

AI Voice Recorder Echo PRO

Operation Manual

蓝牙录音设备操作说明书

产品规格 / Product Specifications

规格项目 Specification	参数 Parameter	备注说明 Notes
传输方式 <i>Transmission Method</i>	2.4G 蓝牙 BT5 2.4G Bluetooth BT5	-
数据上云方式 <i>Data Upload Method</i>	蓝牙连接手机传输到云端 Bluetooth connection to mobile device, then to cloud	-
外形尺寸 <i>Dimensions</i>	3.5mm × 86mm × 55mm (厚度×长×宽 / Thickness × Length × Width)	-
重量 <i>Weight</i>	30g	-
充电接口 <i>Charging Interface</i>	四点接触式磁吸 4-pin magnetic contact	5V/500mA

规格项目 Specification	参数 Parameter	备注说明 Notes
电池容量 <i>Battery Capacity</i>	500mAH	-
工作时长 <i>Operating Time</i>	>10 小时 / >10 hours	录音/传输功耗比 5:1 Recording/Transmission ratio 5:1
存储容量 <i>Storage Capacity</i>	32GB	-
拾音范围 <i>Microphone Range</i>	双硅麦, 3 米以内 Dual silicon mic, within 3 meters	全段降噪 Full-range noise reduction
控制界面 <i>Control Interface</i>	2 个按键, 3 个双色 LED 2 buttons, 3 dual-color LEDs	-

操作说明 / Operation Instructions

使用场景 Usage Scenario	操作步骤 Operation Steps	指示灯状态 LED Status
首次开机录音 <i>Initial Power On & Recording</i>	 推电源键向上 Push power switch up → 开始录音（每 10 分钟自动分段存本地） → Start recording (auto-segment every 10 minutes) → 蓝牙搜索 → Bluetooth search	 白灯常亮 White LED solid on  蓝灯渐亮渐灭 Blue LED breathing (周期 1 秒, 80%亮度) (1-second cycle, 80% brightness)
暂停/恢复录音 <i>Pause/Resume Recording</i>	 圆形键双击 → 暂停 Double-click round button → Pause  再次双击 → 恢复 Double-click again → Resume	 暂停时：白灯低亮呼吸 Paused: White LED dim breathing (周期 2 秒 / 2-second cycle)  恢复时：白灯常亮 Resumed: White LED solid on
关机 <i>Power Off</i>	 拉电源键向下 Pull power switch down → 录音存本地 → Save recording locally → 蓝牙连接时上传完自动关机 → Auto-shutdown after upload when Bluetooth connected	 白灯熄灭 White LED turns off

使用场景 Usage Scenario	操作步骤 Operation Steps	指示灯状态 LED Status
查看电量 <i>Battery Check</i>	 圆形键单击 Single-click round button	 红灯 1-3 颗显示电量 Red LEDs show battery level 1 格 ≤ 30% / 1 LED ≤ 30% 2 格 30%-60% / 2 LEDs 30%-60% 3 格 > 60% / 3 LEDs > 60%
蓝牙配对 <i>Bluetooth Pairing</i>	 圆形键长按 5 秒 Long-press round button for 5 seconds → 重新配对设备 → Re-pair device	 蓝灯渐亮渐灭 Blue LED breathing (周期 1 秒, 80%亮度) (1-second cycle, 80% brightness)
蓝牙已连接 <i>Bluetooth Connected</i>	配对成功后自动连接 Auto-connect after successful pairing → 本地录音上传 APP → Upload local recordings to APP	 蓝灯微光常亮 Blue LED dim solid (10%亮度 / 10% brightness)
切换实时模式 <i>Real-time Mode</i>	 APP 下发指令 APP command → 录音实时上传转写/翻译 → Real-time upload for transcription/translation	 蓝灯常亮 Blue LED solid (100%亮度 / 100% brightness)

使用场景 Usage Scenario	操作步骤 Operation Steps	指示灯状态 LED Status
充电中 <i>Charging</i>	 连接磁吸充电器 Connect magnetic charger	 红灯缓慢呼吸 Red LED slow breathing (类似心跳 / heartbeat-like pattern)
充满电 <i>Fully Charged</i>	充电完成 Charging complete	 红灯常亮 Red LED solid on
低电量提醒 <i>Low Battery Warning</i>	电量不足时自动提示 Auto-prompt when battery low	 红灯每 5 秒亮 1 次 Red LED blinks once every 5 seconds
异常状态 <i>Error Status</i>	操作错误或设备故障 Operation error or device malfunction	 黄灯快闪 Yellow LED fast blinking (0.2 秒亮→0.2 秒灭→循环) (0.2s on → 0.2s off → repeat)
USB 模式 <i>USB Mode</i>	 连接电脑 Connect to computer (通过磁吸充电线 / via magnetic charging cable)	 蓝灯低亮呼吸 Blue LED dim breathing (周期 2 秒 / 2-second cycle)

功耗规格 / Power Consumption Specifications

工作状态 Operating State	功耗 Power Consumption	备注 Notes
待机功耗 <i>Standby Power</i>	10mA	-
录音功耗 <i>Recording Power</i>	25mA	-
传输功耗 <i>Transmission Power</i>	50mA	-
充电规格 <i>Charging Specification</i>	5V/500mA/2.5 小时 5V/500mA/2.5 hours	-

合规信息 / Regulatory Information

项目 Item	规格 Specification
蓝牙标准 <i>Bluetooth Standard</i>	BT5

项目 Item	规格 Specification
工作频率 <i>Operating Frequency</i>	2.4GHz ISM Band
录音格式 <i>Recording Format</i>	Opus (约 15MB/小时 / approximately 15MB per hour)
法规遵循 <i>Regulatory Compliance</i>	FCC Part 15 - 故意辐射器 FCC Part 15 - Intentional Radiator

FCC 警告/FCC Warning:

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.