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Marmitek DA21

Marmitek Connect DA21 Digital to Analog Audio Converter User Manual

1. INTRODUCTION

The Marmitek Connect DA21 is a digital to analog audio converter designed to transform digital audio signals from sources such as televisions, game consoles, or media players into analog stereo audio. This allows you to connect modern digital audio devices to older analog audio systems, amplifiers, or headphones. It supports both optical (Toslink/SPDIF) and coaxial digital audio inputs and outputs analog stereo audio via RCA connectors. The integrated Wolfson DAC technology ensures high-quality sound reproduction.

2. SAFETY INSTRUCTIONS

- Do not expose the device to rain, moisture, or extreme temperatures.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not open the casing of the device. There are no user-serviceable parts inside.
- Use only the provided power adapter or one with identical specifications.
- Keep the device away from children.
- Disconnect the power adapter during lightning storms or when unused for long periods.

3. PACKAGE CONTENTS

Please check the packaging for the following items:

- Marmitek Connect DA21 Digital to Analog Audio Converter
- Power Adapter (DC 5V)
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the various ports and controls on the Connect DA21.



Figure 1: Overview of the Marmitek Connect DA21 with labeled ports and dimensions. The device measures 81mm in length, 51mm in width, and 23mm in height. It features an Optical Input, Coaxial Input, DC 5V power input, and L/R Audio Output (RCA).

- **Optical Input:** For connecting digital audio sources via Toslink/SPDIF cable.
- **Coaxial Input:** For connecting digital audio sources via coaxial cable.
- **Input Selector Switch:** Toggles between Coaxial and Optical input.
- **L/R Audio Output:** RCA connectors for analog stereo audio output.
- **DC 5V:** Power input for the included power adapter.

5. SETUP

Follow these steps to set up your Marmitek Connect DA21:

1. Connect Digital Audio Input:

Connect your digital audio source (e.g., TV, Blu-ray player, game console) to either the **Optical Input** or the **Coaxial Input** on the Connect DA21 using the appropriate cable (Toslink or coaxial cable, respectively).



Figure 2: Digital audio input side of the Connect DA21, featuring the Optical (Toslink) port and Coaxial port.

2. Connect Analog Audio Output:

Connect the **L/R Audio Output** (RCA) of the Connect DA21 to the analog audio input of your amplifier, stereo system, or powered speakers using an RCA stereo audio cable.



Figure 3: Analog audio output side of the Connect DA21, showing the white (Left) and red (Right) RCA ports.

3. Connect Power:

Plug the included power adapter into the **DC 5V** input port on the Connect DA21, then plug the adapter into a wall outlet.

4. Select Input:

Use the **Input Selector Switch** on the device to choose between the Coaxial or Optical input,

depending on which port your digital audio source is connected to.

6. OPERATING

Once all connections are made and power is supplied, the Connect DA21 will automatically begin converting the selected digital audio signal to analog. Ensure your connected analog audio system is powered on and set to the correct input to hear the audio.

- **Input Selection:** If you have multiple digital sources, use the input selector switch on the Connect DA21 to switch between the optical and coaxial inputs.
- **Audio Format:** The Connect DA21 supports uncompressed digital stereo audio (PCM). Ensure your source device is configured to output PCM stereo audio. Multichannel audio formats (e.g., Dolby Digital, DTS) are not supported and will not produce sound.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are connected securely and are not under strain to prevent damage to the ports or cables.

8. TROUBLESHOOTING

If you encounter issues with your Marmitek Connect DA21, refer to the following common problems and solutions:

- **No Sound:**
 - Ensure the power adapter is securely connected and the device is receiving power.
 - Verify that the digital audio cable (optical or coaxial) is correctly connected to both the source and the Connect DA21.
 - Check that the input selector switch on the Connect DA21 matches the connected digital input.
 - Confirm that your source device is outputting PCM stereo audio. Many devices require you to change the audio output settings from Dolby Digital/DTS to PCM/Stereo.
 - Ensure your analog audio system (amplifier, speakers) is powered on and set to the correct input.
 - Test with different cables if possible.
- **Distorted Sound or Noise:**
 - Check all cable connections for looseness or damage.
 - Ensure the digital audio source is outputting a clean signal.
 - Verify that the sampling rate of the source is within the supported range of the Connect DA21 (up to 192 kHz).
 - Try connecting the power adapter to a different electrical outlet.
- **Device Not Powering On:**
 - Ensure the power adapter is fully plugged into both the device and the wall outlet.
 - Test the wall outlet with another device to confirm it is functional.

- If possible, try a different compatible 5V DC power adapter.

9. SPECIFICATIONS

Brand	Marmitek
Model	Connect DA21
Input	1x Optical (Toslink/SPDIF), 1x Coaxial
Output	2x RCA (L/R Stereo Analog Audio)
DAC Technology	Wolfson DAC
Supported Audio Formats	Uncompressed PCM Stereo Audio
Sampling Rate	8, 32, 44.1, 48, 96, 176.4, 192 kHz
Bit Depth	16 or 24 bits
Number of Channels	2
Material	Plastic
Power Supply	DC 5V (via included power adapter)
Dimensions (L x W x H)	81 mm x 51 mm x 23 mm (approximate)

10. WARRANTY AND SUPPORT

Marmitek products are manufactured to high quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Marmitek website. For technical support or assistance, please contact Marmitek customer service through their official channels.

Availability of spare parts in the EU is typically 1 year from the date of purchase.