

HDMI Over CAT5 Receiver at 100 Meters

Operation Manual



• **Disclaimers**

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.

Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.

Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

• **Copyright Notice**

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or any of its part translated into any language or computer file, in any form or by any means - electronic, mechanical, magnetic, optical, chemical, manual, or otherwise - without express written permission and consent from Cypress Technology.

© Copyright 2010 by Cypress Technology.

All Rights Reserved.

Version 1.0 December 2010

• **Trademark Acknowledgments**

All products or service names mentioned in this document may be trademarks of the companies with which they are associated.

• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

Version No	Date	Summary of Change
VS1	20101201	Add HDCP Description

TABLE OF CONTENTS

1. Introduction	1
2. Features	1
3. Package Contents	1
4. Operation Controls and Functions	2
4.1 Front Panel.....	2
4.2 Rear Panel.....	2
5. Specifications	3
6. Connection and Installation	4

1. Introduction

This is the receiver (Rx) unit of HDMI over CAT5 Tx/Rx solution, works with HDMI over CAT5 transmitter, can extend HDMI signal through CAT-5 cables for a distance up to 100 meters. The installation of HDMI Over CAT5 is easy and quick, simply place the transmitter next to your HDTV source such as a DVD player, then place this unit next to your display, and get all necessary cables connected to complete and enjoy.

2. Features

- Compliant with HDMI 1.2, and DVI 1.0 specifications.
- Supports CAT-5/CAT-5E/CAT-6 cables of variable types.
- Supports high definition input up to 1080P, output resolution follows input.
- Easy to install and simple to operate.
- Not compatible with HDCP Source.

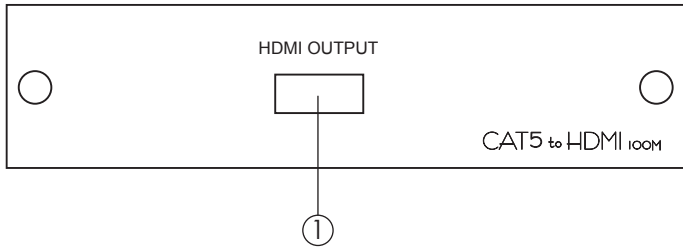
Note: This product does not process HDCP input. When receiving contents that has HDCP encryption there will be no video output.

3. Package Contents

- HDMI Over CAT5 Receiver at 100 Meters
- 5VDC Power Supply Adaptor
- Operation Manual

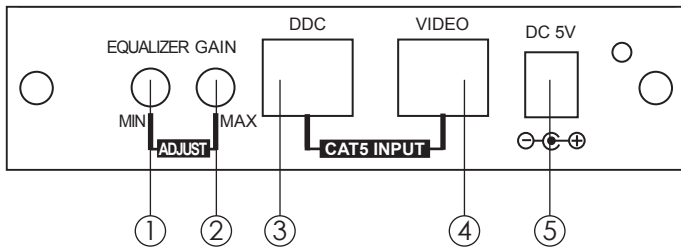
4. Operation Controls and Functions

4.1 Front Panel



- ① HDMI OUTPUT:
Connect the HDMI output port to the HDMI input of your display.

4.2 Rear Panel

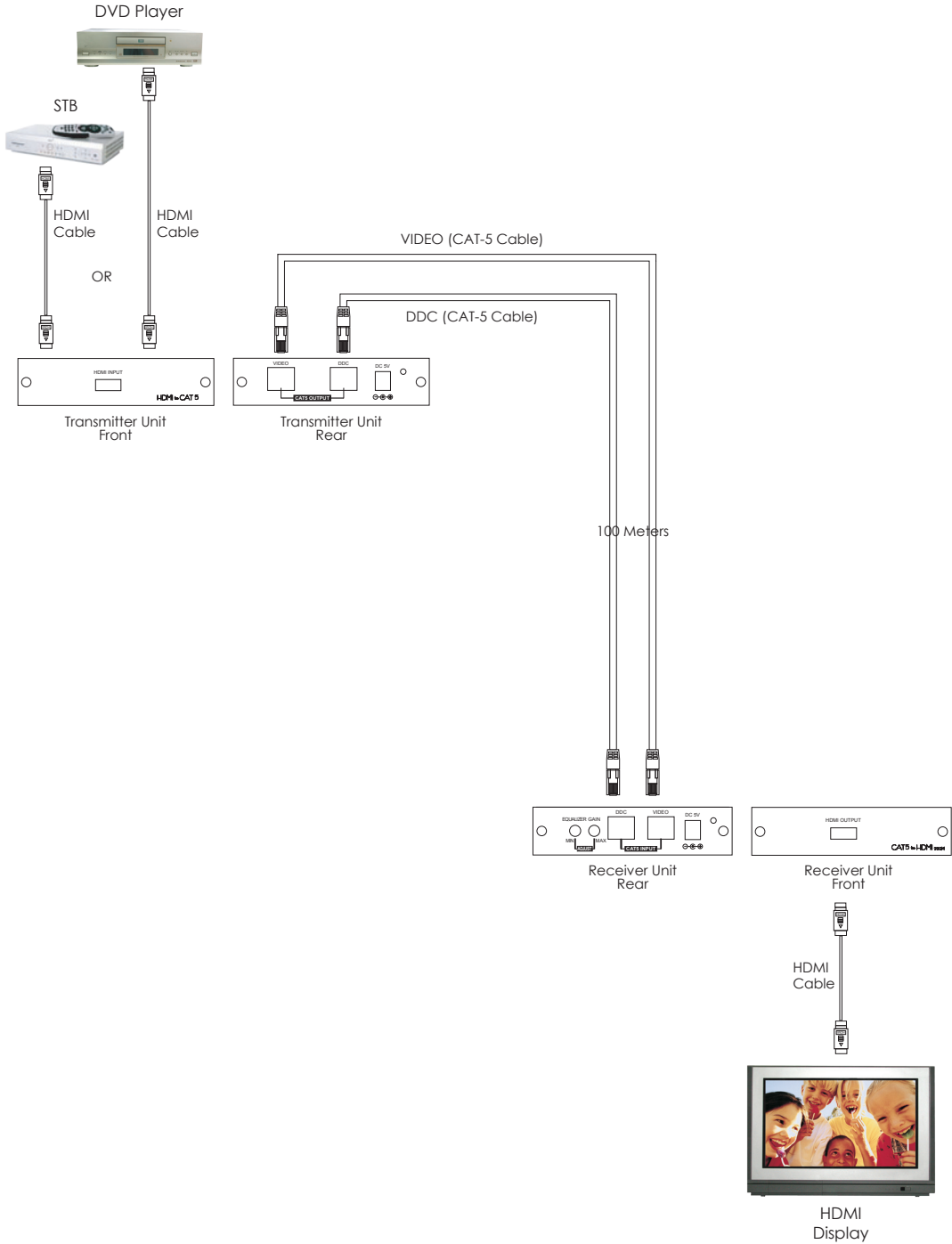


- ① EQUALIZER:
Use this switch to adjust signal enhancement over long distance.
- ② GAIN:
Use this switch to adjust brightness.
- ③ DDC INPUT:
Connect the DDC input to the DDC output of the transmitter unit using CAT-5/CAT-5E/CAT-6 cable.
- ④ VIDEO INPUT:
Connect the VIDEO input to the VIDEO output of the transmitter unit using CAT-5/CAT-5E/CAT-6 cable.
- ⑤ Power:
Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

5. Specifications

- Supported resolutions: HDMI - 480i/480p, 576i/576p, 720P@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
- Input: 1* CAT-5 input for VIDEO, 1* CAT-5 input for DDC
- Output: 1* HDMI female port
- Power: 5V / 2.6A DC power supply
- Dimensions: 123(W) x 125(D) x 30(H)mm
- Weight: 700g

6. Connection and Installation



Cypress HDMI Over CAT5 Series:

Product	Description
CA-HDMIAT	HDMI Over CAT5 Transmitter
CA-HDMI 50R	HDMI Over CAT5 Receiver at 50 meters
CA-HDMI 100R	HDMI Over CAT5 Receiver at 100 meters
CA-HDMI 150R	HDMI Over CAT5 Receiver at 150 meters
CA-HDMI 250R	HDMI Over CAT5 Receiver at 250 meters

Acronyms



Acronym

Complete Term



CYPRESS TECHNOLOGY CO., LTD.
Home page: <http://www.cypress.com.tw>

20070803 MPM-CAHDMI100R