ROFAVEZCO USB 3.2 70m 4-Port Extender

ROFAVEZCO USB 3.2 70m 4-Port Extender over Cat5e/Cat6 RJ45 LAN PoE User Manual

Model: USB 3.2 70m 4-Port Extender

Introduction

The ROFAVEZCO USB 3.2 70m 4-Port Extender allows you to extend USB 3.0 signals up to 70 meters (230 feet) over a single Cat5e or Cat6 Ethernet cable. This device is designed for applications requiring remote USB connectivity, such as offices, surveillance systems, and home entertainment setups. It features a 4-port USB 3.0 hub on the receiver unit, supporting data transfer speeds of up to 5 Gbps. The extender also supports Power over Ethernet (PoE) for simplified installation and is plug-and-play compatible with Windows, macOS, Android, and Linux operating systems, requiring no additional drivers.
The transmitter unit is powered by your PC, while the receiver unit utilizes an efficient 24V 2A power adapter for reliable, energy-saving operation.

Package Contents

Please verify that all items are present in your package:

- 1x USB 3.2 Extender Transmitter (TX) Unit
- 1x USB 3.2 Extender Receiver (RX) Unit
- 1x 24V 2A Power Adapter
- 1x USB-C to C Cable
- 4x Mounting Ears
- 1x User Manual

Figure 1: Package Contents

Setup Instructions

Follow these steps to set up your ROFAVEZCO USB 3.2 Extender:

1. **Connect the Transmitter (TX) Unit:**
    - Connect the USB-C to C cable from your computer (PC, Laptop, PS5, Xbox) to the "PC HOST" port on the Transmitter (TX) unit.
    - If your setup requires video, connect an HDMI cable from your computer or source device to your monitor. Note that this USB extender does not transmit video; it only extends USB signals.
2. **Connect the Receiver (RX) Unit:**
    - Connect the 24V 2A power adapter to the "DC/24V" port on the Receiver (RX) unit and plug it into a power outlet.
    - Connect your USB peripherals (e.g., cameras, printers, external hard drives, keyboard, mouse, gamepad) to the four USB 3.0 ports on the Receiver (RX) unit.
3. **Connect TX and RX Units with Ethernet Cable:**

- Use a high-quality Cat5e or Cat6 Ethernet cable to connect the "UTP OUT" port on the Transmitter (TX) unit to the "UTP IN" port on the Receiver (RX) unit. For optimal performance and maximum distance (up to 70m), a Cat6 cable is recommended.
- Ensure the Ethernet cable is a direct connection between the TX and RX units and is not routed through a network switch or router, as this device uses the cable for direct USB signal transmission, not network data.

4. **Power On:**
    - Once all connections are secure, power on your computer and connected USB devices. The extender is plug-and-play and should be recognized automatically by your operating system.

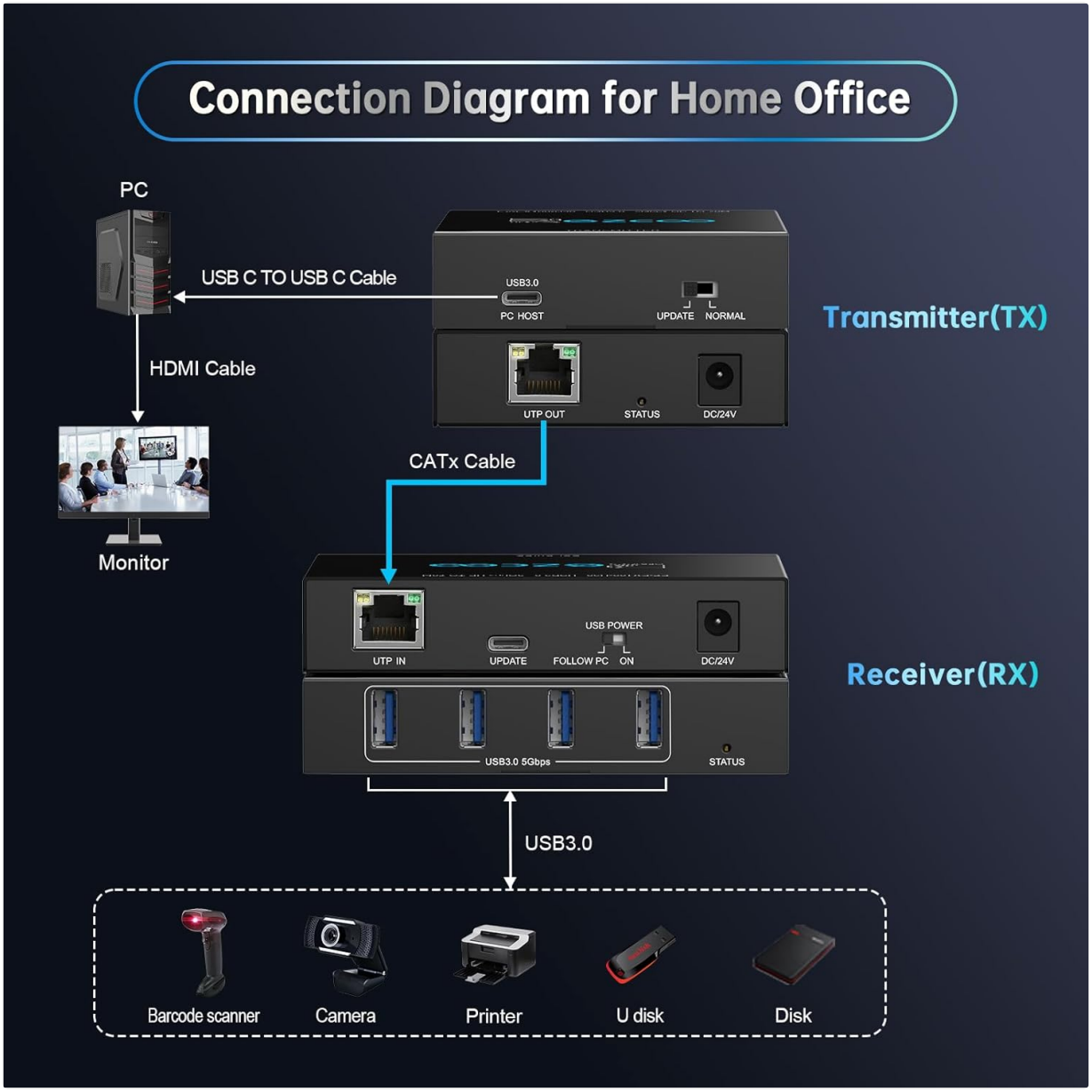

Figure 2: Home Office Connection Diagram

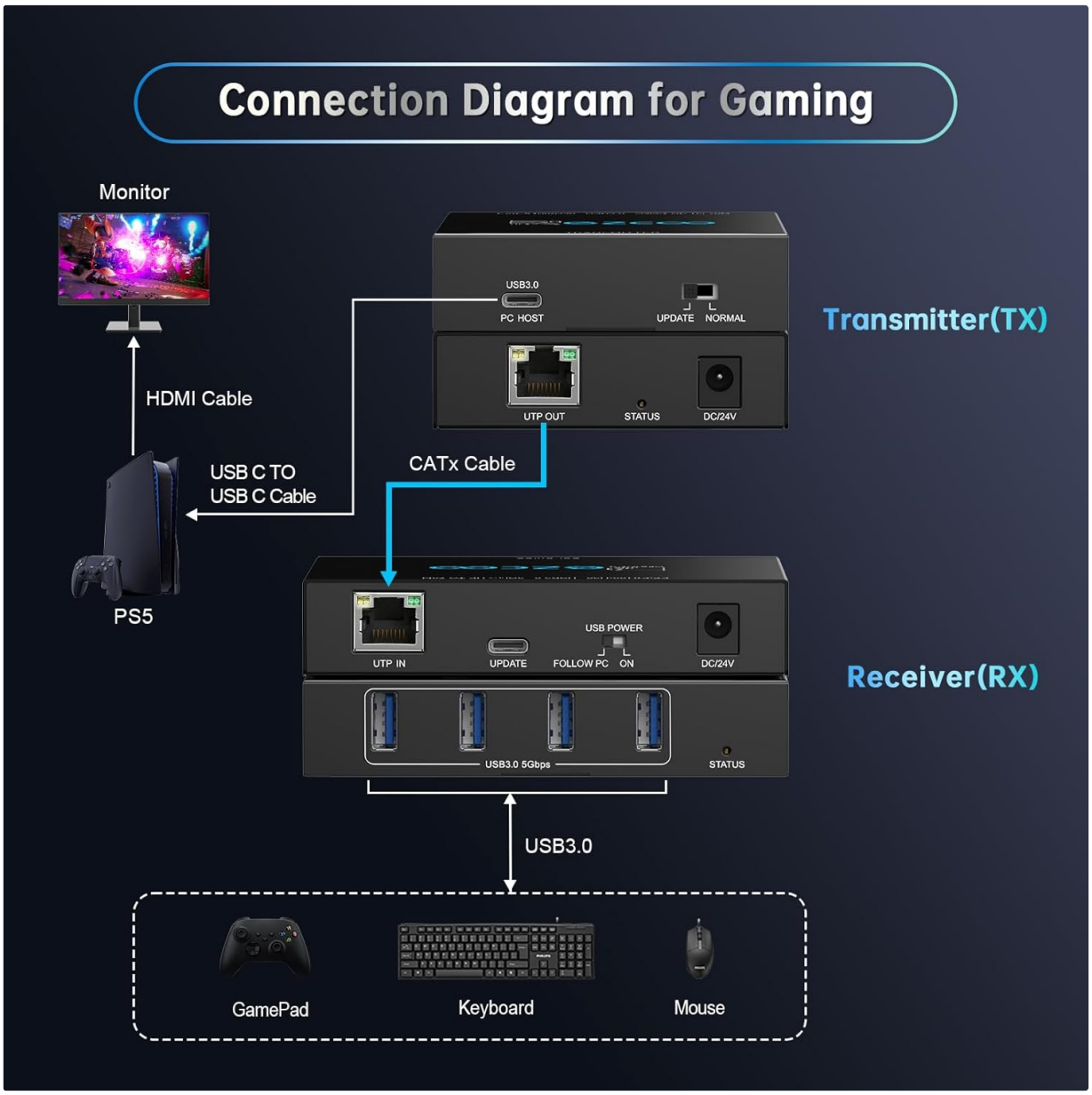

Figure 3: Gaming Connection Diagram

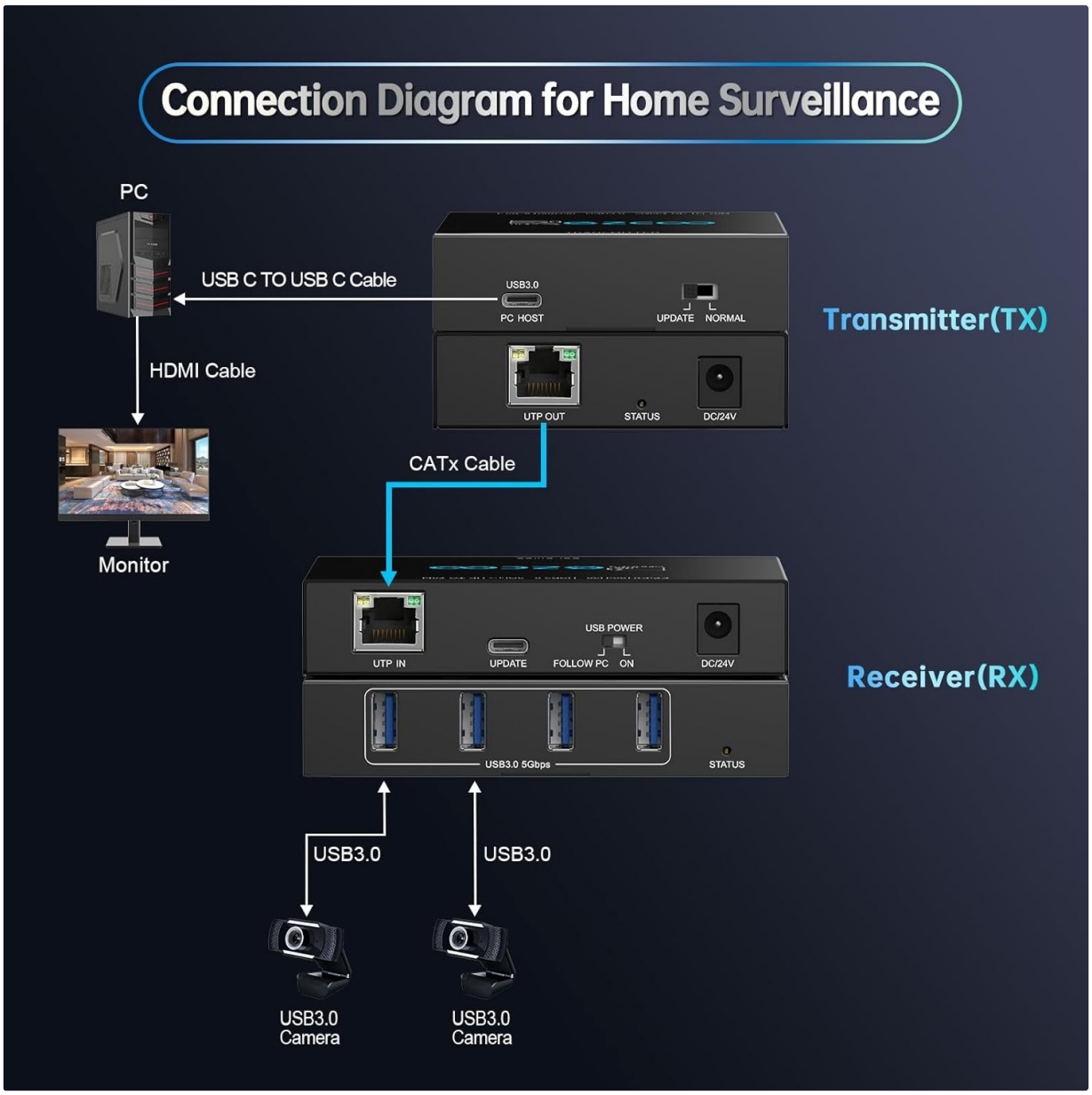

Figure 4: Home Surveillance Connection Diagram

Operating Instructions

The ROFAVEZCO USB 3.2 Extender operates as a transparent extension of your USB connection. Once set up, connected USB devices will function as if they were directly connected to your computer.

- **Data Transfer:** The 4-port USB 3.0 hub on the receiver supports data transfer rates up to 5 Gbps, allowing for high-speed communication with compatible devices.
- **Power over Ethernet (PoE):** The system supports PoE, meaning the receiver unit can draw power from the Ethernet cable if your setup supports it, simplifying power management. Otherwise, use the provided 24V 2A power adapter for the receiver.
- **Indicator Lights:** Observe the "STATUS" indicator lights on both the TX and RX units. A solid light typically indicates a successful connection and operation. Refer to the specific product manual for detailed light status meanings.
- **Compatibility:** The extender is compatible with Windows, macOS, Android, and Linux operating systems without requiring driver installation.

Figure 5: Typical Usage Scenario

Maintenance

The ROFAVEZCO USB 3.2 Extender requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the units in a cool, dry environment, away from direct sunlight and excessive heat.
- Avoid exposing the units to moisture or liquids.
- Clean the exterior of the units with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all cable connections are secure and free from damage.

Troubleshooting

If you encounter issues with your USB 3.2 Extender, please refer to the following common solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power to Receiver (RX) unit.	Power adapter not connected or faulty; PoE not active or incompatible.	Ensure the 24V 2A power adapter is securely connected to the RX unit and a working power outlet. If using PoE, verify your PoE source is active and compatible.
USB devices not recognized or intermittent connection.	Faulty Cat cable; cable too long or low quality; loose connections; incompatible USB device.	◦ Check all USB and Ethernet cable connections for tightness. ◦ Try a different, shorter, or higher-quality Cat5e/Cat6 cable. ◦ Ensure the Cat cable is a direct connection between TX and RX, not through a network switch. ◦ Test with a different USB device to rule out device incompatibility. ◦ Reduce the number of connected USB devices if experiencing power issues.
Slow USB data transfer speeds.	Using USB 2.0 devices; Cat cable quality/length; multiple high-bandwidth devices.	◦ Ensure both the connected USB devices and your computer's USB ports are USB 3.0 compatible. ◦ Verify the Cat cable meets Cat5e or Cat6 standards and is within the recommended length (up to 70m). ◦ Avoid connecting too many high-bandwidth devices simultaneously to the receiver's USB ports.
"UPDATE NORMAL" switch on TX unit.	This switch is for firmware updates.	Leave this switch in the "NORMAL" position for regular operation. Only switch to "UPDATE" if performing a firmware update as instructed by ROFAVEZCO support.
"USB POWER FOLLOW PC ON" switch on RX unit.	Controls USB power behavior.	This switch controls how the USB ports on the RX unit receive power. "FOLLOW PC" typically means power is controlled by the PC's USB power state. "ON" means the USB ports are always powered when the RX unit has power. Adjust as needed for your peripherals.

If the problem persists, please contact ROFAVEZCO customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	ROFAVEZCO
Model	USB 3.2 70m 4-Port Extender
Color	Black
Hardware Interface	USB 3.0, RJ45 Ethernet
USB Ports (Receiver)	4x USB 3.0 ports
Extension Distance	Up to 70 meters (230 feet) over Cat5e/Cat6 cable

Feature	Detail
Data Transfer Rate	5 Gigabits per second (USB 3.0)
Data Link Protocol	Ethernet, USB
Power Supply (TX)	Powered by PC via USB-C
Power Supply (RX)	24V 2A DC Adapter (included) or PoE
Compatible Operating Systems	Windows, macOS, Android, Linux (Driver-free)
Compatible Devices	Cameras, Printers, USB 3.0 Peripherals, External Hard Drives, Barcode Scanners, Gamepads, Keyboards, Mice
Product Dimensions (approx.)	5L x 3W x 8H centimeters (for each unit)
UPC	635403250891

Warranty Information

ROFAVEZCO products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ROFAVEZCO website. Keep your proof of purchase for warranty claims.

Customer Support

If you require technical assistance or have questions about your ROFAVEZCO USB 3.2 Extender, please contact our customer support team. You can typically find contact information on the official ROFAVEZCO website or in the documentation provided with your product.
For the latest drivers, firmware updates, and FAQs, please visit the ROFAVEZCO support page online.