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› [PWAY PW-DT273P HDMI Extender Over Ethernet User Manual](#)

PWAY PW-DT273P

PWAY PW-DT273P HDMI Extender Over Ethernet User Manual

Model: PW-DT273P

1. INTRODUCTION

The PWAY PW-DT273P HDMI Extender is designed to transmit high-definition HDMI signals over long distances using standard Cat5e/6 Ethernet cables. This device supports 1080p@60Hz resolution and offers flexible deployment options, including one-to-one and one-to-many configurations via 100M/1000M Ethernet switches. It also supports Power over Ethernet (POE) for simplified installation.

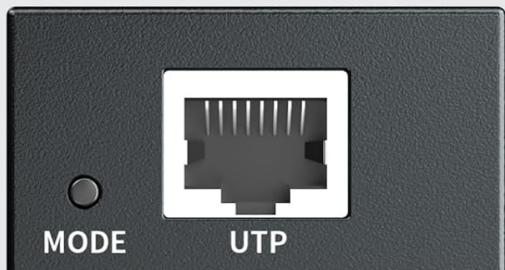
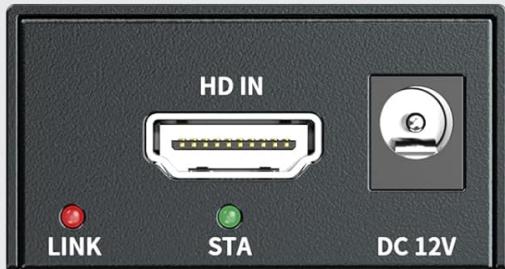
Key Features:

- Extends HDMI signals up to 400ft (120 meters) over Cat5e/6 cable.
- Supports multi-video output via Ethernet switches for flexible management.
- Compatible with POE switches, reducing the need for additional power adapters.
- Works with conventional 100M/1000M Ethernet switches.
- Delivers crisp 1080p@60Hz full HD resolution.

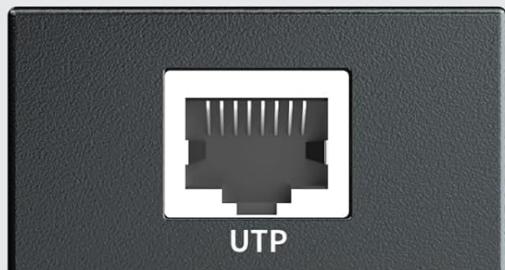
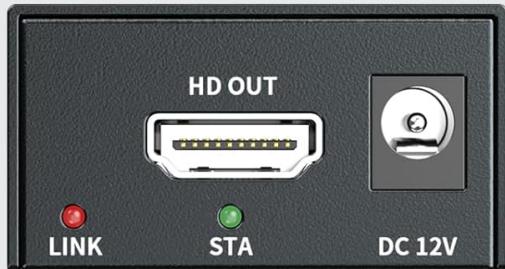
2. PACKAGE CONTENTS

Please verify that all items are included in your package:

- 1x HDMI Transmitter (TX) Unit
- 1x HDMI Receiver (RX) Unit
- 2x DC 12V Power Adapters
- 1x User Manual



Transmitter



Receiver

Image: Package Contents

3. PRODUCT OVERVIEW

The PWAY PW-DT273P system consists of a Transmitter (TX) unit and a Receiver (RX) unit. Familiarize yourself with the ports and indicators on each unit:



Image: Transmitter and Receiver Ports

Transmitter (TX) Unit:

- HD IN:** HDMI input port for connecting to the source device (e.g., DVD player, laptop).
- UTP:** RJ45 Ethernet port for connecting to the Receiver unit or network switch.
- DC 12V:** Power input port (use one of the provided adapters if not using POE).
- LINK LED:** Indicates Ethernet link status.
- STA LED:** Indicates HDMI signal status.
- MODE Button:** For specific operational modes (refer to advanced settings if applicable, typically for pairing or reset).

Receiver (RX) Unit:

- HD OUT:** HDMI output port for connecting to the display device (e.g., TV, monitor).
- UTP:** RJ45 Ethernet port for connecting to the Transmitter unit or network switch.
- DC 12V:** Power input port (use one of the provided adapters if not using POE).
- LINK LED:** Indicates Ethernet link status.
- STA LED:** Indicates HDMI signal status.

4. SETUP INSTRUCTIONS

4.1 Safety Precautions

- Ensure all devices are powered off before making connections.
- Use only the provided power adapters or a compatible POE switch.
- Avoid exposing the units to moisture or extreme temperatures.

4.2 Cable Requirements

Use high-quality Cat5e or Cat6 Ethernet cables for optimal performance and signal integrity. The maximum recommended distance is 400ft (120 meters).

4.3 One-to-One Connection

This configuration extends an HDMI signal from a single source to a single display.

1. Connect your HDMI source device (e.g., DVD player, laptop) to the **HD IN** port of the Transmitter (TX) unit using an HDMI cable.
2. Connect your display device (e.g., TV, monitor) to the **HD OUT** port of the Receiver (RX) unit using an HDMI cable.
3. Connect the **UTP** port of the TX unit to the **UTP** port of the RX unit using a single Cat5e/6 Ethernet cable.
4. Connect the provided DC 12V power adapters to both the TX and RX units, or ensure both units are connected to a POE-enabled network switch.
5. Power on all connected devices.

HDMI Signal up to 400ft

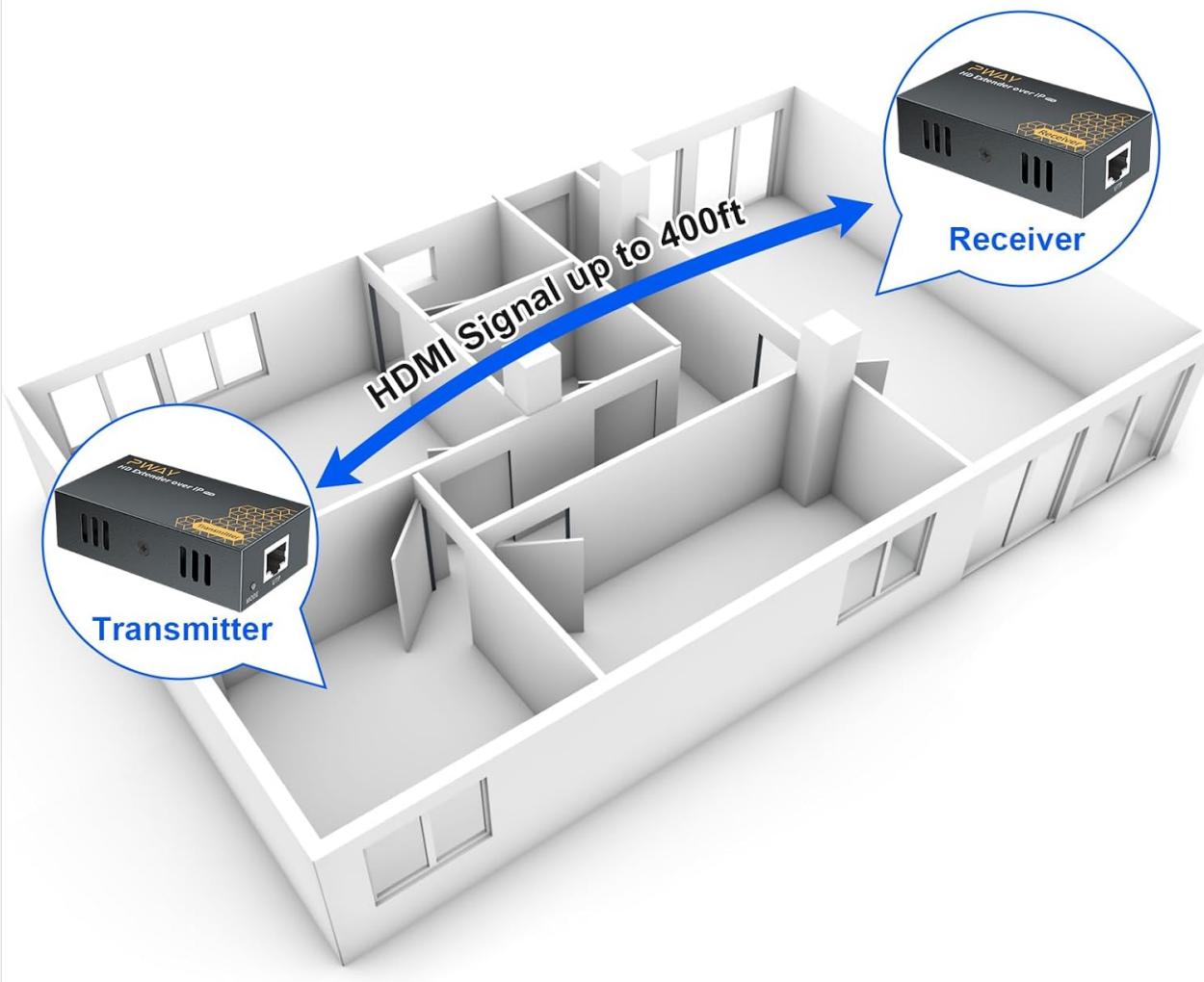


Image: One-to-One Connection Diagram

4.4 One-to-Many Connection via POE Switch

This configuration allows a single HDMI source to be displayed on multiple screens using a POE-enabled network switch.

1. Connect your HDMI source device to the **HD IN** port of the Transmitter (TX) unit using an HDMI cable.
2. Connect the **UTP** port of the TX unit to a port on your POE-enabled network switch using a Cat5e/6 Ethernet cable.
3. Connect the **UTP** port of each Receiver (RX) unit to a separate POE-enabled port on the same network switch using Cat5e/6 Ethernet cables.
4. Connect each display device to the **HD OUT** port of its respective RX unit using an HDMI cable.
5. Power on all connected devices. The TX and RX units will receive power from the POE switch.

POE Switch Connection

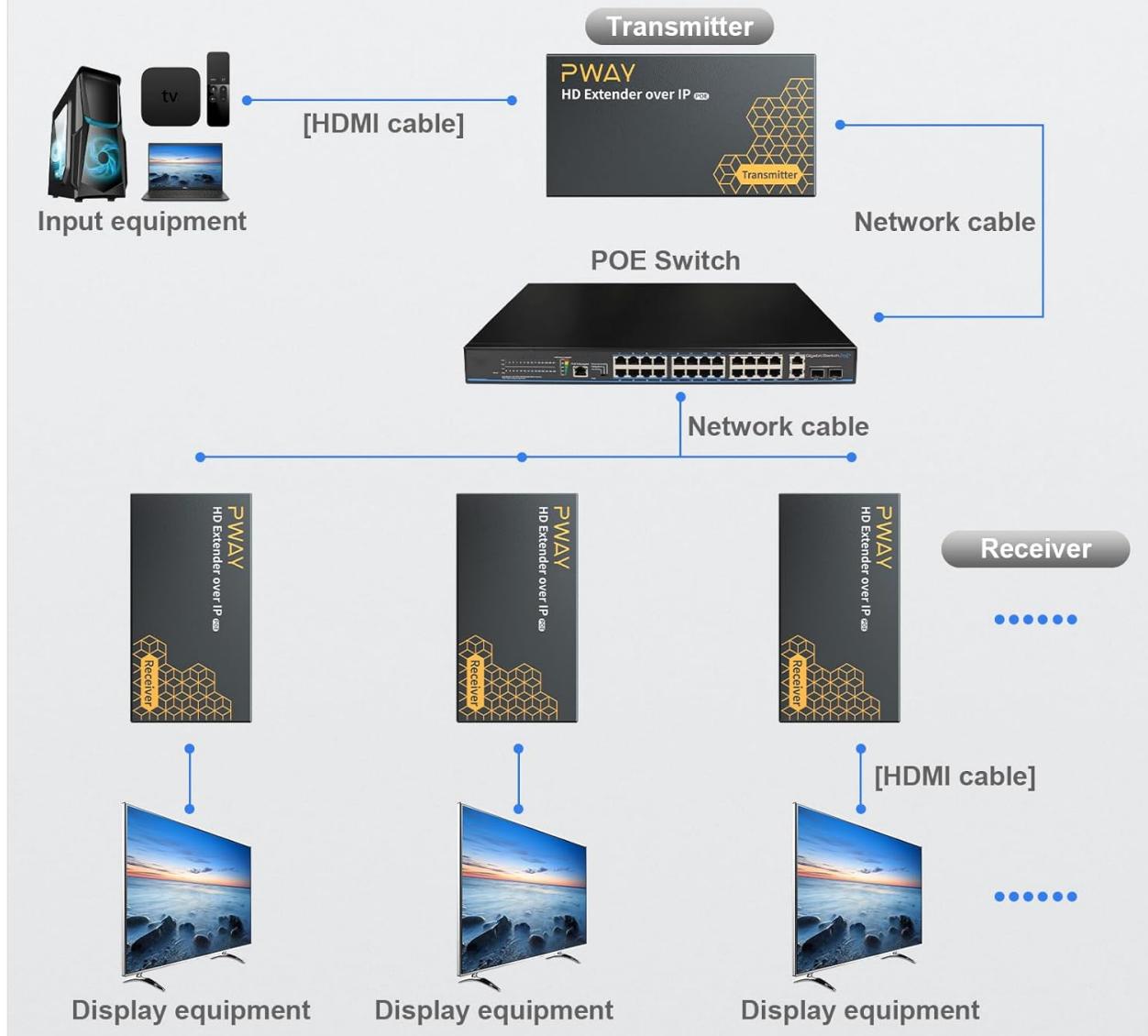


Image: One-to-Many POE Switch Connection Diagram

4.5 One-to-Many Connection via Regular Switch

This configuration allows a single HDMI source to be displayed on multiple screens using a standard network switch. External power adapters are required for the RX units.

1. Connect your HDMI source device to the **HD IN** port of the Transmitter (TX) unit using an HDMI cable.
2. Connect the **UTP** port of the TX unit to a port on your regular network switch using a Cat5e/6 Ethernet cable.
3. Connect the **UTP** port of each Receiver (RX) unit to a separate port on the same network switch using Cat5e/6 Ethernet cables.
4. Connect each display device to the **HD OUT** port of its respective RX unit using an HDMI cable.
5. Connect the provided DC 12V power adapters to the TX unit and each RX unit.
6. Power on all connected devices.

Regular Switch Connection

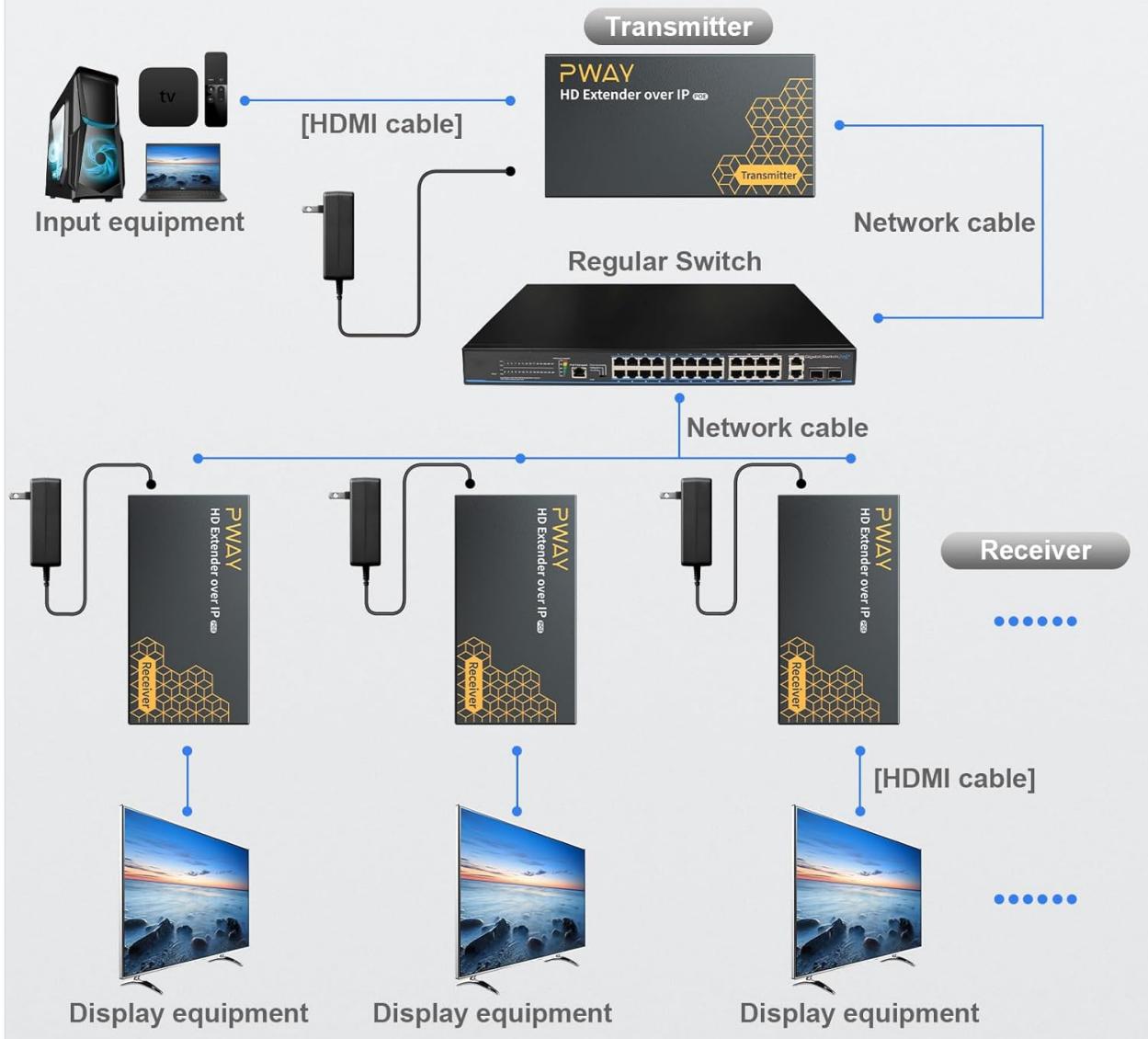


Image: One-to-Many Regular Switch Connection Diagram

5. OPERATING INSTRUCTIONS

Once all connections are made and power is supplied, the system should operate automatically.

1. Ensure all source and display devices are powered on.
2. Check the **LINK** and **STA** LED indicators on both the TX and RX units. A solid light typically indicates a successful connection and signal transmission.
3. The extender supports 1080p@60Hz resolution. Your display should automatically detect and show the extended HDMI signal.



Image: 1080p@60Hz HD Vision

6. MAINTENANCE

- Keep the units clean by wiping them with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Store the units in a cool, dry place away from direct sunlight and heat sources.
- Ensure proper ventilation around the units to prevent overheating.
- Regularly check cable connections to ensure they are secure.

7. TROUBLESHOOTING

If you encounter issues with your PWAY HDMI Extender, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on display	No power to TX/RX units; Loose HDMI/Ethernet cables; Incorrect input selection on display; Incompatible resolution.	Check power connections and adapters; Ensure all cables are securely connected; Select the correct HDMI input on your display; Try a different HDMI source or display.
Flickering or poor image quality	Poor quality Ethernet cable; Ethernet cable too long; Interference; Encoder overload with fast-moving images at 1080p.	Use a high-quality Cat6 cable; Ensure cable length is within 400ft (120m); Reduce interference by separating cables; Try setting the source resolution to 720p, especially for content with rapid motion.
No audio	Audio settings on source/display; HDMI cable issue.	Check audio output settings on your source device; Ensure your display's audio is not muted; Try a different HDMI cable.
LINK/STA LEDs not lit	No power; No Ethernet link; No HDMI signal.	Verify power supply to both units; Check Ethernet cable connection; Ensure HDMI source is active and connected.

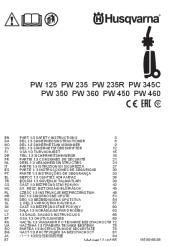
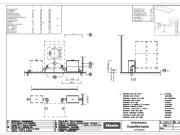
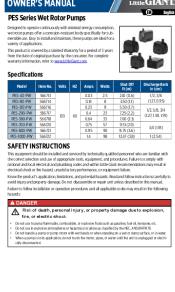
8. SPECIFICATIONS

Feature	Detail
Model Number	PW-DT273P
Product Dimensions	3.2 x 1.7 x 0.9 inches
Item Weight	1.01 pounds
Connector Type	HDMI
Cable Type	HDMI, Cat5e/6 Ethernet
Compatible Devices	DVD Player, Laptop, Monitor, Television
Resolution Support	Up to 1080p@60Hz
Transmission Distance	Up to 400ft (120 meters)
Power Supply	DC 12V (included adapters) or POE
Color	Black
Manufacturer	PWAY Technology

9. WARRANTY AND SUPPORT

PWAY products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the warranty card included in your package or contact PWAY customer support. For technical assistance, troubleshooting, or further inquiries, please visit the official PWAY store or contact their customer service department. You can find more information and support resources at the [PWAY Store on Amazon](#).

Related Documents - PW-DT273P

 Husqvarna Pressure Washer Safety Instructions and User Guide	<p>Essential safety instructions and user guide information for Husqvarna pressure washer models PW 125, PW 235, PW 235R, PW 345C, PW 350, PW 360, PW 450, and PW 460. Learn how to operate safely and maintain your equipment.</p>
 Miele APWM900 Fluff Filter Box Installation Plan	<p>Comprehensive installation guide for the Miele APWM900 fluff filter box. Includes detailed dimensions, connection specifications, and clearance requirements for various Miele laundry appliances. Essential for professional installation.</p>
 Little Giant PES Series Wet Rotor Pumps Owner's Manual	<p>Owner's manual for Little Giant PES Series Wet Rotor Pumps. Provides detailed specifications, safety instructions, installation guides, maintenance procedures, and troubleshooting tips for submersible pumps.</p>
 Pulse Kauai Shower System - Owner's Manual and Installation Guide	<p>Detailed owner's manual for the Pulse Kauai Shower System, including parts list, step-by-step installation instructions, usage guidelines, care and maintenance advice, and manufacturer's lifetime limited warranty information.</p>
 Prowise Touchscreen Warranty Terms and Conditions	<p>Detailed warranty terms and conditions for Prowise Touchscreens, including standard warranty periods, Dead On Arrival (DOA) policy, accessories warranty, and warranty limitations. Covers various Prowise Touchscreen models and their respective warranty terms.</p>

