Machenike G5 PRO V2

Machenike G5Pro V2 Wireless Gaming Controller User Manual

1. INTRODUCTION

This manual provides detailed instructions for the Machenike G5Pro V2 Wireless Gaming Controller. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance across supported platforms including Nintendo Switch, PC, iOS, and Android devices.

The Machenike G5Pro V2 features advanced technologies such as hot-swappable Hall joysticks, optical triggers, optical micro switches, and customizable RGB backlighting, designed to enhance your gaming experience.

Image 1.1: Machenike G5Pro V2 Wireless Gaming Controller.

2. SETUP

2.1 Connectivity Options

The Machenike G5Pro V2 offers three connectivity modes:

- **Wired Connection:** Connect the controller directly to your PC or Nintendo Switch using the provided 2m USB 2.0 cable. This mode supports PC and Nintendo Switch.
- **2.4GHz Wireless Connection:** Use the included 2.4GHz dongle for wireless connectivity with PC, Nintendo Switch, TV, and other USB-connected Android devices.
- **Bluetooth Connection:** Pair the controller via Bluetooth with PC, Nintendo Switch, iOS, Android, and compatible car platforms.

Image 2.1: Overview of supported platforms and connectivity methods.

2.2 Initial Charging

Before first use, fully charge the controller. The controller is powered by a 600mAh Li-Ion battery. Connect the controller to a USB power source using the USB-C cable. A full charge provides up to eight hours of uninterrupted gaming.

3. OPERATING INSTRUCTIONS

3.1 Buttons and Switches

- **Optical Micro Switches:** The face buttons (A, B, X, Y) utilize optical micro switches for light-speed activation, offering 70% faster response times compared to traditional mechanical buttons. They feature friction-free operation and a lifespan exceeding 10 million presses.

- **Mappable Advanced Gaming Buttons (M1-M4):** The controller includes four additional mappable buttons (M1, M2, M3, M4) located on the underside. These buttons can be configured for macro recording, button remapping, or one-key rapid fire functions, allowing for up to 32 actions with a single press.
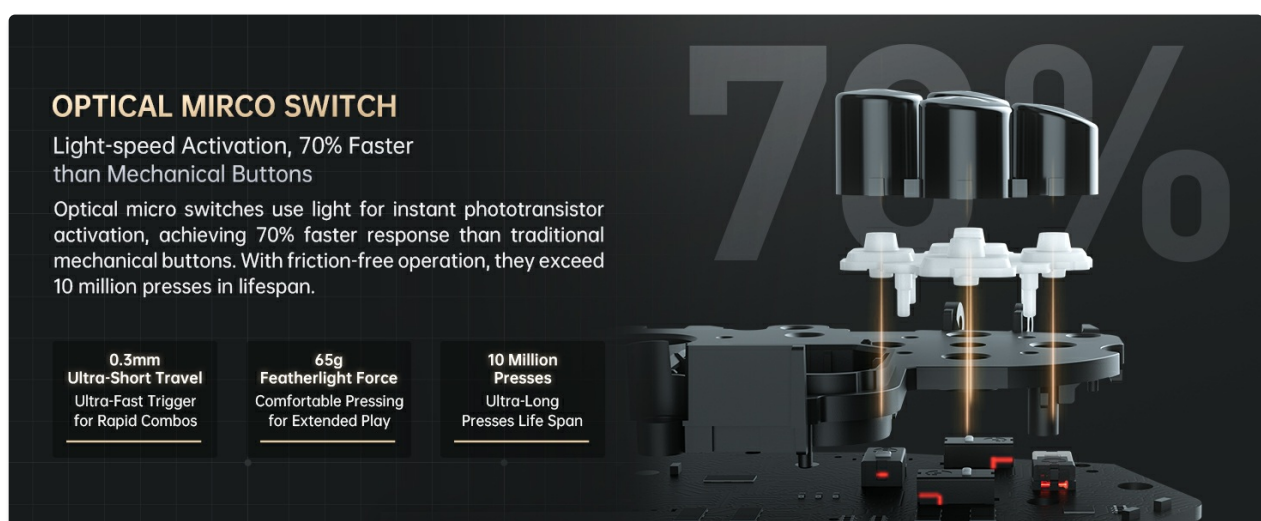

Image 3.1: Detailed view of the optical micro switch mechanism.

Image 3.2: Location and function of mappable M1-M4 buttons.

3.2 Joysticks

- **JH20 Hot-Swappable Hall Joysticks:** The controller features next-generation Hall effect joysticks with a 4000-level resolution, offering three times more precision than traditional joysticks. The 4K+ resolution provides enhanced clarity, and the Blade Rotation Structure ensures 200% smoother operation. A centering deviation of less than 1 degree guarantees pinpoint accuracy. The hot-swappable design allows for easy replacement and customization.

- **Adjustable Dead Zones:** Utilize the mobile application to adjust the dead zone from 0-100 for both left and right joysticks.

- **Dual Dead Zone Mode:** Switch between 0% dead zone for precise aiming in FPS games and 10% dead zone for quick control in other game genres.

- **Square/Circular Gate Switching:** Instantly toggle between square and circular gate modes for different control preferences.
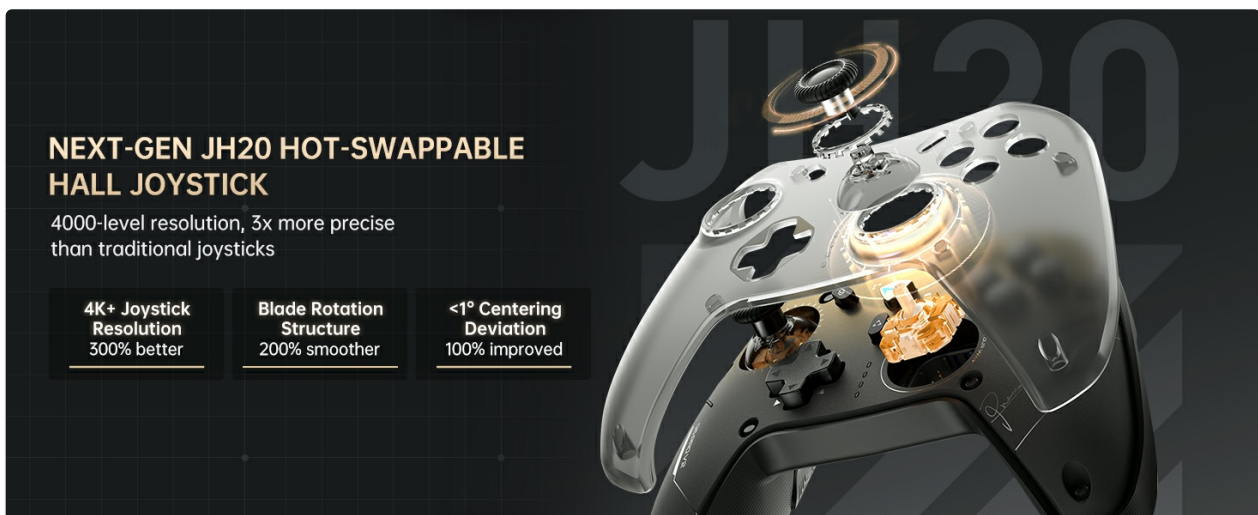

Image 3.3: Features of the JH20 Hot-Swappable Hall Joystick.

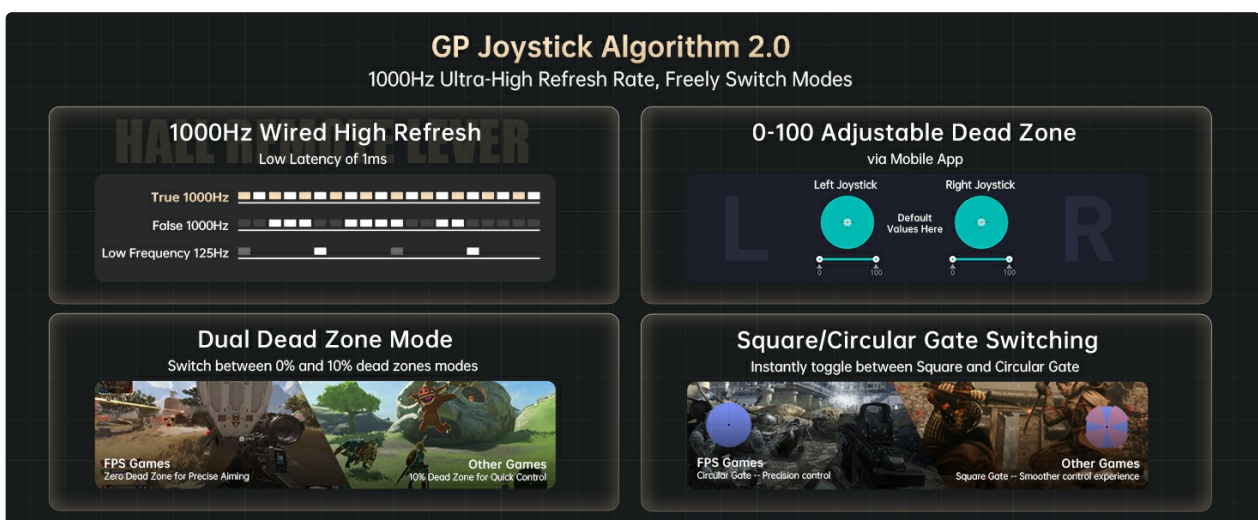Image 3.4: Illustration of the hot-swappable joystick mechanism.

Image 3.5: Customization options for joystick dead zones and gate switching.

3.3 Triggers

- **Innovative Optical Triggers:** The triggers provide unmatched sensitivity and stability, free from magnetic interference, for smooth and precise control. They offer rapid response times and increased lifespan.

- **Two-Stage Trigger Lock:** Adjust trigger travel with a physical switch.

  - **9.6mm Optical Linear:** Stepless precision control with 22° rotation and 19.6mm control travel for racing games.

  - **2.8mm Quick-Actuation Trigger:** Rapid fire capability with 7° rotation and 2.8mm control travel for first-person shooters.

- **Scenario-Based Trigger Vibration:** An independent smart control IC provides three modes for diverse and refined haptic feedback:

  - **Linear Response Mode:** Stronger vibration feedback with longer trigger press.

  - **Game-native Trigger Vibration Mode:** Native trigger vibration for immersive gaming experiences.

  - **Linked Vibration Mode:** Trigger and grip vibrations synchronize for immersive feedback.

Image 3.6: Explanation of the two-stage trigger lock feature.

Image 3.7: Details on the three trigger vibration modes.

3.4 RGB Backlight

The controller features customizable RGB LEDs with 5 distinct lighting modes. You can adjust keyframe animation, speed, and brightness. Choose from a palette of five vibrant light bead colors to personalize your controller's appearance.

3.5 Motion Control

The Machenike G5Pro V2 includes 6-axis gyro motion control. This function is available only in Nintendo Switch (NS) mode. When using 2.4G or wired connection, a manual switch to NS mode may be required for motion sensing functionality.

Image 3.8: Illustration of 6-axis gyro motion control.

3.6 Customization with Mobile App

For advanced customization, download the dedicated mobile application. The app allows for over 100 detailed adjustments, including button remapping, joystick calibration, trigger settings, combo configurations, lighting effects, rumble motor adjustments, and more.
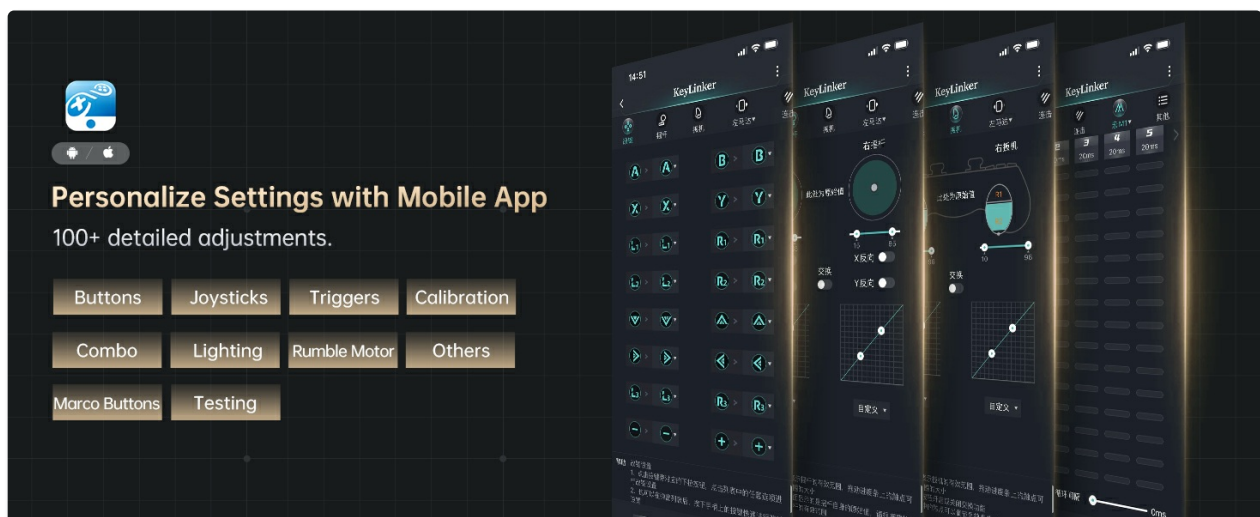

Image 3.9: Interface of the mobile application for personalized settings.

4. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller's surface. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the controller frequently. Charge it regularly, even if not in use for extended periods.
- **Joystick Replacement:** When replacing hot-swappable joysticks, ensure the controller is powered off. Carefully follow the instructions provided with replacement joysticks to avoid damage.

5. TROUBLESHOOTING

- **Controller Not Connecting:** Ensure the controller is charged. Verify the correct connection mode (wired, 2.4GHz, or Bluetooth) is selected and properly configured on your device. For 2.4GHz, ensure the dongle is securely inserted. For Bluetooth, ensure your device's Bluetooth is enabled and the controller is in

pairing mode.

- **Charging Issues:** If the controller does not charge or stops charging prematurely, ensure the USB-C cable is fully inserted into both the controller and the power source. Try a different USB port or charging cable. If using a charging dock, ensure the controller is correctly seated and making full contact with the charging pins.
- **Input Lag or Disconnections:** For wireless connections, ensure there are no significant obstructions or sources of interference (e.g., other wireless devices) between the controller and your device/dongle. Try moving closer to the receiver. For wired connections, ensure the cable is not damaged.
- **Buttons/Joysticks Not Responding:** Check if the controller's firmware is up to date via the mobile app. If joysticks are hot-swappable, ensure they are correctly seated. If issues persist, a factory reset (if available through the app) or contacting customer support may be necessary.
- **Driver Problems (PC):** Ensure you have the latest drivers installed for the controller. Refer to the manufacturer's official website for driver downloads and software.
- **Motion Control Not Working (NS):** Confirm the controller is in Nintendo Switch mode. Ensure the connection type (wired/2.4G) allows for motion control and that the feature is enabled in game or system settings.

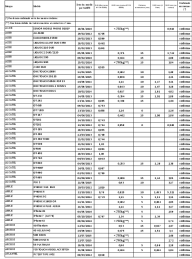## 6. SPECIFICATIONS

Feature	Detail
Model Number	G5 PRO V2
Connectivity	Wired (USB 2.0), 2.4GHz Wireless, Bluetooth
Supported Platforms	Nintendo Switch, PC (Windows), iOS, Android
Joysticks	JH20 Hot-Swappable Hall Joysticks (4000-level resolution)
Triggers	Optical Triggers (Two-Stage Lock, Scenario-Based Vibration)
Buttons	Optical Micro Switches, 4 Mappable Back Buttons (M1-M4)
Motion Control	6-Axis Gyro (NS mode only)
Polling Rate	1000Hz (Wired)
Battery	600mAh Li-Ion (up to 8 hours playtime)
RGB Lighting	5 Modes, Customizable Animation, Speed, Brightness, Colors
Dimensions	7.09 x 5.91 x 2.36 inches
Weight	1.43 pounds

7. WARRANTY AND SUPPORT

Machenike products are designed for quality and performance. For information regarding product warranty, returns, or technical support, please refer to the official Machenike website or contact your retailer's customer service. Keep your proof of purchase for any warranty claims.

Additional protection plans may be available for purchase from your retailer to extend coverage beyond the standard warranty period.

Related Documents - G5 PRO V2

[Comprehensive List of Wi-Fi Routers and Networking Equipment](#)
A detailed catalog of Wi-Fi routers, mesh systems, and networking devices from various manufacturers including Asus, D-Link, Huawei, Keenetic, Mercusys, MikroTik, Netis, Pix-Link, Tenda, TP-Link, and Xiaomi. The list includes model names, specifications, and features.

[Guangzhou Kymeng Electronic Technology Co., Ltd. Product Model List](#)
Comprehensive product model list from Guangzhou Kymeng Electronic Technology Co., Ltd., detailing compatible phone models for their accessories.

[New FCC Certified GMRS Radios Guide | 2024 Update](#)
A comprehensive list of new GMRS radios certified by the FCC, updated as of September 21, 2024. Features wide-band capable and narrow-band only models from various manufacturers.

[Catálogo de Accesorios de Tecnología](#)
Explore un amplio catálogo de accesorios tecnológicos, incluyendo adaptadores, cables, altavoces y más, para satisfacer todas sus necesidades de conectividad y audio.

[Mobile Phone SAR Measurement Data and Compliance Report](#)
Comprehensive list of Specific Absorption Rate (SAR) measurements for various mobile phone models, including Head SAR and Trunk SAR values, and conformity status according to French ANFR standards.

[Meross MSG100 Smart Garage Door Opener Compatibility Guide](#)
Discover compatible garage door opener brands and models for your Meross MSG100 Smart Garage Door Opener. This comprehensive guide helps ensure seamless integration with a wide range of openers.