



CMDPH-2C

Mini-DisplayPort to HDMI Converter



Operation Manual

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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 DD/MM/YY	SUMMARY OF CHANGE
V1	06/10/10	Preliminary Release
VS2	30/08/12	Updated format/texts

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1. INTRODUCTION

The Mini-DisplayPort to HDMI Converter is designed to display your MAC / PC / Notebook content on an HDTV or monitor. No external power supply is required, as the model can be powered by USB directly. No need to install any software, the model can work with MAC / PC / NB in a plug-and-play fashion, the installation is easy to anyone.

2. APPLICATIONS

- Convert DisplayPort signal to VGA signal
- Display DisplayPort signal on VGA monitor or projector

3. PACKAGE CONTENTS

- Mini-DisplayPort to HDMI Signal Converter
- Operation Manual

4. SYSTEM REQUIREMENTS

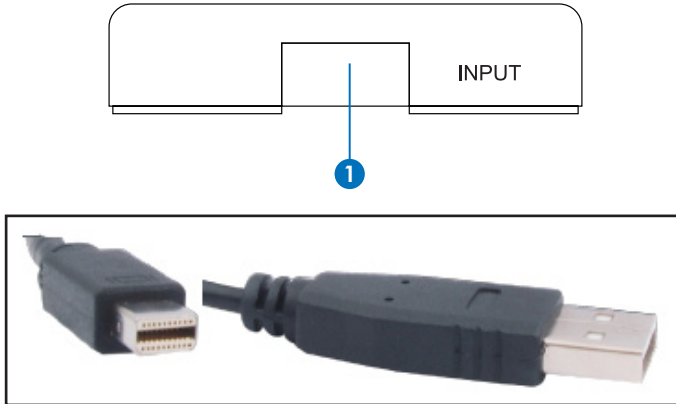
Input Mini-DisplayPort/DisplayPort source equipment, USB powering connection, and HD TV or monitor.

5. FEATURES

- Compliant with HDMI (with Deep Color Video), HDCP1.1 and DVI1.0
- Supports up to 1080p@50/60 and WUXGA
- Supports pixel component format with RGB: YCbCr422: YCbCr444
- Supports bit depth per color with 8/10/12-bit
- Bi-direction Color Space Conversion (CSC) between RGB and YCbCr
- Dithering for conversion from 12-bit component to 10/8-bit
- Support USB 2CH, LPCM 48K@24-bit
- Automatic audio error detection with soft mute function, preventing annoying harsh output sound due to audio error or hot-unplug
- Automatic loss of signal detection for link management

6. OPERATION CONTROLS AND FUNCTIONS

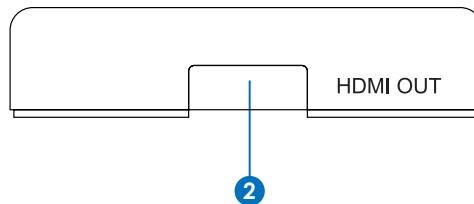
6.1 Front Panel



1 Mini-DisplayPort/USB INPUT

Connect Mini-DisplayPort port to the source equipment, and USB port to device providing power supply. The USB cable, if connected to MAC/PC/NB, can be used to transfer audio signal from the source and be integrated to the HDMI output.

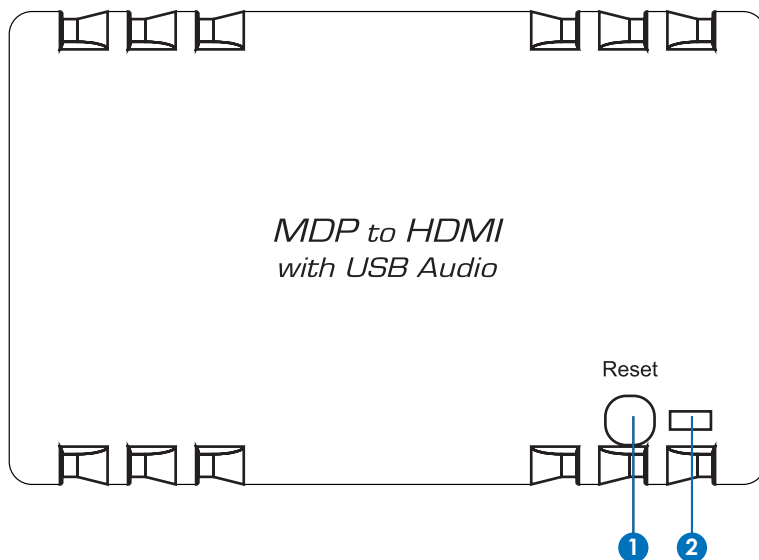
6.2 Rear Panel



1 HDMI OUTPUT

Connect to output display such as HD TV or monitor supporting HDMI.

6.3 Top Panel



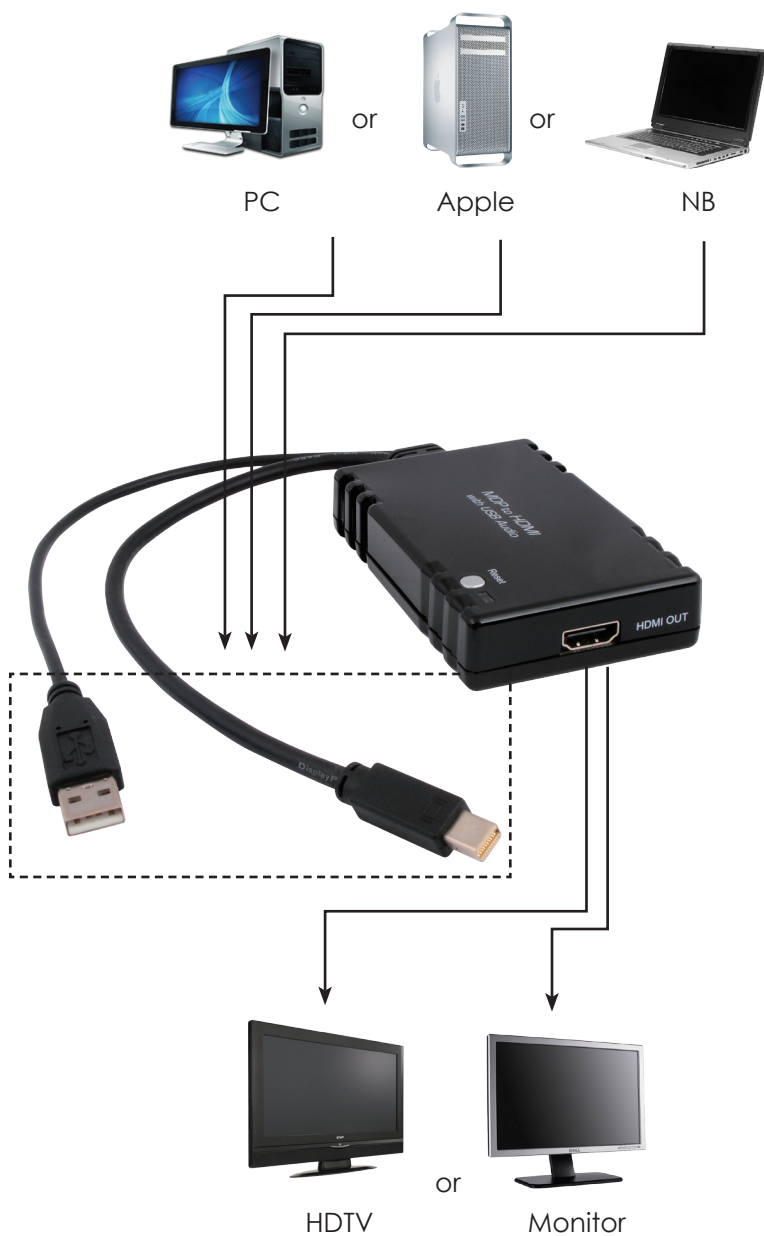
1 Reset

Press this button only when there is no picture output. Press it repeatedly until there is image shown on the display properly.

2 Power LED

The red LED will illuminate when the USB power is connected.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

TMDS Clock Frequency	2.7Gbps
Input ports	1 x Mini-DisplayPort (Male type), 1 x USB
Output port	1 x HDMI (Female type)
Input Resolution	480i ~ 1080p, VGA ~ WUXGA
Output Resolution	480i ~ 1080p, 1920 x 1200@60Hz, VGA~WUXGA
I/O Audio Sample Rate	Up to 48 kHz
I/O Audio Support	PCM 2CH
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions (mm)	100(W) x 62.5(D) x 22(H)
Weight(g)	22
Chassis Material	Plastic
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

9. ACRONYMS

ACRONYM	COMPLETE TERM



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