



**NAJA AS301**  
**Analog Square Pole Microphone**  
**User Manual**

## Caution

To ensure the reliable use of the equipment and the safety of personnel, please observe the following matters during installation, use and maintenance:

1. When installing the equipment, make sure that the ground wire in the power line is well grounded and that the base grounding point is properly connected.
2. Keep the working environment well ventilated so that the heat generated by the equipment at work can be discharged in time to avoid damage to the equipment due to high temperature.
3. Turn off the main power supply of the equipment when it is not in use for an extended period or in a humid and dewy environment.
4. Be sure to unplug the AC power cord of the equipment from the power outlet before the following operations:
  - A. Remove or reinstall any part of the equipment.
  - B. Disconnect or reconnect any electrical plugs or connections to the equipment.
5. Do not disassemble the equipment without permission from professionals to avoid the risk of electric shock. Do not attempt to repair the equipment privately, as this may aggravate the damage.
6. Do not spill any corrosive chemicals or liquids on or near the equipment

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## Chapter 1 Product Introduction

### 1.1 Introduction

This is a desktop microphone with analog interface, XLR analog output interface, powered by 12~52V phantom power. Built-in high-performance embedded CPU, faster processing speed, refined structural design, all-metal microphone pole design, exquisite surface treatment, fully reflecting the exquisite craftsmanship of modern industry. High-fidelity, high-sensitivity microphone, super-cardioid pickup effect, high-quality pickup guarantee, the best pickup distance of 40-80CM, with a charged “hot swap” function, short-circuit protection function and physical on/off switch for microphone.

### 1.2 Product Features

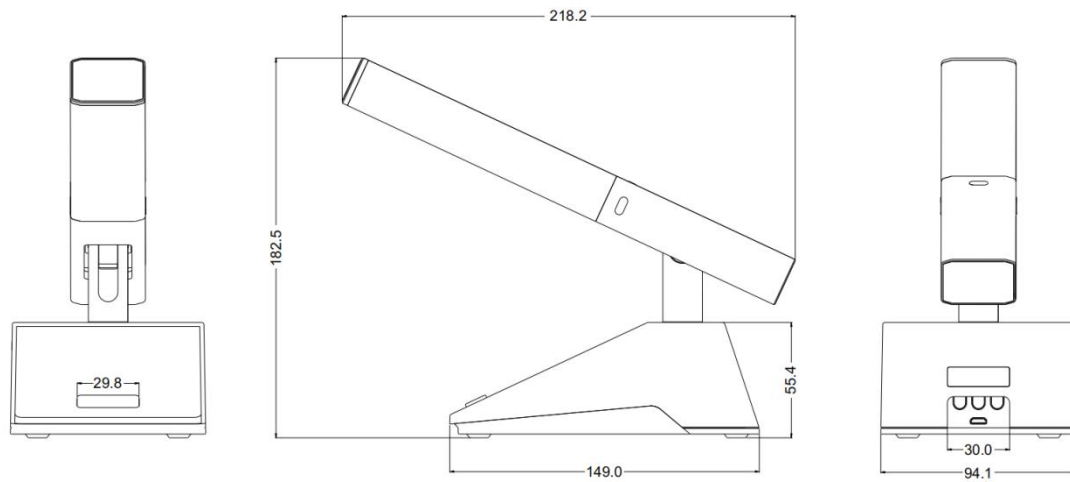
- ✧ High-fidelity Microphone capsule serves as a guarantee for high-quality sound pickup, the microphone is designed with all-metal material.
- ✧ The high-Sensitivity capsule offers Super-cardioid pickup effect, with an optimal pickup distance of 40~80CM.
- ✧ It is equipped with a physical on/off switch for the microphone.
- ✧ The system unit provides a XLR Analog audio output interface.

## Chapter 2 Specifications

Pickup	14 mm capacitive gold-plated diaphragm microphone
Output interface	1 RJ45, transmitting 1 channels of Dante network audio
Directionality	Supercardioid
Frequency Response	20Hz~20kHz; 125(-6dB)-14kHz(-3dB)
Sensitivity	-34dB±2dB

Maximum Sound Pressure Level	110dB (3%T.H.D.@1kHz, 0dBSPL=2x10Pa)
Equivalent Noise Level	<25dBSPL(A)
Signal-to-Noise Ratio	70dB, 1kHz
Overload Harmonic Distortion	<1%
Sampling Rate	48kHz
Bit Depth	24-bit
Operating Temperature and Humidity	0°C ~40°C, 10%~90%RH, No condensation
Network Transmission	Dante IP/AES67/RTP Audio
Dante Device Latency	1、 2 or 5ms (Configurable using Dante Controller)
Power Supply	802.3af、 802.3at Standard POE switch
Maximum Power Consumption	1.5W
Microphone Length	232mm×37mm×25mm
Chassis Dimensions (L×W×H)	149mm×94.1mm×55.4mm
Weight	0.9kg
Package Dimensions (L×W×H)	400mm×160mm×85mm
Package Weight	1.4kg

## Chapter 3 Device Size



## Chapter 4 Description of the use of the interactive interface



- ① Microphone head: Used for picking up sound;
- ② Key switch: Turn on or off the microphone;
- ③ Indicator light: Long light indicates that the microphone is on; no light indicates that the microphone is off;
- ④ XLR analog output connector, via 12~52V phantom power supply.

## Chapter 5 Device Operation

### 5.1 Connecting the device correctly

Phantom power: Turn on phantom power in the access host or access processor, via matrix mixing

### 5.2 Use

After connecting the power, press the switch button, the red indicator light is on, then start to pick up the sound, then press the light off to enter the mute state, realize to turn on or off the microphone.

# Warranty Regulations

The warranty period of this product is 1 year.

In the warranty period of non-man-made damage caused by the product performance failure can enjoy three packages of service.

Warranty card by the sales unit stamped after the effective. The alteration is invalid!

**The following conditions (including, but not limited to, this) are not covered by the three-package service:**

1. No warranty card or missing valid invoice or the date has exceeded the validity period of the three packages of services;
2. Not in accordance with the requirements of the product instructions for use, maintenance, management and damage caused;
3. The product model or code on the warranty voucher does not match the physical goods;
4. Damage caused by the dismantling and repair of non-authorized service providers;
5. Normal discolouration, wear and tear and consumption during the use of the product are not covered by the warranty;
6. The product cannot be used due to the user's own network reasons, please consult customer service staff.





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