WEBIRD SMART SKI HELMET

WEBIRD

SAFETY WARNING!

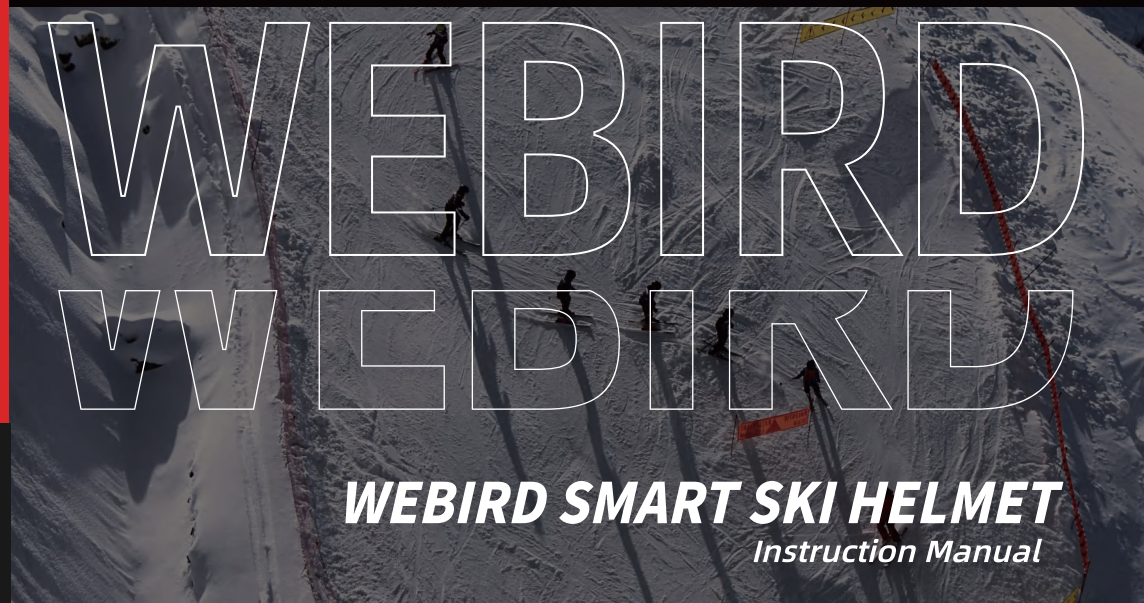
FASTEN THE STRAPS SECURELY WHEN USING THE HELMET;
DO NOT USE THE HELMET AFTER A SIGNIFICANT IMPACT;
DO NOT CLEAN THE HELMET WITH CORROSIVE SOLVENTS;
WEARING A HELMET CORRECTLY CAN EFFECTIVELY REDUCE SPORTS INJURIES BUT CANNOT COMPLETELY PREVENT THEM.

DESIGNED IN HONGKONG
WEB:www.webirdski.com
Email:contact@webirdski.com

CHANGE YOUR SKIING
COMMUNICATION METHOD

WEBIRD

WEBIRD



WEBIRD SMART SKI HELMET

Instruction Manual

WEBIRD

滑翔鸟智能滑雪头盔
使用说明书

WEBIRD·滑翔鸟智能滑雪头盔是一款专为滑雪运动设计的智能穿戴设备，集成了灯光控制、音乐播放、WiFi联网、GPS轨迹记录、AI语音助手、组队对讲等丰富功能，为您的滑雪之旅提供安全、便捷、智能的全方位体验。

自由逐风·畅滑无限

contents
目录

产品外观与介绍	1
开机与关机	2
蓝牙连接	2
播放音乐	2
电话功能	2
组队对讲功能	3
AI语音助手	3
WiFi联网	4
灯光效果	4
SOS预警检测	4
充电说明	4
充电指示灯状态	5
指示灯状态说明	5
无线功能概述	5
安全警告	6
按键操作速查表	6
恢复出厂设置	6
维护与保养	7
软件下载	8



①	开机键/组队按钮/音量旋钮	旋转调节音量，短按播放/暂停，长按3秒开机，长按5s进行附近组队，短按两次挂断电话、短按一次静音
②	PTT对讲按键	对讲发言、短按一次接听电话、短按两次挂断电话
③	Type-C充电口	充电
④	LED指示灯带	状态指示（开机/关机/充电/灯光效果等可在APP内设置）
⑤	麦克风	语音通话、对讲、语音指令拾音
⑥	扬声器	音乐播放、语音播报、通话外放

1.开机与关机

·开机：长按电源键3秒，白色呼吸灯持续闪烁，期间持续连接网络，直至绿色灯光扫描一圈，语音提示"连接网络成功/失败"

·关机：唤醒AI助手后说"小库小库，关机"。绿色灯光扫描一圈后呼吸闪烁，语音提示"已关机"

·另外一种关机方式:在"APP-设备"路径点击关机按钮

2. 蓝牙连接

连接手机

1. 确保头盔已开机
2. 打开手机蓝牙功能
3. 打开APP，进入设备页面,点击+号,通过搜索蓝牙添加头盔设备（名称： CM-XXXXX）
4. 连接BlE蓝牙成功，可进行组队、灯光控制操作
5. 打开手机蓝牙,找到WEBIRD-XXXXX，点击连接后可进行音乐播放/通话等操作

断开连接

在手机蓝牙设置中"忽略"或"断开"头盔设备即可

经典蓝牙断开100秒后自动清除连接状态

3. 播放音乐

播放/暂停： 短按电源键/音量旋钮，或直接说"小库小库，播放音乐"/"小库小库，暂停播放"

上一曲/下一曲： 直接说"上一首"或"下一首"

音量调节： 旋转音量旋钮调节音量，或说"小库小库，调高音量"/"小库小库，调低音量"

4. 电话功能

接听来电： 有来电时，短按PTT键1下，或说"小库小库，接听电话"

拒接来电： 有来电时，快速双击PTT键/音量键，或说"小库小库，拒接来电"

挂断来电： 通话中快速双击PTT键/音量键

| 注意：通话期间，对讲功能将被占用，无法同时使用。

5. 组队对讲功能

创建/加入队伍

- **·通过App创建队伍：** 在APP中创建团队，队友可输入队伍号和密码加入
- **·按键组队：** 长按音量键5秒进入组队模式，系统自动搜索附近1米以内的队伍并自动匹配（ble蓝牙信号值<-80dBm）

对讲模式（TRTC和MQTT）

- **·TRTC：** 多人同时自由通话，类似电话会议，无需按键操作
- **·MQTT（默认模式）：** 按住PTT键发言，松开发送，类似对讲机操作。可在APP中切换模式
  MQTT需要先将头盔通过WIFI或者手机热点联网

退出队伍

唤醒AI助手后说"退出组队"，或通过APP操作退出

6. AI语音助手

唤醒方式： 唤醒词："小库小库"或"你好小库"（中文模式）/ "Hi WEBIRD"（英文模式）
中英文模式可在APP中切换（切换的是头盔语音播报的语言，唤醒词语言模式不变）

常用语音指令

功能类别	指令示例
关机	“关机”
音乐控制	“播放音乐"、"暂停播放"、"上一首"、"下一首”（无需唤醒）
音量控制	“调高音量"、"调低音量”
灯光控制	“打开灯光"、"关闭灯光"、"打开队伍灯"、"打开音乐灯”
电话控制	“接听电话"、"拒接来电”
状态查询	“当前电量是多少"、"当前网络状态”
组队管理	“退出组队"、"解散队伍”
影像控制	“拍照"、"开始录像"、"停止录像”（需搭配WEBIRD智能滑雪眼镜使用）

注：音乐播放/暂停、上一首/下一首、拍照、录像等指令支持免唤醒直接说出。

7. WiFi联网

配网方式

- **· APP配网：** 打开App-设备-头盔详情-WiFi设置，填入附近的WiFi或者手机热点，将头盔联网（2.4GHz频段）

8. 灯光效果

头盔LED灯带支持多种灯光模式，可通过语音或APP切换：

灯光模式	效果说明
队伍灯	与队伍颜色匹配的灯光效果
新手灯	绿色呼吸灯（周期4秒）
大师灯	橙色呼吸灯（周期3秒）
音乐灯	跟随音乐节奏闪烁律动
等级灯	预设动感灯效

9. SOS预警检测

·滑行过程中摔倒会自动识别
·Ai语音询问您是否安好
·如无反应，自动短信通知预留的紧急联系人，发送您的位置
·短时间内多次摔倒，主动提醒：注意头部安全，停止滑行

充电说明

项目	参数
充电接口	Type-C
音乐控制	输入电压

充电指示灯状态

电量范围	指示灯颜色
20%以下	红色
20% - 50%	黄色
50% - 80%	橙色
80%以上	绿色

·充电时设备自动关机，断开充电后自动开机

指示灯状态说明

状态	灯光表现
开机启动	白色呼吸灯闪烁→ 绿色灯光扫描一圈→ 熄灭
关机	绿色灯光扫描一圈 → 呼吸闪烁 → 熄灭
电量20%以下	红色灯光
电量20%-50%	黄色灯光
电量50%-80%	橙色灯光
电量80%以上	绿色灯光
恢复出厂设置	白灯呼吸闪烁两下 → 绿灯呼吸闪烁两下
故障提示	红色呼吸灯

无线功能概述

本设备包含以下无线功能模块：

无线功能	指示灯颜色	用途
蓝牙 BLE	2.4 GHz	与APP通信、状态同步、指令传输
经典蓝牙	2.4 GHz	音乐播放、电话通话
WiFi	2.4 GHz	网络连接、OTA升级、对讲服务、AI语音服务
GPS	1.5 GHz 定	定位与轨迹记录

安全警告

1. 请勿私自拆卸或改装本设备，否则可能导致保修失效。
2. 请勿在超过40℃的高温环境下充电或存放设备。
3. 本设备不具备防水浸泡功能。请勿将头盔完全浸入水中。在小雨或雪中使用后，请及时擦干充电接口处的积水。
4. 请使用原装或合规的充电器进行充电，避免使用劣质充电器导致设备损坏。
5. 充电时设备会自动关机，属于正常保护机制。
6. 长时间不使用时，请每个月为设备充电一次，以保持电池健康。
7. 请勿将设备投入火中，内置电池可能爆炸。

按键操作速查表

操作	功能
长按电源键3秒	开机
长按电源键5秒（空闲时）	进入组队模式
旋转音量旋钮	调节音量
短按音量旋钮	播放/暂停音乐
短按PTT键1下（来电时）	接听来电
双击PTT键（来电时）	拒接来电
双击PTT键（通话中）	挂断电话

恢复出厂设置

同时按住开机键和PTT键持续5秒，白色呼吸灯闪烁两下后绿色呼吸灯闪烁两下，设备自动重启并恢复出厂设置。

| 恢复出厂设置将清除所有配对信息和网络配置，请谨慎操作。

维护与保养

1. 使用后请用干净软布擦拭头盔表面，保持清洁干燥。
2. 充电接口处应避免积水和灰尘，充电前请确认接口干燥。
3. 长期存放前请将电量充至50%左右，存放于阴凉干燥处。
4. 建议每3个月进行一次完整充放电以保持电池活性。

本说明书最终解释权归本公司所有。产品功能可能因固件版本不同而略有差异，请以实际使用为准。

扫码下载webird App使用完整设备功能

WEBIRD

WEBIRD
Smart Ski Helmet – User Manual

WEBIRD Smart Ski Helmet is an intelligent wearable device designed specifically for skiing. It integrates LED light control, music playback, Wi-Fi connectivity, GPS tracking, AI voice assistant, team intercom, and other rich features, delivering a safe, convenient, and intelligent experience for your skiing adventures.

Ski Smarter.
Stay Connected.
Communication, recording, and progress–built into every run.

contents

Product Appearance & Overview	1
Power On / Off	2
Bluetooth Connection	2
Music Playback	2
Phone Calls	2
Team Intercom	3
AI Voice Assistant	3
Wi-Fi Connectivity	4
Wear Detection	4
LED Light Effects	4
Charging Instructions	4
Charging Indicator Status	5
LED Indicator Status Reference	5
Wireless Function Overview	6
Safety Warnings	6
FCC Statement	6
Button Operation Quick Reference	7
Factory Reset	7
Maintenance & Care	7



①	Power Key /Volume Knob	Rotate to adjust volume; short press to play/pause music; long press 3s to power on; long press 5s to enter nearby team pairing mode; double-click to hang up calls; single press to mute
②	PTT (Push-To Talk) Button	Press-and-hold to talk during intercom; short press once to answer calls; double-click to hang up calls
③	Type-C Charging Port	For charging
④	LED Light Strip	Status indicator (power on/off, charging, light effects, etc.)
⑤	Microphone	Voice calls, intercom, voice command pickup
⑥	Speaker	Music playback, voice announcements, hands-free calling

1. Power On / Off

·**Power On:** Long press the Power Key for 3 seconds. The white breathing light flashes while connecting to the network. Once the green light sweeps across and the voice prompt announces "Network connected" or "Network connection failed", the helmet is ready.
·**Power Off:** Wake the AI assistant and say "Hi Webird, power off". The green light sweeps across, then breathes and fades out, with a voice prompt "Powering off".
Another way to shut down: click the shutdown button in the "APP-Device" path.

2. Bluetooth Connection

Connecting to a Phone

1. Ensure the helmet is powered on.
2. Turn on Bluetooth on your phone.
3. Open the APP, go to the device page, click the "+" sign, and add the helmet device (name: CM-XXXXX) via Bluetooth search
4. Successfully connected to the Bluetooth via BLE, enabling team formation and lighting control operations
5. Turn on your phone's Bluetooth, find WEBIRD-XXXXX, and click to connect for music playback, calls, and other operations

Disconnecting

In your phone's Bluetooth settings, choose "Forget" or "Disconnect" for the helmet device.
Classic Bluetooth pairing information is automatically cleared 100 seconds after disconnection.

3. Music Playback

Play / Pause: Short press the Power Key / Volume Knob, or directly say "Hi Webird, play music" / "Hi Webird, pause music"
Previous / Next Track: Say "Previous song" or "Next song" directly.
Volume Adjustment: Rotate the Volume Knob, or say "Hi Webird, volume up" / "Hi Webird, volume down".

4. Phone Calls

Answer a Call: When a call comes in, short press the PTT Button once, or say "Hi Webird, answer call".
Reject a Call: When a call comes in, quickly double-click the PTT Button or Volume Knob, or say "Hi Webird, reject call".
Hang Up: During a call, quickly double-click the PTT Button or Volume Knob.

Note: The intercom function will be unavailable during a phone call.

5. Team Intercom

Creating / Joining a Team

- **·Create a Team via App:** Create a team in the App. Teammates can join by entering the team ID and password.
- **·Button Pairing:** Long press the volume down button for 5 seconds to enter team formation mode. The system will automatically search for nearby teams within a range of 1 meter and match you with them (BLE signal strength < -80dBm).

Intercom Modes (TRTC and MQTT)

- **·TRTC:** Full-duplex – multiple people can talk simultaneously, similar to a conference call. No button press needed.
- **·MQTT (Default):** Half-duplex – press and hold the PTT Button to talk, release to listen, similar to a walkie-talkie. The mode can be switched in the App.MQTT requires the helmet to be connected to the internet through WIFI or a mobile hotspot first

Leaving a Team

Wake the AI assistant and say "Leave team", or leave via the App.

6. AI Voice Assistant

Wake-up Methods

Wake-up word: "Hi Webird" or "Hello Webird" (English mode) / "小库小库" or "你好小库" (Chinese mode).
The language mode can be switched in the App (this changes the language of voice prompts; the wake-up word language setting remains unchanged).

Common Voice Commands

Category	Command Examples
Power Off	“Power Off”
Music Control	"Play music", "Pause music", "Previous song", "Next song" (no wake-up needed)
Volume Control	"Volume up", "Volume down"
Light Control	"Turn on lights", "Turn off lights", "Turn on team light", "Turn on music light"
Phone Control	"Answer call", "Reject call"
Status Query	"What's the battery level", "What's the network status"
Team Management	"Leave team", "Dismiss team"
Camera Control	"Take a photo", "Start recording", "Stop recording"

Note: Music play/pause, previous/next track, take photo, and start/stop recording commands can be used directly without waking the assistant first.

7. Wi-Fi Connectivity

Network Setup

- **· App-based Setup:** Open the App - Devices - Helmet Details - WiFi Settings, enter the nearby WiFi or mobile hotspot, and connect the helmet to the internet (2.4GHz band)

8. LED Light Effects

The helmet's LED light strip supports multiple lighting modes, switchable via voice or App:

Light Mode	Effect
Team Light	Color-matched lighting effect for your team
Beginner Light	Green breathing light (4-second cycle)
Master Light	Light Orange breathing light (3-second cycle)
Music Light	Flashes and pulses to the rhythm of the music
Level Light	Preset dynamic light effect

9. SOS Alert Detection

·Falling during gliding will be automatically recognized
·Ai voice asks if you are safe
·If there is no response, automatic SMS notification will be sent to the reserved emergency contact to send your location
·Multiple falls in a short period of time, actively remind: pay attention to head safety, stop sliding

Charging Instructions

Item	Specification
Charging Port	Type-C
Input Voltage	5V DC

Charging Indicator Status

Battery Level	Indicator Color
Below 20%	Red
20% - 50%	Yellow
50% - 80%	Orange
Above 80%	Green

The device automatically powers off when charging begins and automatically powers on when charging is disconnected.

LED Indicator Status Reference

Status	Light Behavior
Powering On	White breathing light flashes → Green light sweeps across → Off
Powering Off	Green light sweeps across → Breathing flash → Off
Battery Below 20%	Red light
Battery 20%-50%	Yellow light
Battery 50%-80%	Orange light
Battery Above 80%	Green light
Factory Reset	White light breathes twice → Green light breathes twice
System Fault	Red breathing light

Wireless Function Overview

This device contains the following wireless function modules:

Wireless Function	Frequency / Technology	Purpose
Bluetooth BLE	2.4 GHz	App communication, status sync, command transmission
Classic Bluetooth	2.4 GHz	Music playback, phone calls
WiFi	2.4 GHz	Internet connectivity, OTA updates, intercom service, AI voice service
GPS	1.5 GHz 定	Positioning and trajectory tracking

Safety Warnings

1. Do not disassemble or modify this device without authorization; doing so may void the warranty.
2. Do not charge or store the device in environments exceeding 40°C (104°F).
3. This device is not waterproof/submersible. Do not immerse the helmet completely in water. After use in light rain or snow, promptly wipe away any water accumulated around the charging port.
4. Use only the original or compliant charger for charging. Using low-quality chargers may cause device damage.
5. The device automatically powers off when charging begins – this is a normal protective mechanism.
6. When not in use for an extended period, charge the device at least once a month to maintain battery health.
7. Do not dispose of the device in fire, as the built-in battery may explode.

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

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, 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.

RF Exposure Warning: This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Button Operation Quick Reference

Operation	Function
Long press Power Key 3s	Power On
Long press Power Key 5s	Enter team pairing mode
Rotate Volume Knob	Adjust Volume
Short press Volume Knob	Play / Pause music
Short press PTT Button once (incoming call)	Answer call
Double-click PTT Button (incoming call)	Reject call
Long press Volume Knob 5s (idle)	Enter team pairing mode

Factory Reset

Press and hold the power button and the PTT Button simultaneously for 5 seconds. The white breathing light flashes twice, followed by the green breathing light flashing twice. The device will automatically restart and restore factory settings.

Factory reset will clear all pairing information and network configurations. Please proceed with caution.

Maintenance & Care

1. After use, wipe the helmet surface with a clean, soft cloth to keep it clean and dry.
2. Keep the charging port free of water and dust. Ensure the port is dry before charging.
3. Before long-term storage, charge the battery to approximately 50% and store in a cool, dry place.
4. It is recommended to perform a full charge-discharge cycle every 3 months to maintain battery health.

The final interpretation right of this manual belongs to the Company. Product functions may vary slightly depending on firmware version. Please refer to actual usage.

SCAN HERE TO DOWNLOAD APP