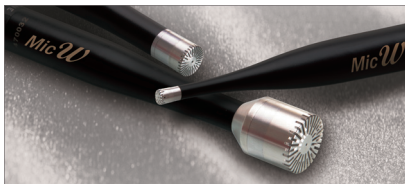




User's Manual



N101

N201

N401

N241

www.mic-w.com

1 INTRODUCTION

Welcome to use *MicW* series professional microphones!

MicW N series have outstanding characteristics that make the microphone a valuable tool in the studio and on the stage.

N101

The *MicW* N101 is an omni directional microphone that uses the large diaphragm capsule with the totally transparent preamplifier. The capsule is designed using stainless-steel housing and 5-micron-thick nickel diaphragm. The diaphragm tension is carefully adjusted during the manufacturing processing to ensure the frequency response from 10 Hz to 20 kHz with a 2-4 dB soft boost around 8 kHz. The N101 offers a totally transparent audio path with an exceptionally low noise floor of maximum 18 dB(A) and a SPL handling capability of 130 dB SPL peak.

N201

The *MicW* N201 is an omni directional microphone that uses the 1/2" capsule with the totally transparent preamplifier. It is suitable for the most critical

recording applications requiring extreme performance and environmental stability. The N201 has the flat frequency response from 20 Hz to 20 kHz, with low noise floor of 18 dB(A).

The N201 has a number of acoustic accessories – nose cone; directional modifiers; protection grids. The acoustic accessories modify the acoustic behaviors of the microphones in terms of directional patterns, low or high frequency responses.

N201 is excellent for: recording drums, guitar, bass, AB stereo pair for symphonic concert hall recordings, percussion and speech/vocals, and so on.

N241

The *MicW* N241 is a reference microphone that uses 1/2" all-metal capsule. It is carefully engineered to give long term reliability and accuracy. The n241 has a linear frequency response up to 40kHz which is achieved by a superior acoustical and mechanical design. The N241 can handle the extreme sound level up to 146 dB. You can close-mike drum, percussion and brass or other powerful sound sources with total accuracy for a clean, undistorted dynamic sound.

The N241 designed according to IEC 61094 standard dimensions. It can

be calibrated by using a Sound Level Calibrator.

N241 is excellent for: recording drums, guitar, bass and high sound level instruments.

N401

The *Mic'U* N401 is a high definition microphone that has frequency response up to 70 kHz. The capsule uses the *Mic'U*'s nickel diaphragm technology that delivers pure sound with no color added.

The N401 is the omni directional microphone whose directional pattern can be altered by the *Mic'U* acoustic modifiers. The acoustics modifiers have diameter of 30, 40, and 50 mm.

The N401 has very high dynamic range. It can handle the sound pressure level up to 160 dB with very low distortions. The N401 is also available in pairs, whose sensitivity and phase are matched within narrow tolerances. N401 can make the test at up to 160 dB. These exceptional characters make N401 the best choice for high frequency and high intensity instruments.

2 SAFETY INSTRUCTION

All N series microphones use pre-polarized capsules which were tested at high temperature and high humidity environment for more than 24 hours before the factory release. The microphones are very stable against temperature and humidity. It is safe to operate the microphones from -20 to 50 C and humidity up to 95%.

The microphone diaphragms are made from very thin metal sheet. It is very easy to damage if you touch the diaphragm by finger. Please do not try to clean the diaphragm. The dusts on the diaphragm will not change the performance of the microphone. If you touch the diaphragm, the performance of the microphone may change.

When you change the microphone grid, please make ensure that you are not touching the diaphragm.



3 POWER SUPPLY

Phantom power (+48 V) is required to operate your microphone. We assume no liability for damage caused to your microphone through defective phantom power. Before activating phantom power, mute your playback system and connect it to the microphone input of your mixing console. After activating phantom power, the microphone requires several seconds to stabilize itself.

4 MATCHED MICROPHONE PAIR

The *MicW* N series is available in stereo kit. Therefore, it is particularly well-suited for stereo recordings. Regardless of whether you are milking an entire ensemble or a single sound source (e.g. drums, piano or background vocals), this microphone lets you achieve outstanding spatial impressions in every recording session.

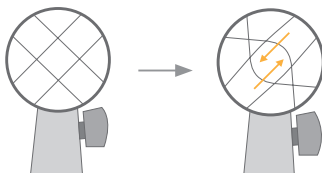
Of course, you can use *MicW* microphone-pair that feature two matched microphones as well. Each pair is guaranteed to the sensitivity match within 0.5 dB and phase match within 5°.

5 MICROPHONE INSTALLATION

First attach the microphone itself then screw a clamp onto the stand.



If the microphone is not stable, you could cross the elastic band to constrict it.



6 AUDIO CONNECTION

To connect the microphone to your equipment, use a balanced XLR microphone cable with the following pin assignment: Pin 1 = shielding, pin 2 = +, pin 3 = -. Since all contact points of the microphone are gold-plated, your microphone cable should feature gold-plated connectors, if possible.

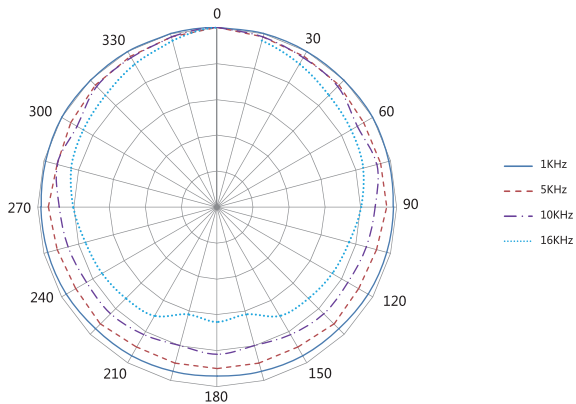
7 FREQUENCY RESPONSE

Each microphone is individually calibrated. The frequency response and sensitivity are given in the calibration chart.

8 DIRECTIONAL CHARACTERISTIC

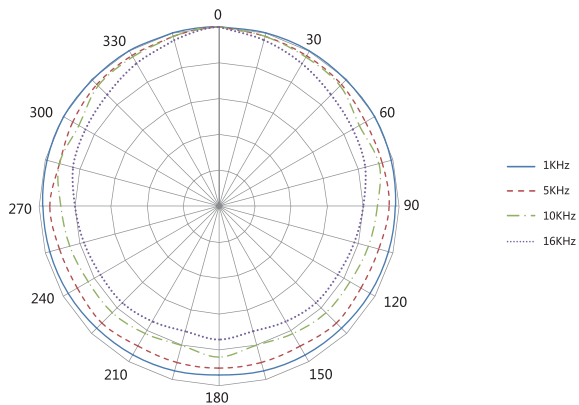
Microphones with Omni polar pattern are most sensitive to sound coming from in each angle of the microphone.

N101



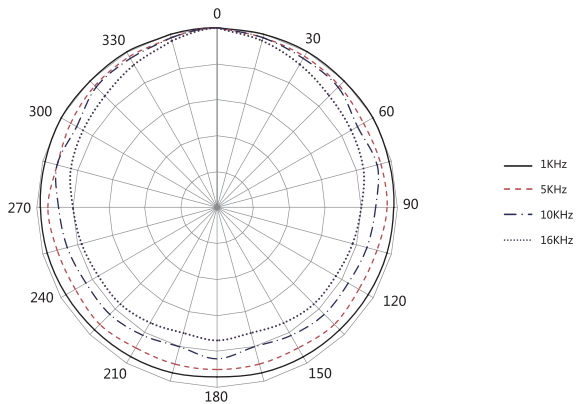
Polar Pattern

N201



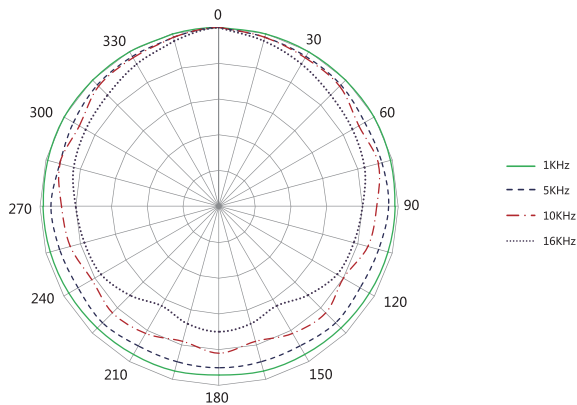
Polar Pattern

N241



Polar Pattern

N401



Polar Pattern

9 SPECIFICATIONS

	N101	N201	N241	N401
Capsule diameter	23.8 mm	12.7 mm	12.7 mm	7 mm
Polar Pattern	Omni			
Principle of operation	Pressure			
Sensitivity (± 2 dB)	40 mV/Pa	40 mV/Pa	8 mV/Pa	4 mV/Pa
Frequency Response	10 Hz ~ 20 kHz	20 Hz ~ 20 kHz	20 Hz ~ 40 kHz	20 Hz ~ 70 kHz
Power Supply	48 V Phantom power			
Total Harmonic Distortion (THD, SPL peak<1%)	130dB	130dB	146dB	160dB
Thermal Noise	<18 dBA	<18 dBA	<30 dBA	<34 dBA
Output Impedance	<200 Ohm	<75 Ohm	<75 Ohm	<75 Ohm
Length	157 mm	155 mm	150 mm	145 mm
Weight	165g	120g	115g	110g
Connector	3-pin XLR			

10 PACKING LIST



Single Microphone Package

- 1 microphone
- 1 PP290—Microphone Holder
- 1 WS051(for N101) —Wind Screen
WS052(for N201 N241) —Wind Screen
WS054(for N401)—Wind Screen
- 1 PB050—Case
- 1 User's manual(with the calibration chart)



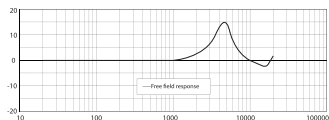
Pair Microphone Package

- 2 microphone
- 2 PP290—Microphone Holder
- 2 WS051(for N101) —Wind Screen
WS052(for N201 N241) —Wind Screen
WS054(for N401)—Wind Screen
- 1 PB060—Case
- 1 User's manual(with the calibration chart)

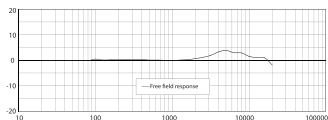


Optional Accessories

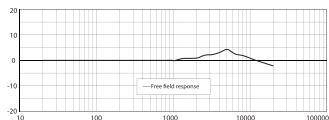
- GD031—Grid (p1)
- GD041—Grid (p2)
- GD051—Grid (p3)
- AM101—Acoustic Equalizers
- AM032—Acoustic Equalizer (p4)
- AM042—Acoustic Equalizer (p5)
- AM052—Acoustic Equalizer (p6)
- SF420—Stereo Fixture



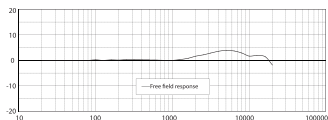
(p1) Frequency Response of GD031 Grid



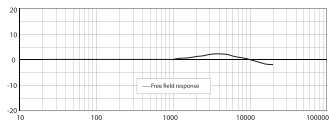
(p4) Frequency Response of AM032 Acoustic Equalizer



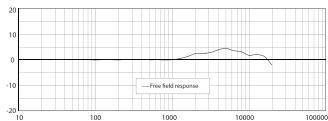
(p2) Frequency Response of GD041 Grid



(p5) Frequency Response of AM042 Acoustic Equalizer



(p3) Frequency Response of GD051 Grid



(p6) Frequency Response of AM052 Acoustic Equalizer

11 WARRANTY POLICY

MicW Audio warrants that its Products will be free from defects in material and workmanship for three (3) years from the date of purchase by the Original Purchaser.

12 CE MARKING



The *MicW* N series microphones conform with the relevant CE mark directives approved by the European commission.



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MicW microphones

Product features and specifications are subject to change without notice.