



# J-TECH DIGITAL®

V1.0

## USER MANUAL



### HDMI Audio Embedder 18G

JTD-3132 | JTECH-18GAEV2



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Scan the QR code below or visit  
<https://resource.jtechdigital.com/products/3132>  
to view and access detailed digital  
resources regarding this unit.



# 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, stove, 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.

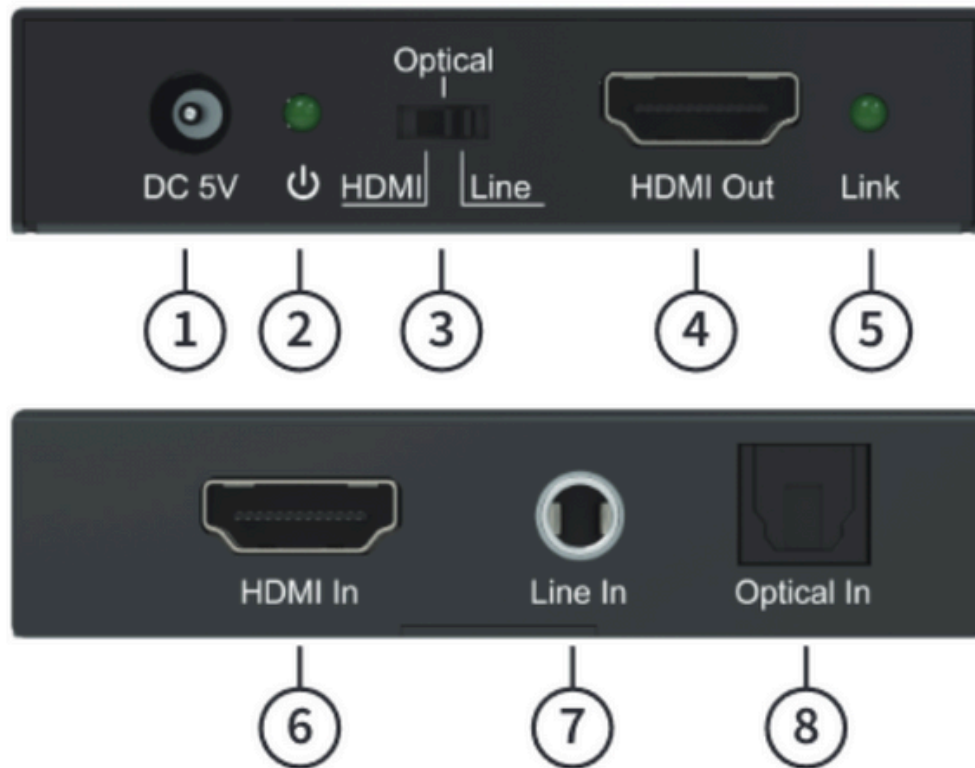
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## 1. What's Included



## 2. Ports and Interfaces



1. DC/5V: DC 5V IN port
2.  : Power LED Indicator
3. HDMI/Optical/Line: User can select input audio format according to HDMI, Optical, or Line  
HDMI: Select the HDMI audio to HDMI output  
Optical: Select the Optical audio to HDMI output  
Line: Select the line 3.5mm audio to HDMI output
4. HDMI Out: HDMI output port
5. Link: HDMI output LED indicator
6. HDMI IN: HDMI input port
7. Line IN: Line 3.5mm Analog audio input port
8. Optical IN: Digital Optical audio input port

### 3. Connection Diagram



## 4. Introduction

The HDMI™ Audio Embedded Converter Supports 4K@60Hz 4:4:4 could embed audio signals from digital optical or analog stereo Line audio to HDMI™ output. Further, both input and output HDMI™ support video resolution up to 4K@60Hz 4:4:4. It supports High Dynamic Range (HDR) signal pass through and HDMI™ high resolution digital audio formats bypass, LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192 kHz. HDCP 2.2 and CEC bypass are supported.

## 5. Features

- Embeds multi-channel optical (SPDIF) or Line analog audio to HDMI output
- Supports 12-bit deep full HD, full 3d, and 4K@60Hz YUV 4:4:4
- Supports Optical audio LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
- Supports Analog audio PCM 2.0
- Supports HDCP 2.2
- Supports High Dynamic Range (HDR) video
- Supports Consumer Electronics Control (CEC) function
- Supports HDMI output audio format: DTS-HD Master Audio / Dolby TrueHD
- Supports 600MHz/6Gbps per channel (18Gbps all channels) bandwidth
- Supports 12bit per channel (36bit all channels) deep color

## 6. Specifications

Input Ports	HDMI x 1, 3.5mm x 1, Optical x 1
Output Ports	HDMI x 1
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	6.0Gbps/600MHz per channel (18Gbps all channels)
Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p, 576p, 720p, 1080p, 4K@24/30Hz, 4K@50/60Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0°~70°C



Storage Humidity	5% to 90% RH non-condensing
Power Supply	DC 5V
Power Consumption (Max)	5W
Splitter Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Power Adapter Standard	US, EU, UK, AU Standard etc.
Dimension (LxWxH)	88 x 59.5 x 23mm
Net Weight	126g
User Manual	English version

Note: Specifications are subject to change without notice

## 7. Troubleshooting

Problems	Causes	Solutions
Power light is off and product is not working	Is the AC power adapter properly connected?	Please check if the power adapter is connected properly on both sides
Screen Splash	HDMI cable may not HDMI 2.0 specification or the cable is too long	Please use HDMI 2.0 standard cable, the input/output cable length can't exceed 5M for 4K/60Hz 4:4:4. 4K@30Hz/1080P, the cable can be 10M
No picture out, only sound out or output has pink screen	Maybe the displays can't support the resolution or HDCP compliance	Change to a lower resolution on the input HDMI signal to check whether this is the issue or not. If not, try changing to a non-HDCP input source, or HDCP compliant display or devices



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All other trademarks, registered trademarks, or service marks are the property of their respective owners.

## 9. Maintenance

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

## 10. 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 as 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.

## 11. 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 day time phone and/or email address where you can be reached.

## 12. 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.



[WWW.JTECHDIGITAL.COM](http://WWW.JTECHDIGITAL.COM)

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