

RM80

Hands-free Microphone for Sound Reinforcement



Rocware RM80 is a hands-free microphone for sound reinforcement. It's a more healthy way to use a microphone. 3 meters long-distance pickup, has stability to achieve automatic voice tracking and full duplex interaction. Contactless and less risk of infection, protect ears and throat, less radioactive, and zero-configuration due to our advanced built-in algorithms.

Main Features

Hands-free Solution for Sound Reinforcement

A convenient and contactless solution for lectures and presentations, no need to hold the wireless microphone or to attach the lavalier microphone on lecturer, free from all these restrictions, reducing infection risks with hygienic and contactless operation.



Lavalier microphone

Require a physical edge of clothing to attach to, Battery maintenance, easy to misplace.



Holding Microphone

Requires to be held in the hand, battery maintenance.



Rocware RM80 Digital Microphone

Hands-free, Zero Configuration, Free Walk Around, Powered over USB2.0

Ultra-low latency

The latency for the built-in processor to deal with pickup voice is less than 18ms, which humans ears won't even notice. Thanks to Rocware's audio expert, this latency is ultra-low compare to other competing microphones in the world. Thus to achieve simultaneous sound reinforcement.



Built-in Audio Processing Module

Integrated with powerful digital signal processing module, no need for additional rack-mounted Processor.



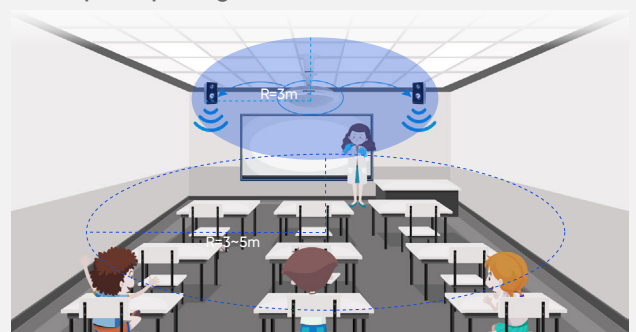
Noise Reduction

Support Howling suppression, reverberation, intelligent noise reduction and automatic gain control to enable the clear hearing in noisy environment.



Ideal Sound field effect

Sound field effect keeps uniform in 3m;5m long voice pickup range.



Easy Setup

The only thing you need to take care of is to make sure the distance between the microphone and loudspeakers should be more than 3m.

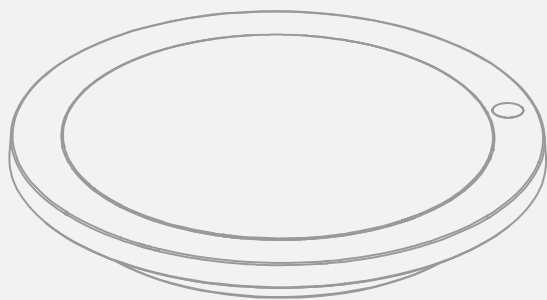


Remote Control

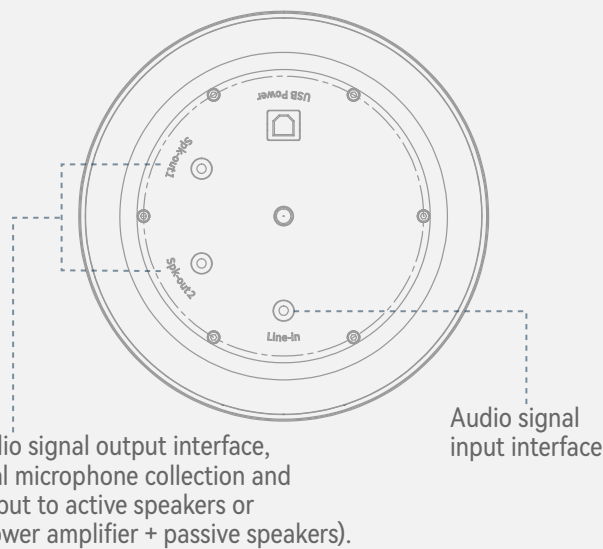
Support remote control function,you can switch the RM80 microphone freely and adjust the volume level easily.



Product Interface



USB Power :
USB interface is used to power the microphone

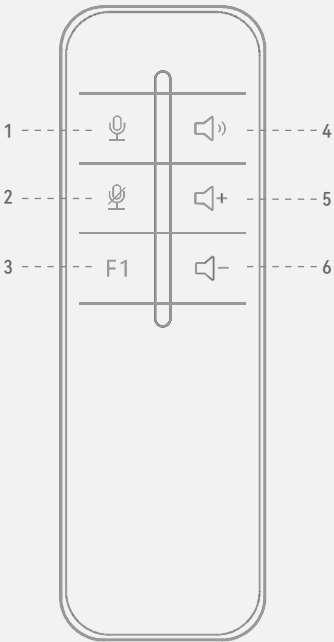


Remote Control

1、 Turn on the microphone's amplification function, and there will be voice announcements when pressed.

2、 Turn off the microphone's amplification function, and there will be voice announcements when pressed.

3、 Reserved function (not defined yet), there will be a music prompt when pressed.

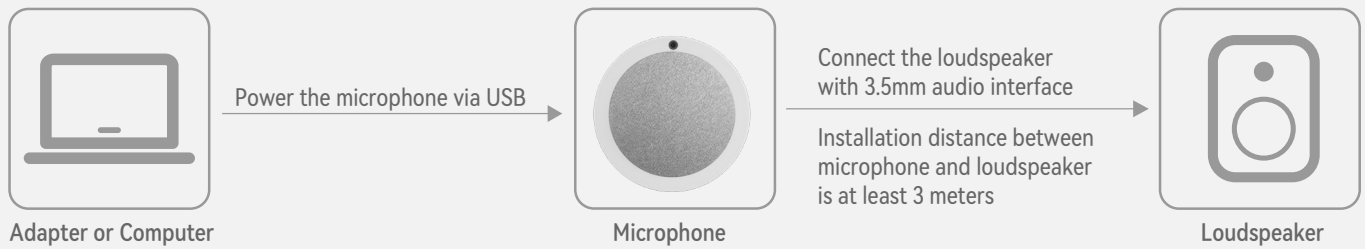


4、 Restore the default loudspeaker volume of the microphone to 0, and there will be voice announcements when pressed.

5、 Increase the loudspeaker volume of the microphone (the maximum volume is +4), there will be a beep when pressing.

6、 Decrease the loudspeaker volume of the microphone (minimum volume is -4), there will be a beep when pressing.

Network Application



Product Specifications

Digital Array Microphone	
Microphone type	Omnidirectional Microphone
Microphone Array	Built-in 6 microphone arrays to form a circular microphone array
Pickup Range	3m
Sensitivity	-38 dBFS
Frequency Response	50Hz - 8kHz
Sampling Rate	16KHz, high resolution broadband audio
Howling Suppression	Support
AGC	Support
Reverberation Suppression	Support
Input/Output Interface	
Audio Input	1 x 3.5mm line in Interface
Audio Output	2 x 3.5mm Spk-out Interface
USB Interface	1 x USB Power Interface
Generic Specification	
Power	USB DC5V
Size	Φ 155.9mm x H 38.2mm



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