

Shimbol TP M1

Shimbol TP Mini Max Wireless Video Transmission System User Manual

Model: TP M1

1. INTRODUCTION

The Shimbol TP Mini Max is a compact and efficient wireless video transmission system designed for professional video production. It consists of a transmitter (TX) and a receiver (RX) unit, enabling high-quality video and audio transmission over significant distances with minimal latency. This manual provides detailed instructions for the proper setup, operation, and maintenance of your TP Mini Max system.

2. PRODUCT OVERVIEW

The TP Mini Max system offers reliable wireless video transmission with advanced features for various applications.

Key Features:

- **Long-distance Transmission:** Up to 600 feet (180 meters) line-of-sight.
- **Ultra-low Latency:** As low as 0.07 seconds for real-time monitoring.
- **High-definition Video:** Supports up to 1080P60 resolution with simultaneous audio and video transmission.
- **HDMI Loop-out:** Transmitter features an HDMI loop-out for local monitoring.
- **Fanless Design:** Ensures quiet operation, ideal for sound-sensitive environments.
- **Multiple Power Options:** Supports NPF batteries (not included) and Type-C power banks.
- **Durable Construction:** Aviation aluminum alloy shell for enhanced durability and portability.

Components:

SHIMBOL TP Mini
Affordable and Professional
WIRELESS VIDEO
Transmission System

600ft / Aviation Aluminum / 0.07s



The Shimbol TP Mini Max system includes a transmitter (TX) and a receiver (RX) unit, designed for wireless video transmission.

Long-distance Transmission
Range up to **600ft**
Latency as Low as **0.07s**

The transmission range can cover an entire soccer field, providing a reliable and smooth wireless experience for live broadcasting, shooting and transmission in most scenarios.



600ft
Transmission Range

0.07s
Ultra-Low Latency

High-definition Picture
Quality, Audio and Video
Simultaneous Transmission

Supports up to **1080p60**, whether it is director/cameraman monitoring or live transmission can be easily handled.



This image highlights the system's capability for long-distance transmission up to 600 feet with ultra-low latency of 0.07 seconds, suitable for various professional scenarios.

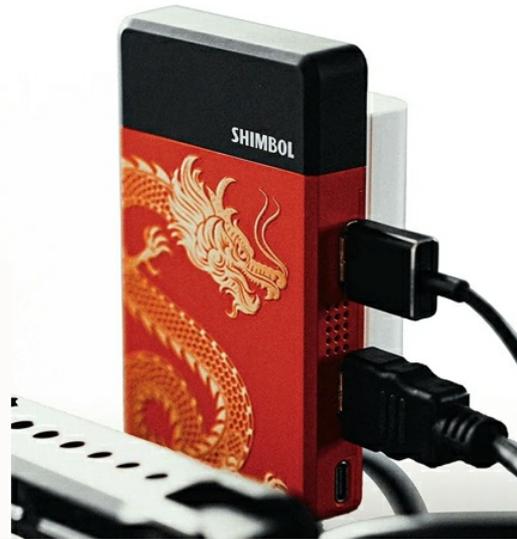
Fanless Design for Quietness

Ditch the traditional fan design and adopt a low-power solution to avoid noise interference.



HDMI Loop-out Design Plug and Go

Dual interface design
The side buttons are easy to operate



The system supports high-definition picture quality up to 1080P60, ensuring clear audio and video for monitoring and live transmission.

Aviation Aluminum Alloy Shell, Light and Durable

Classic sandblasted paintwork, inspired by the palaces of ancient China.



Intelligent Frequency Hopping

Ultra-stable connection,
super anti-interference,
greatly improving productivity.



Constructed with an aviation aluminum alloy shell, the units are light, durable, and feature a classic sandblasted paintwork.

High-definition Picture Quality, Audio and Video Simultaneous Transmission

Supports up to **1080p60**, whether it is director/cameraman monitoring or live transmission can be easily handled.



The system can be powered by NPF batteries or a power bank via the Type-C port, offering flexible power solutions.

What's in the Box:

Multiple Power Supply Modes

In addition to being powered by NPF batteries, it also supports power from a power bank via the Type-C port.



*NPF550 battery operated for up to 8 hours.

Accessories



Package Box * 1



Transmitter & Receiver



User Manual * 1



Sticker * 2



USB Charging Cable*1

The package includes one TP Mini Wireless Transmitter, one TP Mini Wireless Receiver, a user manual, two decorative stickers, and one USB charging cable.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Shimbol TP Mini Max system:

1. Power Supply:

- Attach a fully charged NPF battery (not included) to the battery plate on both the transmitter (TX) and receiver (RX) units.
- Alternatively, connect a power bank to the Type-C port on each unit using the provided USB charging cable.

2. Connect Transmitter (TX):

- Connect your video source (e.g., camera, camcorder) to the **HDMI IN** port of the TX unit using an HDMI cable (not included).
- If local monitoring is required, connect a monitor to the **HDMI OUT** (loop-out) port of the TX unit.

3. Connect Receiver (RX):

- Connect your display device (e.g., monitor, TV, video switcher) to the **HDMI OUT** port of the RX unit using an HDMI cable (not included).

4. **Power On:** Turn on both the TX and RX units using their respective power switches. The units will automatically pair.

HDMI Loop-out Design Plug and Go

Dual interface design
The side buttons are easy to operate



The image displays the HDMI input and output ports on the Shimbol TP Mini Max unit, essential for connecting your video source and display.

Your browser does not support the video tag.

This video provides a visual guide on how to set up the Shimbol TP Mini Max system, including connecting power and HDMI cables.

4. OPERATING INSTRUCTIONS

Once both units are powered on and connected, the system will automatically establish a wireless connection. The status indicators on the units will confirm successful pairing.

- **Monitoring:** The video feed from your source connected to the TX unit will be displayed on the monitor connected to the RX unit.
- **Fanless Operation:** The fanless design ensures silent operation, preventing unwanted noise

interference during recording or live broadcasts.

- **Frequency Hopping:** The system utilizes intelligent frequency hopping for ultra-stable connection and enhanced anti-interference capabilities.

5. MAINTENANCE

To ensure the longevity and optimal performance of your TP Mini Max system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use, store the units in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or a protective case.
- **Battery Care:** If using NPF batteries, ensure they are charged and stored according to the battery manufacturer's recommendations. Remove batteries if the units will not be used for an extended period.

6. TROUBLESHOOTING

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

- **No Video Signal:**
 - Ensure both TX and RX units are powered on.
 - Verify all HDMI cables are securely connected to the correct ports.
 - Check the video source output and display input settings.
 - Confirm the distance between TX and RX is within the 600ft range and there are no significant obstructions.
- **Intermittent Signal/Poor Quality:**
 - Reduce the distance between the TX and RX units.
 - Minimize physical obstructions (walls, large metal objects) between the units.
 - Avoid areas with high Wi-Fi or other wireless interference.
- **Power Issues:**
 - Ensure NPF batteries are fully charged or the Type-C power source is providing adequate power.
 - Check the power cables and connections.

7. SPECIFICATIONS

Feature	Specification
Model Number	TP M1
Transmission Range	Up to 600 feet (line-of-sight)
Latency	0.07 seconds
Video Resolution	Up to 1080P60
Input/Output	HDMI
Power Supply	NPF Batteries, Type-C (5V)
Shell Material	Aviation Aluminum Alloy
Item Weight	13.1 ounces (approx. per unit)
Package Dimensions	5.08 x 3.82 x 3.11 inches

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Shimbol customer service or refer to the official Shimbol website. Keep your purchase receipt as proof of purchase for any warranty claims.