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Lindy 38365

Lindy 38365 Extender, SDVoE HDMI 4K60 and USB Transmitter User Manual

Model: 38365

1. INTRODUCTION

The Lindy 38365 Extender is an advanced SDVoE (Software Defined Video over Ethernet) device designed for transmitting high-quality 4K@60Hz 4:4:4 HDMI video and USB signals over a 10G network. This device supports uncompressed resolution with HDR10 and no latency, making it ideal for professional AV installations. It can operate in either Encoder (Transmitter) or Decoder (Receiver) mode, offering flexibility for various system configurations.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Use only the provided power supply and mounting hardware.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Ensure proper ventilation to prevent overheating.

3. PACKAGE CONTENTS

- Lindy 38365 Extender Unit
- Power supply
- Mounting hardware
- User Manual (this document)

4. PRODUCT OVERVIEW

The Lindy 38365 Extender is a versatile unit capable of functioning as both an SDVoE HDMI 4K60 and USB Transmitter (Encoder) or Receiver (Decoder). It features multiple ports for video, audio, USB, and network connectivity.



Figure 4.1: Lindy 38365 Extender - Overall View. This image displays the top and side panels of the black extender unit, highlighting its ventilation grilles and various input/output ports.

4.1 Front Panel



Figure 4.2: Front Panel. The front panel includes LED indicators for Power, Status, Link, Video, USB, Encoder (ENC), and Decoder (DEC) modes. It also features a Reset button, a Mode button, two USB device ports, and one USB Host port.

- **RESET Button:** Resets the device.
- **LED Indicators:** Power, Status, Link, Video, USB, ENC (Encoder), DEC (Decoder).
- **MODE Button:** Toggles between Encoder and Decoder modes.
- **USB DEVICES (1, 2):** USB ports for connecting peripheral devices.
- **USB HOST:** USB port for connecting to a host computer.

4.2 Rear Panel



Figure 4.3: Rear Panel. This view shows the DC 12V power input, RS-232 terminal block, IR In/Out jacks, HDMI In/Out ports, 10G (PoE) SFP+ port, 1G LAN port, and Audio In/Out jacks.

- **DC 12V:** Power input connector.
- **RS-232 (TX, RX):** Serial control port.
- **IR IN / IR OUT:** Infrared signal input and output for remote control.
- **HDMI IN:** HDMI input port.
- **HDMI OUT:** HDMI output port.
- **10G (PoE) SFP+:** 10 Gigabit Ethernet port with SFP+ cage, supporting Power over Ethernet.
- **1G LAN:** 1 Gigabit Ethernet port.
- **AUDIO IN / AUDIO OUT:** Analog audio input and output jacks.



Figure 4.4: Rear Panel Close-up. A detailed view of the power, control, and HDMI ports on the rear panel, showing the DC 12V input, RS-232 terminal, IR In/Out, and HDMI In/Out connectors.

5. SETUP

Follow these steps to set up your Lindy 38365 Extender:

1. **Determine Mode:** Decide whether the unit will function as an Encoder (Transmitter) or a Decoder (Receiver). Use the MODE button on the front panel to switch between modes. The corresponding LED (ENC or DEC) will illuminate.
2. **Power Connection:** Connect the provided 12V DC power supply to the DC 12V port on the rear panel. Alternatively, if using a PoE-enabled 10G network switch, the unit can be powered via the 10G (PoE) SFP+ port.
3. **Network Connection:** Connect the 10G (PoE) SFP+ port to your 10 Gigabit Ethernet network switch using an appropriate SFP+ module and fiber or copper cable. The 1G LAN port can be used for additional network connectivity or control.
4. **HDMI Connection (Encoder Mode):**

- Connect your HDMI source (e.g., Blu-ray player, PC) to the **HDMI IN** port.
- If local monitoring is required, connect an HDMI display to the **HDMI OUT** port.

5. **HDMI Connection (Decoder Mode):**

- Connect your HDMI display (e.g., TV, projector) to the **HDMI OUT** port.

6. **USB Connection:**

- In Encoder mode, connect a host computer to the **USB HOST** port.
- Connect USB peripheral devices (e.g., keyboard, mouse) to the **USB DEVICES** ports (1, 2).

7. **Audio Connection:** If using external analog audio, connect your audio source to **AUDIO IN** and your audio receiver/speakers to **AUDIO OUT**.

8. **RS-232 & IR Control:** Connect RS-232 control devices to the terminal block and IR emitters/receivers to the IR IN/OUT jacks as needed for system integration.

6. OPERATING INSTRUCTIONS

Once all connections are made and the unit is powered on, the Lindy 38365 Extender will automatically detect the connection type and begin operation based on its configured mode (Encoder or Decoder).

- **Mode Switching:** Press the **MODE** button on the front panel to toggle between Encoder (ENC) and Decoder (DEC) functionality. The active mode is indicated by the illuminated LED.
- **LED Indicators:** Monitor the front panel LEDs to confirm power, network link, video signal presence, and USB activity.
- **SDVoE Features:** The device supports advanced SDVoE features such as Multicast, Video Wall, and Multiview configurations. These advanced functionalities typically require a compatible SDVoE controller and software for configuration and management. Refer to your SDVoE system documentation for detailed setup of these features.
- **USB Extension:** USB devices connected to the "USB DEVICES" ports on the Decoder unit will be extended to the host connected to the "USB HOST" port on the Encoder unit.

7. MAINTENANCE

- **Cleaning:** Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the Lindy website for any available firmware updates to ensure optimal performance and compatibility.

8. TROUBLESHOOTING

- **No Video Output:**
 - Verify all HDMI cables are securely connected.
 - Ensure the unit is in the correct mode (Encoder/Decoder).
 - Check the network connection and ensure the 10G link is active.
 - Confirm the source and display are powered on and functioning correctly.
- **No USB Functionality:**
 - Ensure USB cables are properly connected to the USB HOST and USB DEVICES ports.
 - Verify the unit is in the correct mode for USB extension.

- **Network Connectivity Issues:**

- Check the 10G (PoE) SFP+ port and 1G LAN port connections.
- Confirm your network switch supports 10G and PoE (if used).
- Verify network cable integrity.

- **Device Not Powering On:**

- Ensure the 12V DC power supply is correctly connected and plugged into a working outlet.
- If using PoE, confirm the 10G network switch is providing power.

9. SPECIFICATIONS

Feature	Detail
Brand	Lindy
Model Number	38365
Connectivity Technology	Ethernet
Supported Resolution	Up to 4K@60Hz 4:4:4 with HDR10 (uncompressed)
Latency	No latency
Operating Modes	Encoder or Decoder
Network Ports	1x 10G (PoE) SFP+, 1x 1G LAN
HDMI Ports	1x HDMI In, 1x HDMI Out
USB Ports	1x USB Host, 2x USB Devices
Audio Output Mode	Stereo, Surround (5.1)
Control Methods	Push Button (Mode), RS-232, IR, Remote
Power Input	DC 12V, PoE (Power over Ethernet)
Wattage	5 Watts
Item Weight	1.29 Kilograms
Color	Black

10. WARRANTY

The Lindy 38365 Extender comes with a **3-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty covers manufacturing defects and faults under normal use conditions.

11. SUPPORT

For technical support, troubleshooting assistance, or further information regarding your Lindy 38365 Extender, please visit the official Lindy website or contact your local Lindy customer service representative. Ensure you have your product model number and purchase details available when seeking support.

