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Godox AI2C 2 Channel Audio Interface Instruction Manual

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Thank you for purchasing! The AI2C offers flexible livestreaming and recording capabilities via its two

mic/instrument inputs, analog and digital smartphone I/O. The bus-powered Audio Interface features durable aluminum construction and 24-bit/192kHz high-resolution AD/DA converters, making it sturdy, sonically solid, and convenient.

Feature

- Silicone elastic treatment, resistant to falling and beautiful
- Support 5V/48V condenser microphone
- Built-in 48V phantom power
- USB2.0 transmission
- Support instrument input

Technical Data

Microphone Input

- **Total harmonic distortion plus noise**: <0.0061% (-90dB)
- **Dynamic range**: 101dB (A weighting)
- **Signal to noise ratio**: -94dB (A weighting)
- **Frequency response**: 22Hz to 22kHz (+/-0.1dB)
- **Adjustable gain range**: +34dB
- **Crosstalk**: -87dB @1kHz
- **Input impedance**: Mic in 1.8K Ohms, typical
- **Total gain range**: +50dB

Line output 1/2 (unbalanced)

- **Rated output level**: Unbalanced: +4dBV, typical
- **Load impedance:** 600 Ohm minimum
- **Dynamic range**: 105dB (A weighting)
- **Total harmonic distortion plus noise**: <0.003% (-90 dB)
- **Large output level**: +11dBV, typical
- **Signal-to-noise ratio**: -100dB (A weighting)
- **Frequency response**: 22Hz to 22kHz (+/-0.1dB)
- **Input impedance**: 150 Ohm
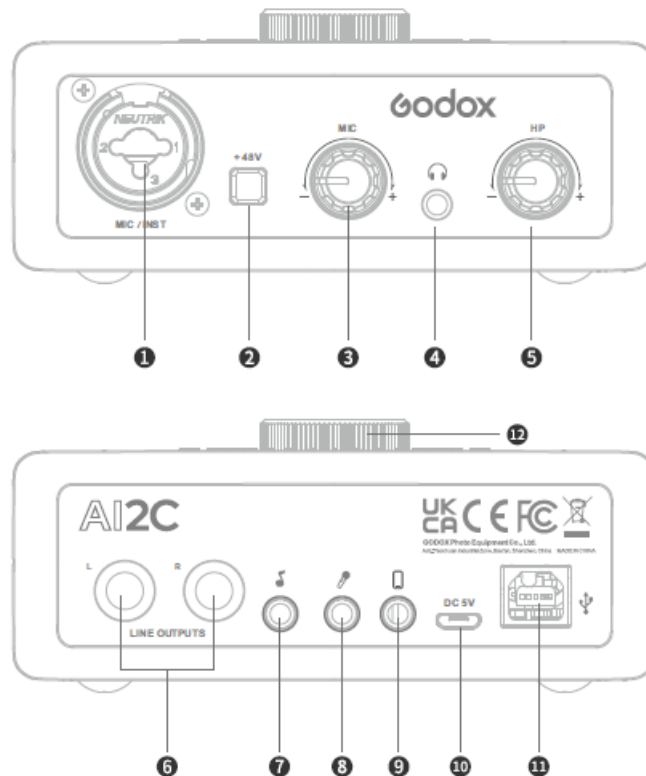- **Crosstalk**: 100dB@1kHz

Headphone output

- **Frequency response**: 22Hz to 22kHz (+/-0.1dB)
- **Load impedance**: 32 to 600 Ohms
- **Signal to noise ratio**: -90dB (A weighting)
- **Total harmonic distortion plus noise**: <0.03% (-70dB)
- **Input impedance**: 75 Ohm

Packing List

- AI2C ×1,
- Micro USB Charging Cable ×1,
- Type B A/M USB Data Cable ×1,
- 3.5mm Audio Cable ×2,
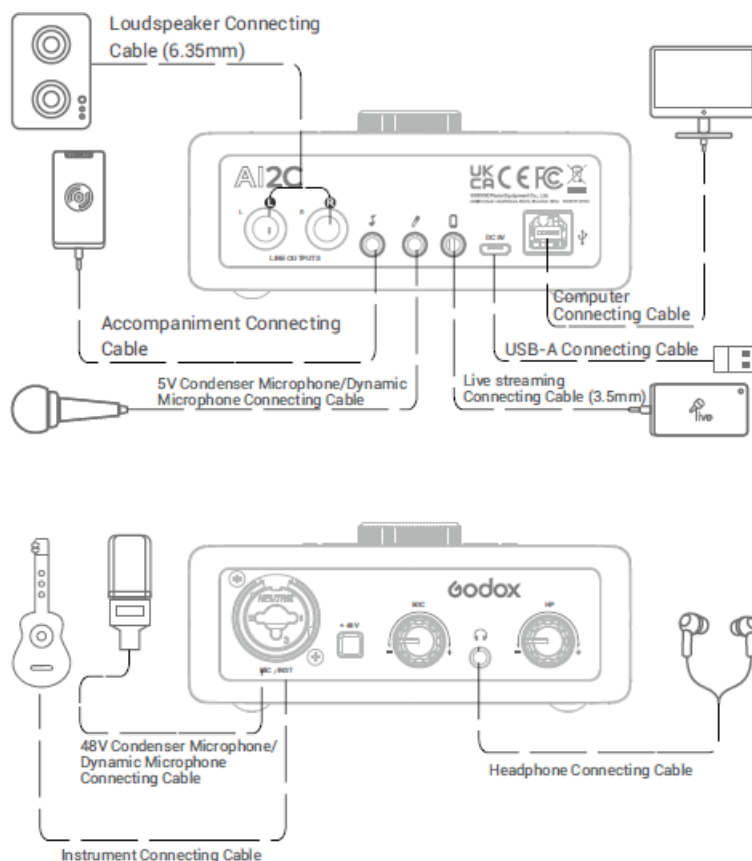- Instruction Manual ×1

Product Structure

1. XLR Interface (MIC/INST) 48V condenser microphone can be connected when 48V power is on, dynamic microphone can be connected when 48V is off; built-in 6.35 interface, can be connected to musical instruments;
2. 48V Power Switch Press to open, bounce to close;
3. MIC Volume Adjustment Knob Turn left to decrease the volume of the microphone while turn right to increase;
4. Headphone Jack Can be connected to various types of headphones (32Ω – 600Ω);
5. Headphone Volume Adjustment Knob Turn left to decrease the volume of the monitor headphone while turn right to increase;
6. LINE OUTPUTS Left/Right Channel Outpt Interface (6.35mm Interface) Can be connected to active speakers;
7. Accompaniment Interface Connect the accompaniment mobile phone through the 3.5mm audio cable equipped;
8. Microphone Interface Can be connected to 3.5mm interface microphones (dynamic microphones and condenser microphones no need power supply);
9. Live Interface Connect to mobile phone through the 3.5mm audio cable equipped;
10. 5V Power Interface When the power supply of the USB interface is insufficient, it is used as a backup/supplementary power supply;

11. USB Interface Power supply and audio communication, connect to a computer as a live broadcast/recording device;

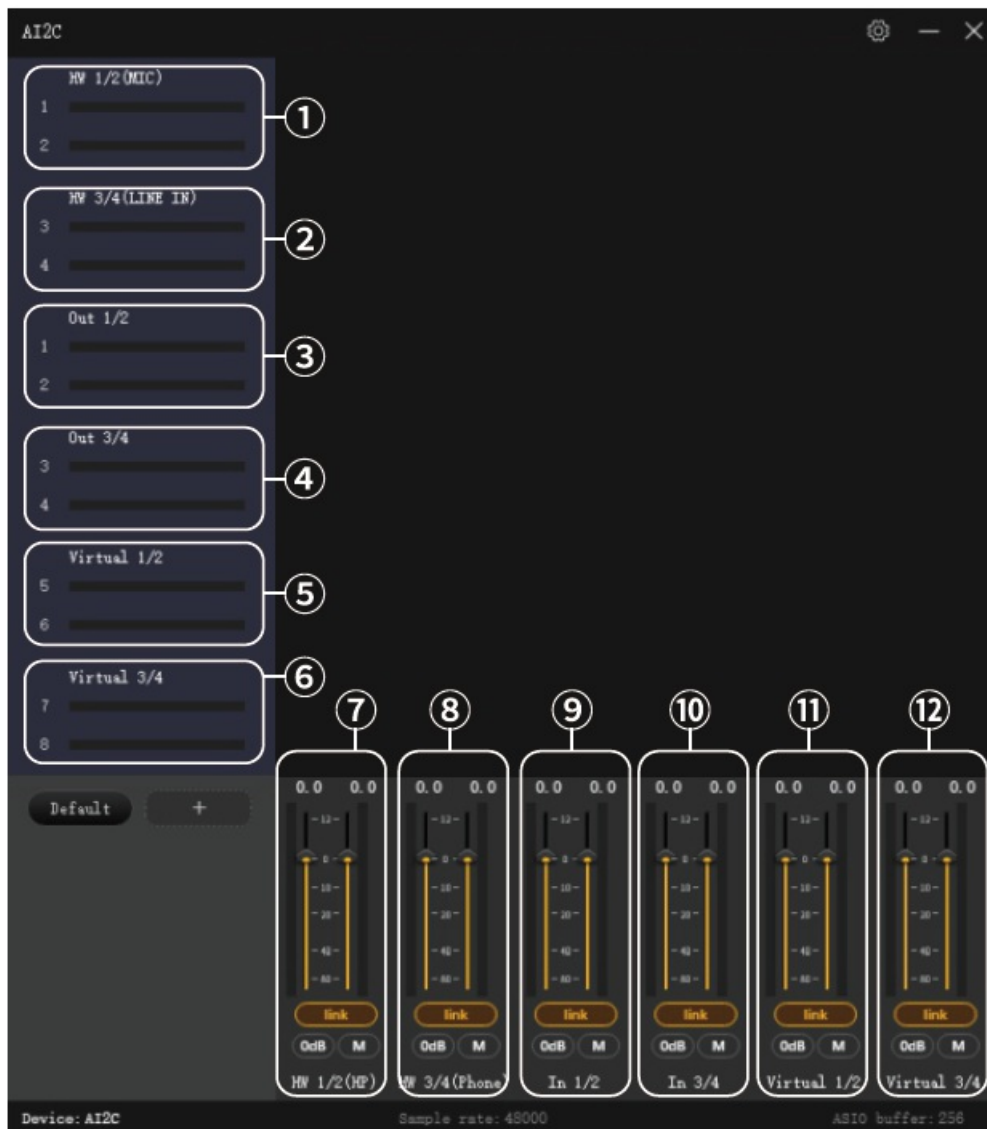12. Live Volume Adjustment Knob Turn left to decrease the live broadcast volume while turn right to increase.

Connecting Instruction

Instruction of Mobilephone Livestreaming

1. Use a Type B A/M USB Data Cable to connect to the computer;
2. Use the 3.5mm audio cable equipped to connect the product with the mobile phone;
3. Insert the headset into the "headphone" jack;
4. Computer to play the accompaniment, and adjust the "microphone" volume and "monitor" volume, so that the microphone and accompaniment volume match;
5. Open the mobile phone livestreaming APP, adjust the total volume of the livestreaming to a suitable level, you can enjoy the fantastic livestreaming experience.

Control Panel Instruction

1. HW1/2 (MIC), the input channel of the Audio Interface driver, the audio comes from the microphone input of the hardware.

2. HW3/4 (LINE IN), the input channel of the Audio Interface driver, the audio comes from the 3.5mm accompaniment input of the hardware and the mixing of the instrument input.

3. Out1/2, the input channel of the Audio Interface driver, the audio data comes from the system playback device AI2C 1/2.

4. Out 3/4, the input channel of the Audio Interface driver, the audio data comes from the system playback device AI2C 3/4.

5. Virtual 1/2, the input channel of the Audio Interface driver, the audio data comes from the system playback device AI2C Virtual 1/2.

6. Virtual 3/4, the input channel of the Audio Interface driver, the audio data comes from the system playback device AI2C Virtual 3/4.

7. HW1/2 (HP), the output channel of the Audio Interface driver, output to the earphone and LINE OUTPUTS interface on the hardware device.

8. HW 3/4 (Phone), the output channel of the Audio Interface driver, output to the mobile phone live interface on the hardware device.

9. In 1/2, the output channel of the Audio Interface driver, output to the system recording device AI2C 1/2.

10. In 3/4, the output channel of the Audio Interface driver, output to the system recording device AI2C 3/4.

11. Virtual 1/2, the output channel of the Audio Interface driver, output to the system recording device AI2C Virtual

1/2.

12. Virtual 3/4, the output channel of the Audio Interface driver, output to the system recording device AI2C Virtual 3/4.

Driver settings

1. Sound card sampling rate setting;
2. ASIO cache setting, the smaller the ASIO cache setting, the higher the requirements for computer performance. When the ASIO buffer is too small, the computer cannot process the audio data in time, and noise will appear. At this time, a larger ASIO buffer should be set;
3. Safe mode. After the safe mode is turned on, the requirements for computer performance can be appropriately reduced, but at the same time it will also increase the delay of ASIO;

Compatible System

- Window 7(32-bit)
- Window 7(64-bit)
- Window 8(32-bit)
- Window 8(64-bit)
- Window 8.1(32-bit)
- Window 8.1(64-bit)
- Window 10(32-bit)
- Window 10(64-bit)

Troubleshooting

1. **No sound from the microphone**
    1. Please check physical connection of the microphone;
    2. Please check whether the 48V phantom power is turned on (in the case of 48V condenser microphones);
    3. Please check if the headphone and microphone volume knobs are in place;
    4. Please check whether the volume of the driver panel is adjusted too low or muted.
2. **Howling from the microphone**
    1. Please check whether the microphone is directly facing the speaker;
    2. Please check whether the microphone is too close to the speaker, and keep the distance between the microphone and the speaker at least 1.5 meters;
    3. Please check whether the microphone gain and earphone gain are too large.
3. **The microphone is noisy**
    1. Please check if the microphone is connected well, or please re-plug it;
    2. Please check if the distance between the microphone and the lips is too close, the distance between the lips and the microphone should be kept at 10-20 mm or at a 45 degree angle, better results can be obtained;
    3. Please check whether the microphone gain is too large, causing the microphone to pick up too sensitively;
    4. Please check whether there are noisy noise sources in the surrounding environment that affect the microphone pickup;
    5. Please check whether there is a "router" or other large electrical equipment causing interference in the surrounding environment.

Maintenance

1. **Use in low temperature and dry environment**
   Keep this product in a dry environment, pay attention to moisture and static electricity, and avoid use in high temperature and high humidity environments;
2. **Regularly clean and maintain it**
   It is recommended to conduct professional cleaning and maintenance on a regular basis;
3. **Storage conditions**
   If not used for a long time, this product must be stored in a dry environment; A moisture-proof storage box with temperature and humidity adjustment functions is preferred.

Warranty

Dear customers, as this warranty card is an important certificate to apply for our maintenance service, please fill in the following form in coordination with the seller and safe-keep it. Thank you!

Product Information	Model	Product Code Number	
Customer Information	Name	Contact Number	
	Address		
Seiter Information	Name		
	Contact Number		
	Address		
	Date of Sale		
Note			

Note: This form shall be naiad by the seller.

Applicable Products

The document applies to the products listed on the Product Maintenance Information (see below for further information). Other products or accessories (e.g. promotional items,giveaways and additional accessories attached.etc.) are not included in this warranty scope.

Warranty Period

The warranty period of products and accessories isimplemented according to the relevant Product Maintenance Information. The warranty period is calculated from the day(purchase date) when the product is bought for the first time.and the purchase date is considered as the date registered onthe warranty card when buying the product.

How to Get the Maintenance Service

If maintenance service is needed, you can directly contact the product distributor or authorized service institutions. You can also contact the Godox after-sale service call and wewill offer you service. When applying for maintenance service, you should provide valid warranty card. If you cannot provide valid warranty card, we may offer you maintenance service once confirmed that the product or accessory is involved in the maintenance scope, but that shall not be considered as our obligation.

Inapplicable Cases

The guarantee and service offered by this document are not applicable in the following cases: The product or accessory has expired its warranty period; Breakage or damage caused by inappropriate usage, maintenance or preservation, such as improper packing, improper usage, improper plugging in/out external equipment, falling off or squeezing by external force, contacting or exposing to the improper temperature, solvent, acid, base, flooding and damp environments, etc; Breakage or damage caused by non-authorized institution or staff in the process of installation, maintenance, alternation, addition and detachment; The original identifying information of product or accessory is modified, alternated, or removed; No valid warranty card; Breakage or damage caused by using illegally authorized, nonstandard or non-public released software;

Breakage or damage caused by force majeure or accident; Breakage or damage that could not be attributed to the product itself. Once met these situations above, you should seek solutions from the related responsible parties and Godox assumes no responsibility. The damage caused by parts, accessories and software that beyond the warranty period or scope is not included in our maintenance scope. The normal discoloration, abrasion and consumption are not the breakage within the maintenance scope

Maintenance and Service Support Information

The warranty period and service types of products are implemented according to the following

Product Maintenance Infomation:

Product Type	Name Maintenance Period(month)		Warranty Service Type
Parts	Product Main Body	12	Customer sends the product to designated site
	Battery		Customer sends the product to designated site
	Charger, Electrical Parts etc.	12	Customer sends the product to designated site
	Battery Case, Windscreen foam, Wind Cap, Locking Device, Lanyard, Tie, Velcro Tape, Clip, Bag, Package etc.	No	Without warranty

Godox After-sale Service Call 0755-29609320-8062

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Documents / Resources

Godox AI2C 2 Channel Audio Interface [pdf] Instruction Manual
AI2C, 2 Channel Audio Interface, AI2C 2 Channel Audio Interface, Audio Interface, Interface

References

- ⊙ **GODOX Photo Equipment Co.,Ltd.**