

## VEO-XPS15

FULL HD EXTENDER

*Full HD single Cat5e/6 Extender Kit*



## USER MANUAL

# INDEX

1. IMPORTANT REMARK .....	3
2. IMPORTANT SAFETY INSTRUCTIONS .....	3
3. IMPORTANT NOTE .....	5
4. INTRODUCTION .....	5
5. PACKAGE CONTENTS .....	5
6. PANEL DESCRIPTION .....	6
6.1. Transmitter Front and Rear Panel.....	6
6.2. Receiver Front and Rear Panel.....	6
7. CONNECTION AND INSTALLATION .....	7
8. APPLICATION DIAGRAM .....	8
9. TECHNICAL SPECIFICATIONS.....	9

## 1. IMPORTANT REMARK




WARNING: SHOCK HAZARD - DO NOT OPEN  
AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING (If applicable):** The terminals marked with symbol of “” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords.

**WARNING:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

**WARNING:** An apparatus with Class I construction shall be connected to a mains socket-outlet with a protective earthing connection.

## 2. IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the apparatus during lightening sorts or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Disconnecting from mains: Switching off the POWER switch all the functions and light indicators of the amplifier will be stopped, but fully disconnecting the device from mains is done unplugging the power cord from the mains input socket. For this reason, it always shall remain readily operable.
15. Equipment is connected to a socket-outlet with earthing connection by means of a power cord.
16. The marking information is located at the bottom of apparatus.
17. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



**WARNING:** This product must not be discarded, under any circumstance, as unsorted urban waste. Take to the nearest electrical and electronic waste treatment centre.

**NEEC AUDIO BARCELONA, S.L.** accepts no liability for any damage that may be caused to people, animal or objects due to failure to comply with the warnings above.

### 3. IMPORTANT NOTE

Thank you for choosing our **VEO-XPS15 Full HD extender Kit**. It is **VERY IMPORTANT** to carefully read this manual and to fully understand its contents before making any connection in order to maximize your use and get the best performance from this equipment.

To ensure optimal operation of this device, we strongly recommend that its maintenance be carried out by our authorised Technical Services.

The **VEO-XPS15** comes with a **3-year** warranty.

### 4. INTRODUCTION

Ecler VEO-XPS15 is a professional HDMI extender kit that allows extending High Definition Audio and Video signal and IR control over single Cat5e/6 cable up to 50m. VEO-XPS15 includes EDID management features and it supports IR pass-through for seamless integration.

VEO-XPS15 is a simple and cost effective solution for all professional applications where High Definition HDMI extension is required.

#### Features:

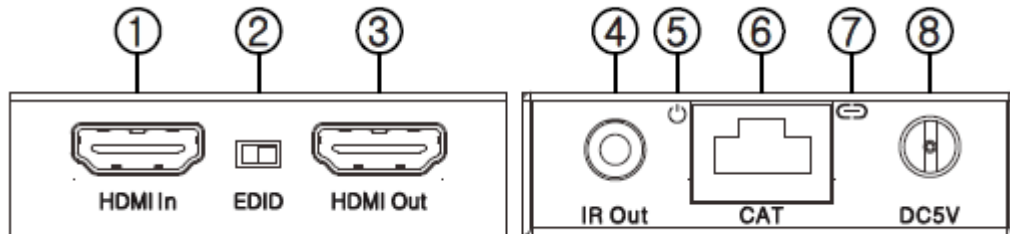
- Complete HDMI Extender Kit for HDMI Audio Video and IR signal extension over single Cat5e/6/7 cable
- Supports up to 1080p/60Hz High Definition resolution Compact design for easy and flexible installation
- Supports copying EDID from receiver or loop out display
- Allows cascading through additional HDMI loop out port
- Supports Power over cable function (Receiver is powered by Transmitter)
- Works with HDMI and HDCP compliant devices

### 5. PACKAGE CONTENTS

- 1 x Transmitter Unit
- 1 x Receiver Unit
- 1 x 5V DC 1A International Power Supply (One PSU for both units)
- 1 x IR Blaster unit
- 1 x IR Receiver unit

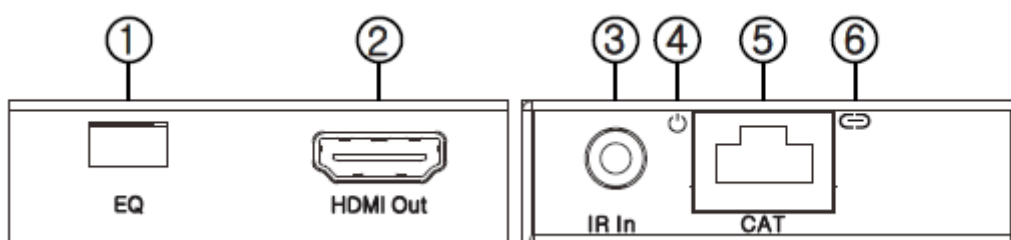
## 6. PANEL DESCRIPTION

### 6.1. Transmitter Front and Rear Panel



1. HDMI Input Port
2. EDID Function Selector:
  - Right position: extender will copy HDMI loop Output display EDID information
  - Left position: extender will copy Receiver display EDID information
3. HDMI Output Port
4. IR Transmitter Port
5. Power LED Indicator
6. Cat5e/6/7 Output Port
7. HDMI Input link Indicator
8. 5V DC Plug Connector



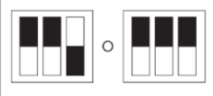
### 6.2. Receiver Front and Rear Panel



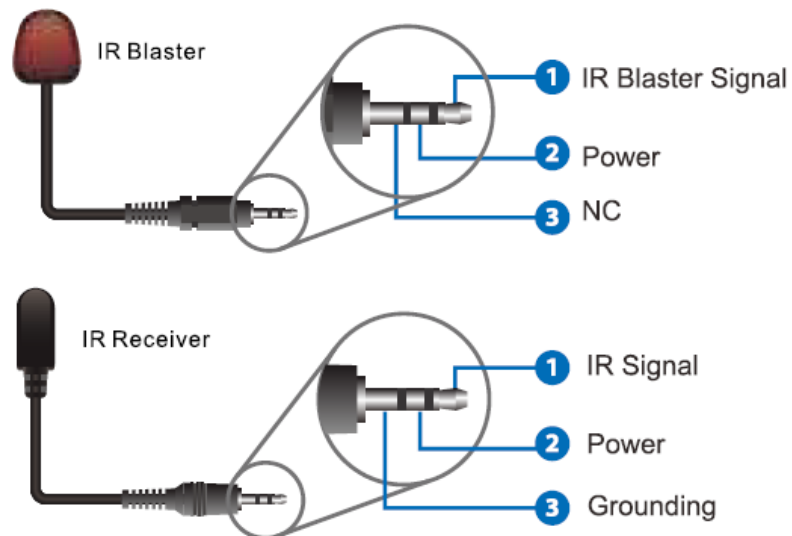
1. EQ DIP-Switches
2. HDMI Output Port
3. IR Receiver Port
4. Power LED Indicator
5. Cat5e/6/7 Input Port
6. HDBaseT Link Indicator

## 7. CONNECTION AND INSTALLATION

1. Connect HDMI signal source (such as PC, Blu-ray player, etc) to HDMI input of VEO-XPS15.
2. Connect Cat5e/6/7 cable from RJ45 output of TX to RJ45 input of RX. Shielded cables with shielded RJ45 connectors are strongly recommended.
3. Check the EQ switcher settings, according to the cable length, as reported in the following table:

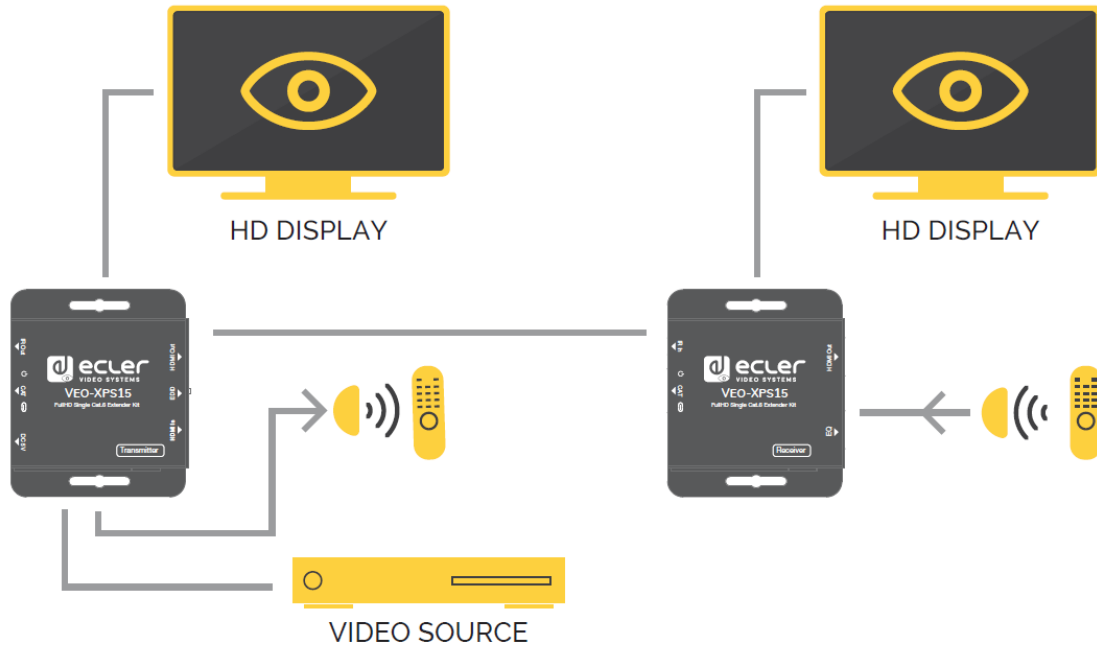
	< 15 meters		30-40 meters	
	15-30 meters		40-50 meters	

4. Connect HDMI display device (Full HD display) to HDMI output of VEO-XPS15.
5. Connect IR Blaster cable into IR-Out port of the Transmitter; Connect IR Receiver cable into IR-In port of the Receiver.



6. Connect 5V DC power supply to VEO-XPS15 Transmitter.
7. If you notice any flickering or blinking on the display, adjust the EQ switch to improve cable skew.

## 8. APPLICATION DIAGRAM





## 9. TECHNICAL SPECIFICATIONS

### Supported Resolutions

1080p@23.98/24/25/29.97/30/50/59.94/60Hz,  
1080i@50/59.94/60Hz, 720p@50/59.94/60Hz,  
576p, 576i, 480p, 480i

<b>Color space</b>	YCbCr, RGB
<b>Chroma Subsampling</b>	4:4:4, 4:2:2
<b>Color depth</b>	8-bit
<b>Signal Bandwidth</b>	4.95 Gbps
<b>HDCP</b>	1.4 Compliant
<b>Audio Formats</b>	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1
<b>Sample Rate</b>	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
<b>Bitrate</b>	up to 24-bit
<b>Distance</b>	up to 50 meters (165 ft)
<b>HDMI Distance</b>	up to 10 meters (33 ft) with Ecler VEO cables
<b>Operating Temperature</b>	0 - 40°C (32 - 104°F)
<b>Humidity</b>	20 - 90% RH (no condensation)
<b>Power Consumption</b>	TX: 1.5W; RX: 1W
<b>Power Supply</b>	AC100~240V 50/60Hz Output: DC 5V/1A
<b>Dimension H x W x D</b>	60mm x 60mm x 15mm (2.36" x 2.36" x 0.59") (TX and RX)
<b>Weight</b>	300g (0.661 lbs) (Pair)

All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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