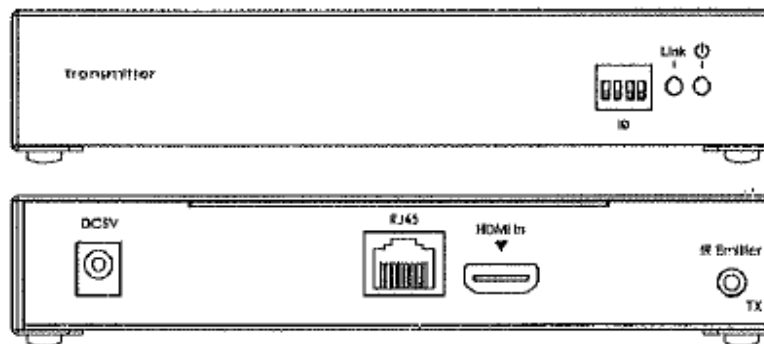


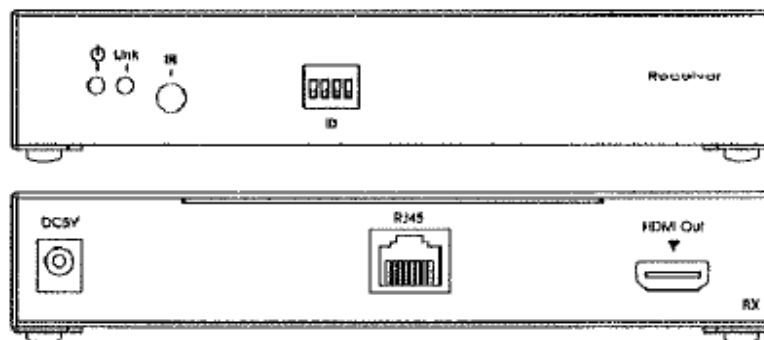
## HDMI Over Gigabit with Dip Switch HOC-100GD

### User Manual

#### *Transmitter*



#### *Receiver*



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# INTRODUCTION

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The HOC-100GD HDMI Over Gigabit Extender-Transmitter & Receiver.

The HOG-100GD HDMI over Gigabit Ethernet Extender sends HDMI signals over just one 100Ohm Cat.6 cable – up to 330 feet away. The HOC-100GD HDMI over Gigabit Extender supports HDMI 1.2 and the newer HDMI 1.3 with Full HD 1080p resolution. DVI-D Computer video can also be transmitted with a DVI-to-HDMI cable.

By using standard and widely available 100Ohm Cat.6 cables, the HOG-100GD HDMI Over Gigabit Extender makes HDMI signal extensions easier than heavy and expensive copper cable and more robust than optical fibre.

## **How it connects**

The HOG-100GD HDMI over Gigabit Ethernet Extender system consist of a Transmitter and a Receiver. The HDMI source (set-top box, DVD player, or gaming console) connects to the Transmitter box. The Receiver box connects to the HDTV display in the same way – up to 330 feet away.

One 100Ohm Cat.6 cable link the Transmitter and Receiver. Power is applied to the Transmitter and Receiver with the included 5V DC power supplies. HDMI picture emerges on the HDTV display.

**\*Note:** The HOG-100GD HDMI Over Gigabit Extender is HDCP 2.0 compliant.

# FEATURES

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- **Flexible extension** of high-bandwidth **HDMI.3**
- **Audio and video are transmitted digitally over the 100Ohm Cat.6 cable for lower** signal loss.
- Single Link Range: *1080p/60* and 1920x1200.
- Compliant with HDMI 1.3. HDCP 2.0 and DVI.1 standards
- **Supports digital video formats in 480p , 720p and IOBOP**
- Supports PCM 2 Ch audio
- **Supports IR Pass thru function and control HDMI source devices**
- **(set-top box, DVD player and Blue ray DVD Player) in Receiver by its**

**IR remote controller.**

## **Package Includes**

- (1) HOC-100GD-TX HDMI Over Giga Ethernet Transmitter
- (2) HOC-100GD-RX HDMI Over Giga Ethernet Receiver
- (3) 5V DC Power Supplies for Transmitter and Receiver**
- (4) User Manual

## **Optional Items:**

**If you need the following items, please talk. with us and we will quote for you.**

- (1) IR Emitter Cable
- (2) IR Extender Cable
- (3) HDMI Cable (3 reet 16 reet 110 reet)
- (4) **Mounted Ear & Screws**

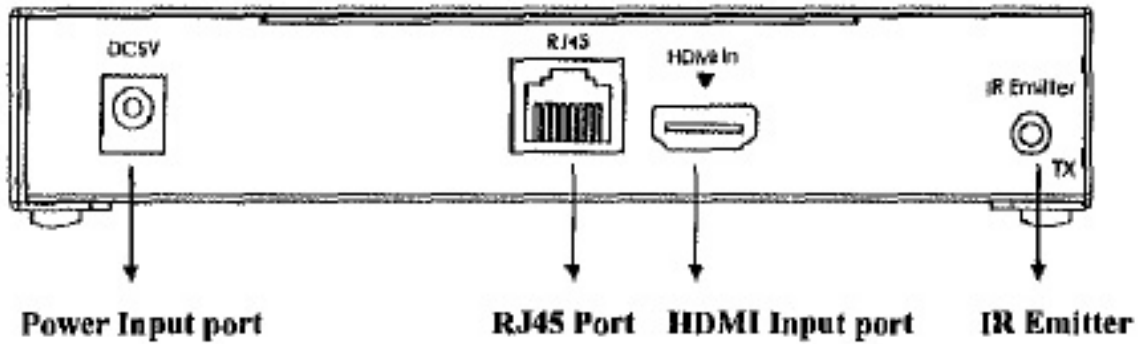
# TRANSMITTER UNIT PANEL LAYOUT

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## Front Panel



## Back Panel



## Side Panel



# TRANSMITTER UNIT PANEL DESCRIPTIONS

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## 1. Power LED

This LED indicator will activate once the included SV DC power adapter has been properly connected between the Transmitter unit and an open wall power socket.

## 2. Link LED

This LED indicator will activate once Cat 6. Cable has been properly connected between the Transmitter unit and Receiver unit.

## 3. Dip Switch

This dip switch is designed to defame the source channel Different combination of dip switch refers different source channel. The user can select source channel through adjusting dip switch of Receiver which should be same as dip switch of selected Transmitter unit. There are 16 combinations for dip switch.

## 4. Power Input Port

Connect the included SV2.5A DC power supply to this input port.

## 5. R/45 Port

Connect a 100Ohm Cat.6 cable between this output port and the RJ4S input port of Receiver unit

## 6. HDMI Input port

Connect one HDMI cable between this port and HDMI output port of the source device (DVD, Set-top box, blue-ray DVD)

## 7. IR Emitter

Connect an IR Emitter Cable to this IR port and stick IR emitter module on the IR receiver zone of HDMI source (set-top box, DVD player and Blue ray DVD Player).

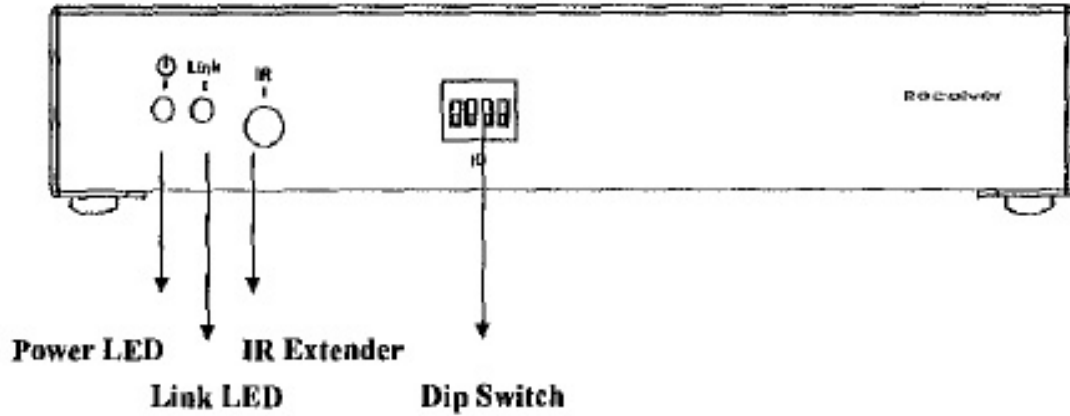
## 8. Reset

Please press this button once it has connecting problem.

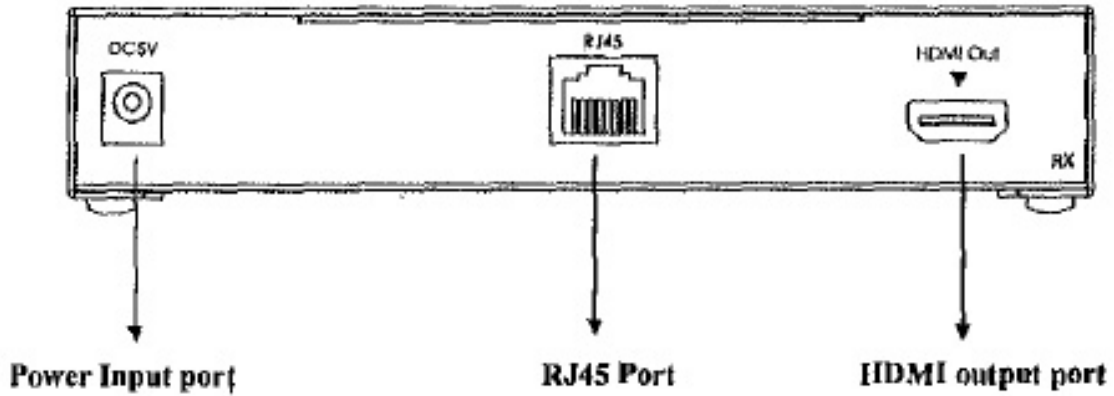
# RECEIVER UNIT PANEL LAYOUT

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## Front Panel



## Back Panel



## Side Panel



# RECEIVER UNIT PANEL DESCRIPTIONS

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## **1. Power LED**

This LED indicator will activate once the included 5V DC power adapter has been properly connected between the Receiver unit and an open wall power socket.

## **2. Link LED**

This LED indicator will activate once Cat .6 cables have been properly connected between the Transmitter unit and Receiver unit.

## **3. IR Extender**

Please connect one IR Extender cable to this port. Once IR emitter cable has been connected between Transmitter and the source device, the source device can be controlled in the Receiver end by its IR remote controller.

## **4. Dip Switch**

This Dip switch is designed for selecting source channel. The user can select source channel through adjusting dip switch of Receiver which should be same as dip switch of selected Transmitter unit.

## **5. Power Input Port**

Connect the included 5V2.5A DC power supply to this input port.

## **6. RJ45 Port**

Connect a 100Ohm Cat.6 cable between this input port and the RJ45 output port of Transmitter unit.

## **7. HDMI output port**

Connect the one HDMI cable between this output port and HDMI input port of the HDTV display.

## **8. Reset**

Please press this button once it has connecting problem.



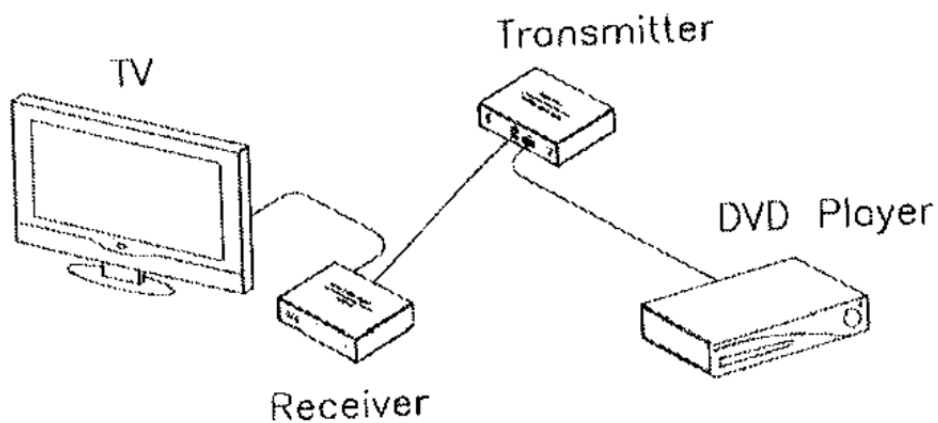
# CONNECTING AND OPERATING

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## How to Connect the HOC-100GD HDMI Over CAT6 Extender One source to one display function

1. Connect one HDMI Cable between the HDMI output port of source device and the HDMI input port of Transmitter unit
2. Connect one HDMI Cable between the HDMI input port of display and the HDMI output port of Receiver unit.
3. Connect one 100Ohm Cat.6 cables between the RJ45 port of Transmitter unit and RJ45 port of Receiver unit.
4. Connect the included SV DC power supplies to both Transmitter unit and Receiver unit.
5. Power on the output device first and the source second.

Please refer the following diagram



# CONNECTING AND OPERATING

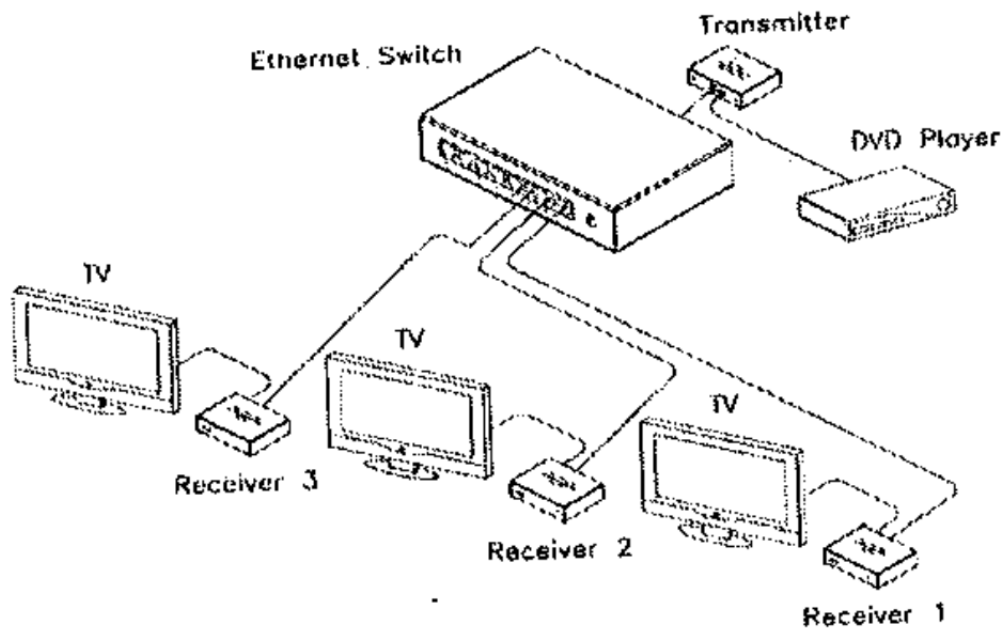
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## How to Connect the HOG-100GD HDMI Over CAT6 Extender One source To Many displays function

- (1) Connect one HDMI Cable between the HDMI output port of source device and the HDMI input port of Transmitter unit
- (2) Connect one 100Ohm Cat.6 cables between the RJ45 port of transmitter and input port of Gigabit Ethernet switch hub.
- (3) Connect one 100Ohm Cat.6 cables between the output port of Gigabit Ethernet switch hub and RJ45 port of Receiver unit.
- (4) Connect the included 5V DC power supplies to Transmitter and Receiver units.
- (5) Power on the output device first and the source second.

**\*Note:** As a transmitter can support over 200 IP address for different receiver unit, it can connect up to 200 pcs Receiver units.

Please refer the following diagram



# CONNECTING AND OPERATING

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## How to Connect the HOC-IOOGD HDMI Over CAT6 Extender Many sources To Many displays function

1. Connect one HDMI Cable between the HDMI output port of source device and the HDMI Input port of Transmitter unit.
2. Connect one HDMI Cable between the HDMI input port of display and the HDMI Output port of Receiver unit.
3. Connect one 100Ohm Cat.6 cables between the RJ45 of Transmitter unit and RJ45 port of Gigabit Ethernet switch hub.
4. Connect one 100hm Cat.6 cables between RJ45 port of Gigabit Ethernet switch hub to RJ4S port of Receiver unit. The user can select source channel through adjusting dip switch of Receiver which should be same as dip switch of selected Transmitter unit.
5. Connect the included 5V DC power supplies to all Transmitter units and Receiver units.

### **\*Note:**

1. Transmitter can supports over 200 IP address for different receiver unit. Thus, it can connect up to 200 pcs Receiver unit.
2. As dip switch has 4 ports, transmitters have 16 combinations which means it only connects up to 16 Transmitter units.

Please refer to the diagram

