

RM70

# Digital Array Microphone



Rocware RM70 digital array microphone is an 8-12m distance voice pickup microphone. One is enough and ideal for an 80pm<sup>2</sup> standard classroom, a middle conference room, or a small church. It's easy to install whether on the ceiling, wall, or desk. Debug-free design, plug and play.

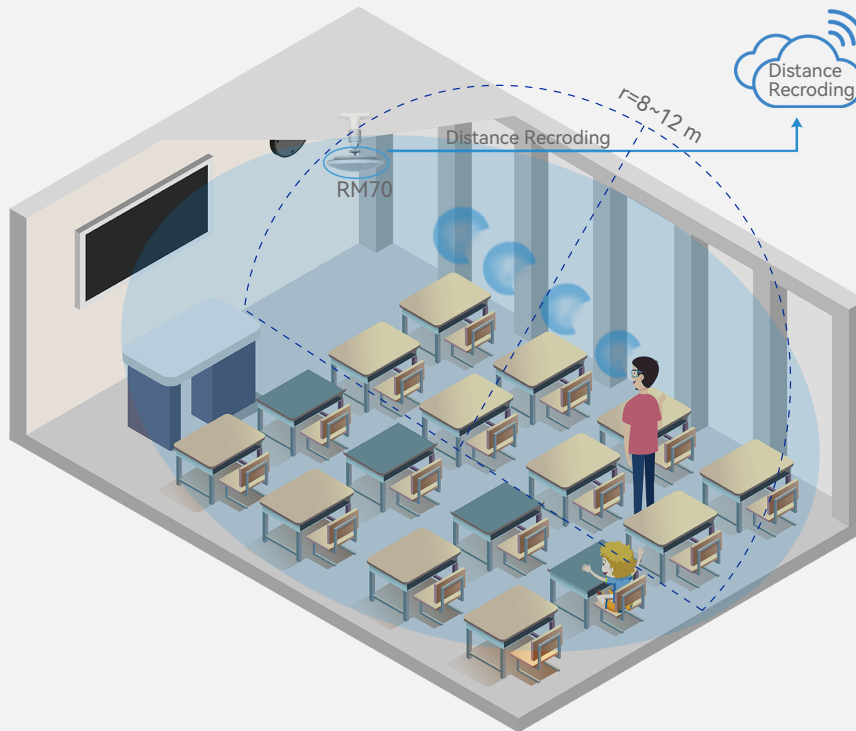
You can use it for distance recording, which record sounds clearly in a noisy environment, But more often, we use it for online interaction. With echo cancellation, RM70 provides comfortable communication with full duplex.

# Main Features

## Long Distance Voice Pickup

Digital microphone array, 8-12 meter distance voice pickup.

A hands-free lecture and presentation solution.



## Intelligent voice tracking

Adaptive blind beamforming technology, automatic speaker alignment and speech reinforcement, to prevent from interference and to keep speech clear.



## Multiple audio algorithms

Using patent technologies including Intelligent noise reduction, echo cancellation and reverberation suppression to ensure clear sound quality and comfortable communication. Requirements of the building of the classroom decoration are low. Supports full duplex.



## Simplified installation, plug and play

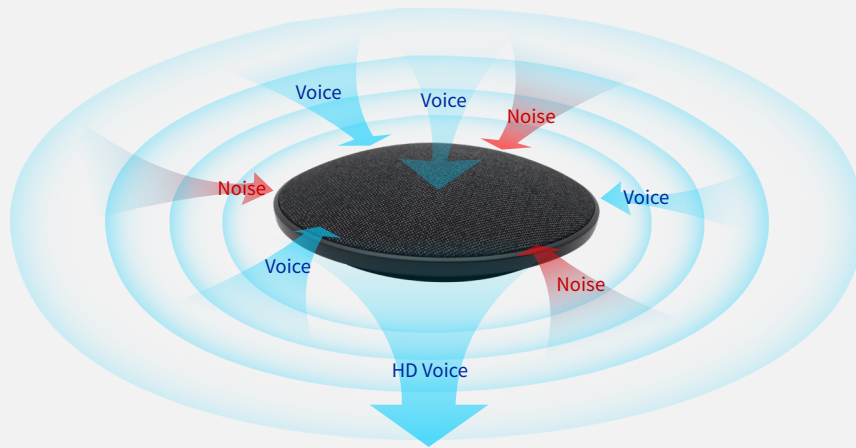
Using standard USB2.0 and 3.5 mm audio interface, debug-free design, plug and play.

Simple system and compact appearance, easy to install and maintain. Supports dual-mode(digital, analog) output.

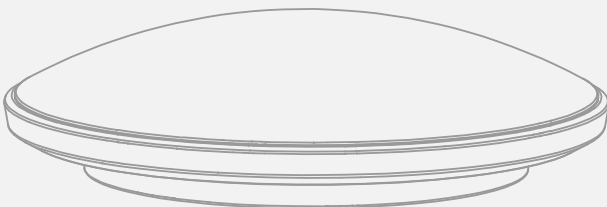


# Noise Reduction

Auto Gain Control, Auto Noise Suppression, Auto Echo Cancellation, Pick clear human voice even in noisy environment.

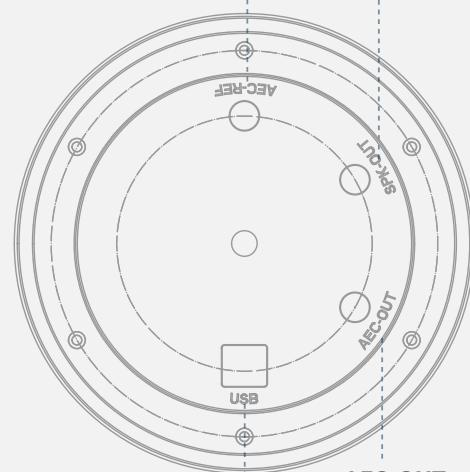


## Product Interface



**AEC-REF:**  
Signal input interface,  
input remote audio signal.

**SPK-OUT:**  
Audio signal output interface,  
output to the speaker.

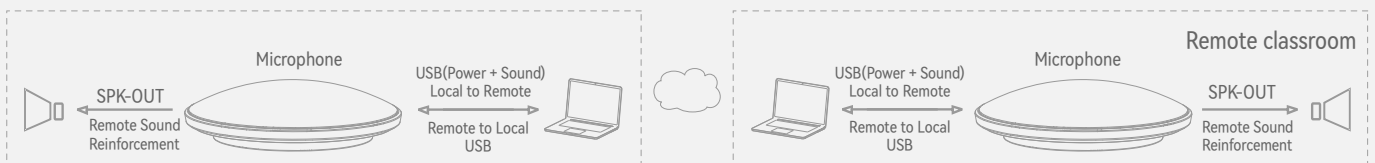


**USB:**  
USB interface is used to  
connect host and charge  
the microphone.

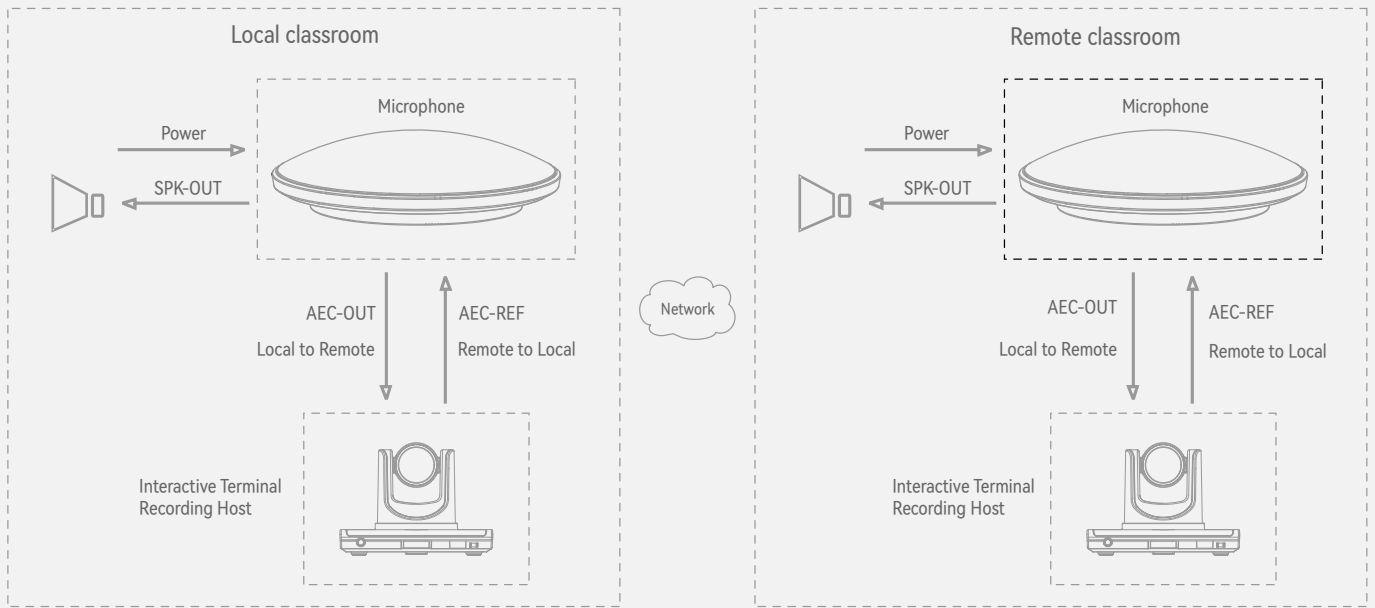
**AEC-OUT:**  
Signal output interface,  
output to remote  
equipment.

## Network Application

### Digital Connection (USB Interface)



# Analog Connection (3.5mm Interface)



## Product Specifications

Digital Array Microphone	
Microphone type	Digital Array Microphone
Microphone Array	Built-in 7 mics to form a circular array microphone
Pickup Range	8m
Sensitivity	-26 dBFS
Signal Noise to Ratio	64 dB(A)
Frequency Response	20Hz - 16kHz
USB Protocol	Support UAC
Automatic Echo Cancellation (AEC)	Support
Automatic Noise Suppression (ANS)	Support
Automatic Gain Control (AGC)	Support
Input/Output Interface	
Audio Input	1 x 3.5mm line in Interface
Audio Output	2 x 3.5mm line out Interface
USB Interface	1 x USB Audio Interface
Generic Specification	
Power	USB DC 5V
Size	Φ 130mm x H 33mm



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