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**FeinTech VAX04101A**

# FeinTech VAX04101A HDMI eARC Pass Switch 4x1 User Manual

Model: VAX04101A

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your FeinTech VAX04101A HDMI eARC Pass Switch 4x1. This device allows you to connect up to three HDMI sources to a single display (TV or projector) while simultaneously routing audio to an eARC-compatible soundbar. It supports advanced audio formats like Dolby Atmos and high-resolution video up to 4K 60Hz HDR.

## 2. Product Overview

### 2.1 Key Features

- HDMI switch for connecting an HDMI eARC soundbar to 3 HDMI sources and a TV, video projector, or monitor.
- Delivers audio from 3 external media players and from TV (internal tuner or apps) to the soundbar.
- Supports audio formats: Stereo, Dolby Digital, DTS, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, Dolby MAT, DTS-HD, DTS-X, multi-channel PCM up to 7.1.
- Input source switching via button or included infrared remote control.
- Supports HDMI-CEC for player control via TV remote.
- Supports Ultra HD resolution up to 4K 60Hz, HDR10, and Dolby Vision.
- Compatible with any TV or projector with HDMI input, supports HDCP 2.2.
- Ideal for soundbars with HDMI eARC connection (e.g., Sonos Arc / Beam Gen.2, Bose 900, JBL Bar 9.1).
- Suitable for media players like Apple TV, Blu-ray players, Fire TV, Shield TV, Xbox, and PlayStation for uncompressed audio.
- Firmware updatable via USB.

### 2.2 Package Contents

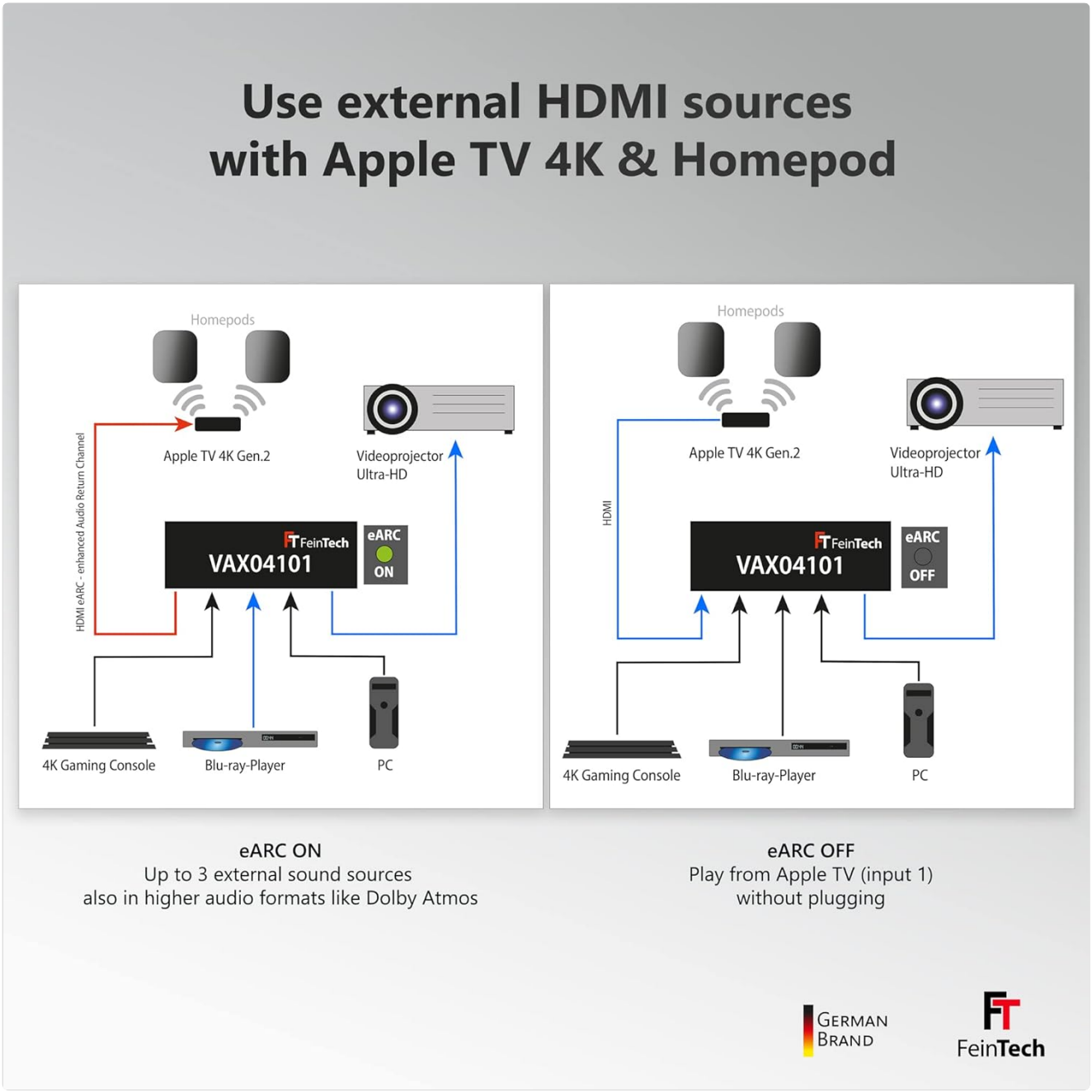


*Image: Contents of the FeinTech VAX04101A package, including the switch, power supply, remote control, user manual, and anti-slip feet.*

The package includes:

- FeinTech VAX04101A HDMI eARC Pass Switch
- Power Supply
- Infrared Remote Control
- User Manual
- Anti-Slip Feet

## 2.3 Device Layout

*Image: Top view of the FeinTech VAX04101A switch and its remote control, showing front panel buttons and indicators.*

The device features:

- **Front Panel:**
  - **HDMI Inputs (1-3):** Indicators for active HDMI sources.
  - **Auto/Input Button:** For manual input selection.
  - **Audio-EDID Buttons (Auto, 2.0, 5.1, 7.1):** To set the desired audio format.
  - **eARC Indicator:** Shows eARC status.
  - **eARC On/Off Button:** To enable or disable eARC functionality.
- **Rear Panel:**

*Image: Rear panel of the FeinTech VAX04101A, displaying HDMI input ports, HDMI output to TV, HDMI ARC to Soundbar, USB port, and DC 5V power input.*

- **HDMI Inputs (1, 2, 3):** Connect your HDMI source devices (e.g., Blu-ray player, gaming console, streaming box).
- **HDMI OUT (ARC) to TV:** Connect to your TV or projector's HDMI input.
- **(ARC) to Sound 1:** Connect to your eARC/ARC compatible soundbar.
- **USB:** For firmware updates.
- **DC 5V:** Power input.

## 3. Setup Instructions

Follow these steps to set up your FeinTech VAX04101A HDMI eARC Pass Switch:

### 3.1 Connection Diagram

*Image: A diagram illustrating how to connect HDMI sources (gaming console, Blu-ray player, Apple TV) to the VAX04101A, which then connects to an Ultra-HD TV and an eARC soundbar.*

1. Connect your HDMI source devices (e.g., Blu-ray player, gaming console, streaming box) to the **HDMI Inputs 1, 2, or 3** on the VAX04101A.
2. Connect the **HDMI OUT (ARC) to TV** port of the VAX04101A to an available HDMI input on your TV or projector.
3. Connect the **(ARC) to Sound 1** port of the VAX04101A to the HDMI eARC/ARC input on your soundbar.
4. Connect the provided power supply to the **DC 5V** port on the VAX04101A and then to a power outlet.
5. Ensure all devices are powered on.

**Note:** Use high-quality HDMI cables, especially for 4K HDR signals, to ensure optimal performance and prevent signal loss.

## 3.2 eARC Soundbar Compatibility

*Image: Close-up of the VAX04101A highlighting its compatibility with eARC soundbars like Sonos Arc, Sonos Beam Gen 2, and Bose Soundbar 900.*

The VAX04101A is specifically designed to work with soundbars featuring an HDMI eARC connector. This allows for the transmission of advanced audio formats, including Dolby Atmos, directly from your sources to the soundbar, bypassing potential limitations of your TV.

## 4. Operating Instructions

### 4.1 Switching Input Sources

You can switch between connected HDMI sources using either the button on the device or the included infrared remote control.

- **Manual Switching:** Press the "Auto/Input" button on the front panel of the VAX04101A to cycle through the HDMI inputs (1, 2, 3). The corresponding LED will illuminate.
- **Remote Control Switching:** Use the "In1", "In2", "In3" buttons on the remote control to directly select the desired HDMI input. The "Auto Source" button can also be used for automatic switching.

- **Automatic Switching:** The switch can automatically switch to the last activated device if it powers off completely. Note that some streaming boxes may not fully power off, requiring manual selection.

## 4.2 Audio EDID Settings

The Audio-EDID settings determine the maximum audio format transmitted to your soundbar. This is crucial for ensuring your soundbar receives the highest quality audio it supports.

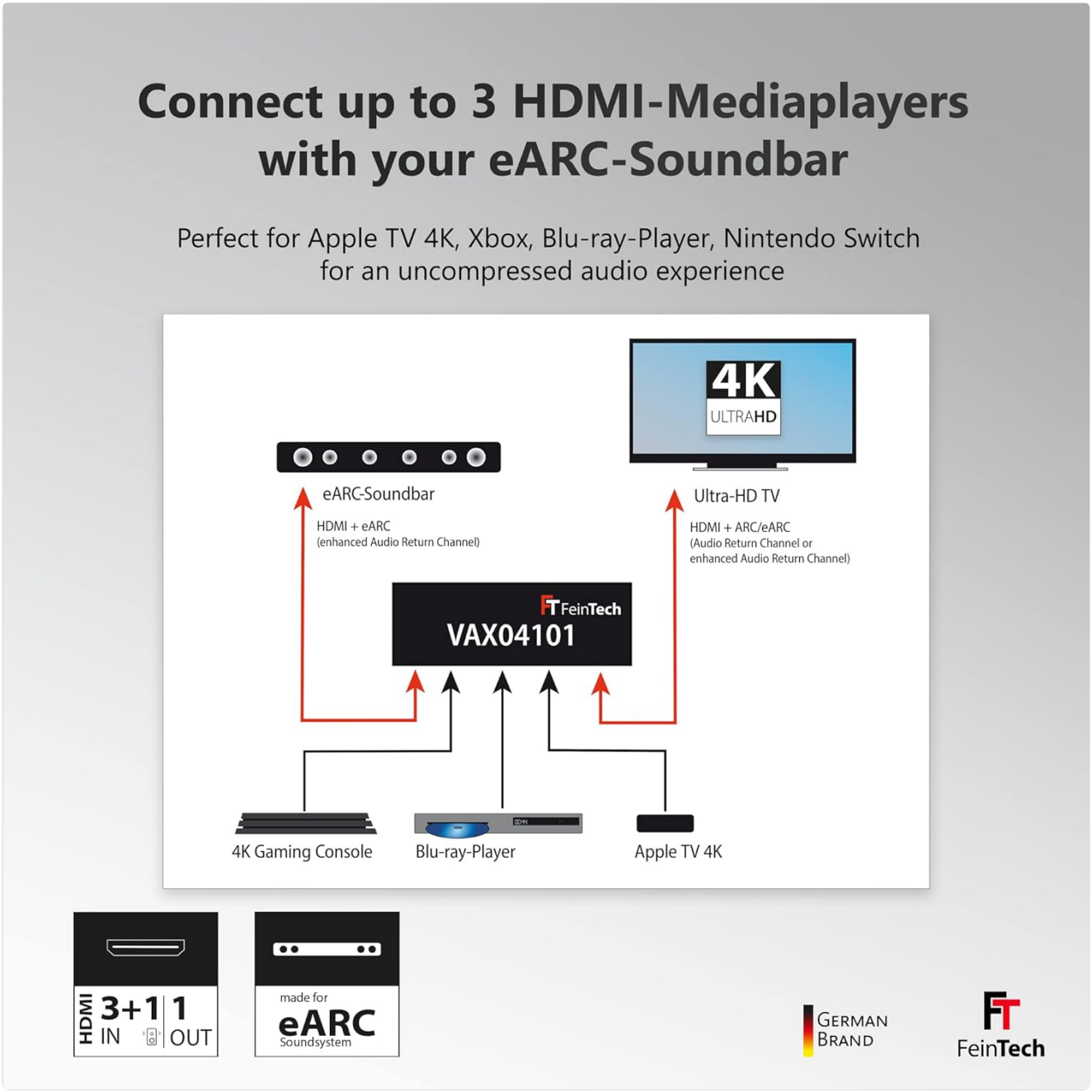


*Image: The VAX04101A front panel showing Audio-EDID settings (Auto, 2.0, 5.1, 7.1) and indicators for 4K, HDR, and Dolby Vision support.*

- **Auto:** The switch negotiates the audio format based on the capabilities of your TV or video projector. This may limit advanced formats if your TV does not support them.
- **2.0:** Forces stereo audio output.
- **5.1:** Forces 5.1 channel audio output. Select this if your soundbar supports 5.1 but not 7.1 or Dolby Atmos/DTS-X.
- **7.1:** Forces 7.1 channel audio output. Select this if your soundbar supports Dolby Atmos or DTS-X, as these formats are often transmitted within a 7.1 LPCM container.

Use the "Audio-EDID" buttons on the front panel or the remote control to select the appropriate setting. For optimal Dolby Atmos/DTS-X experience, select "7.1" if your soundbar supports it.

### 4.3 eARC Functionality

The eARC feature allows the sound from your TV's internal tuner or smart apps to be played through your connected soundbar.

*Image: A diagram illustrating how the VAX04101A transmits internal TV sound (from cable TV, satellite TV, or smart TV apps) to the soundbar via the ARC connection.*

- To enable or disable eARC, press the "eARC on/off" button on the front panel or the "ARC" button on the remote control.
- When eARC is active, audio from your TV's internal sources will be routed to the soundbar.
- If your soundbar has additional HDMI inputs, you can connect sources directly to the soundbar and use the VAX04101A for other sources. In this scenario, ensure input 1 and eARC are selected on the switch.

*Image: A comparison diagram showing the setup with eARC ON (up to 3 external sound sources with higher audio formats like Dolby Atmos) versus eARC OFF (playing from Apple TV input 1 without plugging).*

## 5. Troubleshooting

If you encounter issues with your FeinTech VAX04101A, please refer to the following common solutions:

| Problem | Possible Cause / Solution |
| --- | --- |
| No video output to TV/projector. | • Ensure all HDMI cables are securely connected.<br>• Verify the correct input is selected on the VAX04101A and on your TV/projector.<br>• Check if the power adapter is correctly connected and the device is powered on.<br>• Try connecting the source directly to the TV to rule out cable or source issues.<br>• Ensure your TV/projector supports the resolution and refresh rate being output by the source. |

| Problem | Possible Cause / Solution |
| --- | --- |
| No audio output to soundbar. | • Ensure the HDMI cable from the VAX04101A's "(ARC) to Sound 1" port is connected to your soundbar's eARC/ARC input.<br>• Verify the soundbar is set to the correct input.<br>• Check the Audio-EDID setting on the VAX04101A. Try "Auto" or "7.1" for advanced formats.<br>• Ensure eARC is enabled on the VAX04101A and on your TV (if using TV's internal audio).<br>• Confirm your soundbar supports the audio format being sent. |
| Remote control not working. | • Check if the battery in the remote control needs replacement.<br>• Ensure there are no obstructions between the remote and the VAX04101A's IR receiver.<br>• Point the remote directly at the front of the switch. |
| Intermittent video/audio. | • Use certified high-speed HDMI cables, especially for 4K HDR content.<br>• Ensure cable lengths are appropriate and not excessively long.<br>• Check for electromagnetic interference from other devices.<br>• Restart all connected devices (source, VAX04101A, TV, soundbar). |

## 6. Specifications

| Feature | Detail |
| --- | --- |
| Model | VAX04101A |
| Brand | FeinTech |
| HDMI Inputs | 3 |
| HDMI Outputs | 1 (to TV/Projector), 1 (to Soundbar eARC/ARC) |
| Video Resolution | Up to 4K @ 60Hz |
| HDR Support | HDR10, HLG-HDR, Dolby Vision |
| HDCP Compliance | HDCP 2.2 |
| Audio Formats | Stereo, Dolby Digital, DTS, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, Dolby MAT, DTS-HD, DTS-X, multi-channel PCM up to 7.1 |
| Control | Front panel buttons, IR remote control, HDMI-CEC |

| Feature | Detail |
|---|---|
| Firmware Update | Via USB port |
| Power Supply | DC 5V |
| Product Dimensions | 18.2 x 8.5 x 1.6 cm |
| Weight | 500 g |

## 7. Maintenance

To ensure the longevity and optimal performance of your FeinTech VAX04101A, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols, as they may damage the casing or internal components.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Power:** Disconnect the power adapter during lightning storms or when the device is unused for extended periods.
- **Firmware Updates:** Periodically check the FeinTech website for available firmware updates. Updates can improve performance, add features, or resolve known issues. Follow the instructions provided with the firmware update carefully.

## 8. Warranty and Support

FeinTech products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official FeinTech website. For technical support, troubleshooting assistance, or inquiries about your VAX04101A, please contact FeinTech customer service through their official channels.
Please retain your proof of purchase for warranty claims.

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For more information, visit www.feintech.eu

**Related Documents - VAX04101A**

| | |
|---|---|
| | [FeinTech VAX04101 HDMI eARC Pass Switch 4x1 - Manual and Technical Information]<br>This document provides comprehensive instructions and technical information for the FeinTech VAX04101 HDMI eARC Pass Switch 4x1. Learn about its features, installation, operation, troubleshooting, and specifications. |
| | [FeinTech AX340 HDMI 2.1 eARC Pass Switch 4x1 - User Manual and Specifications]<br>Comprehensive user manual and technical specifications for the FeinTech AX340 HDMI 2.1 eARC Pass Switch 4x1. Learn about its features, installation, operation, safety, and connectivity for 8K Ultra-HD and eARC soundbars. |
| | [FeinTech VAX04101 HDMI eARC Pass Switch 4x1: User Manual & Setup Guide]<br>Comprehensive user manual and setup guide for the FeinTech VAX04101 HDMI eARC Pass Switch 4x1. Learn about installation, connections, audio formats, and troubleshooting for 4K HDR home theater systems. |
| | [FeinTech VAX04201 HDMI eARC Pass Matrix Switch 4x2 Bedienungsanleitung]<br>Umfassende Bedienungsanleitung und technische Informationen für den FeinTech VAX04201 HDMI eARC Pass Matrix Switch 4x2, einschließlich Funktionen, Installation, Bedienung, Fehlerbehebung und Spezifikationen. |
| | [FeinTech AX420 HDMI eARC Switch: User Manual and Technical Information]<br>Comprehensive guide to the FeinTech AX420 HDMI eARC Switch, detailing its functions, installation, operation, and specifications for connecting a soundbar to two TVs. |
| | [FeinTech AX310 HDMI 2.1 Audio Extractor (eARC) - User Manual]<br>Comprehensive user manual for the FeinTech AX310 HDMI 2.1 Audio Extractor, detailing its functions, installation, operation, EDID management, troubleshooting, and specifications for 8K Ultra-HD audio extraction. |