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NEDIS VEXT3470AT

NEDIS VEXT3470AT HDMI Audio Extractor User Manual

Model: VEXT3470AT

1. INTRODUCTION

The NEDIS VEXT3470AT HDMI Audio Extractor allows you to separate audio signals from an HDMI source and output them to an audio system, while simultaneously passing the video signal to a display. This device is designed to integrate modern HDMI sources with audio systems that may not have HDMI inputs, providing both digital (Toslink) and analog (L/R stereo) audio outputs.

It supports 3D video and amplifies the digital video signal for reliable transmission.

2. SAFETY INFORMATION

- Read these instructions carefully before use.
- Keep the device away from water, moisture, and extreme temperatures.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Use only the provided power adapter. Using an incorrect adapter may damage the device and void the warranty.
- Ensure proper ventilation around the device to prevent overheating.
- Disconnect the power adapter during lightning storms or when unused for long periods.

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present and in good condition:

- NEDIS VEXT3470AT HDMI Audio Extractor
- Power Adapter
- User Manual (this document)



Image: The NEDIS VEXT3470AT HDMI Audio Extractor unit shown alongside its power adapter.

4. PRODUCT OVERVIEW

Familiarize yourself with the ports and indicators on the HDMI Audio Extractor:

4.1 Input Side



Image: Close-up of the input side of the audio extractor, showing the HDMI In port, LPCM, Link, and Power indicator LEDs, and the Audio Mode Switch.

- **HDMI In:** Connect your HDMI source device (e.g., DVD/Blu-ray player, game console).
- **LPCM LED:** Indicates when LPCM audio format is detected.
- **Link LED:** Indicates an active HDMI connection.
- **Power LED:** Illuminates when the device is powered on.
- **Audio Mode Switch:**
 - **Bitstream:** For multi-channel audio formats like Dolby Digital or DTS.
 - **TV:** Passes audio directly from the HDMI source to the TV.
 - **LPCM 2CH:** For 2-channel stereo audio output via L/R analog and Toslink.

4.2 Output Side



Image: Close-up of the output side of the audio extractor, showing the 5V/DC power input, Optical (Toslink) audio output, HDMI Out port, and L/R analog audio outputs.

- **5V/DC:** Power input port. Connect the provided power adapter here.
- **Optical:** Digital audio output (Toslink). Connect to an audio receiver or soundbar.
- **HDMI Out:** Connect to your TV or display.
- **L/R:** Analog stereo audio output. Connect to an amplifier or stereo system using RCA cables.

5. SETUP INSTRUCTIONS

Follow these steps to connect your HDMI Audio Extractor:

1. **Power Off Devices:** Ensure all devices (HDMI source, TV, audio system) are powered off before making connections.
2. **Connect HDMI Source:** Connect an HDMI cable from your source device (e.g., Blu-ray player) to the **HDMI In** port on the audio extractor.
3. **Connect Display:** Connect another HDMI cable from the **HDMI Out** port on the audio extractor to your TV or display.
4. **Connect Audio System:**

- For digital audio, connect an optical Toslink cable from the **Optical** port on the extractor to your audio receiver or soundbar.
- For analog stereo audio, connect RCA cables from the **L/R** ports on the extractor to your stereo amplifier or active speakers.

5. **Connect Power:** Plug the provided power adapter into the **5V/DC** port on the extractor, then plug the adapter into a power outlet. The Power LED should illuminate.

6. **Power On Devices:** Power on your TV/display, audio system, and then your HDMI source device.

6. OPERATING INSTRUCTIONS

Once connected, operate the device as follows:

1. **Select Audio Mode:** Use the **Audio Mode Switch** on the input side to select the desired audio output format:
 - **Bitstream:** For multi-channel audio (e.g., Dolby Digital, DTS) to be passed through the Optical output. Your audio receiver must support these formats.
 - **TV:** Passes the audio directly to the TV via HDMI. Audio extraction via Optical/L/R may be limited or unavailable in this mode, depending on the source and TV capabilities.
 - **LPCM 2CH:** Converts multi-channel audio to 2-channel LPCM for output via Optical and L/R analog ports. This is suitable for stereo systems or when your receiver does not support Bitstream formats.
2. **Verify Indicators:**
 - The **Power LED** should be on.
 - The **Link LED** should be on when an active HDMI signal is detected from the source.
 - The **LPCM LED** will illuminate if the audio signal is in LPCM format.
3. **Adjust Audio System:** Ensure your audio receiver or soundbar is set to the correct input (Optical or Analog L/R) and volume.

7. MAINTENANCE

To ensure the longevity and optimal performance of your HDMI Audio Extractor:

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place when not in use.
- **Handling:** Avoid dropping or subjecting the device to strong impacts.

8. TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting guide:

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
No Video Output	<ul style="list-style-type: none"> ◦ Ensure all HDMI cables are securely connected. ◦ Try a different HDMI cable. ◦ Verify the TV/display is set to the correct HDMI input. ◦ Bypass the extractor to test if the source and display work directly.
No Audio Output	<ul style="list-style-type: none"> ◦ Check all audio cables (Optical, L/R) are securely connected. ◦ Ensure your audio receiver/soundbar is set to the correct input. ◦ Adjust the Audio Mode Switch on the extractor (try Bitstream for multi-channel, LPCM 2CH for stereo). ◦ Verify the volume on your audio system is not muted or too low. ◦ Some source devices require specific audio output settings (e.g., PCM, Bitstream). Check your source device's audio settings.
Power LED is Off	<ul style="list-style-type: none"> ◦ Ensure the power adapter is securely connected to the extractor and a working power outlet. ◦ Try a different power outlet. ◦ If the power adapter fails repeatedly (as noted in some user reviews), contact customer support for a replacement.
Intermittent Audio/Video	<ul style="list-style-type: none"> ◦ Check for loose cable connections. ◦ Ensure the power supply is stable. ◦ Try shorter, high-quality HDMI cables.

9. SPECIFICATIONS

Key technical specifications for the NEDIS VEXT3470AT HDMI Audio Extractor:

- **Model Number:** VEXT3470AT
- **Brand:** NEDIS
- **Input:** 1x HDMI
- **Output:** 1x HDMI, 1x Optical (Toslink), 1x L/R Stereo (RCA)
- **HDMI Version:** Compatible with HDMI 2.0 (implied by 4K2K support in product name)
- **Video Resolution:** Up to 4K (4K2K)
- **3D Support:** Yes
- **Audio Formats:** LPCM 2.0, Bitstream (Dolby Digital, DTS pass-through)
- **Power Supply:** 5V DC (via included adapter)
- **Dimensions (L x W x H):** Approximately 7.7 x 6.4 x 2.3 cm
- **Weight:** 240 Grams

- **Color:** Anthracite (Black)
- **Country of Origin:** China

10. WARRANTY AND SUPPORT

NEDIS products are manufactured to high quality standards. In the unlikely event of a defect during the warranty period, please contact your retailer for support. The warranty period is subject to local consumer laws and regulations.

For technical assistance or further inquiries, please refer to the support information provided by your retailer or visit the official NEDIS website.