

# Matchmaster

## TV Reception Systems

*For the Best*

### 34MM-2K50 INSTRUCTION MANUAL



#### STATEMENT

Thanks for purchasing this product, please read this user manual carefully before using this product. The functions described in this version are updated till March 30, 2020. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

#### SAFETY PRECAUTION

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using power supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with open ventilation.
- Do not twist or pull by force ends of the Cat5e/6 or HDMI cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

#### AFTER-SALES SERVICE

We provide limited warranty for the product within three years.

#### INTRODUCTION

The 34MM-2K50 extends HDMI signal between Transmitter and Receiver over CATx cable. It supports 1080p@60Hz video signals up to 50m including embedded multi-channel audio and HDCP 1.4. Built-in EDID make this product compatible with most display and source device, to ensure HDMI transmission. Advanced power design (PoC) allows this product to be powered at Transmitter, and only one power supply is required. In addition, the 34MM-2K50 send/receive IR signals to each other over the same CATx cable with IR pass through.

#### FEATURES

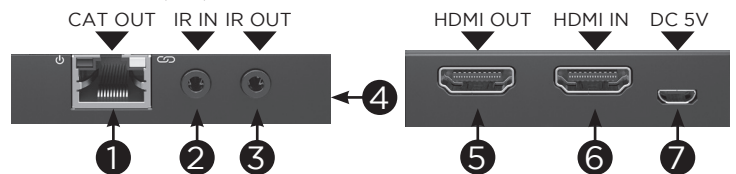
- Supports HDMI 1.3, HDCP 1.4 compliant.
- Supports built-in EDID to ensure HDMI signal transmission from source to display.
- The transmission of 1080p@60Hz (max) signal is up to 50m.
- Supports bidirectional IR pass-through.
- Supports PoC, the Receiver can be powered via Transmitter.

#### PACKAGE CONTENTS

- 1 x Transmitter
- 1 x Power Adaptor (5V DC 1A)
- 1 x IR Receiver (5V)
- 1 x IR Receiver
- 2 x Velcro Tape
- 1 x IR Emitter (5V)
- 1 x User Manual

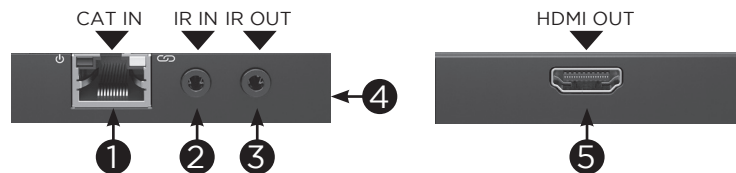
#### PANEL DESCRIPTION

##### Transmitter (TX)



1. CAT OUT: RJ45 connector with Green & Yellow indicators. Connect to Receiver over CATx cable. The Green indicator lights up when powered on. The Yellow indicator lights up when linked successfully between Transmitter and Receiver.
2. IR IN: Connect with IR Receiver.
3. IR OUT: Connect with IR Emitter.
4. RESET: Reboot.
5. HDMI OUT: HDMI loop output, connect to display.
6. HDMI IN: Connect to HDMI source.
7. DC 5V: Micro USB, connect to the power adaptor.

##### Receiver (RX)



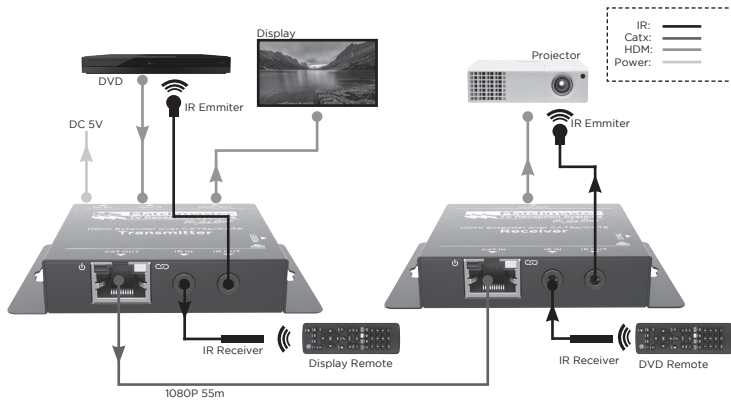
1. CAT IN: RJ45 connector with Green & Yellow indicators. Connect to Transmitter over CATx cable.
2. IR IN: Connect with IR Receiver.
3. IR OUT: Connect with IR Emitter.
4. SYNC: After the system is connected, press this button once for best image output. When the cable, source, or display is changed, or the output resolution is reset, you will need to press this button again to ensure the best image.
5. HDMI OUT: Connect to display.

#### HDMI OUT: CONNECT TO DISPLAY.

	Transmitter	Receiver
Input	(1) HDMI	(1) CAT
Input Connector	(1) 19-pin type-A female HDMI	(1) RJ45
Output	(1) HDMI; (1) CAT	(1) HDMI
Output Connector	(1) 19-pin type-A female HDMI, (1) RJ45	(1) 19-pin type-A female HDMI
Control	(1) IR IN, (1) IR OUT	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks	(2) 3.5mm mini jacks

General	
Transmission Distance	1080p@60Hz≤50m
HDMI Standard	HDMI 1.3, HDCP 1.4 compliant
EDID Management	Built-in EDID
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 5VDC 1A
Power	4W (Max)
Consumption	
Work Temperature	-10~55°C
Relative Humidity	10%-90%
Dimensions (WxHxD)	66 x 16.8 x66 mm
Weight	Transmitter: 36g; Receiver: 38g

## CONNECTION DIAGRAM



**Note:** It is recommended to use CAT6 cable to ensure optimal transmission distance.