MOBAPAD Huben2

MOBAPAD Huben2 Wireless Switch Controller Pro Instruction Manual

Model: Huben2

INTRODUCTION

The MOBAPAD Huben2 is a versatile wireless controller designed for use with Nintendo Switch, PC, Android, and iOS devices. It features advanced components such as ALPS linear motors for precise haptic feedback, Omron mechanical buttons for tactile response, and capacitive joysticks for enhanced accuracy. This manual provides detailed instructions for setting up, operating, and maintaining your Huben2 controller.

Front view of the MOBAPAD Huben2 Wireless Controller in white, showcasing its ergonomic design and button layout.
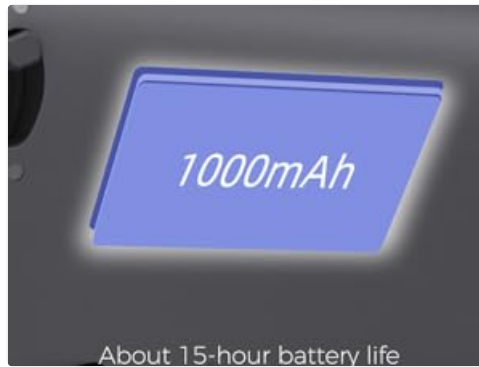
SETUP

1. Package Contents

- MOBAPAD Huben2 Wireless Controller
- USB-C Cable
- 2.4G Wireless Dongle (if included with your model)
- Travel Case (if included with your model)
- Instruction Manual (this document)

2. Charging the Controller

Before first use, fully charge the controller. Connect the included USB-C cable to the controller's charging port and the other end to a USB power source (e.g., computer, wall adapter). The charging indicator will show the charging status and turn off when fully charged. A full charge provides approximately 15 hours of battery life.

The controller features a 1000mAh battery, providing up to 15 hours of gameplay on a single charge.

3. Connection Modes

The Huben2 controller supports three primary connection methods:

Visual representation of the three connection modes: 2.4G for Windows/Android TV, Bluetooth for Switch/Switch 2/iOS/Android, and Wired

1. **2.4G Wireless (via Dongle):** Insert the 2.4G dongle into a USB port on your device. The controller will automatically connect.

2. **Bluetooth:** For Nintendo Switch, Switch 2, Android, and iOS devices.

   - **Nintendo Switch:** Navigate to the 'Controllers' menu on your Switch, then select 'Change Grip/Order'. Press and hold the pairing button on the Huben2 controller until the indicator lights flash. The Switch will detect and pair with the controller.

   - **Android/iOS:** Enable Bluetooth on your mobile device. Press and hold the pairing button on the Huben2 controller. Select "MOBAPAD Huben2" from the list of available Bluetooth devices.

3. **Wired (USB-C):** Connect the controller directly to your device using the provided USB-C cable. The controller will be recognized as a wired input device.

OPERATING INSTRUCTIONS

1. Button Layout and Functions

Familiarize yourself with the controller's button layout. The Huben2 features standard gaming buttons, including A/B/X/Y, D-pad, L/R, ZL/ZR, Home, Capture, Plus, Minus, and four programmable back buttons (M1, M2, M3, M4).

A user demonstrating gameplay with the MOBAPAD Huben2 controller, highlighting its ergonomic design during use.

2. Dual Trigger Modes

The Huben2 offers two distinct trigger modes for L2/R2 buttons, switchable via a physical mechanism:

- **Microswitch Trigger (2mm travel):** Provides a short, tactile click, ideal for rapid inputs in shooting games.
- **Hall Linear Trigger (10mm travel):** Offers a smooth, analog response, suitable for racing games or precise acceleration control.

Detailed view of the dual trigger mechanism, showing the short travel of the microswitch trigger and the longer, linear travel of the Hall effect trigger.

3. Capacitive Joysticks

The controller is equipped with capacitive thumbsticks that provide 4,096-step precision and a 1ms response rate, designed to minimize drift and enhance control accuracy.

An internal diagram showcasing the technology behind the Mobapad capacitive joysticks, emphasizing their precision.

4. Omron Mechanical Buttons

The face buttons (A/B/X/Y) utilize Omron mechanical switches, offering a distinct tactile feel and rapid actuation for competitive gaming.

A cutaway view revealing the Omron mechanical buttons, highlighting their internal structure.

5. 6-Axis Motion Control

The integrated 6-axis motion sensor provides precise tilt and rotation control, enhancing gameplay in compatible titles.

Visual representation of the controller's 6-axis motion sensing capabilities.

6. Programmable Back Buttons (M1-M4)

The four rear buttons (M1, M2, M3, M4) can be programmed for custom macros or remapped to other functions using the MOBAPAD PC/mobile application. Refer to the application's guide for detailed programming instructions.

Replaceable round/ Cross D-pad

Close-up of the controller's underside, highlighting the four customizable back buttons.

7. Turbo Function

The controller includes a Turbo function for rapid, repeated button presses. Activate and configure the Turbo function via the dedicated button or the companion application.

Turbo Function

Detail of the controller's Turbo function button.

8. Customization via Application

Further customization options, including macro programming, vibration intensity adjustment, and stick sensitivity tuning, are available through the MOBAPAD PC/mobile application. Download the application from the official MOBAPAD website or your device's app store.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller. Avoid abrasive cleaners or solvents.
- **Storage:** Store the controller in a cool, dry place, away from direct sunlight and extreme temperatures. Use the included travel case for protection during transport.
- **Battery Care:** To prolong battery life, avoid fully discharging the controller frequently. Charge it regularly, even if not in use for extended periods.
- **Removable Faceplate:** The controller features a removable magnetic faceplate. Handle with care when detaching or reattaching.

An exploded diagram illustrating the removable faceplate and internal structure of the controller.

TROUBLESHOOTING

- **Controller not connecting:**

  - Ensure the controller is charged.
  - Verify the correct connection mode (2.4G, Bluetooth, Wired) is selected for your device.
  - For Bluetooth, ensure your device's Bluetooth is enabled and the controller is in pairing mode.
  - Try restarting both the controller and the device you are connecting to.

- **Input lag or unresponsiveness:**

  - Ensure the controller is within range of the wireless receiver (2.4G or Bluetooth).
  - Minimize interference from other wireless devices.
  - For wired connection, ensure the USB-C cable is securely connected.
  - Update controller firmware via the MOBAPAD application.

- **Stick drift:**

    - While capacitive joysticks are designed to prevent drift, if issues occur, try recalibrating them using the MOBAPAD application.

- **Short battery life:**

    - Ensure the controller is fully charged before use.
    - Reduce vibration intensity via the MOBAPAD application to conserve battery.
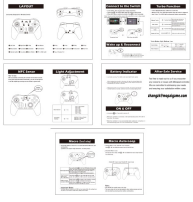   - Battery performance may degrade over time with prolonged use.

SPECIFICATIONS

Feature	Detail
Model Number	Mobapad Huben2 H6
Connectivity	2.4G Wireless, Bluetooth, USB-C Wired
Compatibility	Nintendo Switch, Switch 2, iOS, Windows, Android
Joysticks	Capacitive, 4,096-step precision, 1ms response
Buttons	Omron Mechanical Buttons
Triggers	Dual Mode (Microswitch / Hall Linear)
Vibration	Dual ALPS Linear Motors (HD Rumble)
Motion Control	6-Axis Gyroscope
Programmable Buttons	4 Rear Macro Buttons (M1-M4)
Battery	1 Lithium Ion (included), 1000mAh, approx. 15-hour life
Product Dimensions	4.33 x 2.95 x 6.3 inches
Item Weight	1.87 pounds
Manufacturer	Mobapad

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MOBAPAD website or contact their customer service. Keep your proof of purchase for warranty claims.
Online Resources: Visit the MOBAPAD Store on Amazon for additional product information and updates.

Related Documents - Huben2

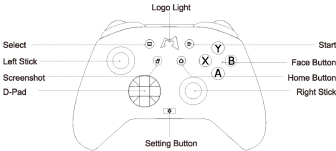|	Mobapad HUBEN2 Mechanical Controller - Specifications and FCC Compliance
	Comprehensive product specifications, material details, dimensions, and FCC compliance information for the Mobapad HUBEN2 Mechanical Controller (ML35).
	MOBAPAD ChiTu Controller User Guide: Setup, Features, and Functions
	Detailed user guide for the MOBAPAD ChiTu wireless controller for Nintendo Switch. Learn about controller layout, connecting to Switch, turbo function, macro setup, battery indicator, and after-sale service.

Documents - MOBAPAD – Huben2
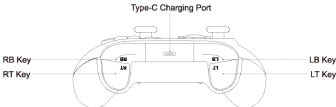
MOBAPAD

Mobapad Huben2 Mechanical Controller

User Manual

PRODUCTION CONFIGURATION
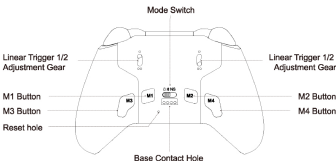
Logo Light

Select
Left Stick
Screenshot
D-Pad

Start
Face Button
Home Button
Right Stick

Setting Button

Indicator Light   Pairing Button

1

PRODUCTION CONFIGURATION

Type-C Charging Port

RB Key
RT Key

LB Key
LT Key

Mode Switch

Linear Trigger 1/2
Adjustment Gear

Linear Trigger 1/2
Adjustment Gear

M1 Button
M3 Button
Reset hole

M2 Button
M4 Button

Base Contact Hole

2

BASIC FUNCTIONS

Basic Operations

Power On:	Slide the mode switch to the corresponding platform position and briefly press the HOME button to power on.
Power Off:	Slide the mode switch to power off the controller.
Standby:	If the controller remains idle for 10 minutes while connected, it will automatically power off.
Wake Up:	Briefly press the HOME button to wake up (only supported on Switch).
Low Battery:	When the controller's battery level is below 15%, the LOGO light will flash rapidly as a reminder.
Charging:	When charging while powered off, the LOGO light will stay solid red and turn off when fully charged.

| | | When charging while powered on, the LOGO light will flash twice quickly and then return to the current lighting effect. |

Connection Status

Status	LOGO Light	Description
Connected Successfully	Solid Light	The device has been successfully connected.
Pairing	Rapid Flashing	The controller or dongle is in pairing mode, it can be searched for and connected to by a new device.
Reconnect	Slow Flashing	Automatically reconnects to the last successfully connected device.

BASIC FUNCTIONS

Gear Position	Operating Platform	Connection Method
🔒 ✳ NS	PC	Dongle
		Wired
🔒 ✳ NS	Android/iOS Games that natively support game controllers	Bluetooth
🔒 ✳ NS	Switch	Bluetooth
		Wired

2.4G CONNECTION TO PC

1.Switch the mode to the " ⓐ " position and insert the dongle into the computer's USB port.
2.Briefly press the " ⊙ " button on the controller to power on. The LOGO light will flash slowly, indicating it is attempting to reconnect (The dongle is pre-paired with the controller before leaving the factory).
3. When the LOGO light on the controller and the indicator light on the dongle stay solid, it indicates the successful connection.
4. For future use, ensure the mode is set to " ⓑ " , and briefly press the " ⊙ " button on the controller to reconnect to the device.

*Re-pairing The Dongle And Controller
1.Press the pairing button on the dongle. The dongle's light will flash rapidly, indicating it is in pairing mode.
2.Briefly press the " ⊙ " button on the controller to power on, then press and hold the " ⊙ " button for three seconds. The LOGO light will flash rapidly, indicating the controller is in pairing mode.

WIRED CONNECTION TO PC

1.Set the mode switch to the " ⓐ " position.
2.Use the provided Type-C cable to connect the controller to the computer's USB port.

ANDROID/iOS DEVICE CONNECTION

1.While the controller is powered off, slide the mode switch to the " ⊙ " position. Briefly press the " ⊙ " button to power on, then press and hold the " ⊙ " button for 3 seconds. The LOGO light will flash rapidly, indicating it is in pairing mode.
2.On your phone, go to the Bluetooth settings and find the device named "Xbox Wireless Controller". Tap to connect.
3.Once connected, your phone will display "Connected", and the LOGO light on the controller will stay solid.
4.For future use, simply press the " ⊙ " button to reconnect to your phone.

SWITCH DEVICE CONNECTION

1.On the Switch home screen, tap the " 🖉 " and select "Change Grip/Order".
2.While the controller is powered off, slide the mode switch to the " Ⓝ " position. Briefly press the " ⊙ " button to power on, then press and hold the " ⊙ " button for 3 seconds. The LOGO light will flash rapidly, indicating it is in pairing mode.
3.Once the LOGO light stays solid, press the " ⊙ " button to return to the home screen.

Switch Reconnect And Wake Up
1.After the successful connection, if the Switch enters sleep mode, press the " ⊙ " button on the controller (with the mode switch in the " Ⓝ " position) to reconnect and wake up the console.

SWITCH WIRED CONNECTION

*Before using a wired connection, ensure the controller is powered on or in sleep mode, and enable the Pro Controller's wired connection.

1.While the controller is powered off, slide the mode switch to the " Ⓝ " position, and use a Type-C cable to connect the controller to the Switch dock.
2.The LOGO light on the controller will stay solid, indicating the successful connection.

VIBRATION LEVEL ADJUSTMENT

Switch vibration levels	⊙ + L (down) down	With vibration feedback at the current intensity.
	⊙ + L up	

TURBO FUNCTION

●Turbo-Mappable Buttons:A/B/X/Y/LB/LT/RB/RT/ D-pad Up, Down, Left, Right

Manual Turbo	⊙ + Function Button	After the first setup, hold down the function button to activate turbo,release to stop.
Auto Turbo	⊙ + Function Button	After the second setup, short press the function button to initiate automatic turbo,short press the function button again to pause the turbo.
Disable Single-Key Turbo	⊙ + Function Button	After the third setup, the turbo function of the certain button will be disabled.
Turbo Mode Switching	⊙ + L Downshift	Low Medium High
	⊙ + L Upshift	
LED Indicators		When switching to the Low : LOGO light flashes once. When switching to the Mid: LOGO light flashes twice. When switching to the High: LOGO light flashes three times.

MACRO

●Assignable Buttons: A/B/X/Y/LB/LT/RB/RT/L3/R3 and joysticks.
(Joysticks only support eight directions, no analog input)

Macro programming	Press and hold the " ⊙ " button for 3 seconds until the LOGO light turns to a solid purple, then perform the actions to be recorded, and press the M1/M2/M3/M4 button on the back to complete the recording (e.g., pressing M1 stores the macro to M1, while pressing M2 stores it to M2); after successful setup, the LOGO light will return to its default state.
Clear the macros saved on the M1 or M2 button	Long press the " ⊙ " for 3s, the LOGO light will turn solid purple,and the controller will vibrate shortly as a reminder.Then press M1/ M2/ M3/ M4 to clear the recorded macro.(User-customized button configurations will be deleted.)
Macro Loop	Press " ⊙ " + M1/M2/M3/M4 to enable the macro loop. Press " ⊙ " + M1/M2/M3/M4 again to disable the macro loop. Or press any button except the joystick to terminate the macro loop.

SAFETY PRECAUTIONS

●Contains small parts. Keep out of reach of children under 3 years old. If accidentally swallowed or inhaled, seek immediate medical attention.
●Do not use the product near fire or heat sources.
●Do not expose the product to direct sunlight or high-temperature environments.
●Do not place the product in humid or dusty environments.
●Do not impact or drop the product.
●Do not directly touch the USB port, as it may cause malfunction.
●Do not forcefully bend or pull the cables.
●Clean with a soft, dry cloth.
●Do not use chemicals such as gasoline or thinner for cleaning.
●Do not disassemble, repair, or modify the product yourself.
●Do not use the product for purposes other than its intended design. We are not responsible for accidents or damages caused by improper use.
●Do not look directly at the light beam, as it may harm your eyes.
●If you have any questions or suggestions regarding product quality, please contact us or your local distributor.

AFTER-SALE SERVICE

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Feel free to reach out to us if you encounter any concerns or issues with Mobapad controller. We are committed to addressing your needs and ensuring your satisfaction within a year.

Email: service@mobapad.com

Address: Longhua District, Shenzhen

责任设计师:
手机号码:

1、附件文件名: 魔派虎敦2-包材-02 说明书
2、材质: 哑版纸封面
3、工艺: 单色印刷
4、成品尺寸: (折叠后)90mm*100mm)
5、包装说明:
6、包装内放:

例1

Mobapad HUBEN2 Mechanical Controller - Specifications and FCC Compliance
Comprehensive product specifications, material details, dimensions, and FCC compliance information for the Mobapad HUBEN2 Mechanical Controller (ML35).
lang:en score:12 filesize: 3.32 M page_count: 1 document date: 2025-08-27