



PU-1107-KIT

Pure digital HDMI over Single CAT6 Extender Set
(Repeatable Version)

OPERATION MANUAL

DISCLAIMERS

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

CYP (UK) Ltd assumes no responsibility for any inaccuracies that may be contained in this document. CYP (UK) Ltd also makes no commitment to update or to keep current the information contained in this document.

CYP (UK) Ltd 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 CYP (UK) Ltd.

© Copyright 2011 by CYP (UK) Ltd.

All Rights Reserved.

Version 1.1 August 2011

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, 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 any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE	SUMMARY OF CHANGE
v1.01	25/04/2014	Amended Format/Diagrams

CONTENTS

1. Introduction	6
2. Applications	6
3. Package Contents	6
4. System Requirements	6
5. Features.....	7
6. Operation Controls and Functions	8
6.1 Transmitter Front and Rear Panels.....	8
6.2 Receiver Front and Rear Panels	9
7. Connection Diagram	10
8. Specifications.....	11
8.1 Technical Specifications	11

1. INTRODUCTION

The PU-1107-KIT is an uncompressed Pure Digital solution to extend HDMI signals via a Single CAT6 cable. The PU-1107-KIT extender set can be used with the PU-1107EX Repeater to extend the HDMI signal over Single CAT6 up to a total of 80m (40m either side of the repeater). It has the added benefit of a 7 step HDMI signal equalization switch to optimize the signal strength.

2. APPLICATIONS

- /// Showroom Display and Control**
- /// Home Entertainment systems**
- /// Commercial/Retail Installations**
- /// Commercial Display**

3. PACKAGE CONTENTS

- /// 1xHDMI over Single CAT6 Transmitter**
- /// 1xHDMI over Single CAT6 Receiver**
- /// 1x5V DC Power Supply adaptor**
- /// 1xOperation Manual**

4. SYSTEM REQUIREMENTS

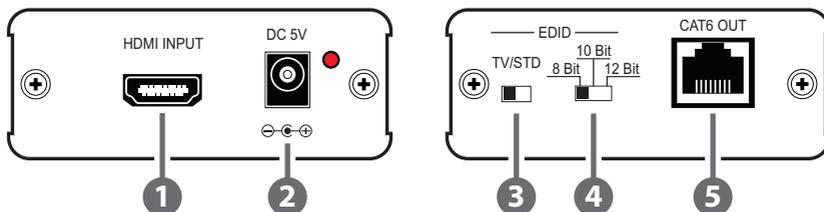
Input HDMI source equipment and output HDMI display with connection cables and one CAT6 cable.

5. FEATURES

- /// 7 step EQ adjustment for HDMI signal equalization
- /// v1.3 HDMI, HDCP 1.1 & DVI 1.0 compliant.
- /// HDMI over a single CAT6 (pure digital transmission)
- /// Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission
- /// Resolution supported: 480i - 1080p 50/60, 1080p 24, VGA - WUXGA
- /// Supports Deep Colour (10 & 12 bit)
- /// Supports xvYCC
- /// Supports CEC bypass
- /// Supports 3D signals
- /// 7 step EQ adjustment for HDMI signal equalization

6. OPERATION CONTROLS AND FUNCTIONS

6.1 Transmitter Front and Rear Panels



1 HDMI INPUT: Connect to the HDMI or DVI output port of your source equipment such as a DVD/Blu Ray player or Set-top box with an HDMI cable or link up with another compatible receiver unit to extend a signal over long distances.

2 DC 5V: Connect the 5V DC power supply to the unit and plug the adaptor into an AC outlet.

3 EDID Control Switch: Switch the EDID between STD and TV modes. Switch to STD mode to use the unit's built-in EDID settings or switch to TV mode to use the TV/display's EDID settings. The default factory setting is TV, leave as is when the display is working properly.

Note: 1. When EDID is switched to STD the unit will use its built-in EDID settings which support:

Video → 1080p 8-bit, 10-bit or 12-bit (max)

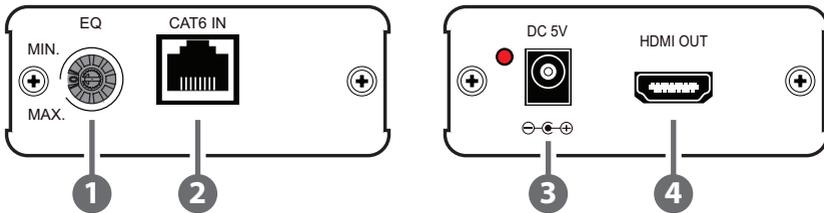
Audio → PCM 2CH

2. The EDID selection will only be activated when the unit is power cycled.

4 8/10/12-Bit Switch: Switches between 8, 10 or 12-bit modes.

5 CAT6 OUT: Connect the CAT6 output of the transmitter to the CAT6 input of the receiver.

6.2 Receiver Front and Rear Panels

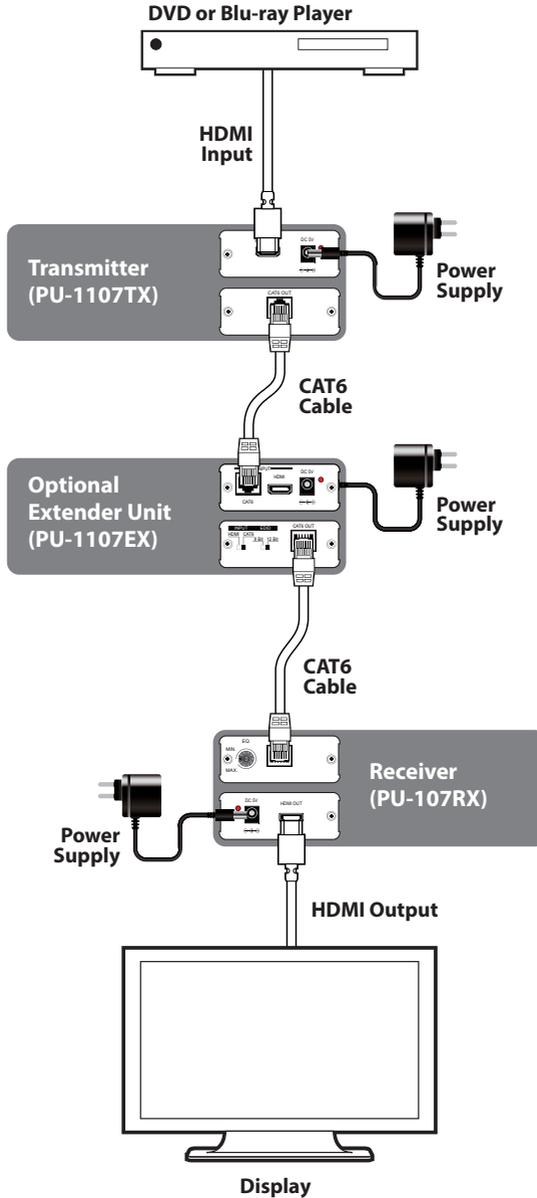


- 1 **EQ MIN./MAX.:** Turn the 'EQ' equalization wheel from 0~7 to optimize the HDMI signal strength according to the transmission length required.
- 2 **CAT6 IN:** Connect to a compatible single CAT6 transmitter device attached to a source device by HDMI (see Section 8.2).
- 3 **DC 5V:** Connect the 5V DC power supply to the unit and plug the adaptor into an AC outlet.
- 4 **HDMI OUTPUT:** Connect to the HDMI or DVI input (with a HDMI to DVI adaptor) of a display such as an HDTV/HD monitor or connect to a compatible transmitter (see Section 8.2) in order to extend the transmission distance.

Note:

- A. *Cable tested with CAT6/23AWG/Solid cable, results may vary with cables of another specification.*
- B. *Equipment used in cable distance testing included: PS3 120G, 37" Philips 8-bit LCD TV and 40" Samsung 12-bit LCD TV.*
- C. *The figures provided in this manual are for reference only; actual performance may depend on the source and display used as well as the cable specification.*

7. CONNECTION DIAGRAM



9. ACRONYMS

ACRONYM	COMPLETE TERM
CAT5e	Category 5 Cable
CAT6	Category 6 cable
CEC	Consumer Electronics Control
HDCP	High-bandwidth Digital content protection
HDMI	High Definition Multimedia Interface



CYP (UK) Ltd., Unit 7, Shepperton Business Park, Govett Avenue, Shepperton,
Middlesex, TW17 8BA

Tel: +44 (0) 20 3137 9180 | Fax: +44 (0) 20 3137 6279

Email: sales@cypeurope.com

www.cypeurope.com

v1.01