packaging information	Model: DGM20W Finished size: 85*120MM Material: 80g writing paper, saddle-stitching Printing color: Four colors Version number: V1.0 - 20251114

To get technical support, please scan the QR code

Model : DGM20W
DGM20W S
Product Name : Wireless Mic

Technical support:
support@maono.com
www.maono.com

Made in China

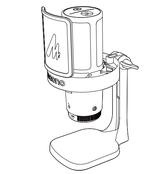
Final clause:
Information and data contained in this manual are subject to change without notice in advance.

EC REP
Company: Zhou's Jade Star UB
Address: Unit 2 Ashbourne Fm 1a16 Pinfolds Twd. self 09 PA2166
E-mail: jadestarcan@gmail.com

UK REP
Company:LEI YINGJUIT 3929043125
Address: Chase Business Centre, 39-41 Chase Side, London N14 5BP United Kingdom
Email: info.jadestarcan@gmail.com
TEL: +447475515246

We frequently update product firmware to improve user experiences and performance.
The status display and operations may be slightly different among different firmware versions.
For latest user manuals, please access on https://www.maono.com

V1.0_20251114



User Manual

DGM20W Wireless Condenser Microphone

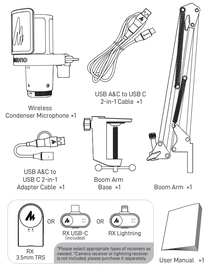
maono | No.1 Best-Selling Internet Microphone Worldwide

maono
No.1 Best-Selling Internet Microphone Worldwide

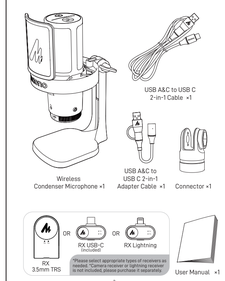
Maono[ˈmanoʊ], meaning "VISION" in Kiswahili, is the No.1 Best-Selling Internet Microphone Worldwide Brand that products are sold well in 153 countries worldwide. With the beautiful vision of becoming a global leading brand of Internet audio products that deliver a pleasant sound experience, Maono is always working with audio professionals, influencers, and users, to make the world's best microphones and audio products.

Packing List

Boom Arm Set

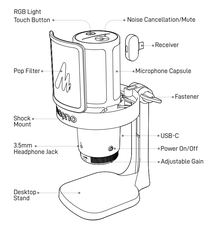


Desktop Stand Set

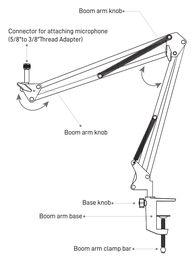


Product Overview

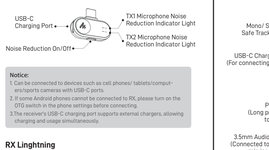
DGM20W Microphone



Match with BA20 Boom Arm

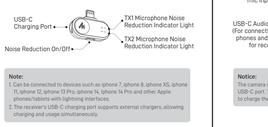


RX USB-C



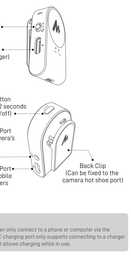
Notice:
1. Can be connected to devices such as cell phones/ tablets/computers/sports cameras with USB-C ports.
2. If some Android phones cannot be connected to RX, please turn on the OTG switch in the phone settings before connecting.
3.The receiver's USB-C charging port supports external chargers, allowing charging and usage simultaneously.

RX Linghtning



Note:
1. Can be connected to devices such as iphone 7, iphone 8, iphone XS, iphone 11, iphone 12, iphone 13 Pro, iphone 14, iphone 14 Pro and other Apple phones/tablets with lightning interfaces.
2. The receiver's USB-C charging port supports external chargers, allowing charging and usage simultaneously.

RX 3.5mm TRS



Notice:
The camera receiver can only connect to a phone or computer via the USB-C port. The USB-C charging port only supports connecting to a charger to charge the RX, and it allows charging while in use.

Product Description

The Maono DGM20W is a new-generation wireless condenser microphone designed for for multiple scenarios. With advanced bidirectional wireless technology, it seamlessly connects to computers, mobile phones, and PlayStation consoles for high-definition audio recording — freeing your desktop from messy cables. Whether you're adjusting the mic position or switching between multiple devices, it consistently delivers clear, stable sound during free, untethered operation. The vibrant RGB lighting adds a touch of brilliance to your setup while keeping your desktop neat, turning your recording gear into part of your desk aesthetic.
To fit different devices, DGM20W provides optional USB-C and Lightning receivers, easily covering all your recording needs. The intelligent one-click noise reduction feature ensures clean, crisp voice capture for gaming chats or live streaming, even in noisy environments. A front 3.5mm headphone jack allows for direct playback or real-time monitoring, so your voice is always on point.It also inherits the bottom gain knob design from the DGM20, offering quick and precise control over microphone gain. The touch mute button provides instant privacy with a simple tap when gaming or streaming.
In addition,when paired with Maono Link, the exclusive Maono microphone software, you can access professional sound presets optimized for different scenarios — from immersive gaming to smooth live broadcasting. With just one microphone, you can easily handle multiple creative tasks, making in-game communication smoother and content creation effortless.

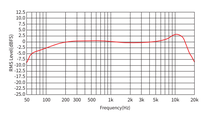
Product Features

- Condenser capsule
- 50m Wireless range
- Mic gain control
- Programmable RGB lights
- Compatible with smartphones and computers
- Shock mount and pop filter included
- Desktop stand included easy to set up
- Cardioid polar pattern
- One-touch mute
- Switchable real-time monitoring
- Maono Link software support

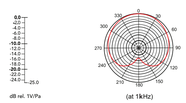
Specification

Microphone Type	Condenser Microphone
Polar Pattern	Cardioid
Sensitivity	USB: -4.0dBFS (1 kHz 94 dBSPL 0.5m)
Noise Reduction	Three levels: weak noise reduction, medium noise reduction, strong noise reduction
Max SPL	105dBSPL at 1kHz 0.5m THD 10% MAX GAIN
Frequency Response	50-16000Hz
Adjustable Gain Range	0~+18dB
Monitoring Sensitivity	-8.0dBV (1kHz 94dB VOL&GAIN Max.)
Monitor The Headphone Jack	3.5mm TRS
Digital Output	USB C
Output Impedance Of The Headphone Jack	32Ω
Battery	1850-1500mAh, 3.7V (5.55Wh)
Charging Power Supply	USB C, 5V⎓1A Max.
Battery Usage Time	Approximately 18 hours with RGB on, 40 hours with RGB off (Based on Maono laboratory tests)
Wireless Working Distance	50m Max. (under line-of-sight conditions, based on Maono laboratory tests)

Frequency Response

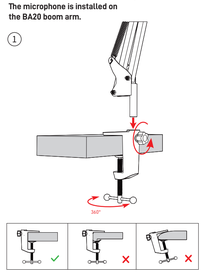


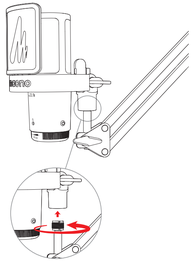
Polar Pattern



Product Installation and Usage

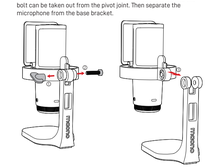
The microphone is installed on the BA20 boom arm.



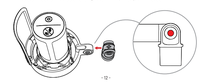


Note:
If you want to use the microphone with boom arms, please follow instructions below.

1. Turn the mic stand knob counterclockwise until the knob and the bolt can be taken out from the pivot joint. Then separate the microphone from the base bracket.

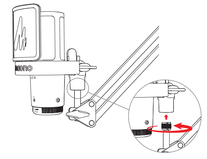


2. Align the connector with the microphone pivot joint, and make sure the connector holes are aligned with pivot joint holes.



3. Place the bolt into the hexagonal hole and fix the bolt's head side with your finger. In the meantime, screw the bolt by turning the knob clockwise until the microphone is firmly fixed to the connector.

4. Install the microphone to the boom arm by turning the mic clockwise.

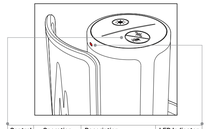


Microphone Buttons Functions

- Power Button

Control	Button Operation	Function	Indicator
⏻	2s	ON	The LED ligt and RGB light turns on. If not connected, the LED light will flash blue.
	3s	OFF	The lights go out

- Noise Cancellation/Mute Button



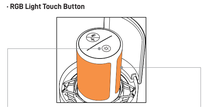
Control	Operation	Description	LED Indicator
	×1	Mute	
		Unmute	
	2s	Noise Cancellation ON	
		Noise Cancellation OFF	

Note:
1. The default setting from the factory is non-mute; when the microphone is muted, the LED indicator lights up red, and the RGB light flashes red three times and then turns off; when the mute is canceled, the LED indicator returns to its previous state, and the RGB light on.
2. The default setting from the factory is weak noise reduction mode; the noise reduction level can be set through the APP—weak, medium, and strong, and the noise reduction level will be automatically memorized after setting.

- Mic Gain

Operation	Function
Turn to right	Increase Mic Gain
Turn to left	Decrease Mic Gain

- RGB Light Touch Button



Control	Operation	Function	RGB Light
	×1	Switch from single color and RGB colors	
	2s	Turn off RGB lights	

- Microphone Port

Port	Function details
USB-C port	1. Charge the microphone; 2. Connect to the device via wire and use the microphone as an audio input device.
3.5mm headphone port	Monitoring the sound of microphone or computer playback.

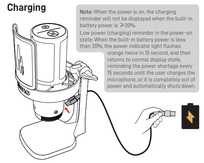
- Wireless pairing of microphone and receiver

When pairing, the microphone needs to have the pairing function turned on. The operations are as follows:

Microphone buttons operation	Function	LED indicator
⏻ Long press for more than 6 seconds in the off state	Turn on wireless	The blue light will flash rapidly.

Note :
1. The microphone and the receiver are paired at the factory.
2. The distance between the receiver and the microphone should be kept within 2 meters; when pairing, there should be no other similar wireless microphone devices within 2 meters.

Charging



Note: When the power is on, the charging reminder will not be displayed when the built-in battery power is 20-29%.
Low power (charging) reminder in the power-on state: When the built-in battery power is less than 20%, the power indicator light flashes orange twice in 15 second, and then returns to normal display state, reminding the power shortage every 15 seconds until the user charges the microphone, or it is completely out of power and automatically shuts down.

Status	Power status	LED Status indicator color	Notes
Charge while powered on	Not fully charged		On when you plug power cable.
	Fully charged	The orange light turns off	On when you plug power cable.
Charge while powered off	Not fully charged		On while being charged,off right after power cable is plugged.
	Fully charged	The orange light turns off	On while being charged,off right after power cable is plugged.
Power warning during use	>20%	——	——
	<20%		Blink for twice each 15s.

RX USB-C/RX iOS Button Function

- Noise Reduction Button

Operation	TX1/TX2 Status Indicator Light
×1	Level 1 noise reduction (weak) Level 2 noise reduction (medium) Level 3 noise reduction (strong) Original mode

Note: 1. The weak noise reduction mode is enabled by default at the factory.
2. When turning on/off noise cancellation in the mute state, the status indicator lights of TX1/TX2 still show the mute state lighting effect.
3. The noise cancellation mode has a memory function.

Operation	Function
2.5s	Turn on/off the phone's speaker

Note : The speaker is turned off by default when leaving the factory.

Camera Receiver Button Functions

- Mono/ Stereo/Safe track switch

Audio Channel Settings:
The audio output can be set to the Mono M mode, Safety Track Ms mode, or Stereo S mode by sliding the switch.

M Mono:	It indicates that the content output by the left and right channels of the receiver is completely the same.
Ms Safety Track:	Similar to the mono channel, the output volume of the right channel is 6dB lower than that of the left channel to prevent the sound from clipping.
S Stereo:	It means that the output of the left and right channels of the receiver respectively corresponds to the sounds of the two sound sources of Transmitter 1 and Transmitter 2, and the corresponding relationship can be exchanged.

Note: 1. Some mobile phones do not support stereo input and can only use mono mode, not stereo mode or safe track mode.
2. If the camera receiver cannot be used when it is connected to some Android mobile phones, please turn on the OTG switch in the mobile phone settings before the connection.

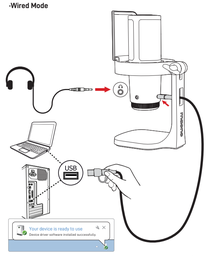
- Noise reduction button

Operation	TX1/TX2 Status Indicator Light
×1	Level 1 noise reduction (weak) Level 2 noise reduction (medium) Level 3 noise reduction (strong) Original mode

Note:
1. Factory default low - grade noise reduction;
2. When turning on/off noise cancellation in the mute state, the status indicator lights of TX1/TX2 still show the mute state lighting effect.
3. The noise cancellation mode has a memory function.

Computer Use

-Wired Mode



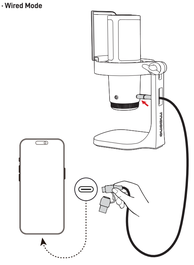
Note: Connect your headphones to the 3.5mm headphone jack on the microphone if you want to take advantage of real-time monitoring.

- Wireless Mode

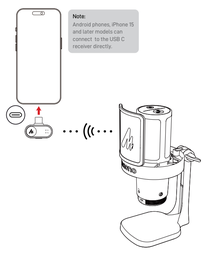
Note:
If using a computer, you can directly connect the USB-C receiver to the computer's USB-C port. When the receiver blocks other adjacent ports, please use a USB A/C extension conversion cable.

Mobile Phone Use

- Wired Mode



- Wireless Mode

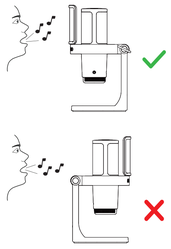


Note:
Android phones, iPhone 15 and later models can connect to the USB C receiver directly.

The Use of the Camera Receiver

Note:
Can be connected to devices with 3.5mm TRS connector such as cameras, mixers, etc.

Side-address microphone

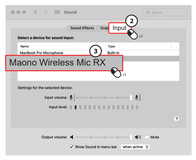


Windows Setting Guide

Microphone level setting

• Connect the microphone with computer via USB cable, the mic will be detected as "Maono DGM20W Mic USB".

macOS Setting Guide



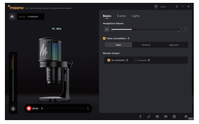
• Connect the microphone with computer via USB cable, the mic will be detected as "Maono DGM20W Mic USB".

"Maono Link"Guide

Maono Link is available for both Windows 10 1809 or later and macOS 13.5 or later.
To download the software, please go to https: //www.maono.com
Settings are synced in real time between hardware and software.
In order to better improve the user experience, the Maono Link software will change the interface and functions due to version upgrades. Please refer to the latest version of the software released by Maono.

Recording Setting

Maono Link provides users with a wide range of microphone audio functions and rich DSP effect parameter settings to meet users' personalized needs for sound effects. Through preset effects, users can quickly complete personalized settings.



One-click switch microphone sound effect

Maono Link presets a variety of carefully adjusted scene sound effects, and users can achieve microphone sound effect changes in different scenes with just one click. Whether you are an entry-level user or a professional user, you can create your own personalized sound through Maono Link software.

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

- French:

Le présentappareilestconf orme aux CNR d' Industrie Canada applicables aux appareils radio exempts de licence.
L'exploitationestautorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l' utilisateur de l'appareildoit accepter tout brouillagerad-ioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

Le matériel a été évalué pour répondre aux exigences générales d'exposition aux radiofréquences. Le dispositif peut être utilisé dans des conditions d 'exposition portables illimitées.

IC Caution:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.