions, and driver downloads, please visit theLogitech G Support Page.

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