DOREMiDi
www.doremidi.cn

Audio MIDI Cable (AMC-10)

Instructions

1. Introduction

The Audio MIDI Cable (AMC-10) is a USB converter that has both sound card and MIDI functions. The AMC-10 has standard MIDI DIN five-pin input and output plugs, as well as a full-speed standard USB-MIDI interface, 16 channels of standard MIDI, and can communicate all standard MIDI commands. In addition, the AMC-10 also adds audio recording and monitoring functions, comes with audio effects such as reverb, chorus, 3D, and up to 10 EQ parameters that can be adjusted, and supports MIDI control of effect parameters.

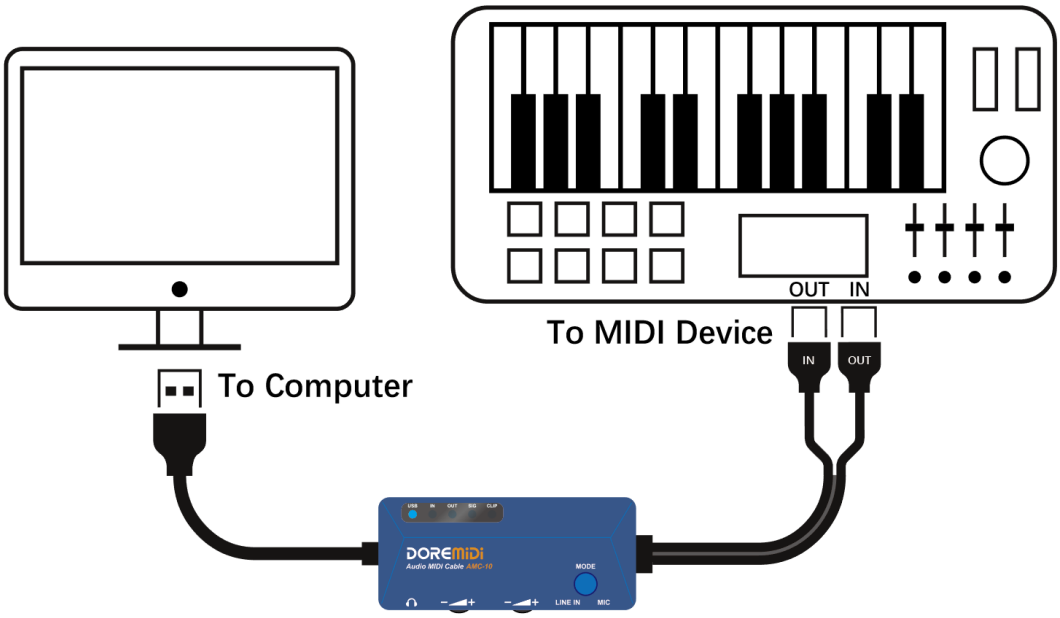
2. Appearance

Name	Description
Model	AMC-10
Length	2 meters
Weight	100g
Power Consumption	About 60mA@5V, powered via USB.
❶USB Plug	Standard full-speed USB port, with USB class compliant, plug and play.
❷MIDI IN	Standard MIDI DIN five-pin input port, with 16 MIDI channels, connected to the MIDI OUT port of a MIDI DIN five-pin device.
❸MIDI OUT	Standard MIDI DIN five-pin output port, with 16 MID channels, connected to the MIDI IN port of a MIDI DIN five-pin device
MIDI Compatibility	Compatible with all instruments with MIDI DIN standard ports.
❹MIC	1/8" mono audio input, supports CD/DVD-quality 16bits, 44.1KHz/48KHz sampling rate.
❺LINE IN	1/8" stereo audio input, supports CD/DVD-quality 16bits, 44.1KHz/48KHz sampling rate.
❻LINE IN volume	Adjust the LINE IN input volume.
❼Headphone	1/8" stereo audio output, recommended to use impedance 16~32Ω headphones.
❽Output volume	Adjust the headphone output volume.
❾Indicator light	USB: USB working indicator, always on when successfully connected to the computer, flashing when not connected.
	IN: MIDI input indicator, flashing when MIDI IN inputs MIDI messages. The indicator light is always on in MIDI control audio effect mode.
	OUT: MIDI output indicator, flashing when MIDI OUT outputs MIDI messages.
	SIG: LINE IN audio input indicator, lights up when there is audio input.
	CLIP: LINE IN input overload indicator, lights up when audio input is distorted.
MODE	Single click: turn on/off the effector, the OUT indicator is always on/off, and the audio output has the effector. Long press: enter the MIDI control effector mode, the IN indicator is always on, and the product can accept the effect of MIDI CC controlling the audio input. **(Note: For audio effector control, please refer to "3.3. Use MIDI to control the effector function".)**
Firmware upgrade	Supports firmware upgrade

3. Steps for usage

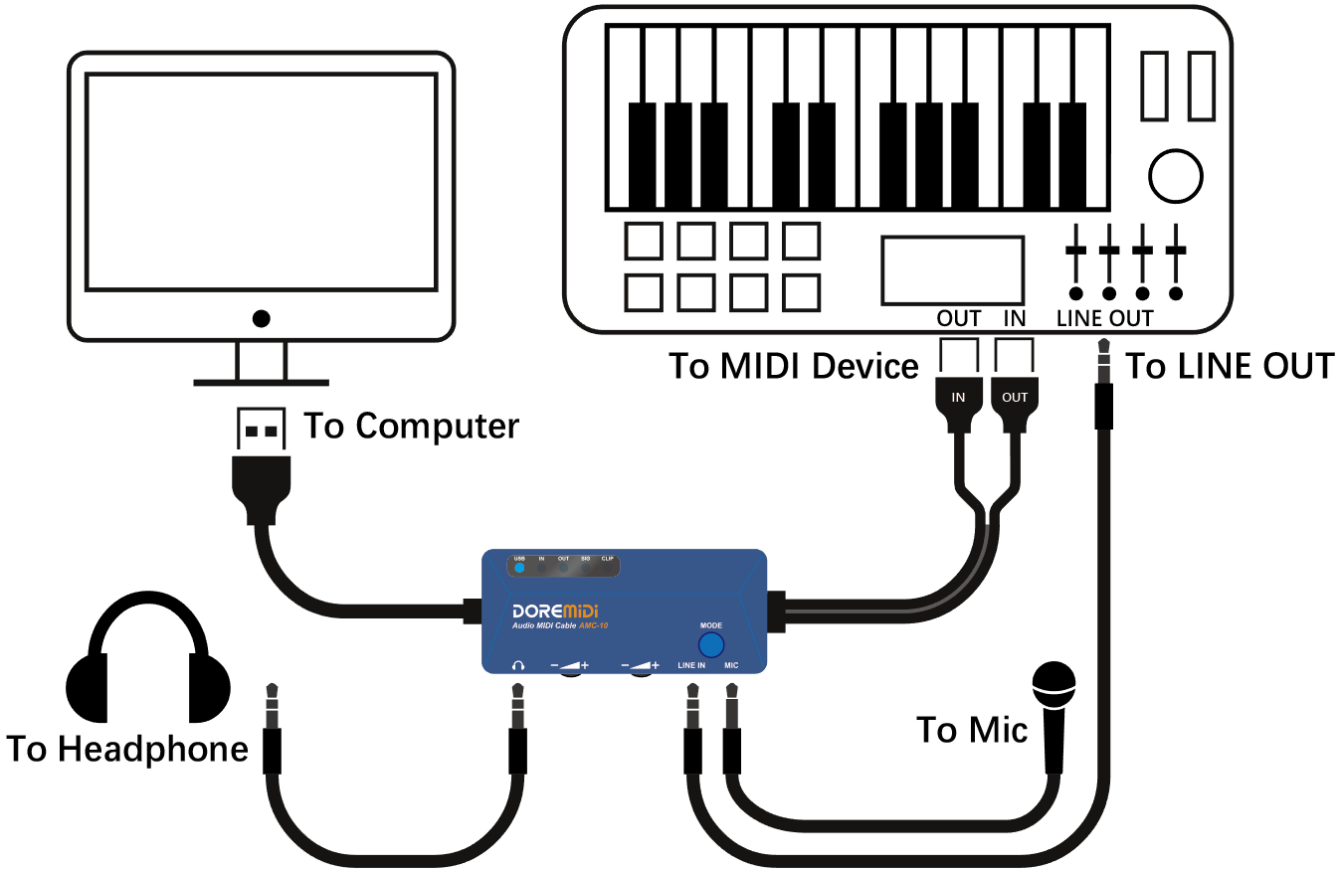
3.1. Use the MIDI to USB function:

- Connect to a computer: Connect the USB plug to the computer. The USB indicator lights up after the connection is successful.
- Connect to a MIDI DIN five-pin device: Connect the IN plug to the OUT port of the MIDI device, and the OUT plug to the IN port of the device.



3.2. Use the audio recording function

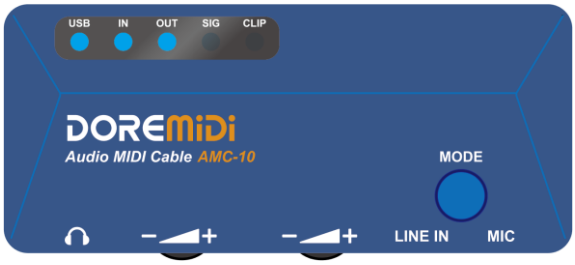
- Connect the audio output of the instrument to the LINE IN port.
- Connect the microphone to the MIC port.
- Connect the USB to the computer and start audio recording on the computer.
- Connect the monitoring headphones to the headphone port to monitor the audio output.



3.3. Use MIDI to control the effects function

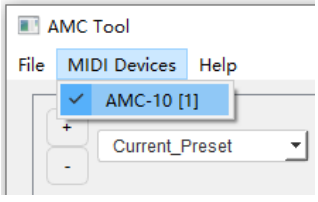
The MIC and LINE IN of AMC-10 can be set with audio effects, including reverb, 3D, EQ, chorus and other effects. Users can control the various effects of AMC-10 through the AMC Tool software. The following is the instructions for use.

- Turn on the MIDI control effects mode: long press the "MODE" button, and the IN indicator lights up. Connect to the computer via the USB plug, and open the software "AMC Tool" to control the various effects parameters of AMC-10.

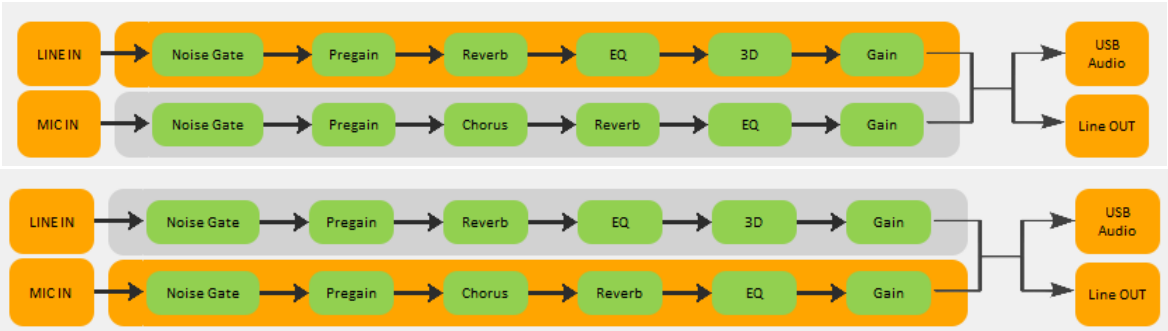


(Note: AMC Tool outputs standard MIDI CC messages. Users can control the various effect parameters of AMC-10 through other MIDI software or by inputting MIDI CC messages through the MIDI IN plug of AMC-10. For details, see "4. MIDI CC Values and Effects")

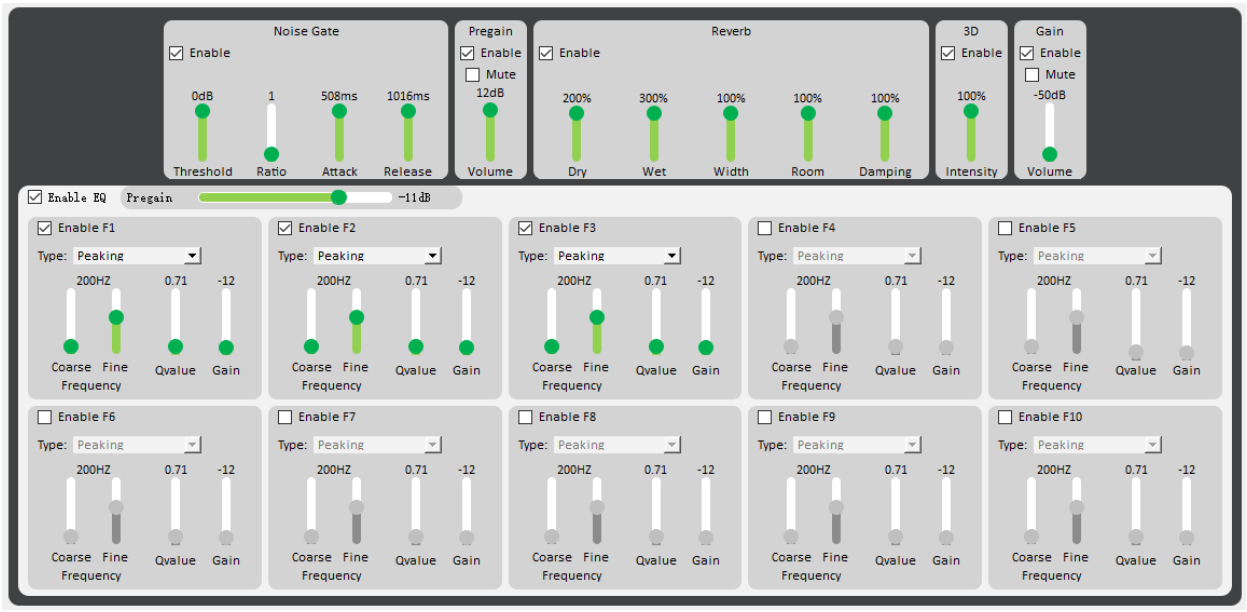
- Connect device: Connect AMC-10 in MIDI Devices. The effect parameter “Current_Preset” will be automatically obtained for the first connection.



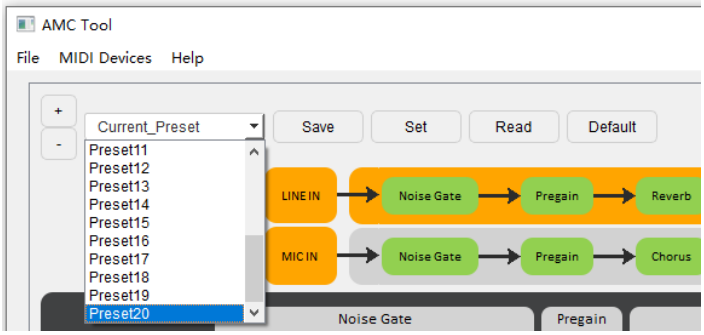
- Select the effector of LINE IN or MIC IN.



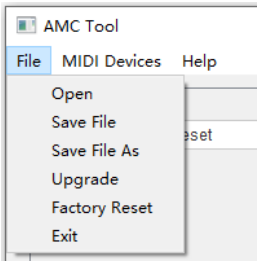
- Set effector parameters: Users can adjust different effector parameters as needed. Each modified parameter will be updated to the product in real time. Click "Set" and the product will save the current effector parameters and use them the next time you start the product.



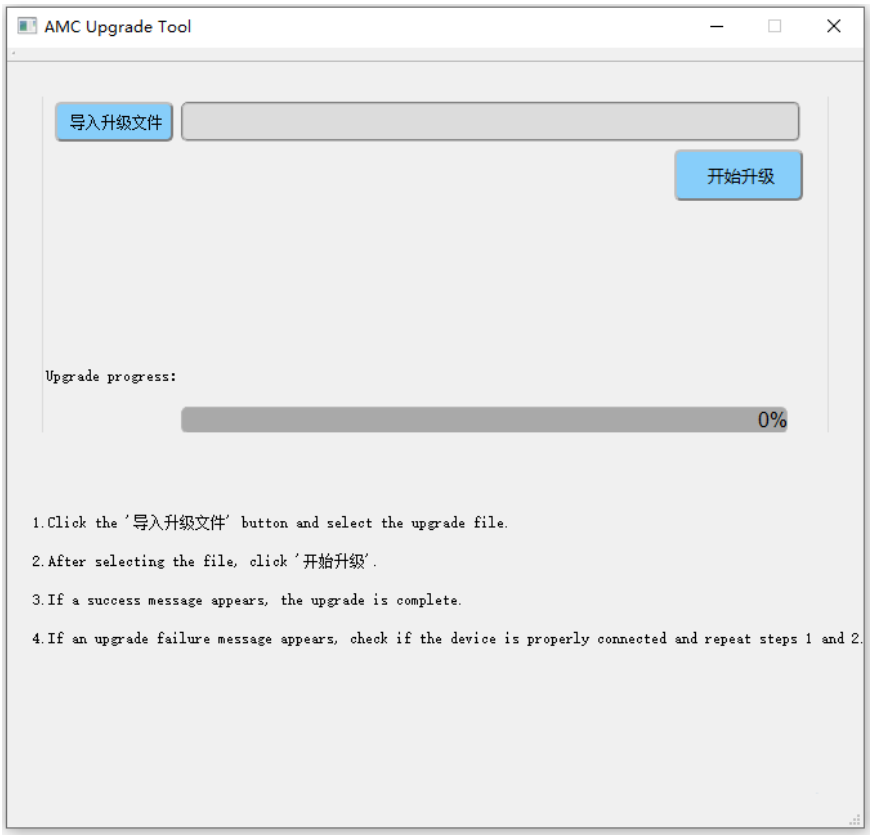
- Select presets. LINE IN and MIC IN each have 20 presets. Users can create different preset effects as needed. Click "Save" to save the current effect parameters and rename the preset name for quick use next time. Click "Default" to restore to the default value.



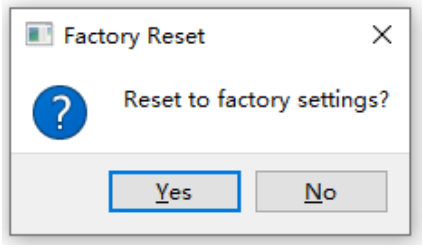
- Open: Open the settings file.
- Save File: Save all current settings (i.e. all LINE IN presets and MIC IN presets) as a file.
- Save File As: Save all current settings as another file.



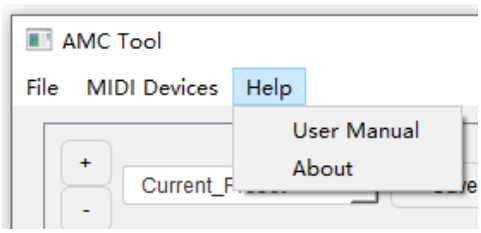
- Upgrade: Firmware upgrade, click “Upgrade” and follow the instructions to upgrade.



- Factory Reset: Select this option to restore the connected product to factory settings.



- User Manual: Click to open the manual.
- About: Click to view software information.



4. MIDI CC Values and Effects

Users can also control the various effect parameters of the AMC-10 through other MIDI software or by inputting MIDI CC ❶ messages through the MIDI IN plug of the AMC-10. The effect parameters of the AMC-10 are controlled by the CC controllers of MIDI channel = 14 (i.e. the 15th channel) and MIDI channel = 15 (i.e. the 16th channel). The CC value corresponds to the effect parameter in proportion, and the specific parameter comparison table is as follows.

No.	Effects	Parameter	CC Controller（CH=14）	CC Controller（CH=15）	CC Value Range	Effect Parameter Range
1	LINE IN ❷ Noise Gate	Enable	/	0	0~1	Open/Close
2		Threshold		1	0~127	-90dB~0dB
3		Ratio		2	0~127	1~128
4		Attack		3	0~127	0~508ms
5		Release		4	0~127	0~1016ms
6	Line IN Pregain	Enable		5	0~1	Open/Close
7		Mute		6	0~1	Open/Close
8		Gain		7	0~127，100 = 0dB	-50~12dB
9	LINE IN Reverb	Enable		8	0~1	Open/Close
10		Dry		9	0~100	0~200%
11		Wet		10	0~100	0~300%
12		Width		11	0~100	0~100%
13		Room		12	0~100	0~100%
14		Damping		13	0~100	0~100%
15	LINE IN 3D	Enable		14	0~1	Open/Close
16		Intensity		15	0~100	0~100%
17	LINE IN Gain	Enable		16	0~1	Open/Close
18		Mute		17	0~1	Open/Close
19		Gain		18	0~127，100 = 0dB	-50~12dB
20	MIC❷ Noise Gate	Enable		19	0~1	Open/Close
21		Threshold		20	0~127	-90dB~0dB
22		Ratio		21	0~127	1~128
23		Attack		22	0~127	0~508ms
24		Release		23	0~127	0~1016ms
25	MIC Gain	Enable		24	0~1	Open/Close
26		Mute		25	0~1	Open/Close
27		Gain		26	0~127，100 = 0dB	-50~12dB
28	MIC Chorus	Enable		27	0~1	Open/Close
29		Dry		32	0~100	0~100%
30		Wet		33	0~100	0~100%
31		Length		28	1~25	1~25ms
32		Rate		30	0~25	0~25
33		Depth		29	0~13	0~13ms
34		FeedBack		31	0~50	0~50%
35	MIC Reverb	Enable		34	0~1	Open/Close
36		Dry		35	0~127	0~200%
37		Wet		36	0~127	0~300%
38		Width		37	0~100	0~100%

39		Room		38	0~100	0~100%
40		Damping		39	0~100	0~100%
41	MIC Gian	Enable		40	0~1	Open/Close
42		Mute		41	0~1	Open/Close
43		Gain		42	0~127，100 = 0dB	-50~12dB
44	Line IN EQ	Enable	0	/	0~1	Open/Close
45		Pregain	1		0~127，100 = 0dB	-96dB~18dB
46		F1_Enable	2		0~1	Open/Close
47		F1_Type	3		0~8	0~8, a total of 9 types
56		F1_Coarse	4		0~127，0 = 24Hz	24~16256Hz
57		F1_Fine	5		0~127	0~127Hz
58		F1_QF	6		0~127	0~30
59		F1_Gain	7		0~127，64 = 0dB	-12~12dB
60		Filter2~10	8~61		Same as above, each EQ is controlled by 8 MIDI CC controllers	Same as above, each EQ consists of 8 parameters
61	MIC EQ	Enable	62		0~1	Open/Close
62		Pregain	63		0~127	-96dB~18dB
63		F1_Enable	64		0~1	Open/Close
64		F1_Type	65		0~8	0~8, a total of 9 types
73		F1_Coarse	66		0~127，0 = 24Hz	24~16256Hz
74		F1_Fine	67		0~127:0~127	0~127Hz
75		F1_QF	68		0~127:0~30	0~30
76		F1_Gain	69		0~127，64 = 0dB	-12~12dB
77		Filter2~10	70~123		Same as above, each EQ is controlled by 8 MIDI CC controllers	Same as above, each EQ consists of 8 parameters
78	System Operation ❸	Save settings	/	125	0~1	0: Save configuration 1: Save completed (return value)
79		Read settings		126	0~1	0: Read configuration 1: Read completed (return value)
80		Restore factory settings		127	0~1	0: Restore to factory 1: Complete (return value)

(Note:

❶MIDI CC refers to the MIDI continuous controller. This part of the control requires certain MIDI knowledge. Please use this function after you are familiar with MIDI control.

❷AMC-10 is divided into two groups of independent effects, LINE IN and MIC IN. The MIDI CC value can be used to adjust each effect parameter in real time.

❸System operation is used to save the effect parameters in AMC-10, so that the configured parameters can be used after AMC-10 is restarted.)

5. Precautions

1) This product contains a circuit board.
2) Rain or immersion in water will cause the product to malfunction.
3) Do not heat, press, or damage internal components.
4) Non-professional maintenance personnel shall not disassemble the product.
5) If the product is disassembled or damaged by improper use, the warranty is not available.

6. Questions & Answers

1) Question: USB cannot connect to computer.
   Answer: AMC-10 is a MIDI device that complies with USB standards. It can be plug-and-play on general computers without installing drivers. If your computer lacks MIDI drivers, please try to install MIDI drivers. Installation method: https://windowsreport.com/install-midi-drivers-pc/

2) Question: MIDI OUT/IN interface does not work.
   Answer: Please check whether the MIDI plug is connected correctly. The IN plug is connected to the MIDI OUT of the instrument, and the OUT plug is connected to the MIDI IN of the instrument.

3) Question: he output audio has no effect function.
   Answer: Press and hold the "MODE" button to make the "IN" indicator always on. Check whether the effect is turned on through "AMC Tool".
4) Question: Can MIDI recording and audio recording be used together?
   Answer: Yes, they can be used together.

5) Question: There is noise in the audio output.
   Answer: Please check whether the power supply of AMC-10 is stable and make sure the input power is clean and without other interference.

   If the problem is not resolved, please contact customer service.

Manufacturer: Shenzhen Huashi Technology Co., Ltd.
Address: Room 910, 9th Floor, Jiayu Building, Songgang Street, Baoan District, Shenzhen, Guangdong, China
Post Code: 518104
Customer Service Email: info@doremidi.cn