



# Minrray A420 Conference Omnidirectional Microphone User Manual

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## Minrray

### A420 Conference omnidirectional microphone

The A420 is a conference omnidirectional microphone that supports secondary cascading. It contains 8 array microphones, supports omnidirectional pickup within a range of 4.5 meters, and is equipped with proprietary audio algorithms, providing an excellent pickup experience in conference scenarios. The omnidirectional microphone supports secondary cascading, serving as both a primary microphone and an expansion microphone, allowing flexible configurations for different-sized conference rooms. Additionally, the A420 is equipped with a 5W high-power speaker for clearer vocals and an immersive experience.



**Note:** The machine is equipped with Dongle without battery

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Product Features

- 8 microphone beamforming, 4.5 meters omnidirectional pickup
- Built-in echo and noise cancellation algorithms
- Supports one-way USB-C to USB-C secondary cascading, master- slave reuse Single 5W full-range speaker
- Three-color LED indicator bar for status display
- Built-in Bluetooth 5.1 adapter, supports up to 10 meters transmission Supports Kensington physical theft prevention
- USB plug-and-play, compatible with Windows/Mac OS/Android/Linux

Specification parameter

Item	Functions	Description
	Pickup	8-array microphones, 4.5-meter pickup radius, 360° pickup
	Sampling Frequency	48 kHz sampling rate (USB) / 16 kHz sampling rate (Bluetooth)
	SNR	≥65dB
	Full duplex audio	Support
Speaker	Power	1x 5W Full-Range Speaker
	Volume	85dB SPL,5w at 1m distance
Audio Processing	Echo Cancellation	Support
	Noise Suppression	Support
	Automatic Gain Control Host	Support
Interfaces	Host	1x USB-C Port USB 2.0 Connectable to terminal devices
	Cascade port	1x USB-C Port USB 2.0 Can be cascaded with another A40

	Power supply	1x USB-C Power Input Port
	Lock	1x Kensington
<b>Keys</b>	Power Key/Answer Key/Volume Down Key/Mute Key/Volume Up Key/Hang Up (Bluetooth) Key	
<b>Bluetooth</b>	Bluetooth 5.1	
<b>Cascading</b>	Supports cascading with another A420 for use	
<b>Indicator Light Strip</b>	The body is equipped with a tri-color LED light strip (red, green, blue) for displaying status.	
<b>Battery</b>	not support	
<b>Power Supply Method</b>	Powered by a power adapter	
<b>System Compatibility</b>	Windows 7/8/10; macOS 10.10 or later; Linux ((requires UAC system support) Android universal, may perform differently on each system integration	
<b>Operating Conditions</b>	Storage Temperature -10°C ~ +70°C Storage Humidity 20% 95% Working Temperature -10°C ~ +50°C Working Humidity 20% 80% Environment Indoors	
<b>Accessories</b>	1x 12V/1.5A USB-C Power Adapter 1x 5m USB-C to USB-C data cable 1x 3m USB-C to USB-C data cable 1x Bluetooth USB Dongle	
<b>Dimension</b>	150mm x 155mm x 44mm	

#### FCC Statement

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device under Part 15 of the FCC Rules. These limits are designed to protect reasonably against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from the receivers.
4. Consult the dealer or an experienced radio/TV technician for help.

#### Radio Frequency Exposure Statement

The device has been evaluated to meet general RF exposure requirements. The device can be used in fixed/mobile exposure condition. The min separation distance is 20cm.

## Documents / Resources

<div><p><b>A420</b> Conference omnidirectional microphone</p><p>The A420 is a conference omnidirectional microphone for meeting rooms, training rooms, lecture halls, etc. It is designed to provide clear, intelligible audio for all participants in a meeting. The microphone is compact and easy to use, and it is available in a variety of colors to match your room's decor.</p><p>The omnidirectional microphone captures sound equally well from all directions, ensuring that everyone in the room can hear the speaker clearly. It is also available in a desktop version for use in larger meeting rooms.</p><p>Key features include:</p><ul style="list-style-type: none"><li>• Clear, intelligible audio</li><li>• Compact design</li><li>• Available in a variety of colors</li></ul><p><b>Product Features</b></p><ul style="list-style-type: none"><li>• Clear, intelligible audio</li><li>• Compact design</li><li>• Available in a variety of colors</li></ul></div>	<p><a href="#">Minrray A420 Conference Omnidirectional Microphone [pdf]</a> User Manual 2A4VH-A420, 2A4VHA420, A420 Conference Omnidirectional Microphone, A420, Conference Omnidirectional Microphone, Omnidirectional Microphone, Microphone</p>
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## References

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