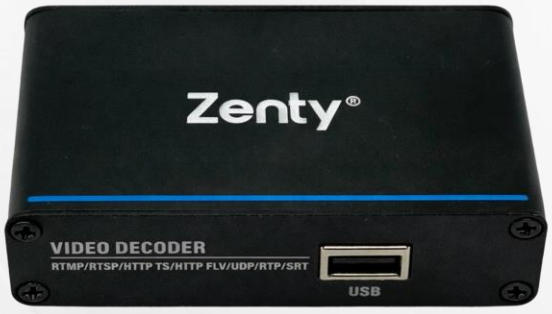
Professional Audio / Video Solutions Provider

User Manual



4K30 Network + USB Mini Decoder

ZT-529 | ZT-DECMINI-USB

Zenty ®
9807 Emily Lane
Stafford, TX 77477
(844) 200-1945
support@zenty.com

Scan the QR code below to or visit:

https://www.zenty.com/products/4k-30hz-h-264-h-265-network-decoder-with-usb

to view and access detailed digital resources regarding this unit

ZT-529 INFO

To explore similar products, view the link below:

https://www.zenty.com/collections

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 no 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.

Contents

1. **Product Introduction** 4
2. **Package Contents** 5
3. **Features** 5
4. **Specifications** 5
5. **Hardware Interface** 6
6. **Application Diagram** 7
7. **Accessing the Web Interface** 7
8. **Playing a Video** 8
9. **Audio Extraction** 10
10. **Channel Layout** 11
11. **OSD Settings** 12
12. **System Output** 15
13. **Reset and Reboot** 16
14. **Scheduled Restart** 17
15. **Troubleshooting** 17

1. Product Introduction

The ZT-DECMINI-USB is a compact video decoder that supports decoding of multiple streaming protocols including RTSP, RTMP, HTTP, HLS, UDP, RTP, and SRT. It outputs video signals via HDMI for reliable display in education, monitoring, conference, broadcasting, and

digital signage applications. With its web-based interface, users can easily configure stream addresses, adjust output settings, and manage system functions.

2. Package Contents

- 1x ZT-DECMINI-USB Decoder
- 1x Power Adapter
- 1x User Manual (this document)

3. Features

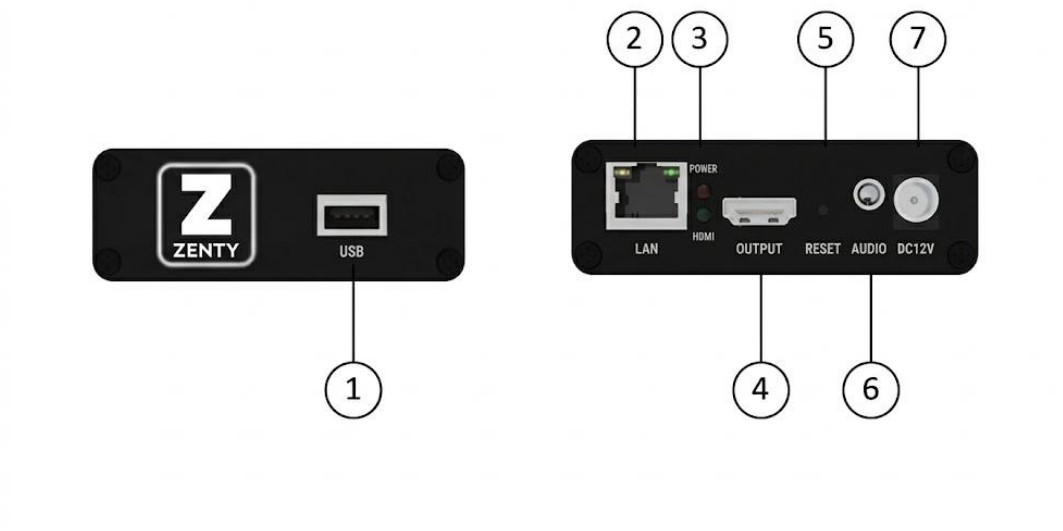
- Supports multiple decoding formats: RTSP, RTMP, HTTP, HLS, UDP, RTP, SRT
- HDMI output up to 1080P
- Input Resolution: 4k@30
- Web interface for configuration and monitoring
- 3.5mm audio output for external speakers or amplifiers.
- Adjustable video output settings: brightness, contrast, hue, saturation, volume
- Scheduled restart and remote reboot options
- Supports ONVIF device RTSP URL retrieval
- Compact design for easy installation in various environments

4. Specifications

Operating Temperature	-20℃+60℃
Operating Humidity	<90%, non-condensed
Max Output Resolution	1920x1080P60
HDCP Compliance	Yes

HDMI Standard	1.4b
Audio Format Supported	G711A/G711U/AAC+/AAC++/MP2/MP3
Max Input Resolution	3840x2160P30
Ethernet Port (IP Control)	RTMP/ RTSP /HTTP TS/HTTP FLV/HLS/SRT/UDP /RTP/HTTP PTE/PTL
USB Port	WMV/MPEG/MP4/MOV/FLV/F4V
Bandwidth	100Mbps
Default IP Address	192.168.1.169
Power Consumption	<1W
Dimensions (L x W x H)	8.4cmx5.3cmx2.8cm
Net Weight	118g

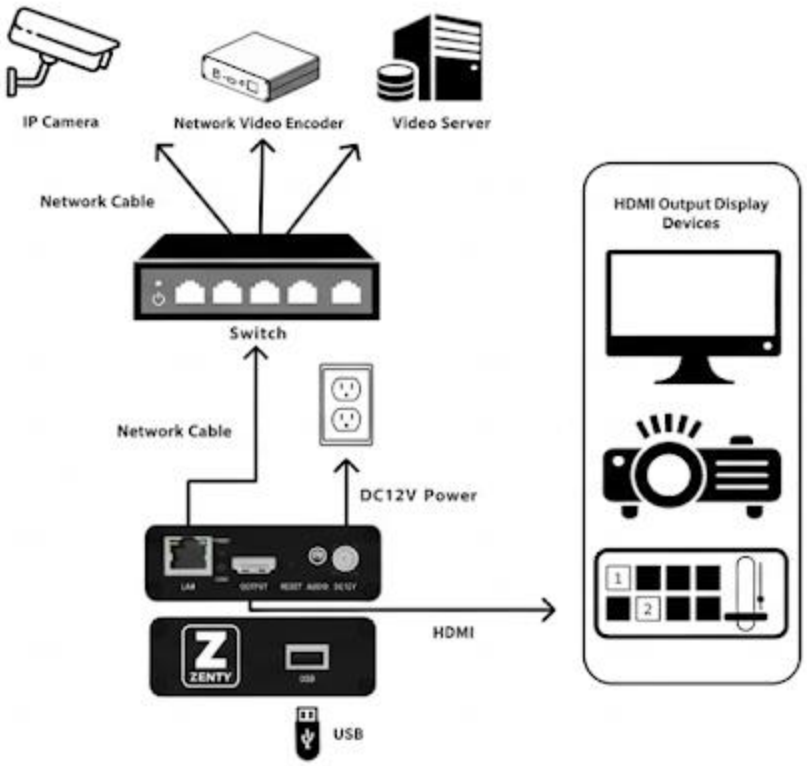
5. Hardware Interface



Refer to the quick start guide for a diagram of the ports and buttons. The device includes:

1. USB port
2. LAN port for network connection
3. Power and HDMI Indicator
4. HDMI Output
5. Reset button
6. 3.5 mm Audio output
7. Power Input

6. Application Diagram



7. Accessing the Web Interface

1. Connect the power supply to the decoder.

2. Connect an Ethernet cable from the decoder's LAN port to your network switch.

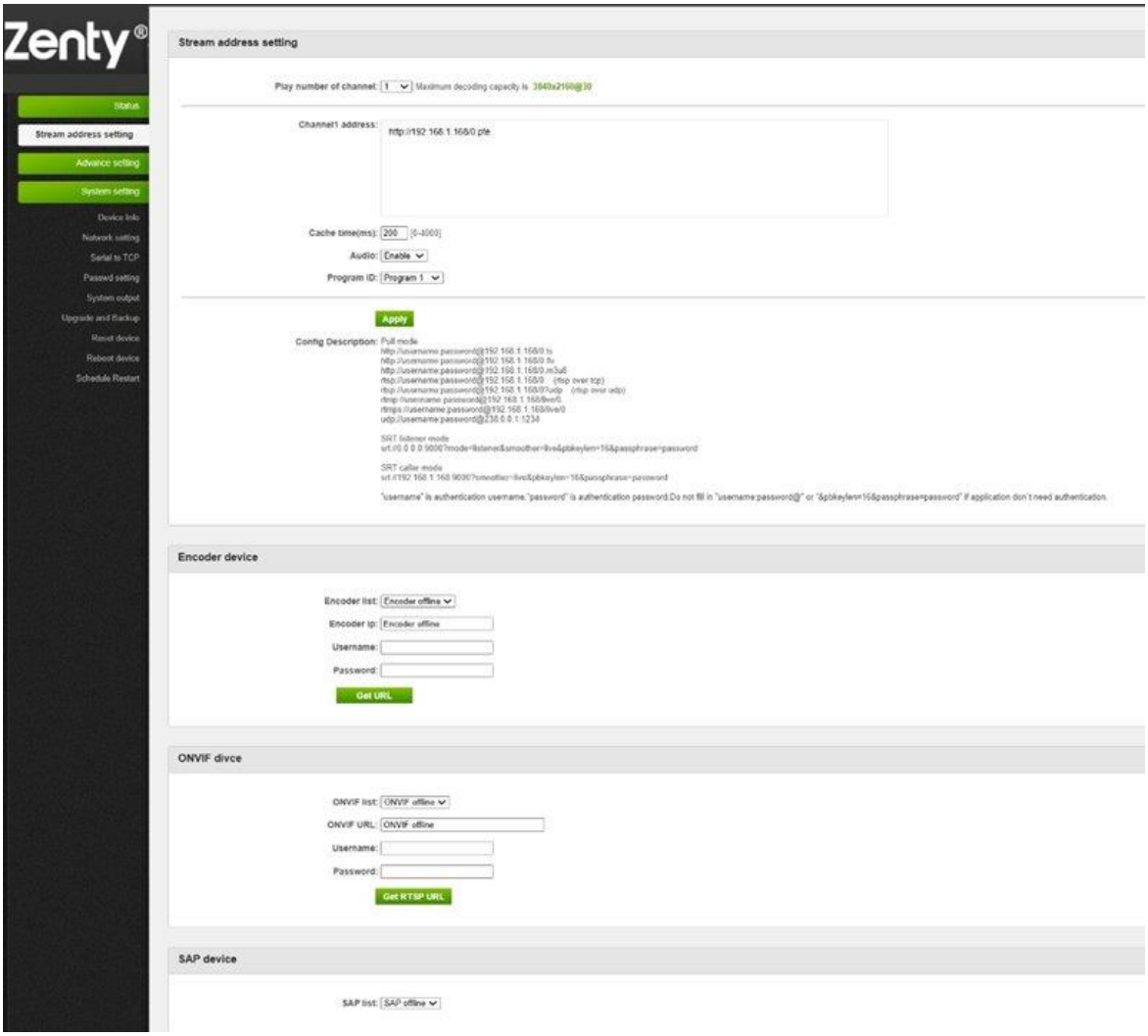
3. Connect an HDMI cable from the decoder to a display.

4. Open a web browser and enter http://192.168.1.169 in the address field.

5. Enter the username and password when prompted (Username: admin | Password: admin).

6. If you cannot log in, set your PC to a static IP (192.168.1.11, subnet mask 255.255.255.0) and try again

8. Playing a Video



Decoding Multiple Streams & USB Playback

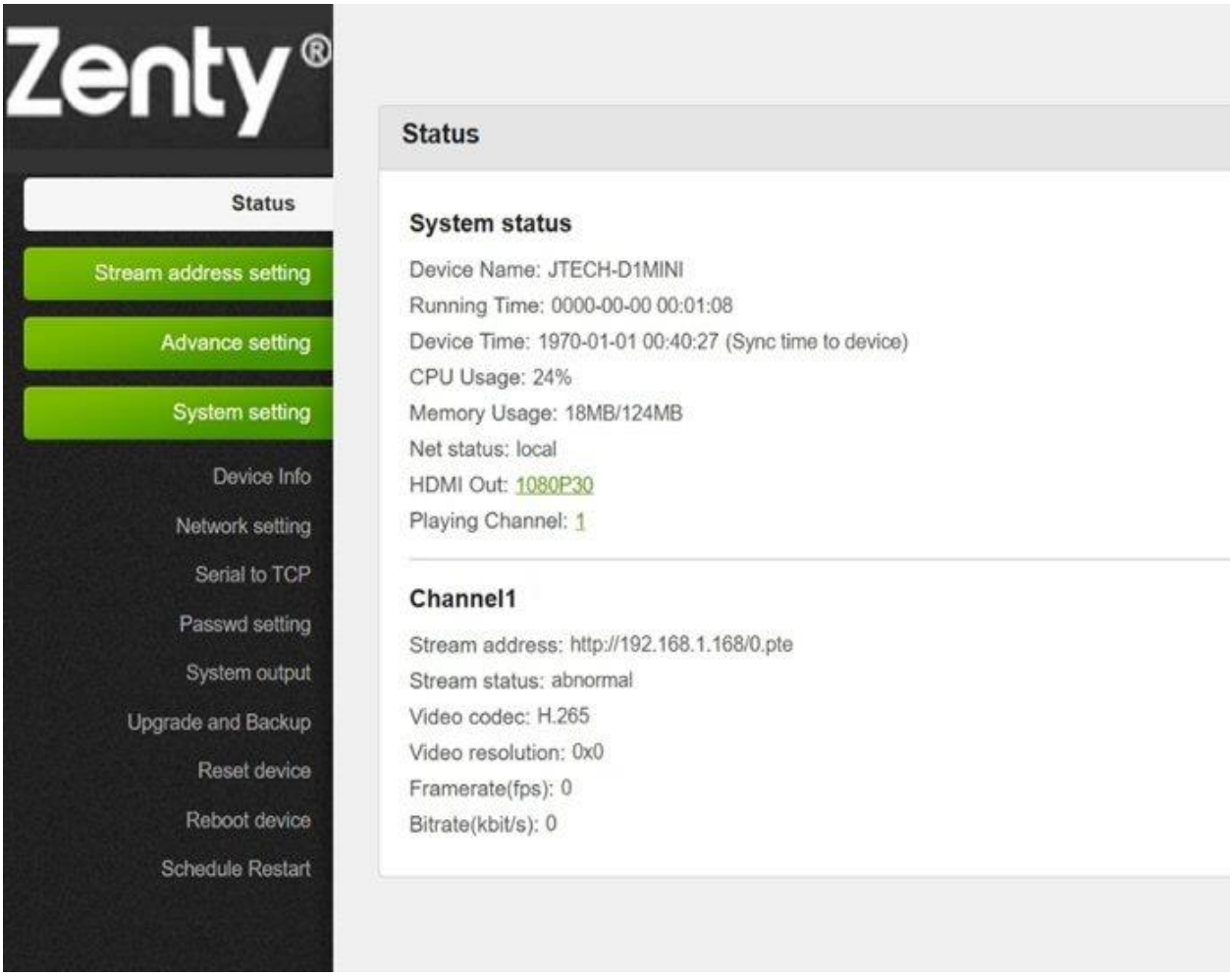
The ZT-DECMINI-USB supports decoding up to **4 independent channels**. Each channel can be configured with either a network stream (RTSP/RTMP/HTTP/HLS/UDP/RTP/SRT) or a local video file from a connected USB drive.

- To assign multiple channels, go to **Stream address setting** and configure Channel 1–4 individually.
- Example:
    - Channel 1: rtsp://192.168.1.100/live1

- Channel 2: rtmp://streamingserver/live/event
- Channel 3: USB file movie.mp4
- Channel 4: USB file training_video.mkv

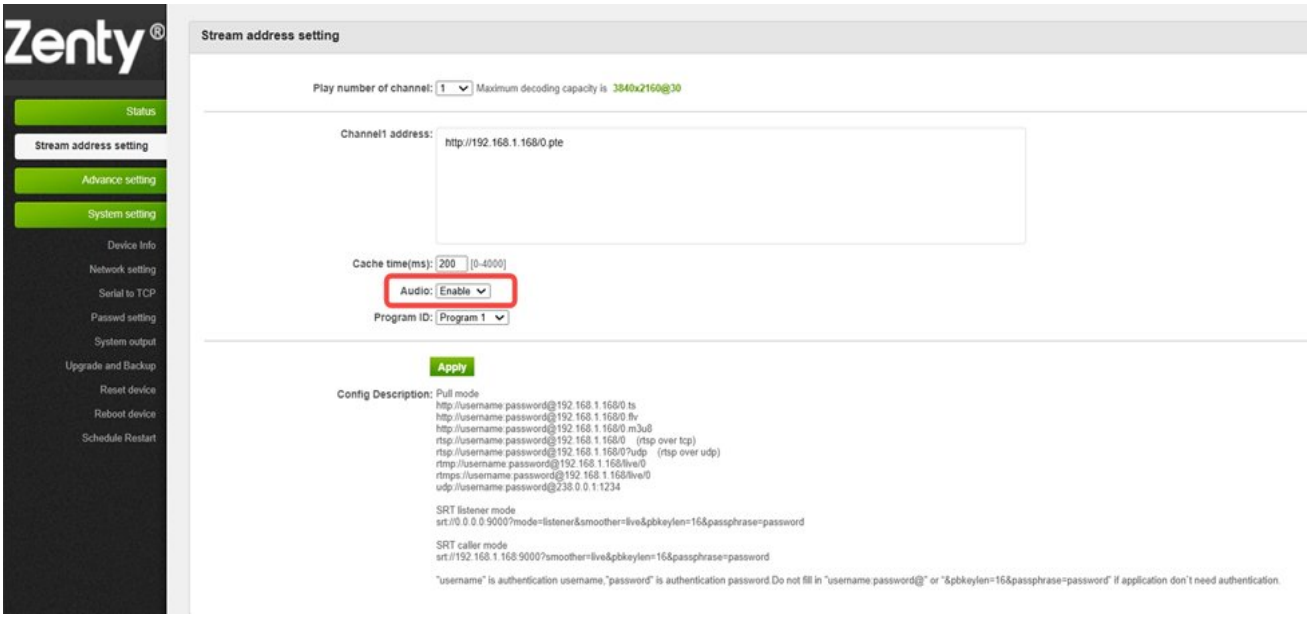
- The decoder automatically detects supported file types from USB. Simply select the file under the channel's source menu.
- Input streams and files up to **4K@30Hz** are supported, though the HDMI output is limited to 1080p.

3. Check the Status page to confirm the channel status shows 'normal.'



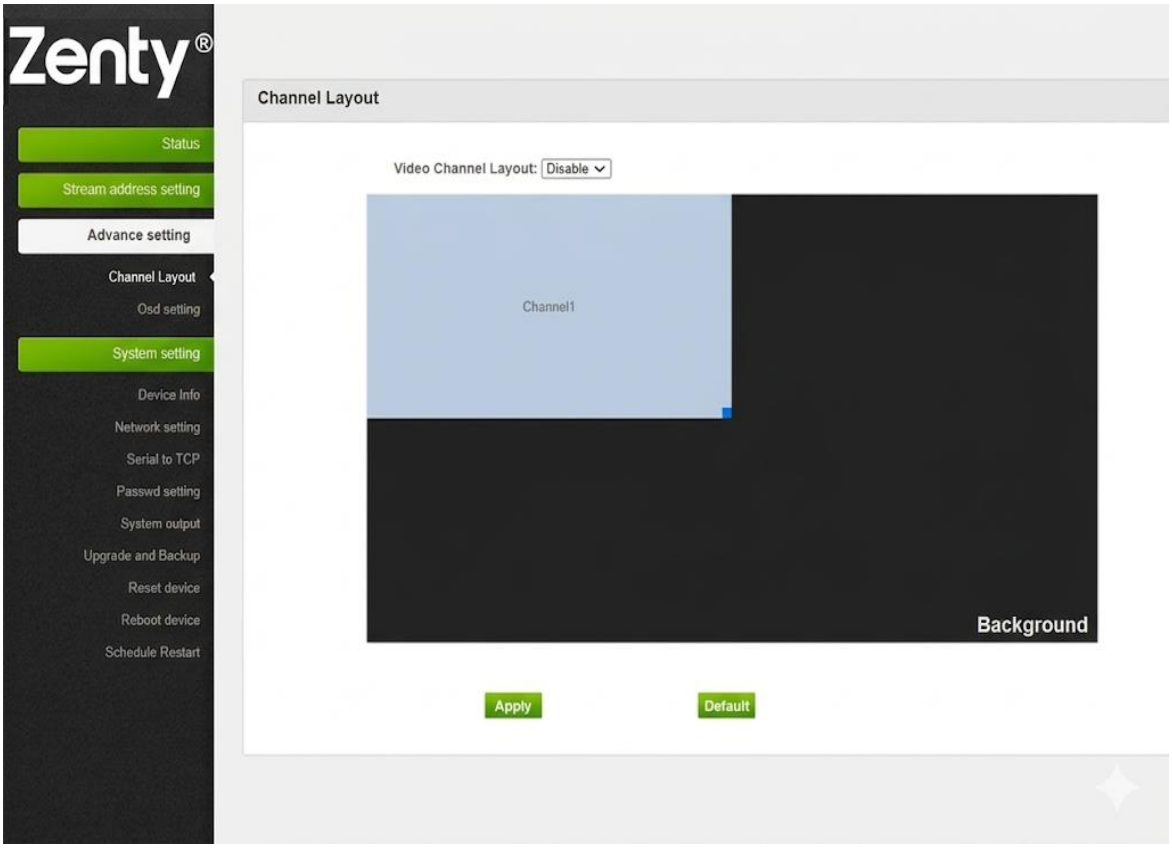
4. The video stream should now display on the connected HDMI output.

9. Audio Extraction



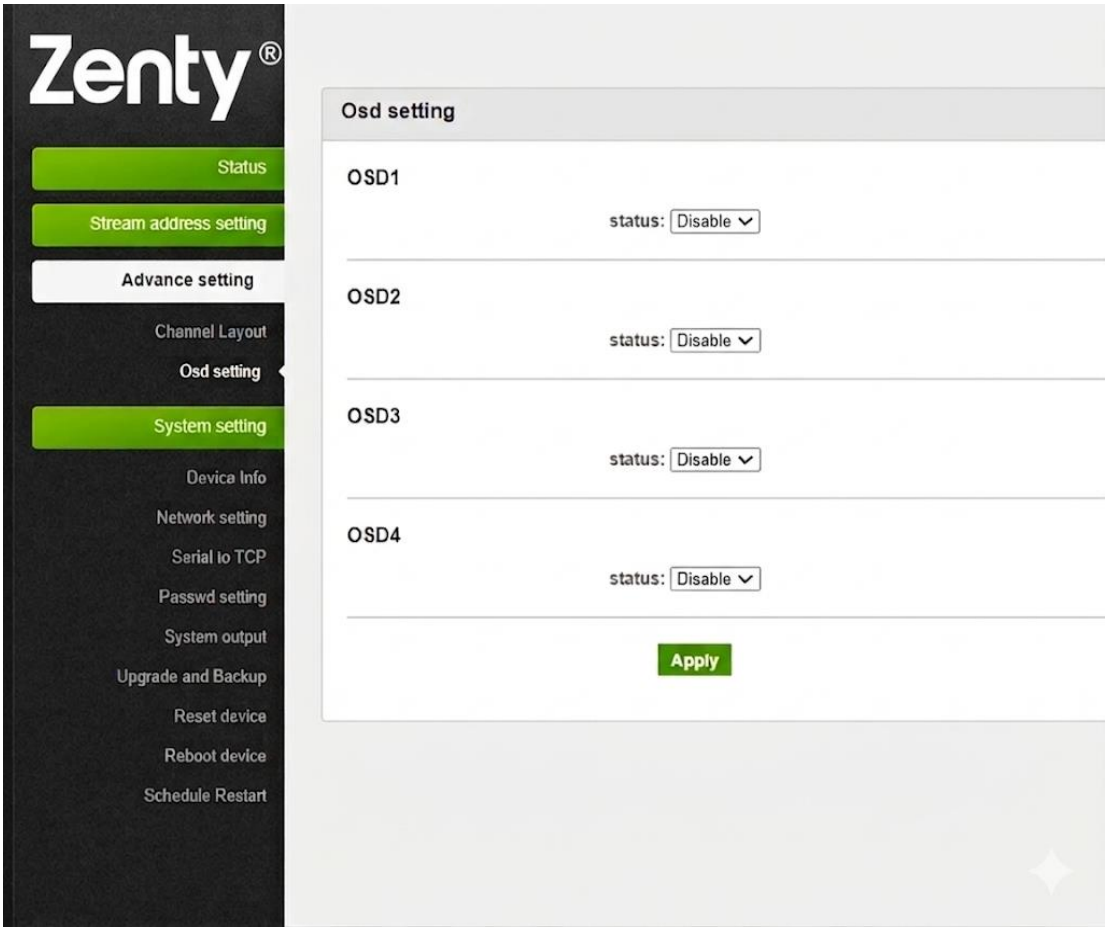
- The decoder allows you to **enable audio on one channel (stream or file) at a time** for analog output through the 3.5mm port (PCM audio only).
- When configuring multiple channels, you can select which channel's audio will be active.
- Example: If you are displaying 4 streams in a 2×2 layout, you can still choose **Channel 2** as the audio source, and the decoder will output its audio via the analog port.
- This ensures you always have synchronized audio playback with your selected video, without mixing multiple streams.

10. Channel Layout



The Channel Layout menu allows users to arrange multiple video channels on a single display. Navigate to 'Advance setting → Channel Layout' to configure the number of screens and layout style.

11. OSD Settings



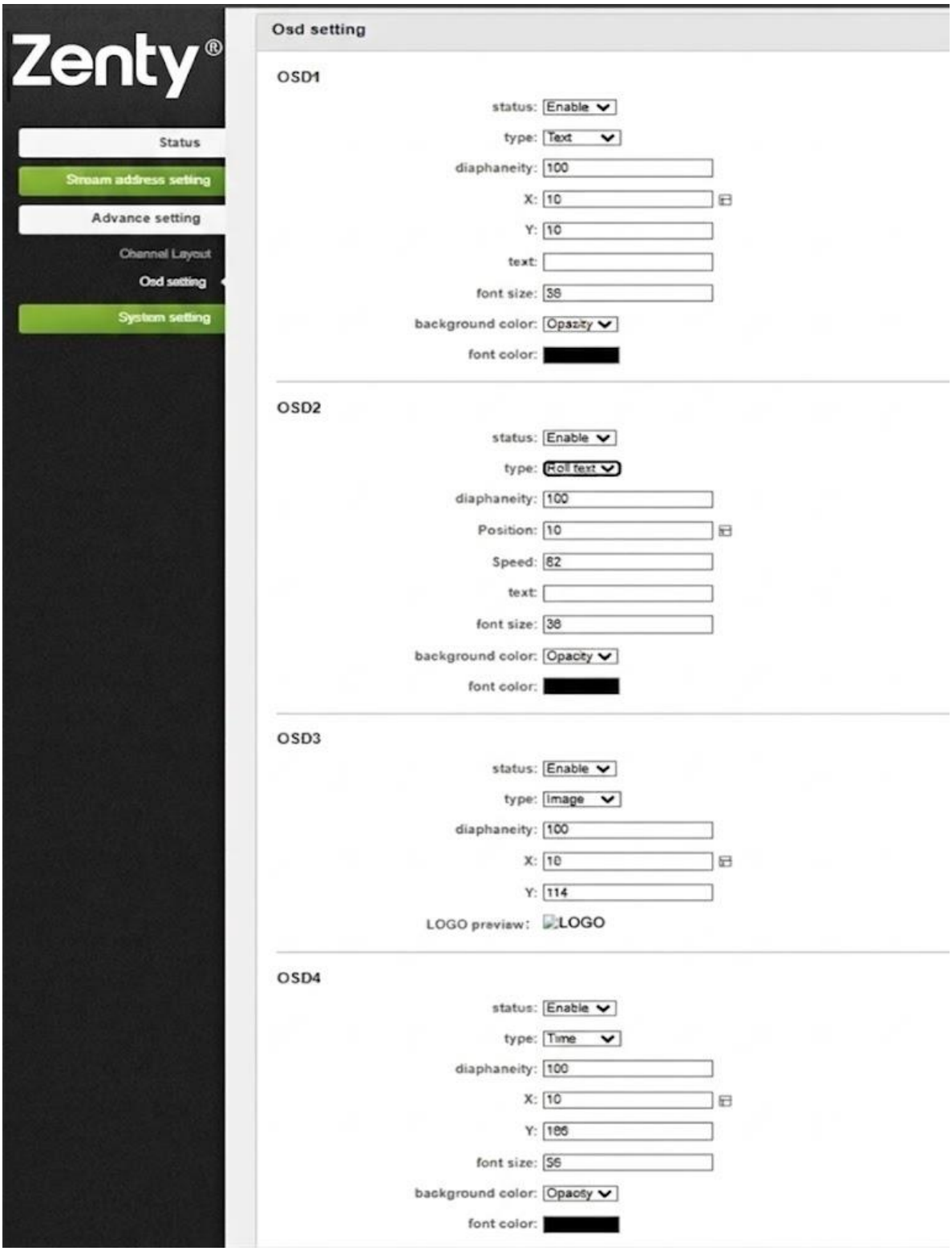
The ZT-DECMINI-USB allows you to overlay **text, images, or scrolling information** directly onto the video output. This can be used for branding, watermarks, time/date display, or custom messages.

Configuration Options:

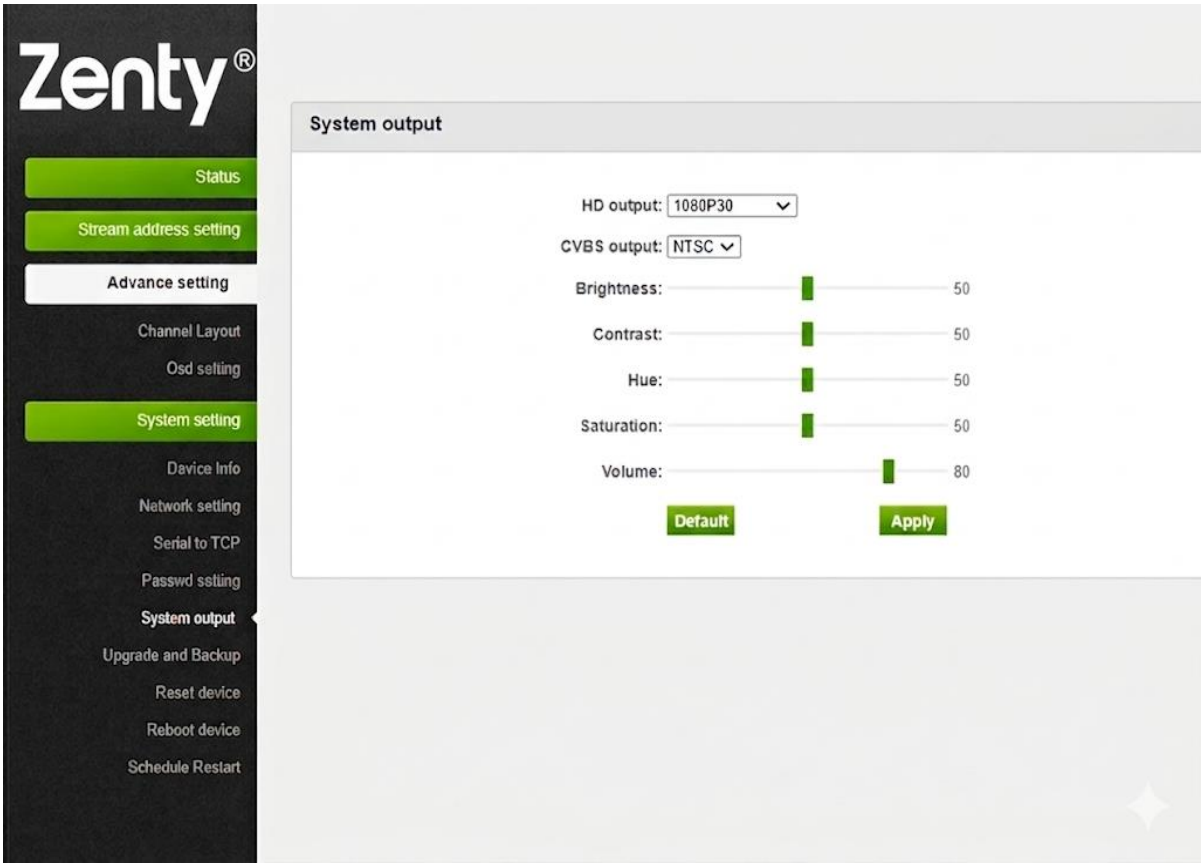
- **State:** Enable or disable the OSD area.
- **Type:** Choose between *Text*, *Picture*, *Scrolling Text*, or *Time*.
- **Transparency:** Adjust visibility from fully opaque (0) to transparent (100).
- **Position (X/Y):** Set the pixel coordinates where the OSD element will appear.
- **Text Mode Options:**
    - Enter custom text (e.g., “Jtech”).
    - Adjust **Font Size** (e.g., 36).
    - Select **Background Color** (e.g., Transparent).

    - Select **Font Color** (e.g., Purple).

- **Picture Mode Options:**
    - Upload a logo or image file.
    - Preview will show under **LOGO preview**.
- **Examples:**
- Add your company logo in the top-right corner with transparency for watermarking.
- Display scrolling text for event information across the bottom of the screen.
- Insert the current time in the corner for monitoring setups.

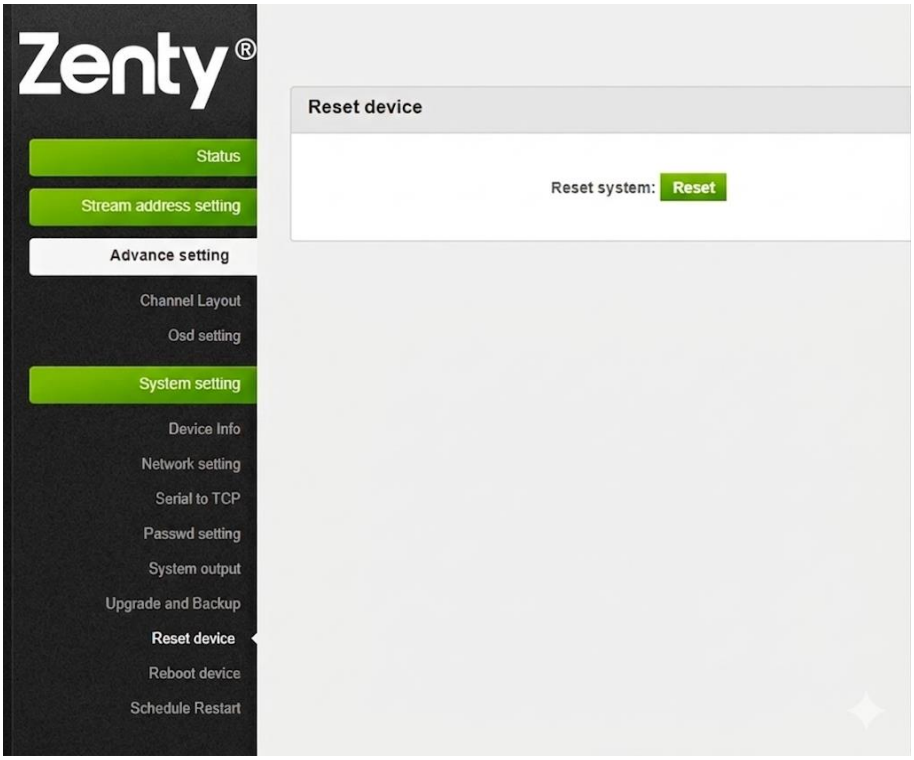

Zenty®
Status
Stream address setting
Advance setting
Channel Layout
Osd setting
System setting
Osd setting
OSD1
status: Enable
type: Text
diaphaneity: 100
X: 10
Y: 10
text:
font size: 36
background color: Opacity
font color:
OSD2
status: Enable
type: Roll text
diaphaneity: 100
Position: 10
Speed: 82
text:
font size: 36
background color: Opacity
font color:
OSD3
status: Enable
type: Image
diaphaneity: 100
X: 10
Y: 114
LOGO preview: LOGO
OSD4
status: Enable
type: Time
diaphaneity: 100
X: 10
Y: 186
font size: 36
background color: Opacity
font color:

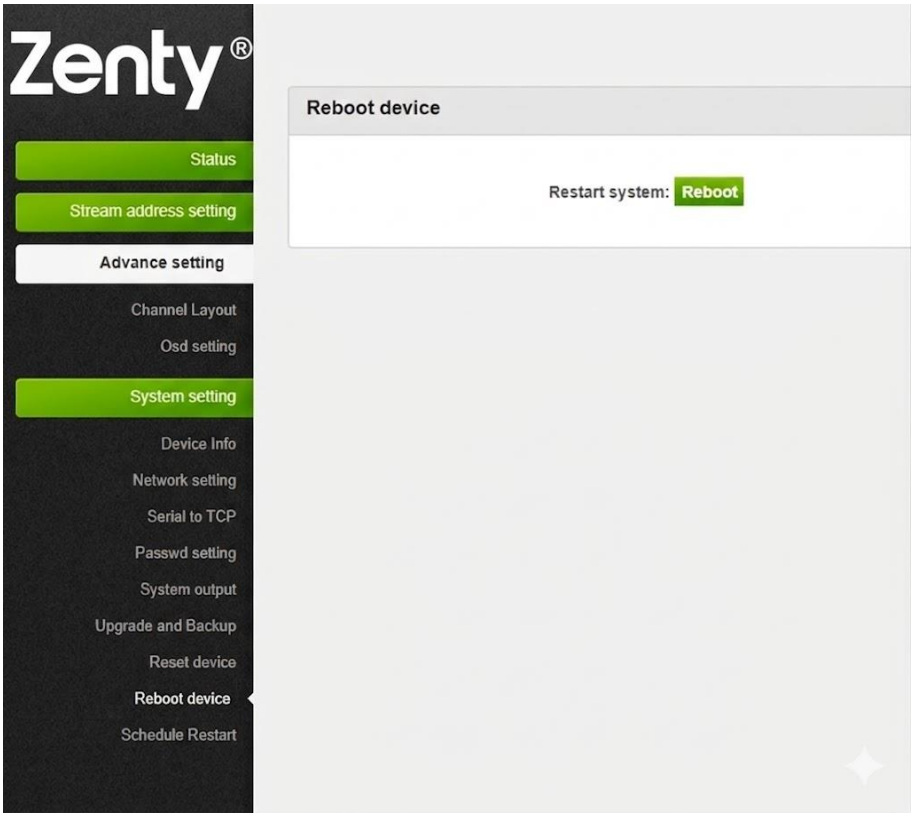
12. System Output



Adjust video output resolution and parameters from 'System setting → System output'. Options include HD output, CVBS output format, and image parameters (brightness, contrast, hue, saturation, volume).

13. Reset and Reboot

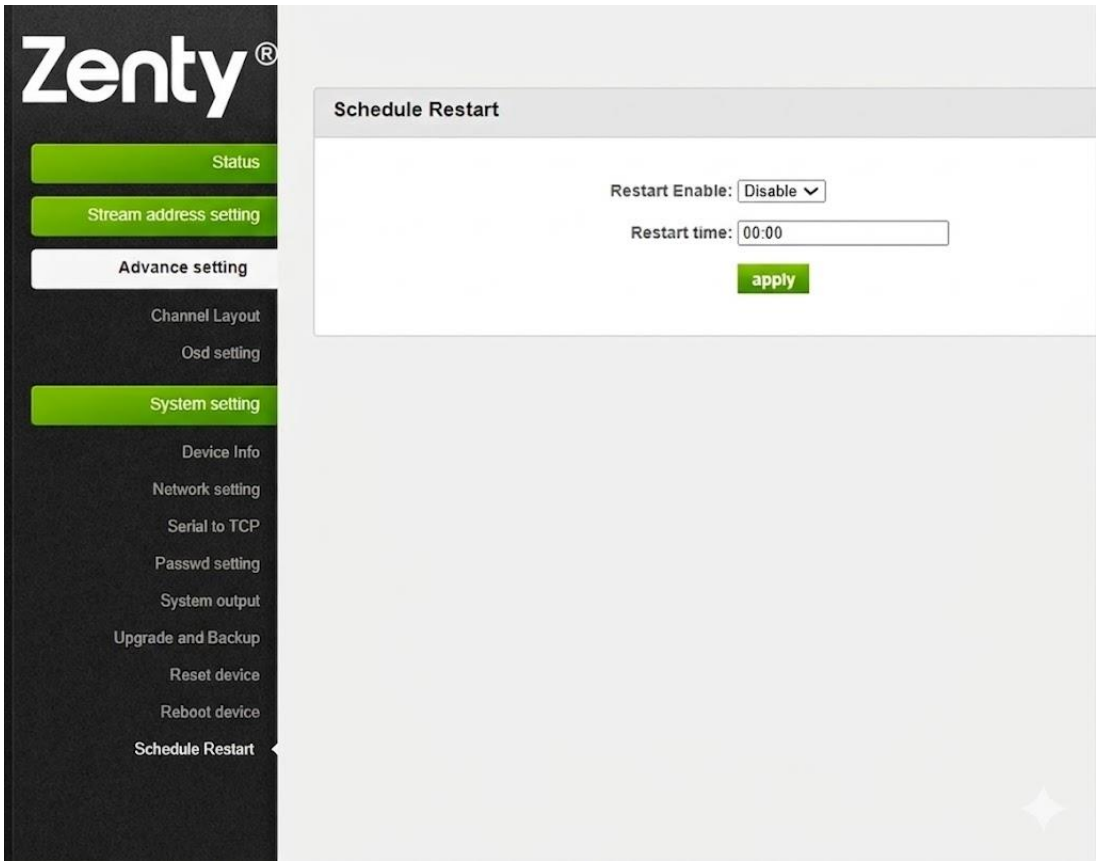




To reset the device to factory settings, go to 'System setting → Reset device' and click Reset. Alternatively, press and hold the reset button on the decoder for more than 8 seconds.

To reboot the device, go to 'System setting → Reboot device' and click Reboot.

14. Scheduled Restart



The Schedule Restart option allows setting an automatic reboot at a specified time. Navigate to 'System setting → Schedule Restart' and configure the restart enable option and time.

15. Troubleshooting

- If no signal output, confirm the channel status is 'normal' on the Status page.
- Verify the stream address is correct and accessible on the network.
- Ensure the decoder and computer are on the same IP subnet.
- If unable to access the web interface, assign your PC a static IP and retry.

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 (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 day time 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.



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



WWW.ZENTY.COM

9807 Emily Lane

Stafford, TX 77477

(888) 610 - 2818

SUPPORT@ZENTY.COM

SALES@ZENTY.COM