4K60 HDMI over IP Streaming Encoder

User Manual ***English***

No. 38519

lindy.com

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Introduction

Thank you for purchasing the 4K60 HDMI® over IP Streaming Encoder. This product has been designed to provide trouble free, reliable operation. It benefits from both a LINDY 2 year warranty and free lifetime technical support. To ensure correct use, please read this manual carefully and retain it for future reference.

This Encoder is designed to stream AV content over IP networks using the H.265 or H.264 video compression standard to popular services including YouTube, Facebook Live, Twitch or custom-specified servers, stream standards supported are RTSP/UDP, RTSP/TCP, RTP/UDP, TS/UDP, RTMP/RTMPS and SRT.
It supports compressed video resolutions up to 3840x2160@60Hz 4:4:4, one HDMI loop out port, analogue embedded and de-embedded audio ports.

Information and features can be easily managed over the OLED screen on the front panel, via web GUI or through the APIs from a 3rd party control system, ideal for using in professional AV, broadcasting, digital signage, video conferencing, and live streaming applications.

Safety Instructions

! WARNING !



Please read the following safety information carefully and always keep this document with the product.
Failure to follow these precautions can result in serious injuries or death from electric shock, fire or damage to the product.

Touching the internal components or a damaged cable may cause electric shock, which may result in death.
This device is a switching type power supply and can work with supply voltages in the range 100 - 240 VAC For worldwide usability four different AC adapters are enclosed: Euro type, UK type, US/Japan type and Australia/New Zealand type. Use the appropriate AC adapter as shown in the picture and ensure it is firmly secured in place and does not detach by pulling before installing into a power socket.
To reduce risk of fire, electric shocks or damage:

- Do not open the product nor its power supply. There are no user serviceable parts inside.
- Only qualified servicing personnel may carry out any repairs or maintenance.
- Never use damaged cables.
- Do not expose the product to water or places of moisture.
- Do not use this product outdoors it is intended for indoor use only.
- Do not place the product near direct heat sources. Always place it in a well-ventilated place.
- Do not place heavy items on the product or the cables.
- Please ensure any adapters are firmly secured and locked in place before inserting into a wall socket

Safety and Health Information: LINDY products are designed for safe, effective use. Please review this guide for essential safety, health information, and details on the Limited Warranty for your product. Following these setup, usage, and care instructions enhances comfort, productivity, and safety. Failure to adhere to these guidelines may result in electric shock, fire, serious injury, or damage to the product or property. Additional support is available at lindy.com.
Warning: Keep out of reach of children. LINDY products and accessories are not toys and should not be handled by young children, as they may cause injury or damage
Suffocation Hazard: For products containing or supplied in plastic bags, keep bags away from babies and children to prevent suffocation.

Power Supply Safety: Applies to products using an AC power supply. Use only the original or compatible AC power supply specified for your product. Failure to follow this guidance may result in electric shock, fire, serious injury, or product damage.

Proper Usage: Keep the device away from moisture, including rain, snow, or water, and avoid placing it near heat sources, food, excessive dirt, dust, oil, chemicals, or direct sunlight. For devices with ports, avoid inserting objects, allowing dust to accumulate, or using heat sources like hair dryers or microwaves to dry it. If the device becomes wet, gently wipe the exterior with a dry cloth.

High-Risk Use: This product is not intended for applications where failure could lead to death, serious injury, or significant environmental harm ("high-risk use"). Use in such applications is solely at your own risk.

Explosive Atmospheres: Do not store or transport flammable or explosive materials alongside this product or its accessories. Always unplug and power off the product and avoid charging in areas with potentially explosive atmospheres.

Cable Connectors and Ports: To prevent shock or fire when using connectors with a power supply, avoid contact during use. Keep connectors free from moisture, dirt, and contaminants. Discontinue use and contact support if any connector appears damaged.

Cleaning: To minimize risks of fire, electric shock, or product damage, unplug all cables and power off the device and accessories before cleaning. Use a dry cloth to clean the exterior only. Avoid inserting objects into ports, and do not immerse connectors in liquids; instead, wipe and dry them thoroughly.

Risk in Repairs: Attempting to open or repair this product may expose you to risks of electric shock, fire, or injury. LINDY strongly recommends using professional repair services, as unauthorized repairs may void your warranty.

CAUTION

Skin Irritation: This product contains materials commonly used in electronics that may cause skin irritation for some users. To reduce this risk, clean your device regularly, avoid applying lotions near contact areas, and discontinue use if irritation occurs. Consult your health care provider if symptoms persist.

Cable Safety: Exposed cables can pose a tripping hazard. Arrange cables to prevent tripping or pulling risks and protect them from crushing, sharp bends, and heat exposure. Regularly inspect cables and discontinue use if damaged. Unplug cables during lightning storms or for long-term storage.

NOTICE

Heat-Related Concerns: The product may become warm during regular use. Avoid prolonged skin contact, ensure adequate ventilation, and use in well-circulated areas to prevent overheating and discomfort.

Personal Medical Devices: Electronic emissions and magnetic fields from LINDY products may unintentionally interfere with medical devices, despite regulatory compliance. If you suspect interference, turn off the product immediately. For guidance on using electronic devices nearby, consult the manufacturer of your medical device or your healthcare provider.

Handling: Handle your LINDY product with care. The product may be damaged if dropped, punctured, or exposed to liquid. If damage is suspected, stop using the product to prevent potential hazards.

Instructions for Use of Power Supply



To connect the adapter
Slide the desired plug adapter into the power supply until it locks into place.

To remove the adapter
Press the push button latch.
While pressed, remove the adapter.

Package Contents

- HDMI® over IP Streaming Encoder
- 2 x Mounting Ears & 4 x Screws
- 12VDC 1A Multi-country Power Supply (UK, EU, US & AUS), Screw Type DC Jack: 5.5/2.1mm
- Lindy Manual

Features

- Support resolutions up to 3840x2160@60Hz 4:4:4 8bit
- 3 streams supported: H264/H265 4K60, H264 1080p 30Hz and JPEG 1280x720 5Hz
- Support RTSP/UDP, RTSP/TCP, RTP/UDP, TS/UDP, RTMP/RTMPS, SRT stream standards
- Stream control (play/pause/stop)
- Video bitrate, resolution, frame rate and EDID configurations
- Audio formats LPCM 2CH (48KHz), with only stream and delay settings
- 100/1000 Ethernet port with PoE (Power over Ethernet 802.3af standard)
- Analog Audio In & Out for embedding and extractor
- Flexible control through OLED screen display, Web GUI, TCP, TELNET/SSH and 3rd-party API control
- Support unicast and multicast
- Screw Type DC Jack for a secure power connection

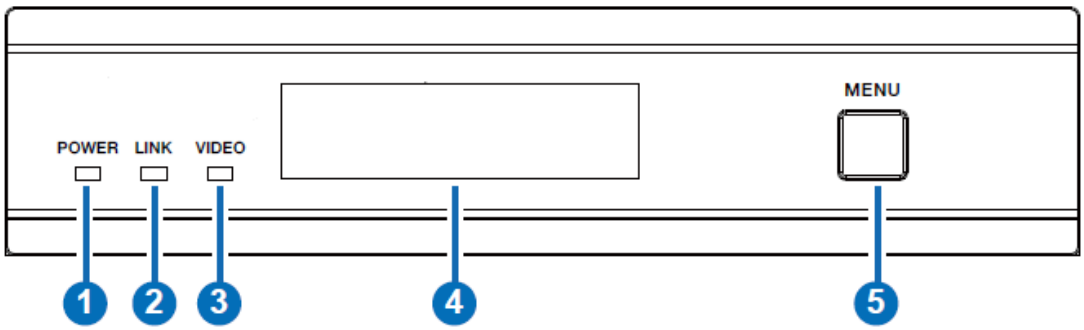
Specification

- 2.0b, 18Gbps Compliant
- HDCP 2.2/1.4
- Transmission distance: 100m (Cat.6/6A/7)
- Video compression standard: H264/H265
- Network Video Bandwidth: 1G
- Analogue Audio parameters:
  Output impedance: 330Ohms
  Line Input / Output Level (Maximum): 2Vrms
  Frequency Response: (+0.5dB, -1dB) 20Hz to 20KHz
  Audio S/N Ratio: >90dB@2Vrms, 1KHzA-weighted
  Audio THD+N: <0.05%@2Vrms, 1KHz

- PoE Standard: 802.3af
- ESD Protection: ± 15kV (air-gap discharge)
- Human Body Model: ± 8kV (contact discharge)
- 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)
- Metal Housing
- Colour: Black
- Power Requirements: AC100-240V 50/60Hz
- Power Consumption: 7.2W

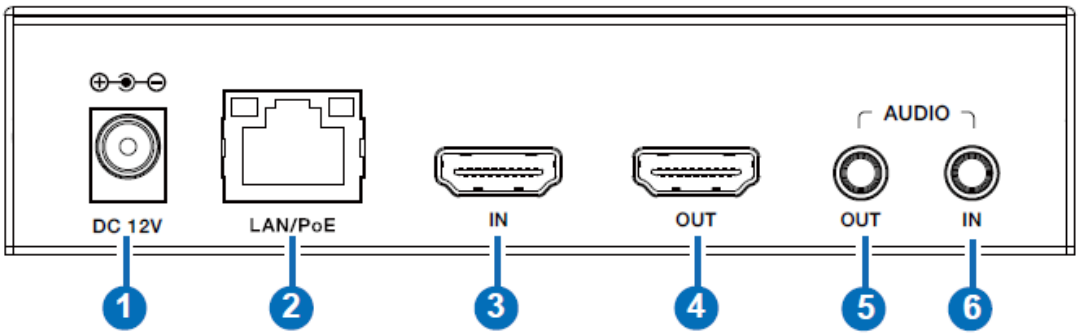
Installation

Front Panel



1. POWER LED: Indicates power.
2. LINK LED: This will illuminate when there is network connection, will flash when the stream is in progress.
3. VIDEO LED: This will illuminate when the signal is active, will flash when the signal transmission is not supported.
4. OLED display: Menu features, device name and IP address are shown in this screen, after 60 seconds the display goes in sleep mode; to turn it on again and browse, press MENU button.
5. MENU button: short press to turn on the OLED display and browse the menu, keep it pressed for 10 seconds to restore the unit to factory default settings.

Rear Panel

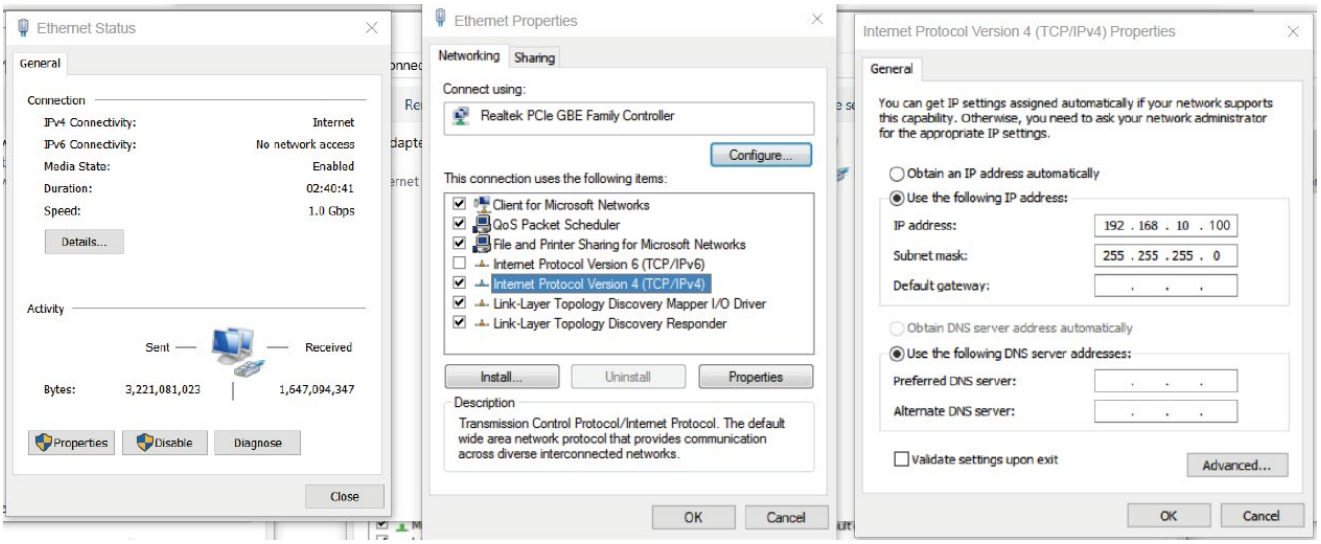


1. DC 12V: Connect the 12V DC 1A PSU to an AC wall outlet and securely connector to the unit.
2. LAN/PoE: 1G network port supporting PoE 802.3af standard.
3. IN: Connect to an HDMI® source device.
4. OUT: Connect to a HDMI® local display (if required).
5. AUDIO OUT: Output the audio signal extracted from the HDMI® IN port.
6. AUDIO IN: Audio embedding port used for audio streaming, the HDMI® OUT port maintains the audio from the HDMI® IN port.

Operation

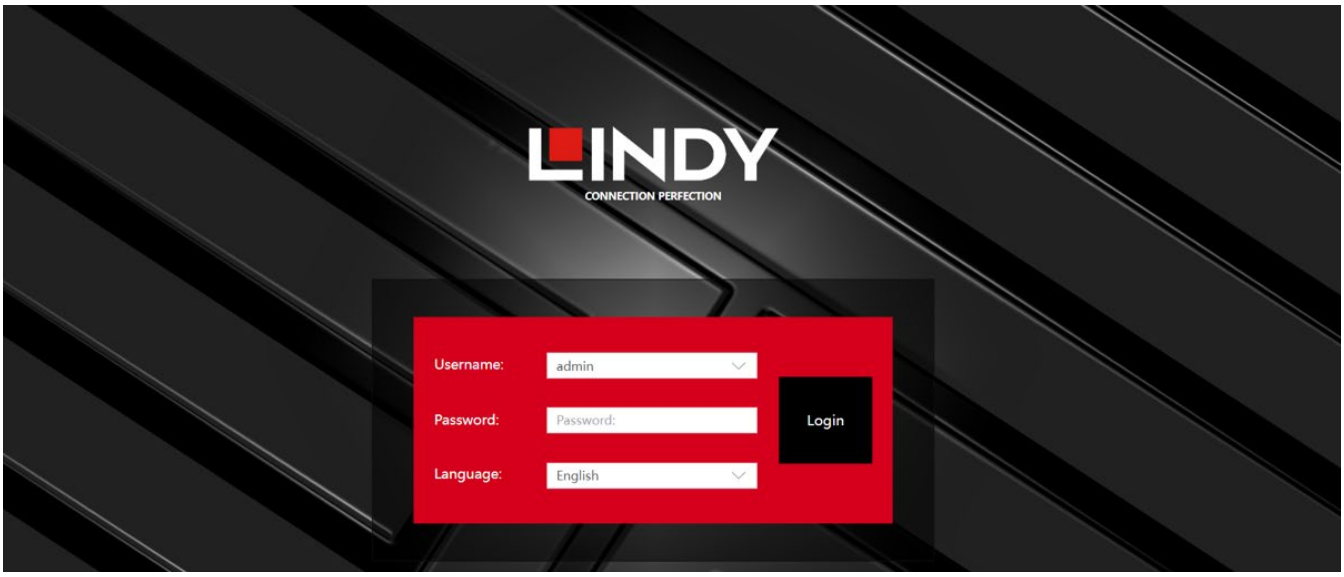
This AV Encoder can provide RTSP/RTMP/RTMPS stream service through the network, please follow the steps below to build the platform.

1. Connect the AV Streamer to an HDMI® source, display, audio input and output devices, then connect it to a 1G network switch with internet connection.
2. Power on the AV streamer, the OLED display will show the default IP address **169.254.1.11**.
3. Set the PC's IP address in the same network segment of the AV Streamer.



Web GUI

Open a web browser and enter the current IP address of the unit to access the web GUI.



Default Username can be admin or user:
Username: admin
Password: admin

Username: user
Password: 123456

Click **Login** to access the GUI.

⚠ Important: Change the Default Password Immediately

To protect your product and personal data, **you must change the default password as soon as possible** after setup.

This product complies with the **UK Product Security and Telecommunications Infrastructure (PSTI) Regulation**, which requires that all default passwords are unique or generated per device. However, to maintain the highest level of security, it is essential that you **set your own strong and memorable password**.

How to Change Your Password:

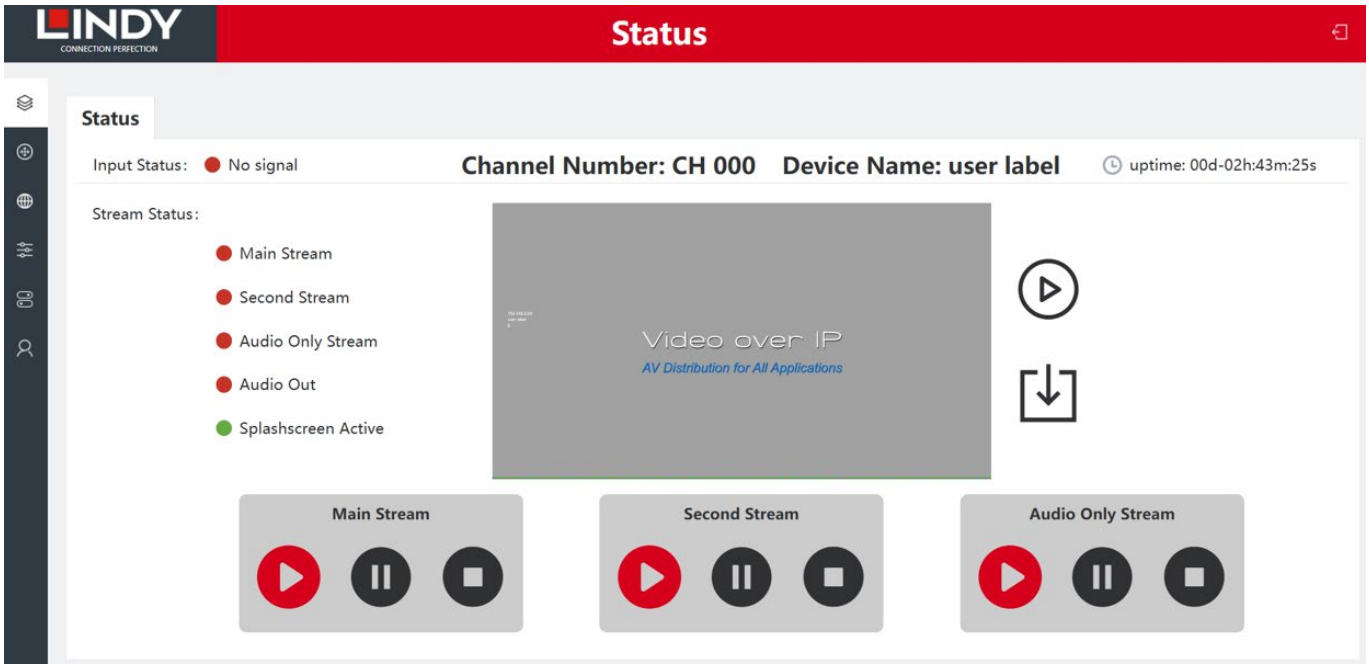
1. Power on the device and connect to it using the setup application or web interface.
2. Log in using the default credentials as above.
3. Navigate to **Admin > Web Login Setting**.
4. Enter your current password, then enter your new password twice to confirm.
5. Save your changes and log in again using the new password.

Tips for a Strong Password:

- Use at least **8 characters** (we recommend 12+)
- Include **uppercase and lowercase letters**
- Add **numbers** and **special characters** (!, @, #, etc.)
- Avoid common words or personal information

Failure to change the default password may expose your device to security risks. If you need assistance, please contact our customer support team.

Status



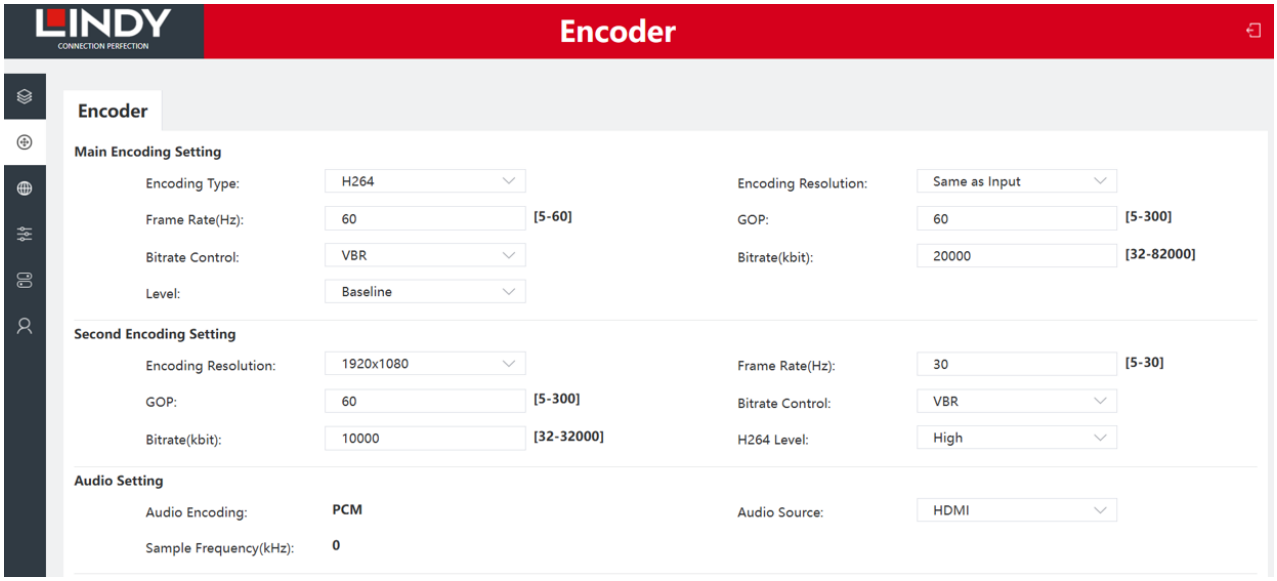
Input Status: Red dot means no signal, Green dot means that there is an active input signal and will show its video and audio formats.
Channel Number: channel number of the device.
Device Name: name of the device.
Uptime: show the running time of the device.
Stream Status:

- Main Stream: Red= stream is in STOP status; Orange= stream is in PAUSE status; Green= stream is in ACTIVE status.
- Second Stream: Red= stream is in STOP status; Orange= stream is in PAUSE status; Green= stream is in ACTIVE status.
- Audio Only Stream: Red= stream is in STOP status; Orange= stream is in PAUSE status; Green= stream is in ACTIVE status.
- Audio Out: Red= no audio output; Green= audio output is active.

- Splashscreen Active: Red= splashscreen not active; Green= splashscreen is displayed.

Main Stream/Second Stream/Audio Only Stream control buttons: Play, Pause and Stop control buttons. The window in the center displays the captured picture: click on Play/Pause button on the right to play the signal (with a refresh frequency rate of 5Hz) and to freeze the signal; click on the download button to download the captured picture on the PC.

Encoder



Main Encoding Setting

Encoding Type: select the main stream encoding type, H264 or H265.

Encoding Resolution: select between Same as input, 3840x2160, 1920x1080, 1280x720, 640x480 (Same as input and 3840x2160 are referred only to main stream).

Frame Rate (Hz): select the encoding frame rate.

GOP: group of picture, select the interval between two I-frames.

Bitrate Control: select the bitrate control type, including VBR (Variable Bit Rate) and CBR (Constant Bit Rate).

Bitrate (kbit): select the bitrate value.

Level: main stream supports Baseline only.

Second Encoding Setting

Encoding Resolution: select the encoding resolution between 1920x1080, 1280x720, 640x480.

Frame Rate (Hz): select the encoding frame rate.

GOP: group of picture, select the interval between two I-frames.

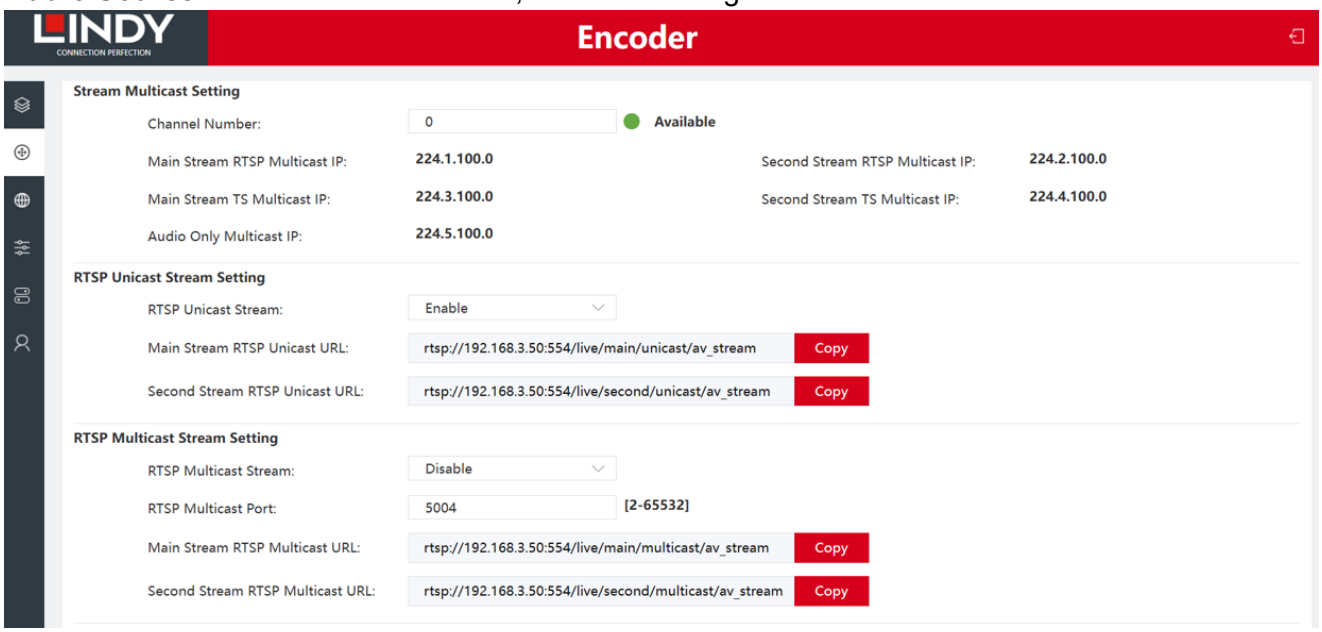
Bitrate Control: select the bitrate control type, including VBR (Variable Bit Rate) and CBR (Constant Bit Rate).

Bitrate (kbit): select the bitrate value.

H264 Level: second stream supports three levels: Baseline, Main and High.

Audio Setting

Audio Encoding: select the audio encoding type (read-only status).
Sample Frequency (kHz): select the audio sample frequency (read-only status).
Audio Source: select the audio source, HDMI or Analog.



Stream Multicast Setting

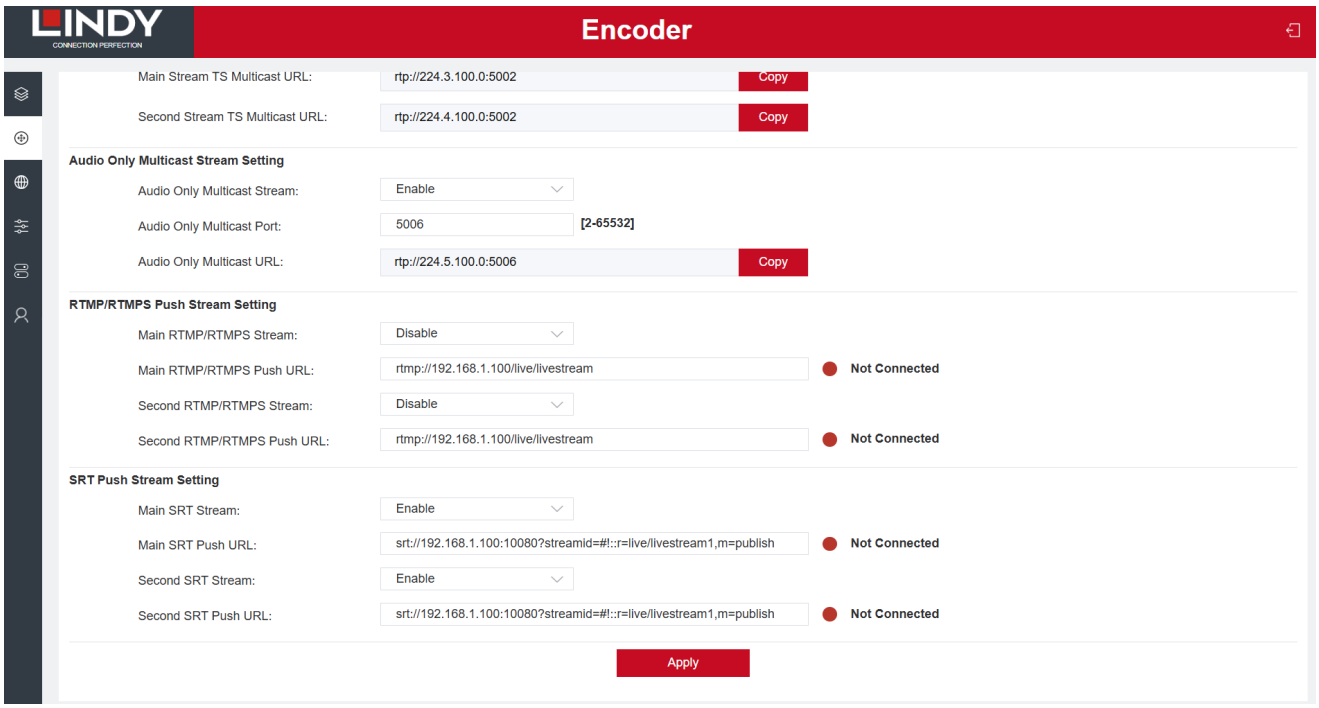
Channel Number: select the broadcast channel number of the stream, green/red status indicates if the channel is available or not.
Multicast IP addresses: the multicast addresses are automatically assigned by the device according to the channel number (read-only status).

RTSP Unicast Stream Setting

RTSP Unicast Stream: enable/disable the RTSP unicast stream.
Main Stream RTSP Unicast URL: when RTSP unicast stream is enabled, the main stream RTSP unicast URL will appear, click on **Copy** then paste it into the media player for playback.
Second Stream RTSP Unicast URL: when RTSP unicast stream is enabled, the second stream RTSP unicast URL, will appear, click on **Copy** then paste it into the media player for playback.

RTSP Multicast Stream Setting

RTSP Multicast Stream: enable/disable the RTSP multicast stream.
RTSP Multicast Port: select the RTSP multicast stream port number, it takes effect for both main and second stream.
Main Stream RTSP Multicast URL: when the RTSP multicast stream is enabled, the main stream RTSP multicast URL will appear, click on **Copy** then paste it into the media player for playback.
Second Stream RTSP Multicast URL: when the RTSP multicast stream is enabled, the second stream RTSP multicast URL will appear, click on **Copy** then paste it into the media player for playback.



TS Multicast Stream Setting

TS Multicast Stream: enable/disable the TS multicast stream.

TS Multicast Port: select the TS multicast stream port number, it takes effect for both main and second stream.

Main Stream TS Multicast URL: when the TS multicast stream is enabled, the main stream TS multicast URL will appear, click on **Copy** then paste it into the media player for playback.

Second Stream TS Multicast URL: when the TS multicast stream is enabled, the second stream TS multicast URL will appear, click on **Copy** then paste it into the media player for playback.

Audio Only Multicast Stream Setting

Audio Only Multicast Stream: enable/disable the audio only multicast stream.

Audio Only Multicast Port: select the audio only multicast stream port number.

Audio Only Multicast URL: when the audio only multicast stream is enabled, the audio only multicast URL will appear, click on Copy and paste in a software such as VLC media player to play audio only multicast stream.

RTMP/RTMPS Push Stream Setting

Main RTMP/RTMPS Stream: enable/disable the main RTMP/RTMPS stream.

Main RTMP/RTMPS Push URL: when the main RTMP/RTMPS stream is enabled, the main RTMP/RTMPS push stream URL will appear. If there is no push stream or the push stream fails, the status light will show as red, if it's active will show as green.

Second RTMP/RTMPS Stream: enable/disable the second RTMP/RTMPS stream.

Second RTMP/RTMPS Push URL: when the second RTMP/RTMPS stream is enabled, the RTMP/RTMPS push stream URL will appear. If there is no push stream or the push stream fails, the status light will show as red, if it's active will show as green.

After setting the encoder attributes, click on **Apply** to take effect.

SRT Push Stream Setting

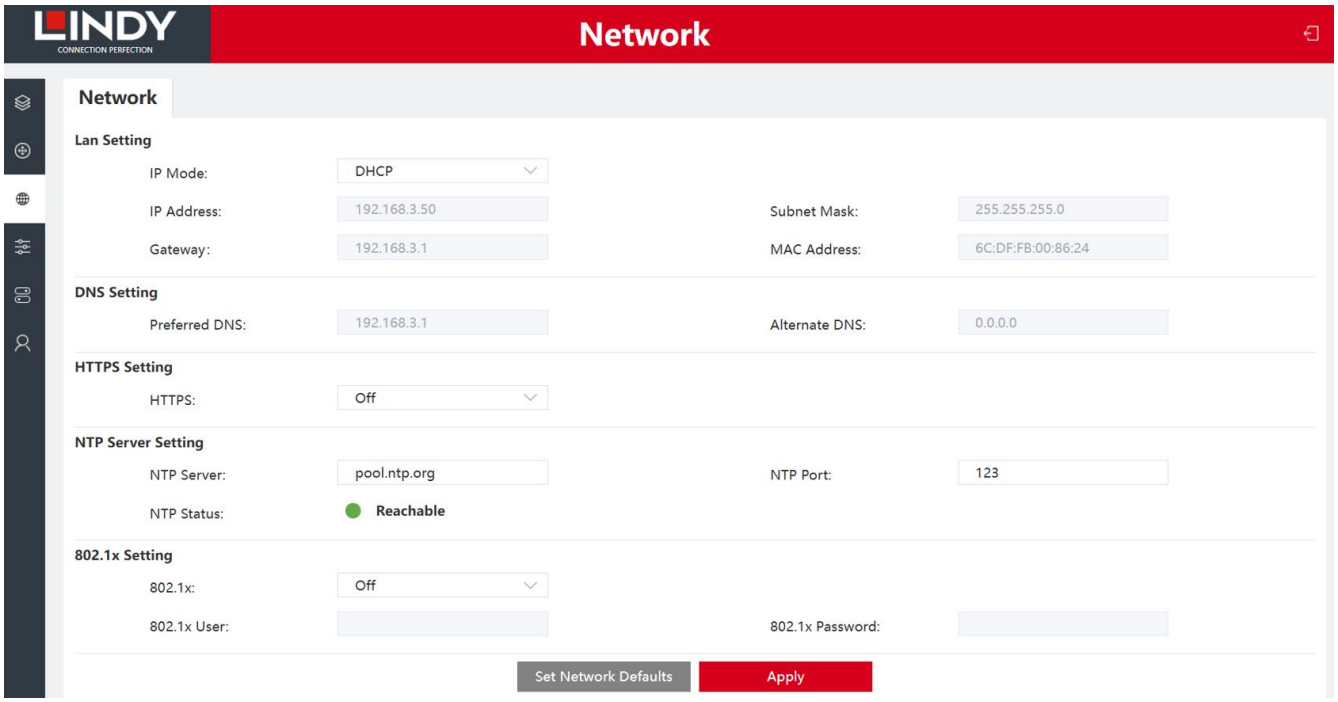
Main SRT Stream: enable/disable the main SRT stream.

Main SRT Push URL: when the main SRT stream is enabled, the main SRT push stream URL will appear. If there is no push stream or the push stream fails, the status light will show as red, if it's active will show as green.

Second SRT Stream: enable/disable the second SRT stream.

Second SRT Push URL: when the second SRT stream is enabled, the SRT push stream URL will appear. If there is no push stream or the push stream fails, the status light will show as red, if it's active will show as green.
After setting the encoder attributes, click on Apply to take effect.

Network



LAN Setting

Select to set the IP Mode (DHCP/Static). In Static mode enter the IP address, Subnet Mask and Gateway, then click **Apply**. In DHCP mode the LAN settings will be assigned by the router or other DHCP server automatically.

DNS Setting

It displays the preferred DNS and alternate NDS (read-only status).

HTTPS Setting

The system uses HTTP to login by default. Select ON to enable the HTTPS function. The system will reboot after switching between HTTP and HTTPS.

NTP Server Setting

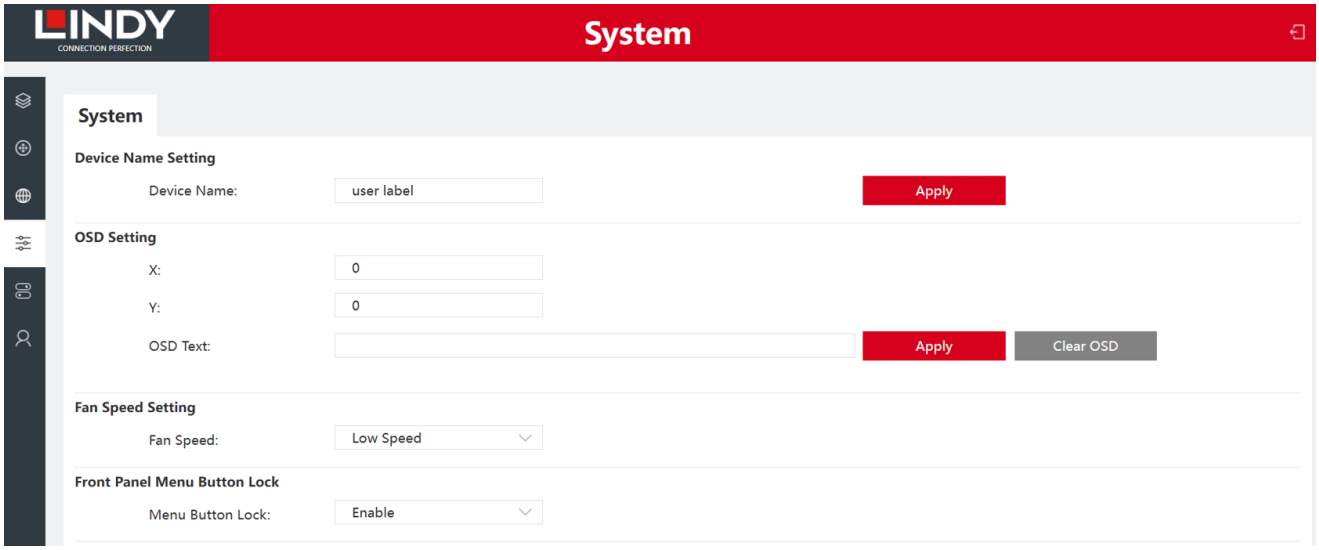
NTP Server: shows the address of the NTP server.
NTP Port: shows the access port of the NTP server.
NTP Status: shows the access status of the NTP server, if it's green there can be normal access to the NTP server, if it's red there is no access to the NTP server.

802.1x Setting

802.1x: click the drop-down menu to select On/Off to enable/disable the 802.1x function.
802.1x User: select the login username.
802.1x Password: select the password.

Set Network Defaults: click this button to restore the network settings back to the default state.
Apply: click this button to save the configured settings, otherwise the configured properties will not take effect.

System



Device Name Setting: write the desired name of the device and click on **Apply**.

OSD Setting

X: the horizontal coordinate of the OSD display originating from the top left of the screen, from left to right.

Y: the vertical coordinate of the OSD display originating from the top left of the screen, from top to bottom.

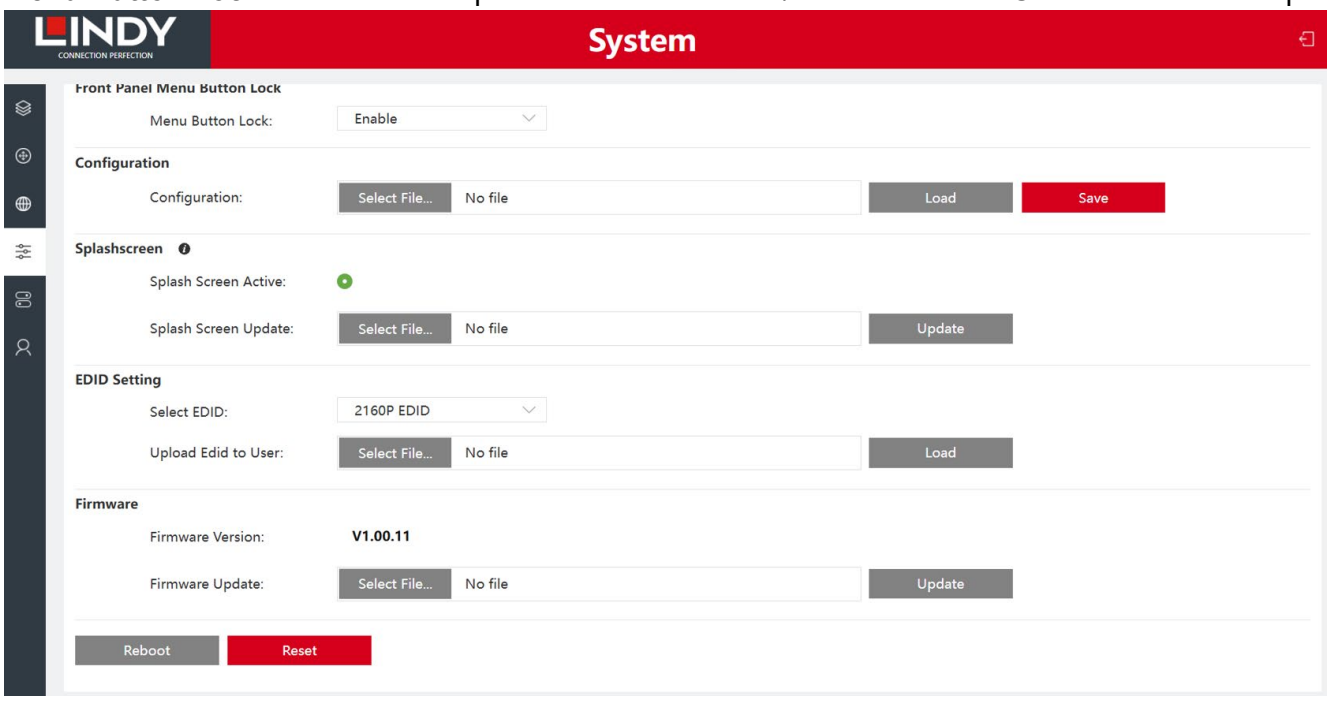
OSD Text: write the content of the OSD and click on **Apply**. Click on **Clear OSD** to remove the OSD.

Fan Speed Setting

Fan Speed: click on the drop-down menu to select the fan speed (Silent/LowSpeed/Standard Speed/High Speed).

Front Panel Menu Button Lock

Menu Button Lock: click on the drop-down menu to Enable/Disable the MENU button on the front panel.



Configuration

Download configuration: click on **Save** button to export the current device configuration file.

Upload configuration: click on **Select File** to select a configuration file to be imported, then click **Load** to upload the file.

Splashscreen

Splash Screen Active: shows the image upload status, if it's gray means that the image displayed by Splashsreen has not been uploaded, is it's green the image displayed by Splashsreen has been uploaded.

Splash Screen Update: click on **Select File** to select a picture file, then click **Update** to upload the picture.

EDID Setting

Select EDID: click the drop-down menu to select the desired EDID setting.

Upload EDID to User: click **Select File** to select a EDID file (a binary file containing 256 bytes of EDID data), then click Load to start the upload.

Note: For user-defined EDID uploading, first click **Select File** to import the EDID file, then select **User EDID.**

Firmware

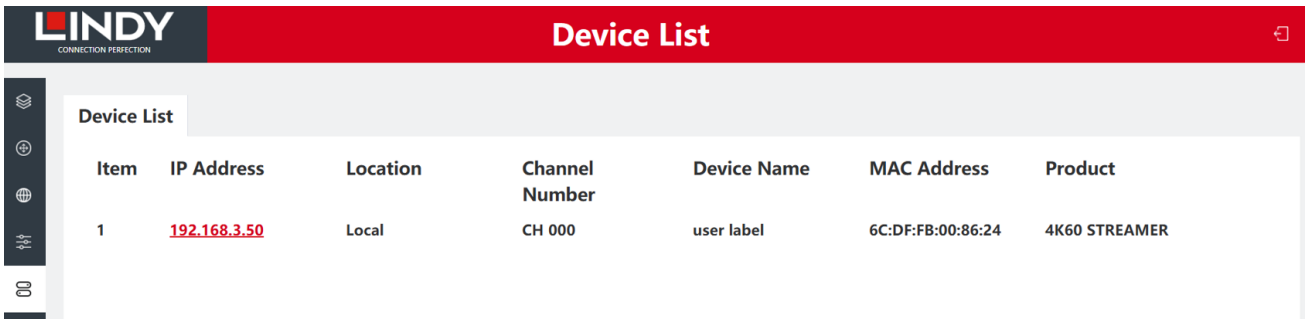
Firmware Version: shows the version of the current firmware.

Firmware Update: click **Select File** to select the firmware file to be updated, then click **Update** to run the update.

Reboot: click **Reboot** to reboot the device.

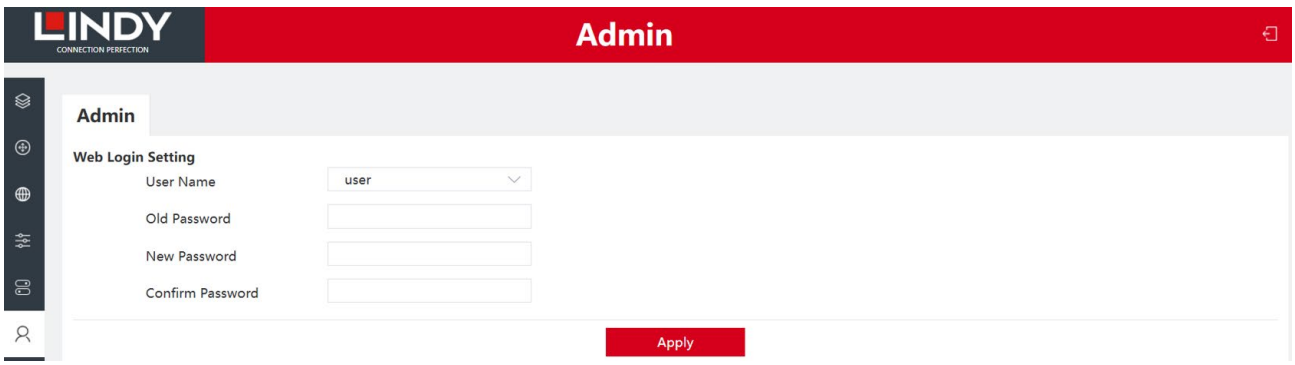
Reset: click **Reset** to restore the device to factory settings.

Device List



This page displays information about all devices that can be searched for on the network showing IP Address, Location, Channel Number (please note that if the channel number is in conflict between two devices, both of them will be displayed in red), Device Name, MAC Address and Product.

Admin

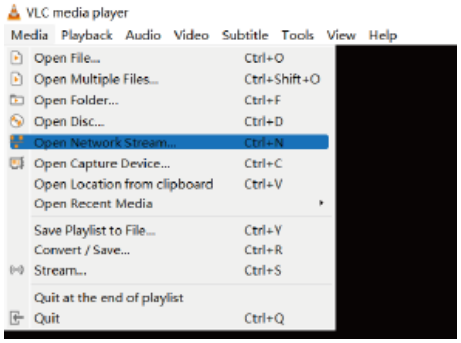


Change admin/user password and click on **Apply** to take effect.

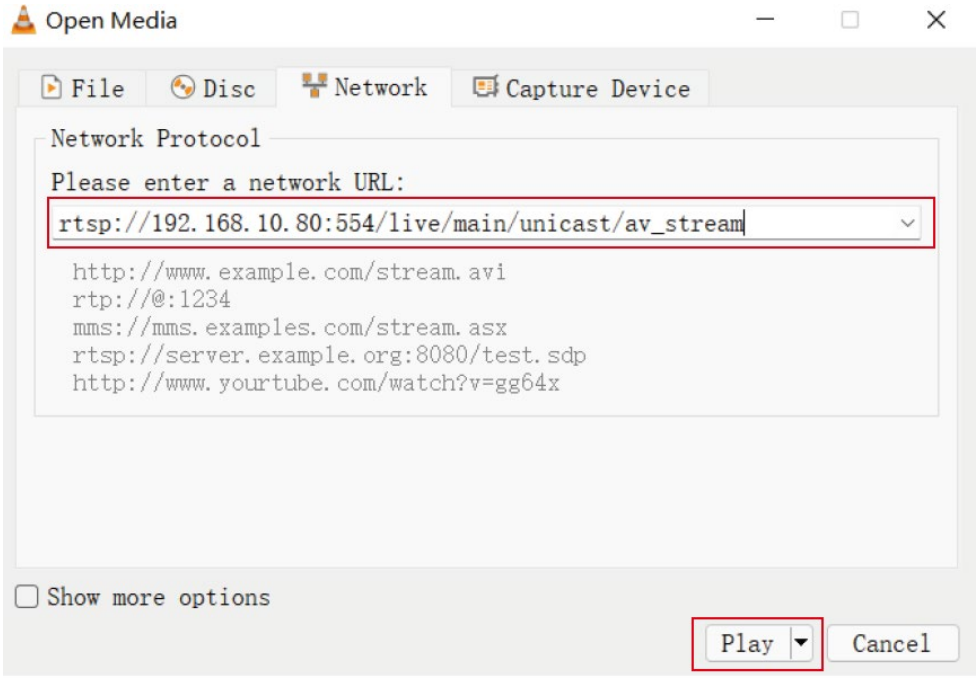
RTSP/TS Stream Operation

This AV Streamer supports playing RTSP/TS stream on computer through the corresponding software such as VLC media player, simultaneously set up the Web GUI accordingly following the steps below:

1. Enable the RTSP/TS stream on the Encoder page of the Web GUI.
2. Copy the stream URL.
3. Open VLC and click on Open Network Stream



4. Paste the RTSP/TS stream URL into the URL input box, then click Play button to start playing the stream.

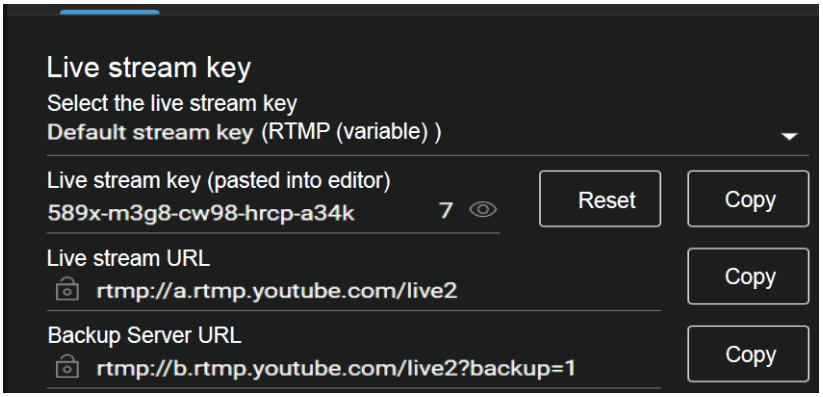


Select Tools > Codec Information to display the stream information.

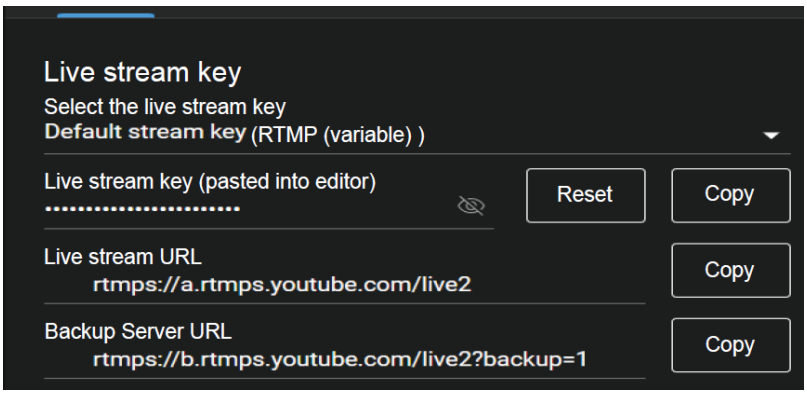
RTMP/RTMPS Push Stream (Youtube) Operation

This AV Streamer supports RTMP/RTMPS push stream through the corresponding platform such as Youtube, simultaneously set up the Web GUI accordingly following the steps below:

1. Login to Youtube website and click on create icon, obtain the URL of the RTMP/RTMPS push stream. The RTMP push stream URL is rtmp://a.rtmp.youtube.com/live2/589x-m3g8-cw98-hrcp-a34k



2. Click on the  icon to obtain the URL of the RTMPS push stream, the RTMPS push stream URL is rtmps://a.rtmps.youtube.com/live2/589x-m3g8-cw98-hrcp-a34k

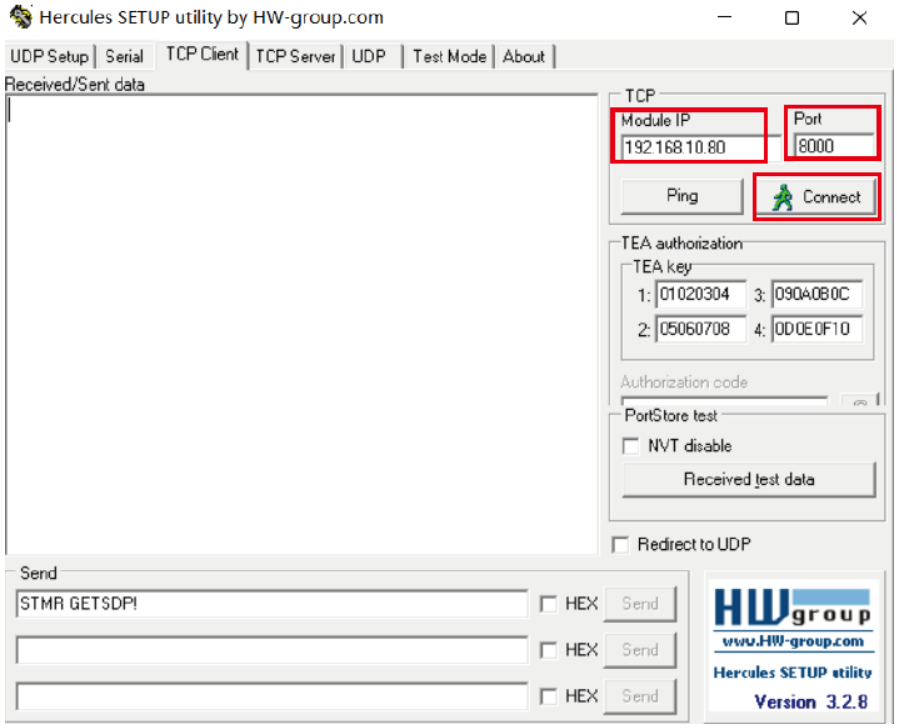


3. Start the push stream by entering the Main RTMP/RTMPS PUSH URL in the web GUI and select Enable.
4. Click on Apply and wait for the green status showing the push stream is successful.

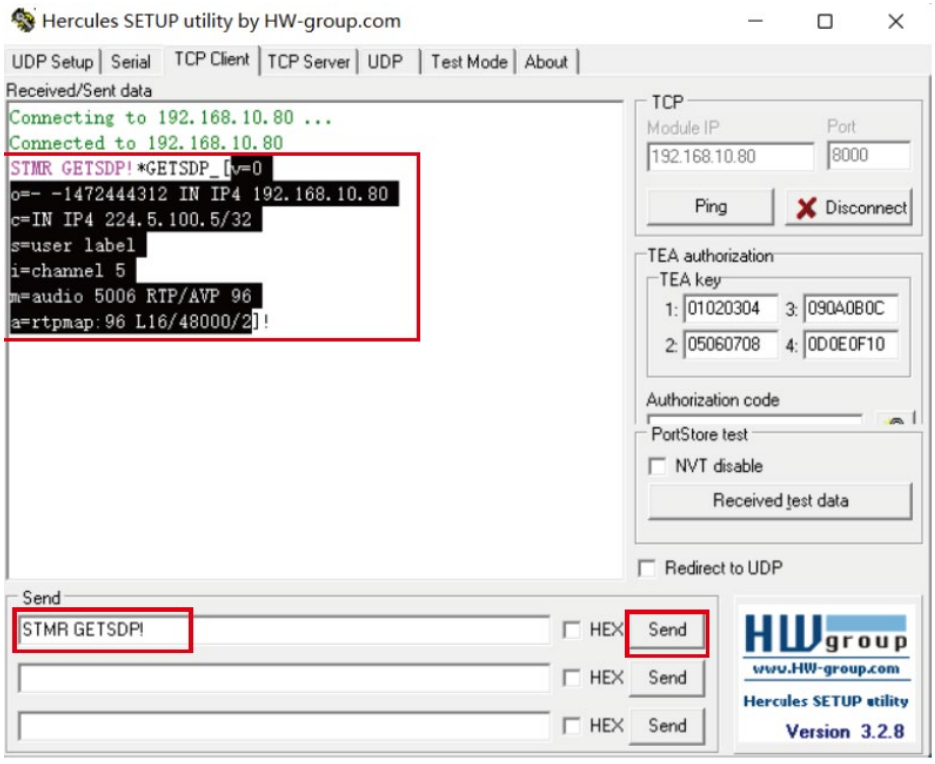
Audio Only Stream Operation

This AV Streamer supports playing audio only multicast stream on computer through the corresponding software such as VLC media player, simultaneously set up the Web GUI accordingly following the steps below:

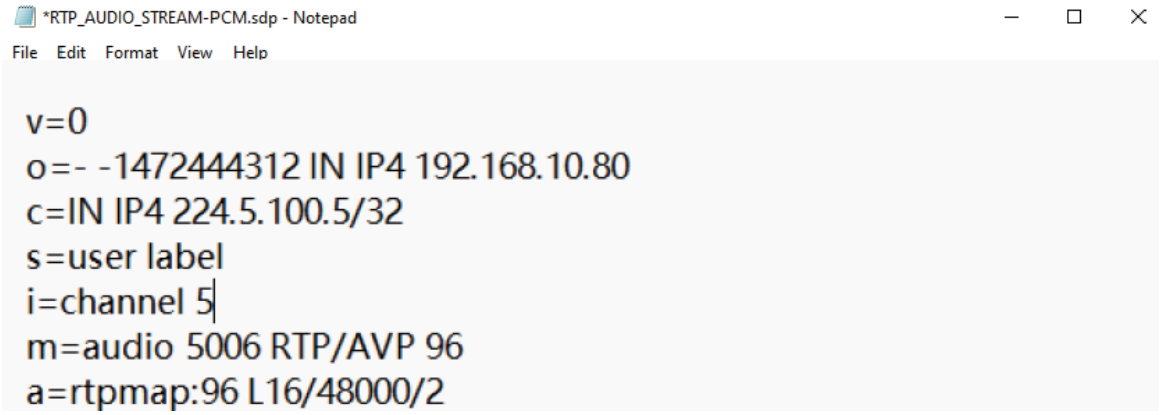
1. Enable the Audio Only Multicast Stream on the Encoder page of the Web GUI.
2. Open a serial command tool on PC, input the Module IP (192.168.10.80) of the device, the Port (8000), then click Connect.



3. Write the command “STMR GETSDP!” and click Send, then the following feedback should appear.



4. Copy the obtained text (the selected part in the figure above), then paste it in the new-created notepad (or directly overwrite the content of the provided RTP_AUDIO-STREAM-PCM.sdp file). Finally, save the file with the name of “RTP_AUDIO-STREAM-PCM.sdp”.



5. Open VLC media player, click Media > Open File to import the sdp file, then the audio only multicast stream will start to play.

API Commands

STMR GETIPADDRESS! Get device ip address
STMR GETSUBNET! Get device subnet
STMR GETGATEWAY! Get device gateway
STMR GETIPMETHOD! Get device ip method
STMR GETMACADDRESS! Get device mac address
STMR GETPREFERREDDNS! Get device preferred dns server
STMR GETALTERNATEDNS! Get device alternate dns server
STMR GETNTPSERVER! Get NTP Server
STMR GETNTPPORT! Get NTP port
STMR GETACTIVESIGNAL! Get input signal active status
STMR GETINPUTDATA! Get input signal information
STMR GETOSDON! Get osd text string
STMR GETOSDONSTATE! Get osd on/off status
STMR GETDEVICES! Get online devices
STMR GETMENULOCKSTATE! Get front panel menu button lock on/off status
STMR GETFIRMWARE! Get device firmware version
STMR GETMAINSTREAMSTATE! Get main stream status
STMR GETSECONDSTREAMSTATE! Get second stream status
STMR GETAUDIOSTREAMSTATE! Get audio stream status
STMR GETAUDIOSOURCE! Get audio sourec
STMR GETCHANNEL! Get channel number
STMR GETMAINMULTICAST! Get main TS and RTSP multicastip and port number
STMR GETSECONDMULTICAST! Get second TS and RTSP multicastip and port number
STMR GETAUDIOMULTICAST! Get audio only multicastip and port number
STMR GETUSERLABEL! Get userlabel
STMR GETEDID! Get current edid data
STMR GETRUNHOURS! Get device run time
STMR GETSERIALNUMBER! Get serial number
STMR GETSDP! Get session description protocol file
STMR GETMAINENCODERTYPE! Get main encoder type
STMR GETMAINENCODERBITRATE! Get main encoder bitrate
STMR GETMAINENCODERBITRATECONTROL! Get main encoder bitrate control

STMR GETMAINENCODERFRAMERATE! Get main encoder frame rate
STMR GETMAINENCODERRESOLUTION! Get main encoder resolution
STMR GETMAINENCODERLEVEL! Get main encoder level
STMR GETMAINENCODERGOP! Get main encoder gop
STMR GETSECONDENCODERBITRATE! Get second encoder bitrate
STMR GETSECONDENCODERBITRATECONTROL! Get second encoder bitrate control
STMR GETSECONDENCODERFRAMERATE! Get second encoder frame rate
STMR GETSECONDENCODERRESOLUTION! Get second encoder resolution
STMR GETSECONDENCODERH264LEVEL! Get second encoder h264 level
STMR GETSECONDENCODERGOP! Get second encoder gop
STMR GETCPU_USAGE! Reports CPU load
STMR GETMEMORY_USAGE! Reports memory load
STMR GETMAINRTMPURL! Get main rtmp url
STMR GETMAINRTMPENABLE! Get main rtmp enable status
STMR GETMAINRTMPSTATUS! Get main rtmp stream push status
STMR GETSECONDRTMPURL! Get second rtmp url
STMR GETSECONDRTMPENABLE! Get second rtmp enable status
STMR GETSECONDRTMPSTATUS! Get second rtmp stream push status
STMR GETHTTPSENABLE! Get https enable status
STMR GET8021XENABLE! Get 802.1x enable status
STMR GETFANSPEED! Get fan speed
STMR GETCLOSESYSTEMMODE! Get close system mode
STMR GETMAINSRTURL! Get main srt url
STMR GETMAINSRTENABLE! Get main srt enable status
STMR GETMAINSRTSTATUS! Get main srt stream push status
STMR GETSECONDSRTURL! Get second srt url
STMR GETSECONDSRTENABLE! Get second srt enable status
STMR GETSECONDSRTSTATUS! Get second srt stream push status
STMR SETMAINENCODERTYPE_[xxx]! Set main encoder type xxx=H265 xxx=H264
STMR SETMAINENCODERBITRATE_[nnnn]! Set main encoder bitrate nnnn= 32 ~ 82000
STMR SETMAINENCODERBITRATECONTROL_[xxx]! Set main encoder bitrate control xxx=VBR xxx=CBR
STMR SETMAINENCODERFRAMERATE_[nn]! Set main encoder frame rate nn= 5 ~ 60
STMR SETMAINENCODERRESOLUTION_[xxx]! Set main encoder resolution xxx=SAME xxx=2160 xxx=1080 xxx = 720
STMR SETMAINENCODERLEVEL_[xxx]! Set main encoder level xxx=BASELINE
STMR SETMAINENCODERGOP_[nnn]! Set main encoder gop nnn= 5 ~ 300
STMR SETSECONDENCODERBITRATE_[nnnn]! Set second encoder bitrate nnnn= 32 ~ 32000
STMR SETSECONDENCODERBITRATECONTROL_[xxx]! Set second encoder bitrate control xxx=VBR xxx=CBR
STMR SETSECONDENCODERFRAMERATE_[nn]! Set second encoder frame rate nn= 5 ~ 30
STMR SETSECONDENCODERRESOLUTION_[xxx]! Set second encoder resolution xxx=1080 xxx = 720 xxx = 480
STMR SETSECONDENCODERH264LEVEL_[xxx]! Set second encoder h264 level xxx=BASELINE xxx=MAIN xxx=HIGH
STMR SETSECONDENCODERGOP_[nnn]! Set second encoder gop nnn= 5 ~ 300
STMR SETCHANNEL_[xxx]! Set channel number xxx= 0 ~ 999
STMR SETAUDIOSOURCE_[xxx]! Set audio sourec xxx=HDMI xxx=AUDIOIN
STMR SETIPADDRESS_[nnn.nnn.nnn.nnn]! Set static network ip
STMR SETSUBNET_[nnn.nnn.nnn.nnn]! Set static network netmask

STMR SETGATEWAY_[nnn.nnn.nnn.nnn]! Set static network gateway
STMR SETIPMETHOD_[xxx]! Set ip method xxx=STATIC xxx=DHCP
STMR SETPREFERREDDNS_[nnn.nnn.nnn.nnn]! Set static preferred dns server
STMR SETALTERNATEDNS_[nnn.nnn.nnn.nnn]! Set static alternate dns server
STMR SETNTPSERVER_[xxx]! Set NTP Server
STMR SETNTPPORT_[nnnnn]! Set NTP port nnn= 1 ~ 65535
STMR SETEDID_[xxx]! Set edid mode xxx=2160 xxx=1080 xxx=720 xxx=CUSTOM
STMR SETOSDON_[x,y]_[sss]! Set osd on and osd text on[x,y]
STMR SETOSDOFF! Set osd off
STMR SETUSERLABEL_[xxx]! Set user label
STMR SETALLSTREAMSTATE_[xxx]! Set stream status xxx=START xxx=PAUSE xxx=STOP
STMR SETMAINSTREAMSTATE_[xxx]! Set main stream status xxx=START xxx=PAUSE xxx=STOP
STMR SETSECONDSTREAMSTATE_[xxx]! Set second stream status xxx=START xxx=PAUSE xxx=STOP xxx=DISABLE
STMR SETAUDIOSTREAMSTATE_[xxx]! Set audio stream status xxx=START xxx=PAUSE xxx=STOP
STMR SETTSMULTICAST_[xxx]! Set TS Multicast Enable on/off xxx=ENABLE xxx=DISABLE
STMR SETRTSPMULTICAST_[xxx]! Set RTSP Multicast Enable on/off xxx=ENABLE xxx=DISABLE
STMR SETRTSPUNICAST_[xxx]! Set RTSP Unicast Enable on/off xxx=ENABLE xxx=DISABLE
STMR SETAUDIOMULTICAST_[xxx]! Set Audio only Multicast Enable on/off xxx=ENABLE xxx=DISABLE
STMR SETTSMULTICASTPORT_[xxx]! Set TS Multicast Port nnn= 1 ~ 65535
STMR SETRTSPMULTICASTPORT_[xxx]! Set RTSP Multicast Port nnn= even number (2 ~ 65532)
STMR SETAUDIOMULTICASTPORT_[xxx]! Set Audio only Multicast Port nnn= even number (2 ~ 65532)
STMR SETMENULOCKSTATE_[xxx]! Set front pane menu button lock on/off xxx=ON xxx=OFF
STMR SETMAINRTMPURL_[ssss]! Set main rtmp url ssss=url must start with rtmp://
STMR SETMAINRTMPENABLE_[xxx]! Set main rtmp enable xxx = ON xxx = OFF
STMR SETSECONDRTMPURL_[ssss]! Set second rtmp url ssss=url must start with rtmp://
STMR SETSECONDRTMPENABLE_[xxx]! Set second rtmp enable xxx = ON xxx = OFF
STMR SETHTTPSENABLE_[xxx]! Set https enable xxx = ON xxx = OFF
STMR SET8021XOFF! Set 802.1x off
STMR SET8021XON_[user]_[pwd]! Set 802.1x on user=802.1x username, pwd=802.1x password
STMR SETFANSPEDD_[nnn]! Set fan speed. 1:Silent 2:Low Speed 3:Standard Speed 4:High Speed
STMR SETCLOSESYSTEMMODE_[xxx]! Set close system mode xxx = ON xxx = OFF
STMR SETMAINSRTURL_[ssss]! Set main srt url ssss=url
STMR SETMAINSRTENABLE_[xxx]! Set main srt enable xxx = ON xxx = OFF
STMR SETSECONDSRTURL_[ssss]! Set second srt url ssss=url
STMR SETSECONDSRTENABLE_[xxx]! Set second srt enable xxx = ON xxx = OFF
STMR REBOOT! Set reboot the device
STMR SETFACTORYDEFAULT! Set reset the device

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Recycling Information



WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

Europe, United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process. Each individual EU member state, as well as the UK, has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

Germany / Deutschland Elektro- und Elektronikgeräte

Informationen für private Haushalte sowie gewerbliche Endverbraucher
Hersteller-Informationen gemäß § 18 Abs. 4 ElektroG (Deutschland)
Das Elektro- und Elektronikgerätegesetz (ElektroG) enthält eine Vielzahl von Anforderungen an den Umgang mit Elektro- und Elektronikgeräten. Die wichtigsten sind hier zusammengestellt.

1. Bedeutung des Symbols „durchgestrichene Mülltonne“



Das auf Elektro- und Elektronikgeräten regelmäßig abgebildete Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das jeweilige Gerät am Ende seiner Lebensdauer getrennt vom unsortierten Siedlungsabfall zu erfassen ist.

2. Getrennte Erfassung von Altgeräten

Elektro- und Elektronikgeräte, die zu Abfall geworden sind, werden als Altgeräte bezeichnet. Besitzer von Altgeräten haben diese einer vom unsortierten Siedlungsabfall getrennten Erfassung zuzuführen. Altgeräte gehören insbesondere nicht in den Hausmüll, sondern in spezielle Sammel- und Rückgabesysteme.

3. Batterien und Akkus sowie Lampen

Besitzer von Altgeräten haben Altbatterien und Altakkumulatoren, die nicht vom Altgerät umschlossen sind, sowie Lampen, die zerstörungsfrei aus dem Altgerät entnommen werden können, im Regelfall vor der Abgabe an einer Erfassungsstelle vom Altgerät zu trennen. Dies gilt nicht, soweit Altgeräte einer Vorbereitung zur Wiederverwendung unter Beteiligung eines öffentlich-rechtlichen Entsorgungsträgers zugeführt werden.

4. Möglichkeiten der Rückgabe von Altgeräten

Besitzer von Altgeräten aus privaten Haushalten können diese bei den Sammelstellen der öffentlich-rechtlichen Entsorgungsträger oder bei den von Herstellern oder Vertreibern im Sinne des ElektroG eingerichteten Rücknahmestellen unentgeltlich abgeben.
Rücknahmepflichtig sind Geschäfte mit einer Verkaufsfläche von mindestens 400 m² für Elektro- und Elektronikgeräte sowie diejenigen Lebensmittelgeschäfte mit einer Gesamtverkaufsfläche von mindestens 800 m², die mehrmals pro Jahr oder dauerhaft Elektro- und Elektronikgeräte anbieten und auf dem Markt bereitstellen. Dies gilt auch bei Vertrieb unter Verwendung von Fernkommunikationsmitteln, wenn die Lager- und Versandflächen für Elektro- und Elektronikgeräte mindestens 400 m² betragen oder die gesamten Lager- und Versandflächen mindestens 800m² betragen. Vertreiber haben die Rücknahme grundsätzlich durch geeignete Rückgabemöglichkeiten in zumutbarer Entfernung zum jeweiligen Endnutzer zu gewährleisten.
Die Möglichkeit der unentgeltlichen Rückgabe eines Altgerätes besteht bei rücknahmepflichtigen Vertreibern unter anderem dann, wenn ein neues gleichartiges Gerät, das im Wesentlichen die gleichen Funktionen erfüllt, an einen Endnutzer abgegeben wird. Wenn ein neues Gerät an einen privaten Haushalt ausgeliefert wird, kann das gleichartige Altgerät auch dort zur unentgeltlichen Abholung übergeben werden; dies gilt bei einem Vertrieb unter Verwendung von Fernkommunikationsmitteln für Geräte der Kategorien 1, 2 oder 4 gemäß § 2 Abs. 1 ElektroG, nämlich „Wärmeüberträger“, „Bildschirmgeräte“ oder „Großgeräte“ (letztere mit mindestens einer äußeren Abmessung über 50 Zentimeter). Zu einer entsprechenden Rückgabe-Absicht werden Endnutzer beim Abschluss eines Kaufvertrages befragt. Außerdem besteht die Möglichkeit der unentgeltlichen Rückgabe bei Sammelstellen der Vertreiber unabhängig vom Kauf eines neuen Gerätes für solche Altgeräte, die in keiner äußeren Abmessung größer als 25 Zentimeter sind, und zwar beschränkt auf drei Altgeräte pro Geräteart.

5. Datenschutz-Hinweis

Altgeräte enthalten häufig sensible personenbezogene Daten. Dies gilt insbesondere für Geräte der Informations- und Telekommunikationstechnik wie Computer und Smartphones. Bitte beachten Sie in Ihrem eigenen Interesse, dass für die Löschung der Daten auf den zu entsorgenden Altgeräten jeder Endnutzer selbst verantwortlich ist.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique. Chaque Etat membre de l’Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d’application correspondant à l’élimination des déchets électriques ou électroniques de votre pays.

Recycling Information

Italy
Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell'EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico. Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

España
En 2006, la Unión Europea introdujo regulaciones (WEEE) para la recolección y reciclaje de todos los residuos de aparatos eléctricos y electrónicos. Ya no está permitido simplemente tirar los equipos eléctricos y electrónicos. En cambio, estos productos deben entrar en el proceso de reciclaje. Cada estado miembro de la UE ha implementado las regulaciones de WEEE en la legislación nacional de manera ligeramente diferente. Por favor, siga su legislación nacional cuando desee deshacerse de cualquier producto eléctrico o electrónico. Se pueden obtener más detalles en su agencia nacional de reciclaje de WEEE.

Polska
W 2006 roku Unia Europejska wprowadziła przepisy (WEEE) dotyczące zbierania i recyklingu wszystkich zużytych urządzeń elektrycznych i elektronicznych. Nie można już po prostu wyrzucać sprzętu elektrycznego i elektronicznego. Zamiast tego produkty te muszą zostać wprowadzone do procesu recyklingu. Każde państwo członkowskie UE, a także Wielka Brytania, wdrożyły przepisy DOTYCZĄCE WEEE do prawa krajowego w nieco inny sposób. Przestrzegaj prawa krajowego, gdy chcesz pozbyć się jakichkolwiek produktów elektrycznych lub elektronicznych. Więcej szczegółów można uzyskać w krajowej agencji recyklingu WEEE.

CE/FCC Statement

CE Certification
LINDY declares that this equipment complies with relevant European CE requirements.

CE Konformitätserklärung
LINDY erklärt, dass dieses Equipment den europäischen CE-Anforderungen entspricht

UKCA Certification
LINDY declares that this equipment complies with relevant UKCA requirements.

FCC Certification
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The enclosed power supply has passed Safety test requirements, conforming to the US American versions of the international Standard IEC 62368-1.

LINDY Herstellergarantie – Hinweis für Kunden in Deutschland
LINDY gewährt für dieses Produkt über die gesetzliche Regelung in Deutschland hinaus eine zweijährige Hersteller-garantie ab Kaufdatum. Die detaillierten Bedingungen dieser Garantie finden Sie auf der LINDY Website aufgelistet bei den AGBs.

Statement of PSTI Compliance
This product has been designed in conformance with the applicable security requirements of the following UK Legislation: Product Security and Telecommunications Infrastructure Act 2022 and Schedule 1 of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023.
The product is in conformity with the following Security requirements:

1. Password is unique per device or defined by the user of the device, and the password which is unique per device is generated by using as security mechanism that reduces the risk of automated attacks against a class or type of device.
2. Users can report vulnerabilities to LINDY via productsecurity@lindy.co.uk, furthermore, users will receive acknowledgment of the receipt of a security issues report and status updates until the resolution of the reported security issues.
3. We will provide security updates and patches to address any security vulnerabilities that may be identified in the product during the support period. The defined support period will end on April 2035 after the product's last end-of-life date.

Hersteller / Manufacturer (EU):
LINDY-Elektronik GmbH
Markircher Str. 20
68229 Mannheim
Germany
Email: info@lindy.com, T: +49 (0)621 470050

Manufacturer (UK):
LINDY Electronics Ltd
Sadler Forster Way
Stockton-on-Tees, TS17 9JY
England
sales@lindy.co.uk, T: +44 (0)1642 754000

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