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J-TECH DIGITAL JTD-3074 18G HDMI Manager with EDID and HDCP Manage

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Specifications

- **Video Input:** HDMI 2.0 Female Type-A
- **Input Resolution:** Up to 4K@60 4:4:4
- **Video Output:** HDMI 2.0 Female Type-A
- **Output Resolution:** Up to 4K@60 4:4:4
- **Bandwidth:** 18Gbps
- **Power Supply:** 5V 1A
- **Power Consumption:** 2.4W (Max)
- **Dimension (W*H*D):** 54*18*60mm
- **Net Weight:** 85g

Product Usage Instructions

Powering On the Device

Connect the JTECH-EDIDM4K to a power source using either the HDMI or USB-C input. The Power LED will indicate green when the device is powered on.

Connecting to Source and Display

Connect the HDMI input to your video source (e.g., laptop, Blu-Ray player) and the HDMI output to your display (e.g., TV, monitor).

Managing EDID and HDCP

Utilize the DIP switch for EDID and HDCP management. The device supports predefined EDID settings and allows for user-defined EDID settings.

Upgrading Firmware

To upgrade the firmware, rename the upgrade file as instructed in the manual, connect the device to a PC using a USB cable, and follow the upgrade process detailed in the user manual.

Frequently Asked Questions (FAQ)

Q: How do I clean the device?

A: Clean the unit with a soft, dry cloth. Avoid using alcohol, paint thinner, or benzene for cleaning.

Q: How can I upload custom EDID settings?

A: Follow the steps outlined in the manual to rename and upload the user-defined EDID file to the device for custom settings.

Q: What is the purpose of the CEC switch?

A: The CEC switch controls the Consumer Electronics Control feature, allowing you to turn on or off CEC functionality as needed.

Safety Instructions

- Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:
- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

Introduction

- The JTECH-EDIDM4K is an 18G HDMI manager with EDID & HDCP management. It supports up to 4K@60 4:4:4 and HDCP2.2.
- The product is powered by HDMI or USB-C, and it contains a CEC block switch and supports auto-downscaling.

Features

- 18G HDMI 2.0 4K@60 444 HDCP2.2.
- Supports EDID & HDCP management.

- Power by HDMI or USB-C.
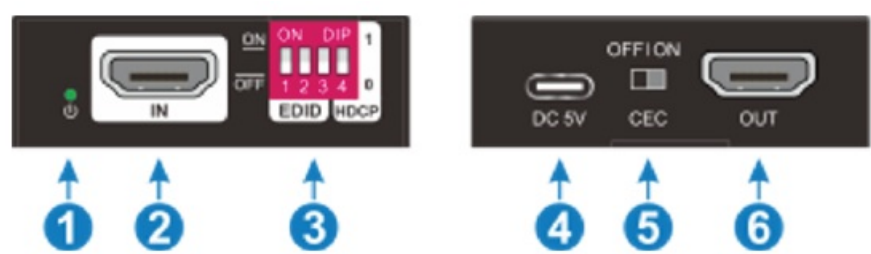- CEC block switch.

Package Contents

- (1) x JTECH-EDIDM4K
- (1) x User Manual

Specifications

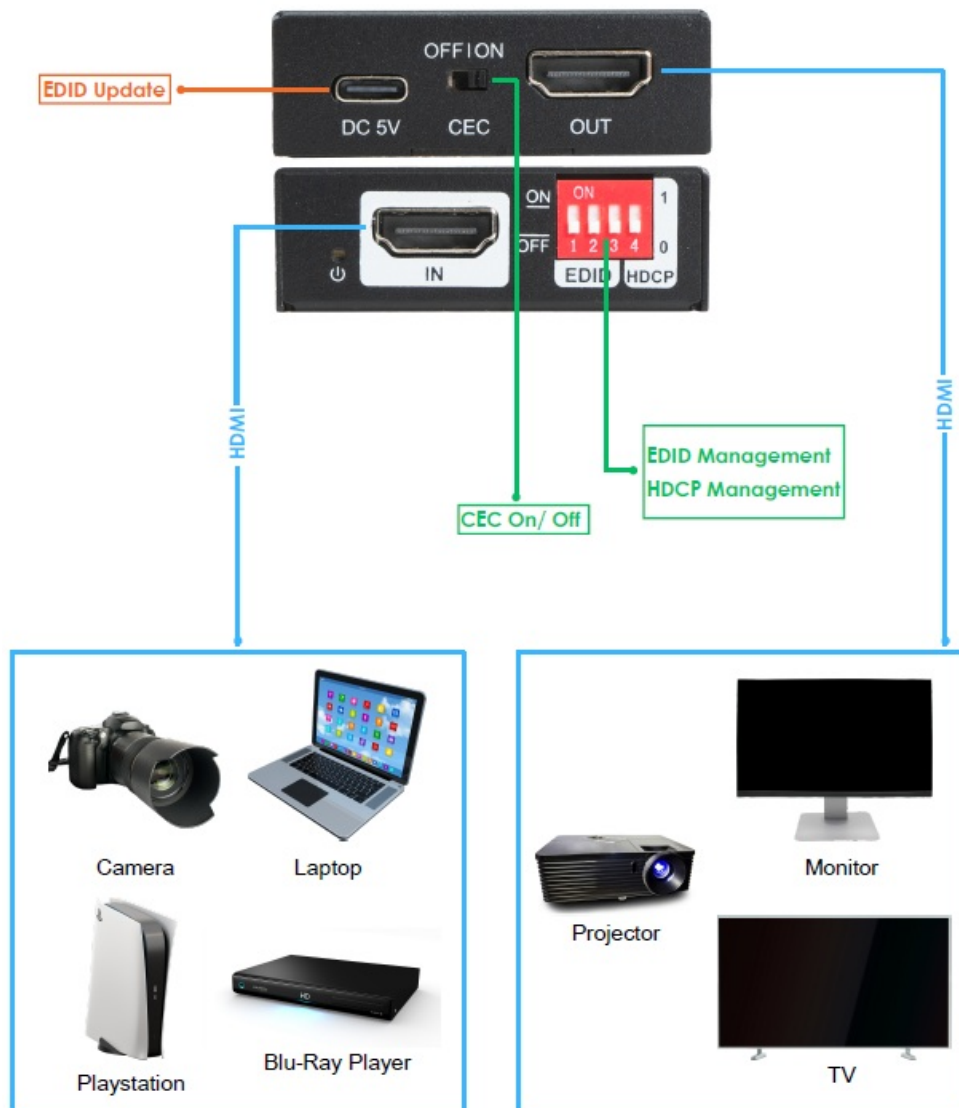| Video Input	
Input	HDMI 2.0
Input Connector	Female Type-A HDMI
HDMI Input Resolution	Up to 4K@60 4:4:4
Video Output	
Output	(1) HDMI 2.0
Output Connector	(1) Female Type-A HDMI
HDMI Output Resolution	Up to 4K@60 4:4:4
General	
Bandwidth	18Gbps
Power Supply	5V 1A

Power Consumption	2.4W (Max)
Dimension (W*H*D)	54*18*60mm
Net Weight	85g

Panel Description

1. **Power LED:** The LED indicates green 1. 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.
     - **USB-C:** USB-C is used to power the machine, upload EDID, and firmware upgrade.
4. **CEC Switch:** Turn on/off the CEC.
5. **HDMI OUT:** HDMI 2.0 output, connect to display.

System Diagram

Management

Predefined EDID Settings

Switch Status	Video Resolution	Audio Format
000	Obtain the Display EDID	
001	1080P	LPCM
010	1080P	DTS/Dolby
011	3840×2160@30Hz HDR	LPCM
100	3840×2160@30Hz HDR	DTS/Dolby
101	3840×2160@60Hz HDR	LPCM
110	3840×2160@60Hz HDR	DTS/Dolby
111	User-defined EDID	

User-Defined EDID Settings

1. Rename the user-defined EDID as follows: 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.

HDCP Management

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

Upgrade

1. Rename the upgrade file as follows: 08009000.APP
2. Connect the JTECH-EDIDM4K to the PC with a USB cable, the PC will detect a U-disk named "BOOTDISK".
3. Copy the file into the U-disk, and then open the U-disk. If there is a SUCCESS.TXT file, it means an upgrade is successful, and if there is a UNKNOW.TXT, it means that the upgrade failed.

Maintenance

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

Warranty

- If your product does not work properly because of a defect in materials or workmanship, our company (referred to as "the warrantor") will, for the length of the period indicated below, "Parts and Labor (1) Year", 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.

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 the 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, and 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 services, which are not covered by this limited warranty, are your responsibility.
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- Scan the QR code below or visit **https://resource.jtechdigital.com/products/3074** to view and access detailed digital resources regarding this unit.

Documents / Resources

J-TECH DIGITAL JTD-3074 18G HDMI Manager with EDID and HDCP Manage [pdf] User Manual
JTD-3074 18G HDMI Manager with EDID and HDCP Manage, JTD-3074, 18G HDMI Manager with EDID and HDCP Manage, HDMI Manager with EDID and HDCP Manage, Manager with EDID and HDCP Manage, EDID and HDCP Manage, HDCP Manage, Manage

References

- **B** **J-Tech Digital ® Official Site | Professional AV Solution Provider**
- **User Manual**