

Seekcom S1

Wireless Intercom Headset System(2.4G Ver.)

User Manual

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Foreword

Thank you for purchasing Comica Seekcom S1 Wireless Intercom Headset System.

Main Features

- Full-duplex Digital Wireless Talk, Convenient and Efficient
- Free Switch Between Host and Guest, Flexible Combination
- CalMix® AI/ENC Optional Noise Reduction
- High-definition and Intuitive OLED Display
- Dual Antennas Design Enhance Anti-interference up to 500m (Open Area)
- Long Battery Life Up to 12 Hours
- Talk/PTT/Mute Multiple Talk Modes Options
- 24kHz/16bit Specification, High-fidelity Restoration of Sound Details
- Support Overall Broadcasting, One-to-one Talk, Recorder Modes, etc.
- Support 3.5mm External Audio Input/Cascade Extension
- Support USB-C Digital Audio Transmission
- 150Hz-7KHz Ultra-wide Frequency Response
- Powerful Comica Official APP, One-stop Convenient Control
- IPX3 Waterproof Level, Strong Resistance to Rain and Wind
- Ergonomic Design for Light and Comfortable Wear

Product Usage Notice

- ⚠ The Seekcom S1 supports host/guest switching, but only one device can be set as the host and network node in an intercom system group. All other devices must be set as guests (factory default setting). If you need to reset the host/guest settings, the devices should be re-paired.
- ⚠ Please use the original charging case, audio cable and battery. Accessories that are not certified by the manufacturer or are not original replacements may pose dangers such as electric shock, fire, or explosion.
- ⚠ Please prevent it from falling, collision and pounding, otherwise it may cause product failure.
- ⚠ Please do not disassemble this product by yourself to avoid mechanical damage.

Device Storage Notice

- ⚠ Do not place the product near or inside heating equipment, cooking equipment, high-pressure containers, etc., to prevent battery overheating and explosion, such as microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, gas stoves, etc.
- ⚠ Please store the device in a dry, cool and clean place.
- ⚠ Please keep the device away from the heat, direct sunlight and other corrosive liquids.

Packing List

5 sets:



Headset*5



Battery*5



Charging
Base*3



USB C-USB A
Charging/Data Cable*3



Drawstring
Pouch*5



Windmuff*5



Carrying Case*1



Label Sticker*1



User Manual*1



Warranty Card*1

4 sets:



Headset*4



Battery*4



Charging
Base*2



USB C-USB A
Charging/Data Cable*2



Drawstring
Pouch*4



Windmuff*4



Carrying Case*1



Label Sticker*1



User Manual*1



Warranty Card*1

2 sets:



Headset*2



Battery*2



Charging
Base*1



USB C-USB A
Charging/Data Cable*1



Drawstring
Pouch*2



Windmuff*2



Carrying Case*1



Label Sticker*1



User Manual*1



Warranty Card*1

1 set:



Headset*1



Battery*1



USB C-USB A
Charging/Data Cable*1



Drawstring
Pouch*1



Windmuff*1



Label Sticker*1



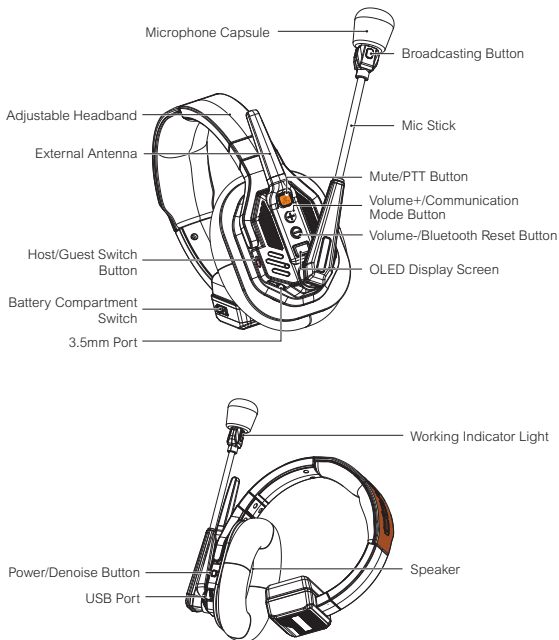
User Manual*1



Warranty Card*1

Components and Instruction

Headset:



1. Microphone Capsule

2. Adjustable Headband

It can adjust the length of headset

3. External Antenna

4. Host/Guest Switch Button

Move up to set it as host; Move down to set it as guest

5. Battery Compartment Switch

Move down to open battery compartment cover

6. 3.5mm Port

1. Plug in external earphones
2. Input external audio
3. Cascade extension

7. Broadcasting Button

Press two times to turn on/off broadcasting or ducking function(switch between these two functions via the APP)



1. Only the host supports broadcasting function
2. The ducking function is only available in recorder mode (It can be set via the APP). After the ducking function is enabled, pressing the ducking button while the "talk sound" and "recorder monitoring sound" are playing in sync can suppress the "recorder monitoring sound" and make the "talk sound" clearer.

8. Mic Stick

The flip angle is 270 degrees, flip up to mute, flip down to cancel mute

9. Mute/PTT Button

Short press to turn muting on/off; long press to enter PTT mode

10. Volume+/Communication Mode Button

Short press to increase volume(6 levels); long press to turn off/on enhanced mode



1. Only the host supports communication mode. Once enabled, the signal of guests will be changed in sync
2. The communication mode is divided into enhanced mode and normal mode. The product is set to enhanced mode by default. If there are special requirements for radio frequency or communication, it can be adjusted according to actual needs

11. Volume-/Bluetooth Reset Button

Short press to decrease the volume(6 levels); long-press for 5 seconds to reset Bluetooth



1. Long press the volume + and - buttons in sync to enter pairing state
2. The Bluetooth function is mainly used to connect the host and mobile phone for APP operation. It's supposed to reset the bluetooth if you change the phone

12. OLED Display Screen

13. Power/Denoise Button

Long press to power on/off, short press to switch ENC denoise/AI denoise

14. USB Port

Connect to power supply for charging/firmware upgrade/audio transmission

15. Working Indicator Light

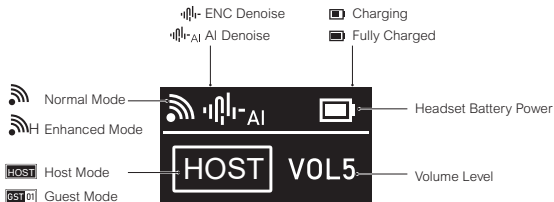
State	Indicator Light
Unpair	Host blinks blue slowly; guest blinks green slowly
Pairing	Host blinks blue quickly; guest blinks green quickly
Paired	Host keeps on blue; guest keeps on green
Talking	Host keeps on blue; guest keeps on green
Mute	Red light keeps on
Low Power	Red light blinks slowly

16. Speaker

17. Voice Prompt

State	Prompt
Muting on/off	Muting on/Muting off
Volume Adjustment	Dong
Host and guest disconnect	Disconnected
Host and guest connect	Connected
Host and guest have low power	Low Power
Denoise Mode Switch	AI Denoise/ENC Denoise
Broadcasting On	Broadcasting
Overall PTT (turn on via APP)	PTT On/PTT Off
Ducking On	Ducking
Enhanced Mode	Ding

Screen Display :



Bluetooth resetting...
Bluetooth has been reset.
Bluetooth reset failed!

**Bluetooth
resetting**
.....

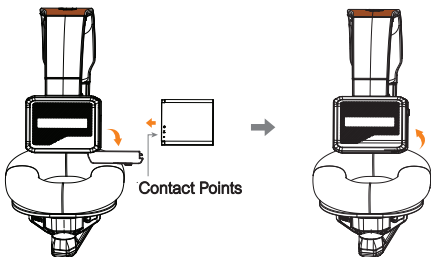
Pairing...

Pairing
Paired devices 1
Pairing failed!
Pairing succeed

Operation Guide

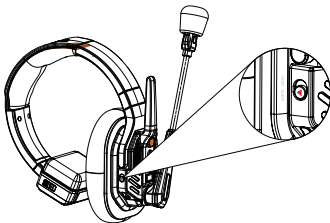
Battery Installation

Open the battery compartment cover, insert the battery into compartment and lock the cover. Please ensure that the battery is installed correctly (As shown in the figure).



Host and Guest Settings

Move the host/guest switch button up or down to set the device as host or guest.



1. Please set the device as host/guest before powering on. If you switch while the device is powered on, you need to restart the device.
2. Only one device can be set as the host and other devices should be set as guests in an intercom system group. If not, the device will not work properly

Power On/Off

Long press  the power button to turn the headset on/off.

Host and Guest Pairing

The device is paired by default. If the device is reset as host/guest, or there is a pairing abnormality, please follow the steps to pair again:

1. Long press the volume + and - buttons in sync to enter pairing mode;
2. After successful pairing, the host indicator light keeps on blue and the guest indicator light keeps on green.

PTT

Press and hold the PTT button to enter PTT talk mode; release the button to enter mute mode; short press to turn off mute and back to the normal talk mode.


Mute

Short press the mute/PTT button, or flip the mic stick up to activate mute function. Voice prompt: muting.

Volume Adjustment

The volume level ranges from 1-6. Press the volume + or volume - button to adjust the volume. Voice prompt: Dong

Noise Reduction Mode Switch

Short press  the denoise button to switch between ENC denoise/AI denoise.

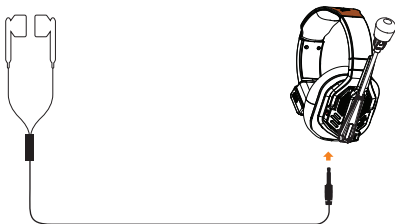
Communication Mode Switch

Switch normal/enhanced mode via the communication mode button. When the signal is bad, switch on enhanced mode to amplify the signal and improve communication clarity and stability, avoiding signal drops and talking disconnections.

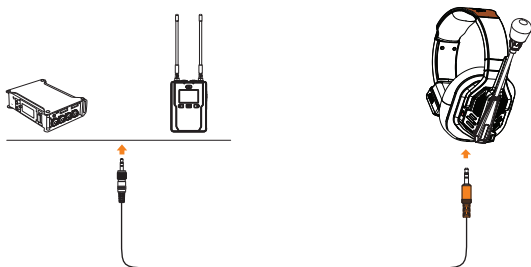
Working Mode Switch

The device is set to normal mode by default. It can be changed to recorder mode via the APP.

Normal mode: Users can plug an external headphone with a mic into the 3.5mm port to communicate, or connect with another set of Seekcom S1 intercom headset system (host or guest) for cascade extension.



Recorder mode: Users can connect a recording device to the 3.5mm port to monitor the recording status.



Broadcast Button Function Customize

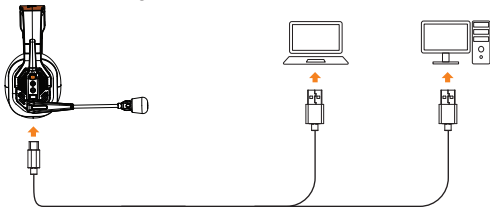
In host mode, device is set as broadcasting function by default. The ducking function is switchable after turning on recorder mode via APP. In guest mode, device does not support broadcasting function. The ducking function is switchable after turning on recorder mode via APP.



1. Only the host supports broadcasting function
2. The ducking function is only available in recorder mode (It can be set via the APP). After the ducking function is enabled, pressing the ducking button while the "talk sound" and "recorder monitoring sound" are playing in sync can suppress the "recorder monitoring sound" and make the "talk sound" clearer

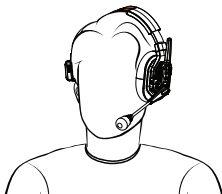
USB Audio Transmission

Connect to the computer via the audio cable for real-time communication, such as online meeting, etc



How to Wear

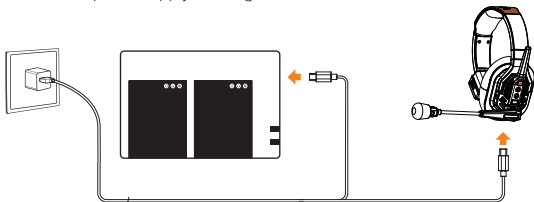
Adjust the extendable headband to an appropriate length, put on the headset and point the microphone capsule toward your mouth.



Charging

Method 1. Take out the battery and place it in the charging base, then connect the power supply to charge.

Method 2. Plug the charging cable to the USB port of the headset, then connect the power supply to charge.



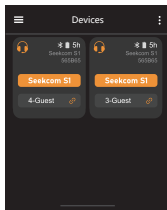
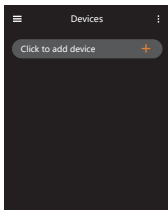
APP Connection and Operation (Connected with the host)

1. Search and download the "Comica Audio" APP in your mobile phone's APP store;

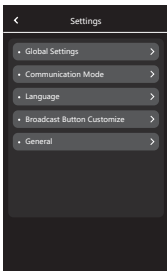


Comica Audio

2. Turn on the Bluetooth of your mobile phone and get close to the host;
3. Open the APP to search and add the device: Seekcom S1;



4. After successful pairing, you can check the device state and operate all functions via the APP.



1. If the Bluetooth pairing fails or the device needs to be connected to a new mobile phone, please long press the Bluetooth reset button for 5 seconds to reset it.
2. One-key ducking, recorder mode, one-to-one talk, overall PTT, voice prompt language switch, ect., can be set or switched via the APP.

Upgrade

Firmware Upgrade

1. Download the Seekcom S1 firmware upgrade package to the computer from the Comica official website.
2. After turning off the device, press and hold the volume + and power button in sync to enter copy mode. Copy the firmware upgrade package to the Seekcom S1—UPDATE folder.
3. Disconnect the USB audio cable and restart the device to upgrade automatically.

Bluetooth Connection Upgrade

Open the "Comica Audio" APP and connect with Seekcom S1. Then go to the device homepage and select settings icon in the upper right corner—Universal—Firmware Upgrade.

Specification

Wireless Frequency	2402~2480MHz
Wireless Transmitting Power	21dBm
Wireless Receiving Sensitivity	-97dBm
Modulation Method	GFSK
Working Range	About 500m (Visual Distance)
Microphone Sensitivity	-37dB±1dB @94dBSPL, 1kHz
Microphone SPL	115dBSPL @1kHz, 3% THD
Frequency Response	150Hz ~ 7kHz
S/N	70dB @94dBSPL, 1kHz
System Distortion	1% @94dBSPL, 150Hz ~ 7kHz
Output SPL	98dBSPL (Typical Values) @94dBSPL, 1kHz
Ambient Noise Attenuation	ENC Denoise: >20dB AI Denoise: >40dB
USB Audio Specification	48kHz/16bit
USB Charging Specification	5V/1A
3.5mm Port	TRRS Headphone With Microphone/ TRS LINE IN
Battery Type	Li-polymer S005E 1000mAh 3.7V (Changeable)
Charging Time	About 2 Hours
Duration	About 12 Hours
Net Weight	190g (Without Battery) / 212.5g (With Battery)
Dimension	167 x 93 x 197mm (Storage Dimension)
Working Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C



Website: comica-audio.com

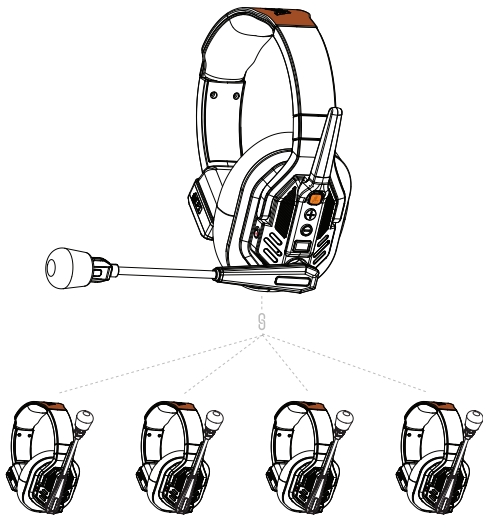
Facebook: Comica Audio Tech Global

Instagram: Comica Audio

YouTube: Comica Audio

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Email: support@comica-audio.com



寻域S1 无线内部通话系统(2.4G版本)

使用说明书

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前言

感谢您购买科唛寻域S1无线内部通话系统。

主要功能

- 全双工数字无线通话、便捷高效
- 主/从机任意切换、可灵活组合搭配
- CalMix® AI/ENC双模降噪
- 高清OLED，一目了然
- 双天线、可选多频段模式，超强抗干扰能力高达500米使用距离（空旷距离）
- 续航高达12小时，全天工作无忧
- TALK/PTT/MUTE通话模式，高效节能
- 24kHz/16bit音频，高清还原声音细节
- 支持录音师闪避模式，一对一通话/全局广播
- 支持3.5mm外置音频输入/级连扩展
- USB-C数字传输，多功能集成
- 150Hz-7KHz超宽频响，如临其畔
- 强大科唛官方APP，一站式便捷操控
- IPX3防水等级，防雨防风噪
- 人体工程学设计，佩戴轻盈更舒适

产品使用注意事项

- △ 此产品支持主/从机自主切换，一组通话系统仅支持1台设备作为主机为网络主节点，其他设备均须设置为从机（出厂默认设置）；如因需要重置主/从机，则需重新配对；
- △ 请务必使用原装配套型号的充电仓，数据线和电池。若使用未经厂商认证的，或者非配套型号的配件，可能引发触电，火灾，爆炸等危险。
- △ 请避免使用时掉落、碰撞或重击，否则可能造成产品故障。
- △ 请勿自行拆卸本产品，避免机械损坏。

设备保存注意事项

- △ 请勿将本产品放置在加热设备，烹饪设备，高压容器等附近或其内部，以防止电池过热发生爆炸，如微波炉，电磁炉，电烤箱，电暖器，高压锅，热水器，燃气灶等。
- △ 请在干燥、阴凉、清洁的环境中保存本产品。
- △ 避免热源、阳光直射或其他腐蚀性液体。

■ 包装清单

五路:



耳机*5



电池*5



2座充电仓*3



USB C-USB A
充电/数据线*3



单机收纳袋*5



防风棉*5



全套收纳包*1



标签贴纸*1



说明书*1



保修卡*1

四路:



耳机*4



电池*4



2座充电仓*2



USB C-USB A
充电/数据线*2



单机收纳袋*4



防风棉*4



全套收纳包*1



标签贴纸*1



说明书*1



保修卡*1

二路:



耳机*2



电池*2



2座充电仓*1



USB C-USB A
充电/数据线*1



单机收纳袋*2



防风棉*2



全套收纳包*1



标签贴纸*1



说明书*1



保修卡*1

一路:



耳机*1



电池*1



USB C-USB A
充电/数据线*1



单机收纳袋*1



防风棉*1



标签贴纸*1



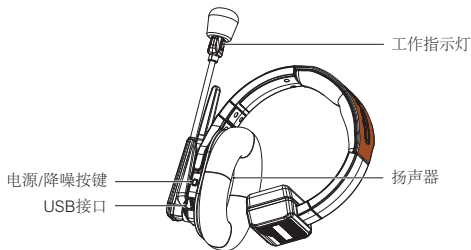
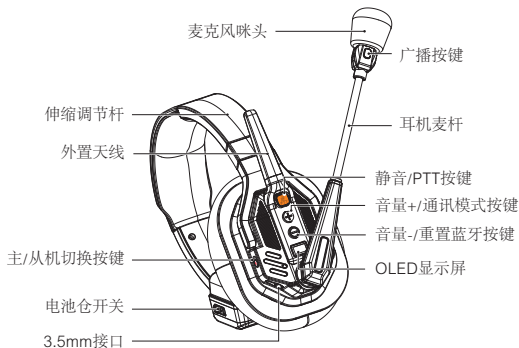
说明书*1



保修卡*1

部件介绍及说明

耳机:



1. 麦克风咪头

2. 伸缩调节杆

可调整耳机佩戴长度

3. 外置天线

4. 主/从机切换按键

向上拨动设为主机；向下拨动设为从机

5. 电池仓开关

下拨开启电池仓盖

6. 3.5mm接口

1. 插入外置耳麦
2. 输入外部音频
3. 级连

7. 广播按键

连接两次开启/关闭广播或闪避功能（需通过APP切换两种功能）



1. 仅主机支持广播功能

2. 闪避功能仅限录音师模式下使用（APP中设置），闪避功能开启后，录音师可在“通话音量”和“录音师监听音量”同时播放时，按下闪避按键，抑制录音师监听音量，以便更清晰地聚焦于通话音量

8. 耳机麦杆

270度可调，向上拨动至顶进入静音状态，向下拨动取消静音

9. 静音/PTT按键

短按开启/关闭静音；长按触发PTT

10. 音量+/通讯模式按键

短按增加音量（6档）；长按关闭/开启增强模式



1. 仅主机支持通讯模式选择，开启后从机信号同步变化

2. 通讯模式分为增强模式和普通模式：产品默认设置于增强模式下，如因射频或通讯特殊需求，可根据实际情况需求调整通讯模式

11. 音量-/重置蓝牙按键

短按降低音量（6档）；长按5秒重置蓝牙



1. 同时长按音量+进入配对状态

2. 蓝牙功能主要用于主机和手机的连接以进行APP应用，如更换手机设备需重置蓝牙

12. OLED显示屏

13. 电源/降噪按键

长按开机/关机，短按切换ENC降噪/AI降噪

14. USB接口

连接电源充电/固件升级/传输音频

15. 工作指示灯

状态	提示灯
主从未配对	主机蓝灯慢闪；从机绿灯慢闪
主从配对中	主机蓝灯快闪；从机绿灯快闪
主从已配对	主机蓝灯长亮；从机绿灯长亮
通话中	主机蓝灯长亮；从机绿灯长亮
静音	红灯长亮
电量不足	红灯慢闪

16. 扬声器

17. 语音提示

状态	提示音
静音开启/关闭	闭麦/开麦
音量调节	Dong
主从机断连	已断开
主从机连接	已连接
主从机电量低	设备电量低
降噪切换	AI降噪/ENC降噪
广播开启	广播
全局PTT (APP开启)	PTT开启/PTT关闭
闪避开启	闪避
增强模式	Ding

屏幕显示:



蓝牙重置中...
蓝牙重置成功
蓝牙重置失败

蓝牙重置
中...

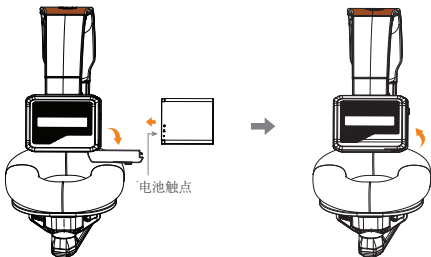
配对中
...

配对中...
已配对1
配对失败
配对成功

操作指南

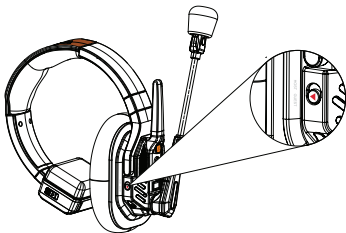
电池安装

向下拨动开启电池仓，将电池放入电池仓，锁上电池仓盖。请注意正确放置电池（如图所示）。




主从设置

向上或向下拨动主/从机切换按钮设置为主机或从机。



1. 请于开机前设定主机/从机，如开机状态下切换，需重启设备
2. 一组通话系统仅支持一主多从，如主从设置混乱将导致设备无法正常工作

开/关机

长按  电源按键开启/关闭耳机。

主从配对

设备出厂时已默认配对，如配对出现异常，请按以下步骤重新进行配对：

- 1.同时长按耳机的音量+ - 按键进入配对状态。
- 2.配对成功后，主机指示灯蓝灯长亮，从机指示灯绿灯长亮。

PTT

长按耳机PTT按键进入PTT通话模式；松开按键进入静音状态；短按关闭静音回到正常通话模式。

静音

短按耳机静音/PTT按键，或将耳机麦杆上拨至顶，即进入静音状态，语音提示闭麦。

音量调节

音量等级范围为1-6，按音量+或音量-按键进行调节，语音提示Dong。

降噪模式切换

短按  - 降噪按键切换ENC降噪/AI降噪。

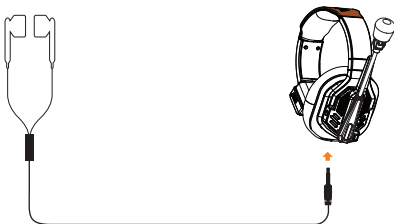
通讯模式切换

通过通讯模式按键切换普通/增强模式。信号差时可切换为增强模式放大信号，提高通话的清晰度和稳定性，避免通话中断和掉线。

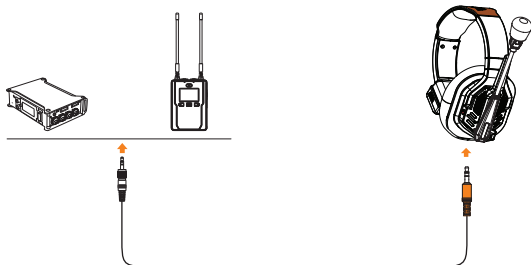
工作模式切换

设备默认常规模式，可通过APP切换为录音师模式。

常规模式：可在3.5mm接口插入外置耳麦进行通话；或连接另一套寻域S1内通系统的主从机进行级连扩展。



录音师模式：可在3.5mm接口外接录音设备，监听收音状态。



广播按键功能定义

主机：设备出厂默认为广播功能，通过APP开启录音师模式后可切换为闪避功能。

从机：无广播功能，通过APP开启录音师模式后方可开启闪避功能。

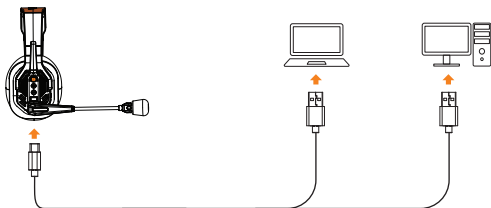


1. 仅主机支持广播功能

2. 闪避功能仅限录音师模式下使用（APP中设置），闪避功能开启后，录音师可在“通话音量”和“录音师监听音量”同时播放时，按下闪避按键，抑制录音师监听音量，以便更清晰地聚焦于通话音量

USB音频传输

通过数据线连接电脑，进行实时通讯，如线上会议等。



佩戴

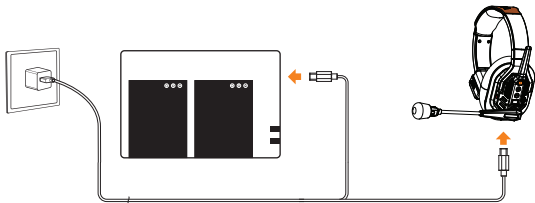
调整耳机伸缩杆至合适的长度，佩戴后将麦克风咪头朝向嘴巴方向。



充电

方法1. 将电池取出后放置于充电仓，连接电源进行充电。

方法2. 将充电线插入耳机USB接口，连接电源进行充电。



App连接与操控(需与主机连接)

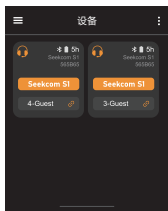
1. 在手机应用商店搜索下载“Comica Audio” App;



Comica Audio

2. 开启手机蓝牙，与主机靠近；

3. 打开App，搜索并添加设备：Seekcom S1；



4. 连接成功后可通过App查看设备状态和操控各项功能。



1. 如蓝牙配对异常，或设备需要连接新的手机，请长按5秒重置蓝牙按键。
2. 闪避模式切换、录音师模式、一对一通话、全局PTT、提示音语言切换等功能须通过APP进行设置或切换。

■ 升级

固件升级

1. 在科唛官网下载Seekcom S1固件升级包至电脑；
2. 关机后同时长按音量+和电源按键进入拷贝模式，将固件升级包拷贝至 Seekcom S1-UPDATE文件夹中；
3. 断开USB连接后重启设备即可自动升级。

蓝牙连接升级

打开“Comica Audio” App连接设备后，进入设备主页，点击右上角设置图标—通用—固件升级。

规格参数

无线频段	2402~2480MHz
无线发射功率	21dBm
无线接收灵敏度	-97dBm
调制方式	GFSK
工作距离	约500米（视距）
麦克风灵敏度	-37dB±1dB @94dBSPL, 1kHz
麦克风声压级	115dBSPL @1kHz, 3% THD
频率响应	150Hz ~ 7kHz
信噪比	70dB @94dBSPL, 1kHz
系统失真	1% @94dBSPL, 150Hz ~ 7kHz
输出声压级	98dBSPL（典型值）@94dBSPL, 1kHz
环境噪音衰减	ENC降噪: >20dB AI降噪: >40dB
USB音频规格	48kHz/16bit
USB充电规格	5V/1A
3.5mm接口	TRRS带麦耳机 / TRS LINE IN
电池类型	锂聚合物 S005E 1000mAh 3.7V（可更换）
充电时间	约2小时
续航时间	约12小时
净重	190g（无电池） / 212.5g（带电池）
尺寸	167 x 93 x 197mm（收纳外形尺寸）
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ 60℃



扫二维码关注
科唛官方公众号



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COMICA科唛

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