Zenty | Professional A/V Solution Provider

User Manual [V1.0]



18G HDMI Manager with EDID & HDCP Manage

ZT-486 | ZT-18GEDIDM-H

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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.

Table of Contents

1. Introduction 4
2. Features 4
3. Package Contents 4
4. Specifications 4
5. Panel Description 5
6. System Diagram 6
7. Management 7
8. Upgrade 8

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1. Introduction

The ZT-18GEDIDM-H is a 18G HDMI manager with EDID & HDCP manage. It supports up to 4K@60 4:4:4 and HDCP2.2. The product is power by HDMI or USB-C, and it contains CEC block switch and support auto-downscaling.

2. Features

- 18G HDMI 2.0 4K@60Hz 4:4:4 HDCP 2.2
- Supports EDID and HDCP management
- Powered by HDMI or USB-C
- CEC block switch

3. Package Contents

- (1) x ZT-18GEDIDM-H
- (1) x User Manual

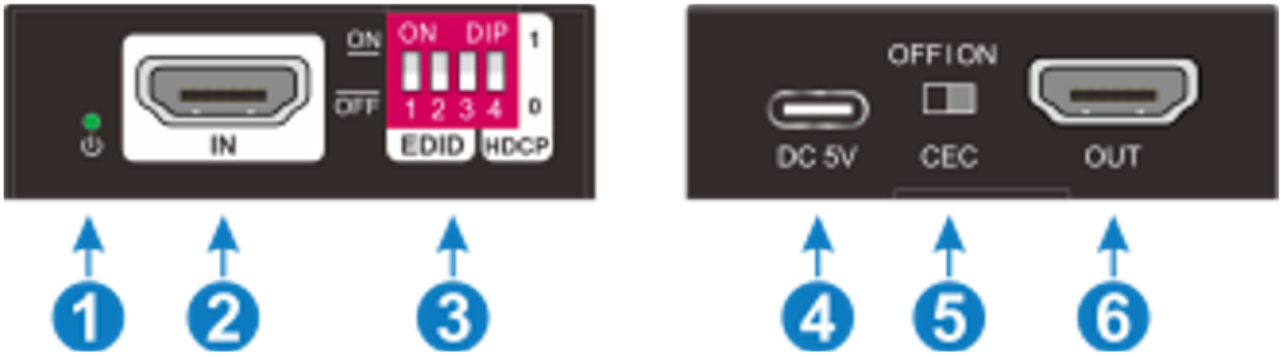
4. Specifications

Video Input	
Input	HDMI 2.0
Input Connector	Female Type-A HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4
Video Output	
Output	(1) HDMI 2.0
Output Connector	(1) Female Type-A HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4

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General	
Bandwidth	18Gpbs
Power Supply	5V 1A
Power Consumption	2.4W (Max)
Dimensions (W x H x D)	54 x 18 x 60 (mm)
Net Weight	85g

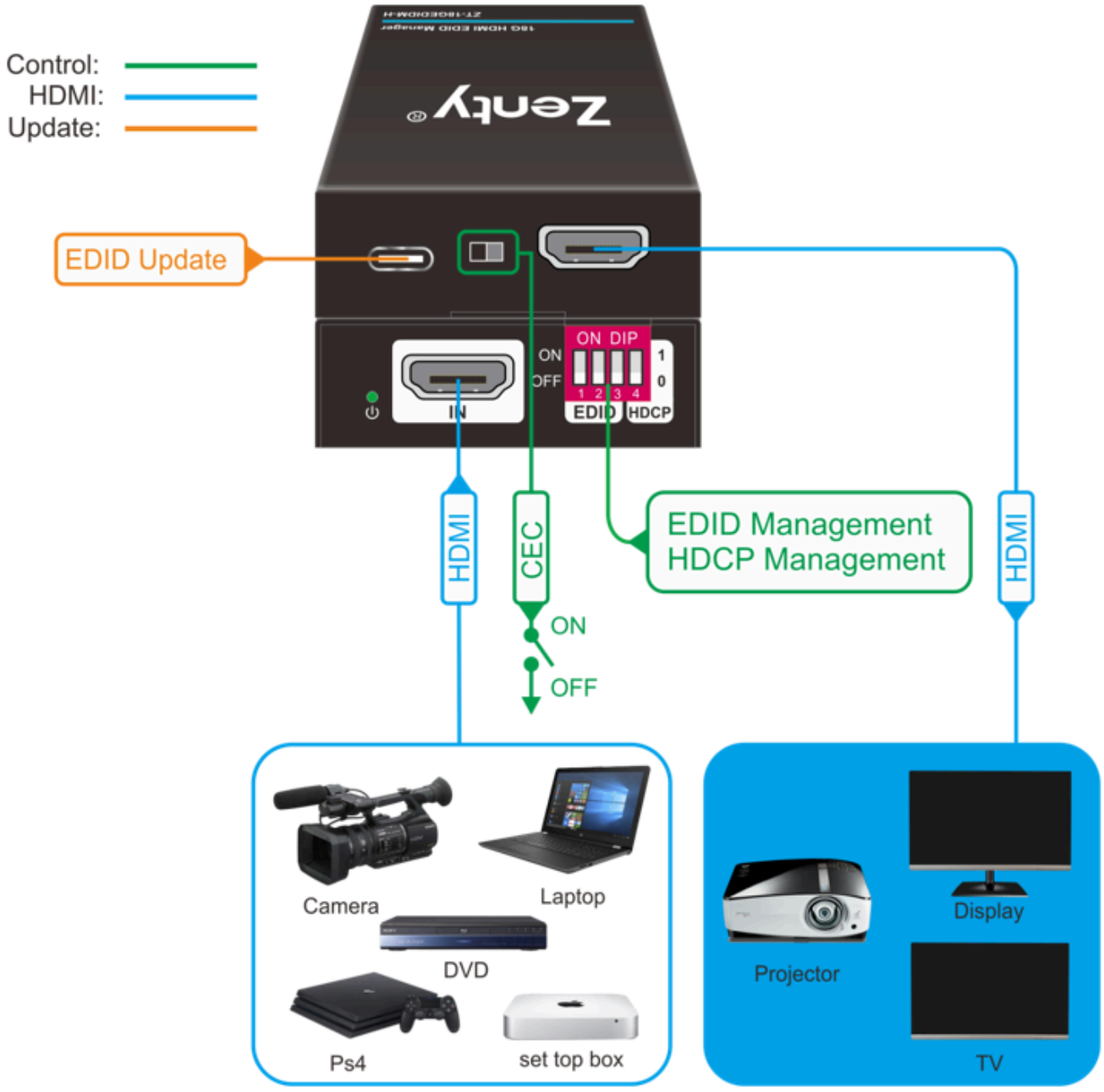
5. Panel Description



1. Power LED: The LED indicates green when power is on
2. HDMI IN: HDMI 2.0 input, connect to source
3. DIP Switch: 4-pin dip switch for EDID and HDCP management
4. USB-C: USB-C is used to power the machine, upload EDID and firmware upgrade
5. CEC Switch: Turn on/off the CEC
6. HDMI OUT: HDMI 2.0 output, connect to display

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6. System Diagram



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7. Management

Predefined EDID Settings

Switch Status	Video Resolution	Audio Format
000	Obtain the Display EDID	
001	1080P	LPCM
010	1080P	DTS / Dolby
011	3840x2160@30Hz HDR	LPCM
100	3840x2160@30Hz HDR	DTS / Dolby
101	3840x2160@60Hz HDR	LPCM
110	3840x2160@60Hz HDR	DTS / Dolby
111	User Defined EDID	

User Defined EDID Settings

1. Rename the user defined EDID as following:

0803C000.DAT

2. Connect the machine to the PC and the PC will detect a U-disk named “BOOTDISK”.

3. Copy the EDID file into the U-disk, and then open the U-disk. If there is a “SUCCESS.txt” file, it means that the EDID upload is successful.

4. Power on the machine.

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HDCP Management

Status	HDCP Function
1	The unit informs the source that it supports HDCP 2.2, and outputs HDCP 1.4 signal
0	Switch off HDCP management

8. Upgrade

1. Rename the upgrade file as following:

08009000.APP

2. Connect the ZT-18GEDIDM-H to the PC with USB cable, the PC will detect a U-disk named "Bootdisk".

3. Copy the file into the U-di, and then open the U-disk. If there is a "SUCCESS.TXT" file, then it means that the upgrade is successful. If there is an "UNKNOWN.txt" file, that means the upgrade failed.



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Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

Warranty

If your product does not work properly because of a defect in materials of workmanship, our company (referred to as "the warrantor") will, for the length of the period indicated as below, "Parts and Labor (5) Years", which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.
During the "Labor" limited warranty period, there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached phone and/or email address where you can be reached.

Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by
products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under "Limited Warranty Coverage". The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.

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