

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [FeinTech](#) /

> [FeinTech AX310 HDMI 2.1 Audio Extractor User Manual](#)

## FeinTech AX310

# FeinTech AX310 HDMI 2.1 Audio Extractor User Manual

Model: AX310 | Brand: FeinTech

## 1. INTRODUCTION

The FeinTech AX310 is an advanced HDMI 2.1 audio extractor designed to provide flexible audio routing for your home theater system. It allows you to separate the audio signal from an HDMI source and send it to an eARC/ARC compatible soundbar, while simultaneously passing the video signal to your display (TV, monitor, or projector). This device supports high-resolution video formats up to 8K at 60Hz and 4K at 120Hz, including HDR and Dolby Vision, along with gaming features like Variable Refresh Rate (VRR) and Auto Low Latency Mode (ALLM). It also supports all HDMI eARC audio formats, such as Dolby Atmos, DTS:X, and Dolby True HD. The AX310 is ideal for integrating modern soundbars with displays that lack eARC/ARC functionality or for resolving potential audio delay issues.

## 2. SAFETY INSTRUCTIONS

- Ensure the correct power adapter is used. Using an incorrect power supply may damage the device and void the warranty.
- Do not expose the device to moisture, rain, or extreme temperatures.
- Avoid placing the device near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- Do not disassemble the device. Refer all servicing to qualified service personnel.
- Keep the device away from strong magnetic fields.
- Ensure adequate ventilation around the device to prevent overheating.

## 3. PACKAGE CONTENTS

Please check the package contents upon receipt to ensure all items are present and undamaged:

- FeinTech AX310 HDMI 2.1 Audio Extractor
- Power Adapter (DC 5V)
- User Manual



FeinTech AX310 HDMI 2.1 Audio Extractor with included power adapter and user manual.

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel



Front panel of the FeinTech AX310, showing power indicator, input/output indicators, eARC button, EDID switch, and service port.

- **Power Indicator:** Illuminates when the device is powered on.
- **IN Indicator:** Illuminates when an HDMI source is connected to the IN port.
- **OUT Indicator:** Illuminates when a display is connected to the TV(eARC) OUT port.
- **Soundbar eARC Indicator:** Illuminates when a soundbar is connected to the eARC OUT Soundbar port.
- **eARC Button:** Toggles between audio extraction modes (from source or from TV eARC).
- **EDID Switch (1/0):** Allows manual configuration of EDID settings to control supported audio and video formats.
- **SERVICE Port:** For firmware updates and technical service.

## 4.2 Rear Panel



Rear panel of the FeinTech AX310, displaying HDMI IN, TV(eARC) OUT, Soundbar eARC OUT, and DC 5V power input.

- **IN (Source):** HDMI input for connecting your source device (e.g., PS5, Xbox, PC, Streaming Box).
- **OUT (TV eARC):** HDMI output for connecting to your display (TV, monitor, projector). This port supports eARC/ARC functionality if your display also supports it.
- **eARC OUT (Soundbar):** Dedicated HDMI output for connecting to your eARC/ARC compatible soundbar.
- **DC 5V:** Power input for the included power adapter.

## 5. SETUP AND CONNECTION

Follow these steps to connect your FeinTech AX310 audio extractor:

1. **Connect HDMI Source:** Connect an HDMI cable from your source device (e.g., gaming console, streaming box, Blu-ray player, PC) to the **IN (Source)** port on the AX310.
2. **Connect Display:** Connect another HDMI cable from the **OUT (TV eARC)** port on the AX310 to an HDMI input on your display (TV, monitor, projector).

3. **Connect Soundbar:** Connect a third HDMI cable from the **eARC OUT (Soundbar)** port on the AX310 to the eARC/ARC input on your soundbar.
4. **Connect Power:** Plug the included DC 5V power adapter into the **DC 5V** port on the AX310, then plug the adapter into a power outlet.
5. **Power On:** Power on all connected devices (source, display, soundbar, and AX310).



Connection diagram showing an HDMI source connected to the AX310, with video routed to a TV and audio to a soundbar.



Example connection diagram with an Xbox console, AX310, TV, and Sonos soundbar.

## 6. OPERATING INSTRUCTIONS

### 6.1 eARC Audio Extraction

The AX310 can extract audio either directly from the HDMI source connected to its IN port or from the audio return channel (eARC/ARC) of your connected TV. Use the **eARC button** on the front panel to switch between these modes. This allows you to ensure your soundbar receives the optimal audio signal, whether it originates from your source device or from smart TV apps.

## 6.2 EDID Management

The **EDID switch (1/0)** on the front panel allows you to manage the Extended Display Identification Data. EDID communicates the display's capabilities (supported resolutions, audio formats) to the source device. Adjusting this switch can help resolve compatibility issues or ensure specific audio/video formats are prioritized. Refer to the detailed EDID settings in the full manual for specific configurations.

## 6.3 HDMI CEC Control

The AX310 supports HDMI Consumer Electronics Control (CEC), which enables connected devices to communicate and control each other. This feature allows you to control your soundbar's volume using your TV remote or source device remote, provided that:

- Your TV supports ARC/eARC and has CEC enabled.
- Your source device (e.g., Apple TV, Fire TV) is capable of directly controlling the soundbar.

If you experience issues with volume control via CEC, especially with soundbars that rely on infrared (IR) for volume, you may need to configure your soundbar to learn IR commands from your TV remote or configure your source device to send IR volume commands. Consult your soundbar's and source device's manuals for specific instructions on IR learning or remote control setup.

## 7. MAINTENANCE

---

To ensure the longevity and optimal performance of your FeinTech AX310, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners, aerosols, or abrasive chemicals, as these can damage the finish or internal components.
- **Ventilation:** Ensure the device is placed in a location with adequate airflow to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Connections:** Periodically check all HDMI and power cable connections to ensure they are secure. Loose connections can lead to signal loss or intermittent issues.

## 8. TROUBLESHOOTING

---

If you encounter issues with your FeinTech AX310, please refer to the following common troubleshooting steps:

- **No Audio Output:**
  - Verify all HDMI cables are securely connected to the correct ports.
  - Ensure your soundbar is powered on and set to the correct HDMI input.
  - Check the **eARC button** setting on the AX310. Try toggling it to switch audio extraction modes.
  - Adjust the **EDID switch** settings. Incorrect EDID can prevent audio formats from being recognized.
  - Confirm your source device and soundbar support the desired audio format (e.g., Dolby Atmos).
- **No Video Output:**
  - Ensure the AX310 is powered on (Power indicator should be lit).
  - Check all HDMI cables for secure connections. Try different HDMI cables if possible.
  - Verify your display is powered on and set to the correct HDMI input.

- Test the source device directly connected to the display to rule out source or display issues.

- **Audio Delay (Lip Sync Issues):**

- While the AX310 is designed to mitigate audio delay, some systems may still require adjustments. Check for audio delay settings on your TV, soundbar, or source device and adjust as needed.
- Ensure the latest firmware is installed on all devices, including the AX310 (if available via the SERVICE port).

- **HDMI CEC Control Not Working:**

- Ensure CEC (often called Anynet+, Bravia Sync, Simplink, etc.) is enabled on your TV and source devices.
- Verify that your TV's ARC/eARC port is being used for the AX310's TV output.
- If your soundbar uses an IR remote for volume, you may need to configure your soundbar to learn the IR codes from your TV remote, or configure your source device (e.g., Apple TV) to send IR volume commands. Refer to your soundbar and source device manuals for IR learning instructions.

## 9. SPECIFICATIONS

<b>Model Number</b>	AX310
<b>Manufacturer</b>	FeinTech
<b>Product Dimensions (L x W x H)</b>	9.5 x 6.8 x 0.1 cm
<b>Weight</b>	180 Grams
<b>HDMI Version</b>	2.1
<b>Video Resolution Support</b>	Up to 8K@60Hz, 4K@120Hz
<b>HDR Support</b>	HDR, Dolby Vision
<b>Gaming Features</b>	VRR, ALLM
<b>Audio Format Support</b>	Dolby Atmos, DTS:X, Dolby True HD, and all HDMI eARC formats
<b>Power Supply</b>	DC 5V
<b>Included Components</b>	HDMI 2.1 Audio Extractor, Power Adapter, User Manual

## 10. WARRANTY AND SUPPORT

### 10.1 Warranty Information

FeinTech products are covered by a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official FeinTech website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

### 10.2 Technical Support

If you require technical assistance or have questions regarding the operation of your FeinTech AX310, please contact FeinTech customer support. Our dedicated team is available to provide expert assistance and ensure your satisfaction.

For support, please visit the official FeinTech website or refer to the contact information provided in your product packaging.

