

**COMICA**  
Versatile USB Condenser Cardioid Microphone

**STM-USB**

**USER MANUAL**

**Foreword**

Thanks for purchasing COMICA STM-USB Condenser Cardioid Microphone. To ensure bring you a good using experience, please read this manual book carefully before using and correctly install and operate.

**Notice**

△ This product is designed with USB-C output interface, and only suits for USB interface devices of Windows, Android and IOS system, phone or other recording devices with 3.5mm audio input are not supported.

△ Do not use this equipment in the vicinity of heat source or interference source, such as radiator, oven, refrigerator or air conditioner, smartphone or next to the WIFI AP.

△ This product belongs to high-precision instruments, please avoid falling, collision or pounding.

△ Do not use the equipment in rain or in a damp environment to avoid short-circuit danger.

△ Please keep the product in a dry environment.

**Main Features**

- 16mm Gold-Plating Condenser Mic, Professional Studio Quality Cardioid Bi-directional Multiple Pattern Selection
- Gain Control, Muting, Real-time Monitor Functions
- Adjustable Audio Recording Direction
- 20Hz-20kHz Frequency Response and Widely Used for Various Situations
- USB-C Interface Design, Universal for Computer and Phone
- Detachable Pop-Shield Design to Efficiently Filter Airflow
- Metal Housing for Excellent Shielding

**Packing List**

- Microphone
- Pop Shield
- Tripod Table Stand
- 1/4 Ring Mount
- 3/8 Ring Mount
- USB-C/USB-C Cable
- USB-C/USB-A Cable
- Carry Case
- User Manual
- Warranty Card

**Components Instruction**

- Pop Shield
- Gain Control Knob
- Monitoring Indicator Light
- Monitor Knob
- Lock Ring of Mic
- Tripod Table Stand
- Mic
- Directional Switch
- 3.5mm Monitor Interface
- Microphone Mute Button
- 3/8 Adjustable Lock Ring
- Lock Ring on Tripod Table Stand
- Lock Knob
- 1/4 Ring Mount
- 3/8 Ring Mount
- USB-C Output Interface

**Product Installation and Use**

1. Install the Pop-Shield and 3/8 Ring Mount on the microphone stud in turn, and tighten it with the Lock Ring of Mic.
2. Install the 1/4 Ring Mount on the Tripod Table Stand and lock it with the Lock Knob. Install the 3/8 Adjustable Lock Ring and 3/8 Ring Mount on the Tripod Table Stand stud, then adjust the 3/8 Adjustable Lock Ring to tighten it.
3. Install the Tripod Table Stand to the microphone and lock it with the Lock Knob.
4. Insert the USB-C plug of audio cable into the microphone USB-C output jack.

**Function Introduction**

1. Gain Control knob, rotate to adjust microphone gain.
2. Monitor Adjustable Knob, rotate the monitor volume.
3. 3.5mm Monitor Interface, insert earphone to monitor.
4. Microphone Mute Button, short press can realize microphone mute and the indicator light is red.

5. Directional Switch can be selected according to the situation.

Bi-directional Pickup  
Cardioid Pickup  
Cardioid Pickup  
Bi-directional Pickup

**Specification**

**1. Polar Pattern**

Cardioid  
Bi-directional

**2. Frequency Response**

20Hz-20kHz

**3. Technology Parameters**

Acoustic Principle	Condenser
Polar Pattern	Cardioid
Frequency Response	20Hz-20kHz
Impedance	48Ω/64Ω/16Ω
Resolution Ratio	16bit
Dynamic Range	96dB
Maximum SPL	110dB
Power	USB PD/DC100mA
Output	USB-C
Dimension	157x134x257mm
Net Weight	370g
Working Temperature	0-50°C

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5. Connect the another side of audio cable to the recording device.

Lightning to USB-A adapter  
USB-C / USB-C Cable  
USB-C / USB-A Cable

This product is designed with USB-C output interface, and only suits for USB interface devices of Windows, Android and IOS system, phone or other recording devices with 3.5mm audio input are not supported.

6. Plug the headphone into the 3.5mm interface to monitor it and supports real-time and playback listening.

7. If external Boom Arm is needed, you can connect 1/4 or 3/8 Thread end of Boom Arm to corresponding Ring Mount to meet your needs.

1/4 Thread end  
3/8 Thread end

8. Gain Control knob, rotate to adjust microphone gain.

9. Monitor Adjustable Knob, rotate the monitor volume.

10. 3.5mm Monitor Interface, insert earphone to monitor.

11. Microphone Mute Button, short press can realize microphone mute and the indicator light is red.

12. Directional Switch can be selected according to the situation.

Bi-directional Pickup  
Cardioid Pickup

13. Polar Pattern

Cardioid  
Bi-directional

14. Frequency Response

20Hz-20kHz

**COMICA**  
专业USB电容直播麦克风

**STM-USB**

**使用说明书**

**前言**

感谢您购买COMICA/科玛STM-USB专业USB电容直播麦克风。为保证产品的顺畅使用，请在使用前仔细阅读本说明书，并正确组装及操作。

**注意事项**

△ 本产品仅适配于USB接口（支持Windows、安卓和IOS系统）的设备，不支持3.5mm音频输入的手机或其他录音设备。

△ 请勿将本设备放置在热源或干扰源附近使用，如散热器、烤箱、冰箱、空调、手机和WIFI热点旁边。

△ 本产品属于精密仪器类产品，请避免使用时摔落、碰撞或重击。不要在灰尘或潮湿的环境下使用该设备，否则会有短路的风险。

△ 请在干燥环境中对该产品进行保存。

**产品主要功能**

- 16mm镀金电容麦克风，专业级音质
- 心型/八字型多指向选择，满足更多场景需求
- 增益调节、静音功能、监听等多功能
- 多方向旋转可能
- 20Hz-20kHz频率响应范围，广泛适用于乐器、直播、录音、采访会议等设备
- 设备采用USB-C接口输出，适用于手机、电脑等
- 可拆卸降噪罩，有效隔绝气流等杂音
- 全金属材质，优异屏蔽性能

**包装清单**

- 麦克风主体
- 防喷罩
- 支架
- 1/4螺纹接头
- 3/8螺纹接头
- USB-C/USB-C线
- USB-C/USB-A线
- 便携袋
- 说明书
- 保修卡

**部件介绍**

- 防喷罩
- 增益调节旋钮
- 监听指示灯
- 监听音量调节旋钮
- 静音按钮
- 麦克风
- 方向切换开关
- 3.5mm监听接口
- 麦克风底座
- 3/8螺纹接头
- 3/8螺纹底座
- 锁紧螺母
- 1/4螺纹接头
- 3/8螺纹底座
- USB-C输出接口

**安装方法**

1. 依次把防喷罩、3/8螺纹接头装到麦克风柱上，并用主体锁紧螺母锁紧。
2. 把1/4螺纹接头安装到支架螺柱上并用锁紧螺母锁紧；再依次把3/8调整螺母和3/8螺纹接头安装到支架螺柱上，接着调整3/8调整螺母使其紧固。
3. 把支架安装到麦克风上，并用锁紧螺母锁紧。
4. 把音频线USB-C插头插入麦克风USB-C输出接口。

**功能介绍**

1. 增益调节旋钮，旋转调节麦克风增益。
2. 监听音量调节旋钮，旋转调节监听音量大小。
3. 3.5mm监听接口，插入耳机即可监听。
4. 麦克风静音按钮，短按即可实现麦克风静音，静音时指示灯亮红灯。

5. 指向切换开关，可根据情况选择使用。

八字型指向  
心型指向  
心型指向  
八字型指向

**技术参数**

**1. 指向性图**

心型指向  
八字型指向

**2. 频率响应**

20Hz-20kHz

**3. 性能参数**

话筒原理	电容式
指向性	心型
额定阻抗	16Ω / 64Ω
额定电压	48V/14.1dBu
分辨率	16-bit
动态范围	96dB
最大声压级	110dB
信噪比	120dB (100Hz)
输出	USB-C
尺寸	157x134x257mm
净重	370g
工作温度	0-50°C

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5. 把音频线的另一头接入录音设备。

同电制USB-A转换器  
USB-C/USB-C线  
USB-C/USB-A线

本产品仅适配于USB接口（支持Windows、安卓和IOS系统）的设备，不支持3.5mm音频输入的手机或其他录音设备。

6. 把耳机插入3.5mm接口即可监听，支持实时监听及回放监听。

7. 如需外接螺柱杆，可根据需要自行选择1/4或3/8螺纹杆接入相应的螺柱即可。

1/4螺纹杆  
3/8螺纹杆

8. 增益调节旋钮，旋转调节麦克风增益。

9. 监听音量调节旋钮，旋转调节监听音量大小。

10. 3.5mm监听接口，插入耳机即可监听。

11. 麦克风静音按钮，短按即可实现麦克风静音，静音时指示灯亮红灯。

12. 指向切换开关，可根据情况选择使用。

八字型指向  
心型指向

13. 指向性图

心型指向  
八字型指向

14. 频率响应

20Hz-20kHz