

manuals.plus /

› [Shimbol](#) /

› [Shimbol TP Max Wireless Video Transmission System User Manual](#)

Shimbol Shimbol TP MAX

Shimbol TP Max Wireless Video Transmission System User Manual

Model: Shimbol TP MAX

1. INTRODUCTION

The Shimbol TP Max is a high-performance wireless video transmission system designed for professional video production. It enables reliable, long-distance transmission of 1080p60 HDMI signals with ultra-low latency, making it ideal for live broadcasting, monitoring, and various shooting scenarios. This manual provides essential information for the safe and effective use of your TP Max system.



Image 1.1: Overview of the Shimbol TP Max system highlighting its wireless capabilities, 1080p resolution, aluminum alloy build, and fanless design.

2. SAFETY INFORMATION

- Do not expose the device to water or excessive moisture.
- Avoid dropping or subjecting the device to severe impact.
- Use only approved power adapters and batteries.
- Do not attempt to disassemble or modify the device.
- Keep the device away from strong electromagnetic fields.
- Ensure proper ventilation during operation.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Shimbol TP Max Transmitter (TX) Unit: 1
- Shimbol TP Max Receiver (RX) Unit: 1
- User Manual: 1
- Sticker (Panda Design): 2
- USB Charging Cable: 2

Packaging Accessories

Package Box * 1

Sticker * 2

USB Charging Cable*2

User Manual * 1

Transmitter & Receiver



Image 3.1: Contents of the Shimbol TP Max package, including the transmitter, receiver, user manual, stickers, and USB cables.

4. PRODUCT OVERVIEW

The Shimbol TP Max system consists of a Transmitter (TX) and a Receiver (RX) unit. Both units feature a compact design with essential ports and indicators for easy operation.

4.1. Transmitter (TX) Unit

- **HDMI IN:** Connects to your video source (e.g., camera, camcorder).
- **USB 5V / Type-C:** Power input port.

- **Power Switch:** On/Off control.
- **Indicator Lights:** Display power status and connection status.

4.2. Receiver (RX) Unit

- **HDMI OUT:** Connects to your display device (e.g., monitor, TV).
- **USB 5V / Type-C:** Power input port.
- **Power Switch:** On/Off control.
- **Indicator Lights:** Display power status and connection status.



Image 4.1: Front view of the Shimbol TP Max Transmitter (TX) and Receiver (RX) units, showing their compact form factor and indicator lights.

Dual HDMI Ports, Plug And Play

TP Max supports HD loop-out function, facilitating real-time input and output.



Image 4.2: Side view of the Shimbol TP Max Receiver (RX) unit, illustrating the HDMI IN/OUT ports and USB-C power input.

5. SETUP INSTRUCTIONS

Follow these steps to set up your Shimbol TP Max wireless video transmission system:

1. Powering the Units:

- **Using NPF Batteries:** Attach a compatible NPF battery (e.g., NPF550, NPF970) to the battery plate on the back of both the TX and RX units.
- **Using USB Type-C:** Connect a 5V power source (e.g., power bank, USB adapter) to the USB Type-C port on both the TX and RX units using the provided USB cables.

Multiple Power Supply Options

Power Supply with USB Type-C or NPF Battery



NP-F550 Battery: 5 Hours Runtime

Battery Capacity: 2200mAh

NP-F970 Battery: 8 Hours Runtime

Battery Capacity: 6600mAh

Image 5.1: The Shimbol TP Max unit with an NPF battery attached, demonstrating one of the power supply options.

2. **Connecting the Transmitter (TX):** Connect an HDMI cable from your video source (e.g., camera HDMI output) to the **HDMI IN** port on the Shimbol TP Max Transmitter unit.
3. **Connecting the Receiver (RX):** Connect an HDMI cable from the **HDMI OUT** port on the Shimbol TP Max Receiver unit to your display device (e.g., monitor HDMI input).

4. **Power On:** Flip the power switch on both the TX and RX units to the 'ON' position. The indicator lights will illuminate.
5. **Automatic Pairing:** The TX and RX units are designed to pair automatically. Once powered on, they will establish a connection, and the indicator lights will show a stable connection status. This process typically takes a few seconds.

6. OPERATING INSTRUCTIONS

Once the setup is complete and the units are paired, the Shimbol TP Max system will begin transmitting video. Ensure both units have a clear line of sight for optimal performance, especially over longer distances.

- **Monitoring Status:** Observe the indicator lights on both units. A stable light typically indicates a successful connection and active transmission.
- **Signal Quality:** If the video signal is unstable or drops, try reducing the distance between the TX and RX units or ensuring there are no obstructions.
- **HDMI Loop-out:** The TX unit supports an HDMI loop-out function, allowing you to connect a local monitor to the transmitter while simultaneously sending the signal wirelessly to the receiver.

7. KEY FEATURES

- **Long-distance Transmission:** The system supports wireless video transmission up to 1000 feet (350 meters), providing extensive coverage for various production environments.
- **Ultra-Low Latency:** Experience real-time video monitoring with a latency as low as 0.07 seconds (70ms), ensuring minimal delay between source and display.
- **High-Definition Video:** Supports video resolutions up to 1080p at 60 frames per second (1080p60), delivering clear and crisp images.
- **Dual HDMI Ports:** Equipped with both HDMI IN and HDMI OUT ports, facilitating flexible connectivity and an HDMI loop-out function.
- **Fanless Design:** The system operates without a fan, ensuring silent performance crucial for audio-sensitive recording environments.
- **Multiple Power Supply Options:** Can be powered by NPF series batteries (NPF550, NPF970) for portability or via a USB Type-C power source.
- **Intelligent Frequency Hopping:** Utilizes advanced technology to maintain a stable connection and minimize interference in complex wireless environments.
- **Durable Aviation Aluminum Alloy Shell:** Constructed with an integrated die-casting process, providing a robust and lightweight housing capable of handling demanding usage.
- **Lightweight and Portable:** Each unit weighs approximately 120g, making the system easy to transport and mount.

Performance Upgrade



Transmission Range up to 350m (1000ft)



**Aviation
Aluminum Alloy Shell**



Low Power Consumption

Image 7.1: Visual representation of key performance features including 1000ft transmission, fanless design, aluminum shell, intelligent frequency hopping, and low power consumption.

Lowest Latency-70ms



0.07s Latency, enabling real-time seamless audio&video transmission.

Image 7.2: Illustration of the system's 70ms low latency, enabling real-time audio and video transmission.

Fanless Design

Runs Quietly
Free From Noise Interference.



120g
Weight

Image 7.3: The fanless design of the Shimbol TP Max, emphasizing quiet operation and its lightweight of 120g.

Aviation Aluminum Alloy Shell

It features an integrated die-casting process, capable of handling complex usage environments.



Image 7.4: Close-up of the Shimbol TP Max’s aviation aluminum alloy shell, highlighting its durable construction.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Shimbol TP Max system:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Avoid using liquid cleaners or solvents.
- **Storage:** Store the units in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** If using NPF batteries, follow the manufacturer's guidelines for charging and storage to maximize battery life. Remove batteries if the units will not be used for an extended period.
- **Cable Management:** Ensure HDMI and USB cables are not kinked or strained to prevent damage to the ports.

9. TROUBLESHOOTING

If you encounter issues with your Shimbol TP Max, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video signal on receiver	Units not powered on; HDMI cables loose or faulty; Units not paired; Out of range; Interference.	Ensure both TX and RX are powered on. Check HDMI cable connections. Power cycle both units to re-initiate pairing. Reduce distance between units. Minimize obstructions.
Intermittent signal or poor video quality	Excessive distance; Obstructions; Strong wireless interference.	Move TX and RX closer. Ensure clear line of sight. Avoid operating near other 5G wireless devices.
Units not pairing	Units too far apart; Power issue; Firmware issue.	Bring units closer together. Ensure stable power supply. Contact support if issue persists.
No power	Battery depleted; USB cable faulty; Power source issue.	Charge or replace NPF battery. Check USB cable and power source.

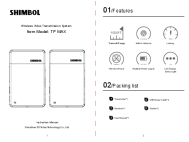
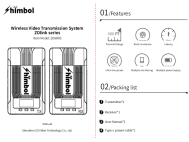




10. SPECIFICATIONS

Feature	Detail
Model	Shimbol TP MAX
Transmission Range	Up to 1000ft (350m)
Latency	0.07s (70ms)
Video Resolution	Up to 1080p60
Input/Output	HDMI IN (TX), HDMI OUT (RX)
Power Input	NPF Battery, USB Type-C 5V
Weight (per unit)	Approx. 120g (4.2 oz)
Dimensions (per unit)	Refer to product images for approximate size.
Housing Material	Aviation Aluminum Alloy
Date First Available	September 30, 2024

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Shimbol website. If you require assistance, please contact Shimbol customer service with your product model and purchase details.

Related Documents - Shimbol TP MAX

	<p>SHIMBOL TP MAX Wireless Video Transmission System User Manual</p> <p>User manual for the SHIMBOL TP MAX Wireless Video Transmission System, detailing features, technical parameters, and product description.</p>
	<p>Shimbol ZO600S Wireless Video Transmission System ZOLink Series</p> <p>Explore the Shimbol ZO600S, a wireless video transmission system from the ZOLink series. This manual details features, packing list, usage instructions, product description, and technical specifications for professional video production.</p>
	<p>SHIMBOL CP5 Wireless Video System User Manual</p> <p>This user manual provides detailed information on the SHIMBOL CP5 wireless video system, covering product highlights, design, specifications, safety guidelines, and connection methods for optimal use.</p>
	<p>Shimbol CP5 Wireless Video Transmitter User Manual</p> <p>User manual for the Shimbol CP5 wireless video transmitter, covering product highlights, design, package contents, technical specifications, safety precautions, and connection modes.</p>
	<p>SHIMBOL TP Mini TX Wireless Video Transmission System Instruction Manual</p> <p>Official instruction manual for the SHIMBOL TP Mini TX Wireless Video Transmission System, detailing features, packing list, product description, technical parameters, and FCC compliance.</p>
	<p>Shimbol Memory I PRO Video Recording Monitor Instruction Manual</p> <p>This manual provides detailed instructions for the Shimbol Memory I PRO Video Recording Monitor, covering its features, operation, and technical specifications. Learn about its interface, recording functions, and various assist icons.</p>