DOREMiDi AMC-10

DOREMiDi AMC-10 Audio MIDI Cable User Manual

USB Converter with Sound Card and MIDI Functions

1. INTRODUCTION

The DOREMiDi AMC-10 is a versatile USB converter designed to bridge the gap between your musical instruments and computer. It integrates both sound card and MIDI functions, offering a comprehensive solution for musicians, producers, and audio enthusiasts. This manual provides detailed instructions on how to set up, operate, and maintain your AMC-10 device.

Figure 1.1: DOREMiDi AMC-10 Audio MIDI Cable, showing the main unit with USB and MIDI DIN cables.

2. PRODUCT FEATURES

The AMC-10 offers a robust set of features for seamless audio and MIDI integration:

- USB converter with integrated sound card and MIDI functions.
- Standard MIDI DIN five-pin input and output plugs for broad compatibility.
- Full-speed standard USB-MIDI interface.
- Supports 16 channels of standard MIDI, capable of communicating all standard MIDI commands.
- Adds audio recording and monitoring capabilities.
- Comes with built-in audio effects such as reverb, chorus, and 3D audio.
- Up to 10 adjustable EQ parameters for precise audio shaping.
- Supports MIDI control of effect parameters.

3. PACKAGE CONTENTS

Upon opening the package, please ensure all items are present:

- 1 x DOREMiDi AMC-10 Audio MIDI Cable Unit

4. PRODUCT DIAGRAM AND PARTS IDENTIFICATION

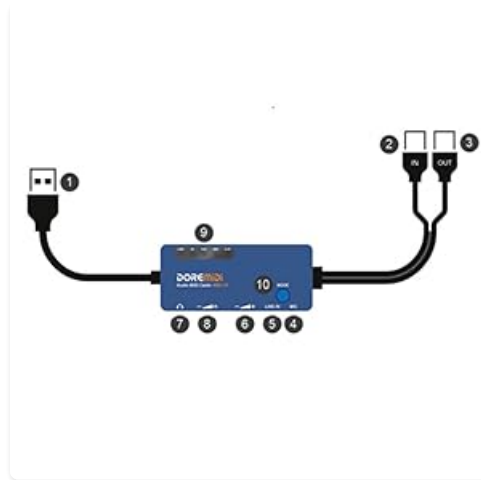Familiarize yourself with the various components and indicators of your AMC-10 unit:

Figure 4.1: Numbered diagram of the DOREMiDi AMC-10 unit.

Key Components:

1. **USB Connector:** Connects to your computer.
2. **MIDI IN Cable:** Connects to the MIDI OUT port of your MIDI device.
3. **MIDI OUT Cable:** Connects to the MIDI IN port of your MIDI device.
4. **MIC Input:** 3.5mm jack for microphone input.
5. **LINE IN Input:** 3.5mm jack for line-level audio input.
6. **LINE IN Volume Control:** Adjusts the input level for LINE IN.
7. **Headphone Output:** 3.5mm jack for headphone monitoring.
8. **Headphone Volume Control:** Adjusts the output level for headphones.
9. **Indicator Lights:** Provide status feedback.
10. **MODE Button:** Used to switch between different operational modes or functions.

Indicator Light Descriptions (Refer to Figure 4.1, item 9):

- **USB:** USB working indicator. This light is always on when successfully connected to the computer and flashes when not connected.
- **IN:** MIDI input indicator. This light flashes when MIDI IN receives MIDI messages. It remains constantly on when the device is in MIDI control audio effect mode.
- **OUT:** MIDI output indicator. This light flashes when MIDI OUT transmits MIDI messages.
- **SIG:** LINE IN audio input indicator. This light illuminates when there is an audio input signal detected on the LINE IN port.
- **CLIP:** LINE IN input overload indicator. This light illuminates when the audio input signal on the LINE IN port is too strong and causing distortion.

Figure 4.2: Close-up view of the AMC-10's control knobs and input/output jacks.

5. SETUP AND CONNECTION

Follow these steps to connect your DOREMiDi AMC-10 to your computer and musical instruments.

5.1 Basic MIDI Connection

1. Connect the USB connector of the AMC-10 to an available USB port on your computer. The USB indicator light on the AMC-10 should illuminate steadily.
2. Connect the MIDI IN cable (labeled 'IN') of the AMC-10 to the MIDI OUT port of your MIDI device (e.g., keyboard, synthesizer).
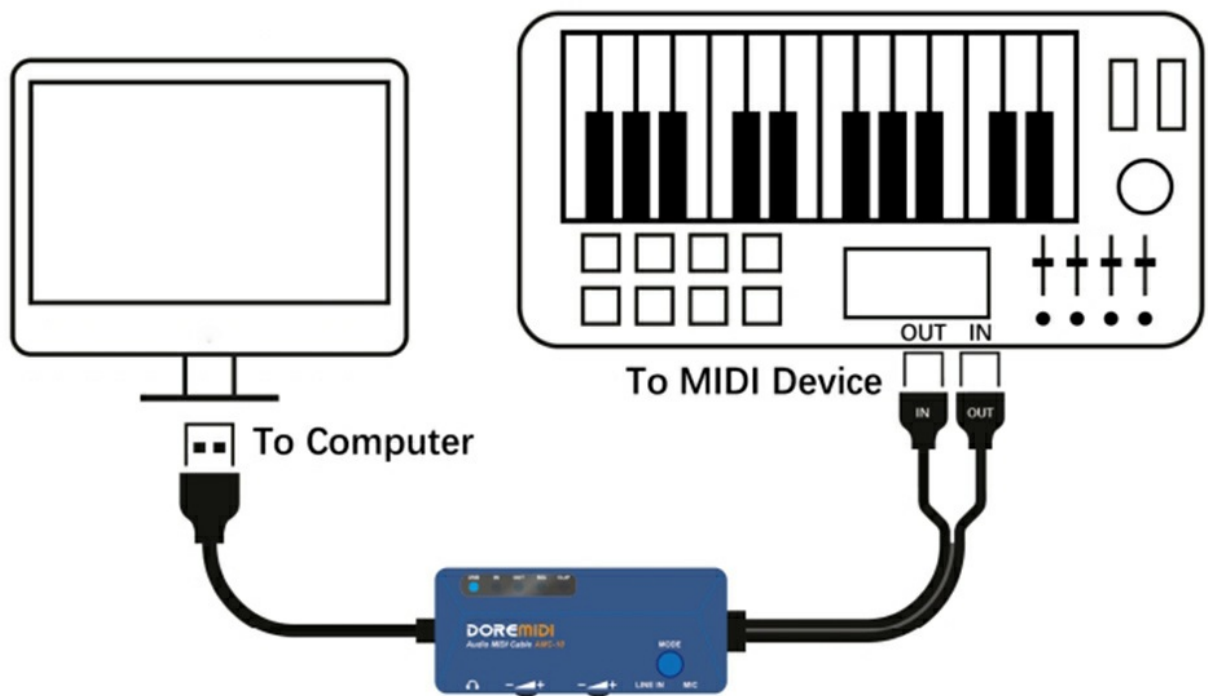3. Connect the MIDI OUT cable (labeled 'OUT') of the AMC-10 to the MIDI IN port of your MIDI device.

Figure 5.1: Basic connection diagram for MIDI devices.

Figure 5.2: Physical connection of the AMC-10 with MIDI cables.

5.2 Advanced Audio Connection

The AMC-10 also functions as a sound card, allowing for audio input and output.

1. To monitor audio, connect your headphones to the 3.5mm headphone output jack on the AMC-10. Adjust the headphone volume using the dedicated knob.

2. For audio input, connect a microphone to the MIC input jack or a line-level audio source (e.g., another instrument, mixer output) to the LINE IN input jack.

3. Adjust the LINE IN volume using its dedicated knob. Monitor the SIG and CLIP indicator lights to ensure optimal input levels without distortion.
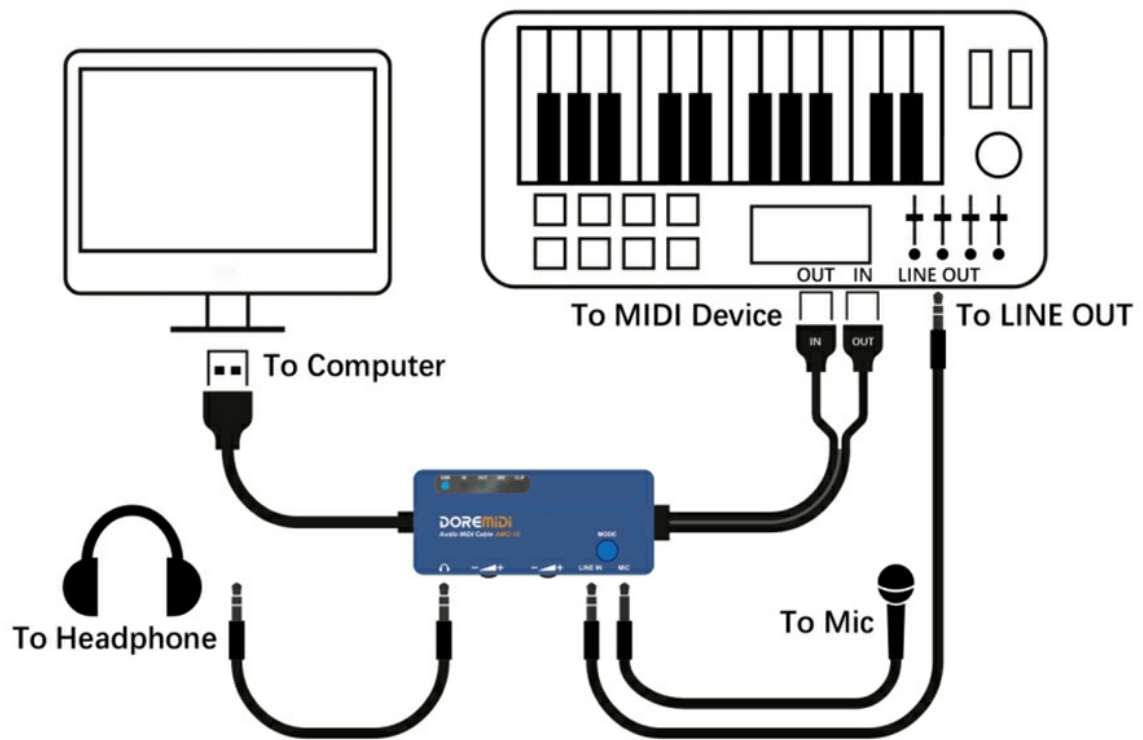
Figure 5.3: Full connection diagram including audio inputs and outputs.

Figure 5.4: Physical connection of the AMC-10 with audio cables.

6. OPERATING INSTRUCTIONS

6.1 MIDI Operation

Once connected, your computer should recognize the AMC-10 as a standard MIDI device. You can then use it with any MIDI-compatible software (DAW, notation software, virtual instruments) to send and receive MIDI messages. The AMC-10 supports 16 MIDI channels and all standard MIDI commands.

- **MIDI Input:** When your MIDI device sends data to the AMC-10, the 'IN' indicator light will flash.
- **MIDI Output:** When your computer software sends MIDI data through the AMC-10 to your MIDI device, the 'OUT' indicator light will flash.

6.2 Audio Operation

The AMC-10 functions as an external sound card. You can select it as your audio input/output device in your computer's sound settings or within your audio software.

- **Audio Recording:** Connect your microphone or line-level source to the AMC-10. Select the AMC-10 as

your input device in your recording software. Monitor the SIG and CLIP lights to prevent clipping.

- **Audio Monitoring:** Connect headphones to the AMC-10's headphone output. Select the AMC-10 as your output device in your software to monitor audio directly through the unit.
- **Built-in Effects:** The AMC-10 includes effects like reverb, chorus, and 3D audio. These effects can be applied to the audio input. Refer to the AMC-10's accompanying software (if applicable) for detailed control over these effects and the 10-band EQ parameters.
- **MIDI Control of Effects:** The AMC-10 supports controlling its audio effect parameters via MIDI messages. Consult your software's MIDI mapping capabilities and the AMC-10's specific MIDI implementation chart (if available) for details.

6.3 MODE Button

The MODE button on the AMC-10 allows for switching between different operational modes or accessing specific functions. Please refer to the latest software documentation or DOREMiDi's official website for detailed information on the MODE button's functionality and available modes, as these may be updated.

7. MAINTENANCE

To ensure the longevity and optimal performance of your DOREMiDi AMC-10:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and humidity.
- Avoid bending or kinking the cables excessively, as this can damage the internal wiring.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel if issues arise.

8. TROUBLESHOOTING

If you encounter issues with your DOREMiDi AMC-10, please refer to the following common troubleshooting steps:

- **Device Not Recognized by Computer:**
  - Ensure the USB cable is securely connected to both the AMC-10 and your computer.
  - Try connecting the AMC-10 to a different USB port on your computer.
  - Restart your computer.
  - Check your computer's Device Manager (Windows) or System Information (macOS) to see if the device is listed. You may need to manually update or install drivers. Visit the DOREMiDi official website for the latest drivers and software.
  - If using a USB hub, try connecting directly to the computer's USB port.

- **No MIDI Signal:**
  - Verify that the MIDI IN/OUT cables are connected correctly (AMC-10 IN to MIDI device OUT, AMC-10 OUT to MIDI device IN).
  - Ensure your MIDI device is powered on and sending/receiving MIDI data.
  - Check your software's MIDI settings to ensure the AMC-10 is selected as the input/output device and that MIDI channels are correctly configured.
  - Observe the 'IN' and 'OUT' indicator lights on the AMC-10; they should flash when MIDI data is

active.

- **No Audio Input/Output:**

    - Ensure headphones/speakers are connected to the correct output jack and their volume is turned up.
    - Check your computer's sound settings and your audio software to ensure the AMC-10 is selected as the primary audio input/output device.
    - Verify that your microphone or line-level source is properly connected to the AMC-10's input jacks.
    - Adjust the LINE IN volume knob and observe the 'SIG' and 'CLIP' indicator lights. If 'CLIP' lights up, reduce the input volume to prevent distortion.

- **AMC Tool / Companion Software Not Opening:**

    - Ensure the AMC-10 is connected and recognized by your computer before attempting to launch any companion software.
    - Download the latest version of the AMC Tool or any required software from the official DOREMiDi website.
    - Check your operating system's compatibility requirements for the software.
    - Run the software as an administrator (Windows) or grant necessary permissions (macOS).
    - Temporarily disable antivirus or firewall software to see if it's interfering with the application launch.
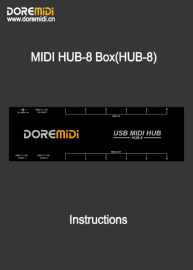
9. SPECIFICATIONS

Feature	Description
Model Number	AMC-10
Brand	DOREMiDi
Connector Type	USB Type A
Cable Type	USB
Compatible Devices	Musical Instrument
Special Feature	Data Transfer, Sound Card, MIDI Interface, Audio Effects
Package Dimensions	3.94 x 1.97 x 1.18 inches
Item Weight	4.59 ounces
Manufacturer	DOREMiDi
First Available Date	November 14, 2024

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official DOREMiDi website. Keep your proof of purchase for any warranty claims. For specific inquiries or issues not covered in this manual, please contact DOREMiDi customer service directly.

Related Documents - AMC-10

	[DOREMIDI HUB-8 MIDI Hub Instructions and Specifications](#) Detailed instructions, appearance guide, connection diagram, product parameters, and troubleshooting for the DOREMIDI HUB-8 USB 3.1 MIDI Hub.
	[DOREMIDI Network MIDI Config: Setup and Troubleshooting Guide](#) A comprehensive guide to setting up and using DOREMIDI Network MIDI devices (MR-1) with Windows, macOS, iOS, and Android. Covers connection, configuration, and common troubleshooting steps.
	[DOREMIDI MPC-10 MIDI Pedal Converter Instructions](#) User manual for the DOREMIDI MPC-10 MIDI Pedal Converter, detailing its features, connections, product parameters, usage steps, pedal types, precautions, and troubleshooting.
	[DOREMiDi UMH-10 USB MIDI Host Box: Instructions and Specifications](#) Comprehensive guide to the DOREMiDi UMH-10 USB MIDI Host Box, detailing its features, parameters, interface connections, and setup for MIDI devices.
	[DOREMIDI UMH-21 High-Speed USB MIDI Host: Instruction Manual](#) User guide for the DOREMIDI UMH-21, a high-speed USB 2.0 MIDI host. Learn about its features, connections, modes, and troubleshooting for seamless MIDI integration.

[DOREMIDI UTD-10 USB to DMX Cable Instructions](#)
Instructions for the DOREMIDI UTD-10 USB to DMX Cable, a high-quality light control converter with DMX and RDM functions. Learn about its appearance, product parameters, connection steps, software settings, and precautions.