

Xantech XT-4K-VIP-TX

Xantech XT-4K-VIP-TX User Manual

4K UHD VIP XMTR

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the Xantech XT-4K-VIP-TX 4K UHD VIP XMTR. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

PRODUCT OVERVIEW

The Xantech XT-4K-VIP-TX is a 4K UHD Video over IP Transmitter designed for high-quality video and audio transmission. It features various input and output ports for versatile integration into professional AV systems.



Image: Xantech XT-4K-VIP-TX Front and Rear Panels. The image displays the front and rear panels of the Xantech XT-4K-VIP-TX unit. The top panel (rear) shows:

- A DC 24V 1A power input.
- A LAN/PoE port for network connection and Power over Ethernet.
- An HDMI In port for video input.
- IR In and Flasher ports for infrared control.
- An Audio In port.
- L/R Audio Out ports.
- A "TX" label indicating its transmitter function.

The bottom panel (front) shows:

- "Configuration" buttons (up and down arrows) for navigating settings.
- A "TX ID" digital display.
- An RS-232 terminal block for serial communication.
- A Micro-USB "Update" port.
- A "Reset" button and "Default" switch.
- A USB port.
- "Power" and "Link" LED indicators.

SETUP

1. **Power Connection:** Connect the provided 24V DC power adapter to the "DC 24V 1A" input on the rear panel. Alternatively, if using Power over Ethernet (PoE), connect an Ethernet cable from a PoE-enabled switch to the "LAN/PoE" port. The "Power" LED on the front panel should illuminate.
2. **Network Connection:** Connect an Ethernet cable from your network switch or router to the "LAN/PoE" port. The "Link" LED on the front panel should illuminate when a valid network connection is established.
3. **HDMI Input:** Connect your HDMI source device (e.g., Blu-ray player, media server) to the "HDMI In" port using a high-quality HDMI cable.
4. **Audio Connections (Optional):**
 - For analog audio input, connect your audio source to the "Audio In" port.
 - For analog audio output, connect your audio receiver or amplifier to the "L/R Audio Out" ports.
5. **IR Control (Optional):**
 - Connect an IR receiver to the "IR In" port to receive IR commands.
 - Connect an IR flasher to the "Flasher" port to transmit IR commands to a device.
6. **RS-232 Connection (Optional):** For serial control, connect your control system to the "RS-232" terminal block. Refer to the RS-232 pinout diagram for correct wiring.
7. **USB Connection (Optional):** The "USB" port can be used for connecting USB devices as part of the KVM extension functionality.

OPERATING INSTRUCTIONS

Front Panel Controls and Indicators:

- **Configuration Buttons (^ / v):** Use these buttons to navigate through menu options or adjust settings displayed on the "TX ID" screen.
- **TX ID Display:** This two-digit LED display shows the current Transmitter ID or menu options during configuration.
- **Power LED:** Illuminates green when the unit is powered on.
- **Link LED:** Illuminates green when a valid network connection is established and active.
- **Reset Button:** Press this button to restart the device.
- **Default Switch:** Use this switch to restore the device to its factory default settings. Consult the advanced user guide for specific procedures.

Basic Operation:

1. Ensure all necessary cables are securely connected as per the Setup section.

2. Power on the XT-4K-VIP-TX. The Power LED should light up.
3. Verify the Link LED is illuminated, indicating network connectivity.
4. Set the desired TX ID using the Configuration buttons. This ID must correspond with the RX ID of the receiving unit for proper signal routing.
5. Ensure your HDMI source is active and outputting a signal.
6. The XT-4K-VIP-TX will automatically detect the input signal and transmit it over the IP network.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid or aerosol cleaners, as they may damage the device.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any ventilation openings.
- **Firmware Updates:** Periodically check the Xantech website for firmware updates. Updates can be applied via the "Update" Micro-USB port.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power LED indication.	No power supply or faulty connection.	Check power adapter connection or PoE source. Ensure the power outlet is active.
No Link LED indication.	No network connection or faulty Ethernet cable.	Verify Ethernet cable connection to the LAN/PoE port and network switch. Check network switch status.
No video output at receiver.	Incorrect TX ID, no HDMI input, or network issue.	• Ensure TX ID matches RX ID on the receiver unit. • Verify HDMI source is active and connected to "HDMI In". • Check network connectivity and bandwidth.
IR or RS-232 control not working.	Incorrect wiring or configuration.	Refer to the advanced user guide for detailed IR/RS-232 wiring and configuration. Ensure correct port usage.

SPECIFICATIONS

- **Model:** XT-4K-VIP-TX
- **Brand:** Xantech
- **ASIN:** B07WSHQQBD
- **UPC:** 042777797219
- **Cable Type:** USB, HDMI
- **Manufacturer:** XANTECH
- **Date First Available:** August 19, 2019
- **Function:** 4K UHD Video over IP Transmitter

WARRANTY INFORMATION

Xantech products are typically covered by a limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Xantech website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Xantech customer support. Visit the official Xantech website for contact information, FAQs, and additional resources.

Website: www.xantech.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question