

Skywork note

Product User Manual

Version	Date	Update Content
V2.0	2026.01.14	Initial release
V2.1	2026.03.31	Update

Product Description

SWN100 card-type smart voice recorder designed for business professionals, government personnel, corporate employees, students, etc. Utilizing proprietary low-power recording technology, it ensures the product can meet the requirement of continuous recording for a full day while maintaining an ultra-thin design.

- **Thin as a Card, Record Anytime, Anywhere**

Featuring an ultra-thin card design with a thickness of only 3.7mm, it easily fits into wallets or pockets. Perfect for business meetings, lecture notes, or capturing inspiration—efficient recording is always at hand.

- **Direct Magnetic Attachment**

Built-in magnetic module allows secure attachment to the back of mobile phones (for phones without magnetic attachment, use the included magnetic ring). Carry it with you without worry of loss.

- **Wireless Charging**

Supports wireless charging, freeing you from cables and ensuring worry-free battery life.

- **Low Power Consumption & Long Battery Life, Extended Standby**

Equipped with an intelligent power-saving chip, a single charge provides up to 24 hours of continuous recording and up to 365 days of standby time. No need for frequent charging during business trips or travel—ready to wake up at crucial moments.



Product Usage Scenarios Example

Attached to Phone Back、Placed Inside ID Card、 Carried in Wallet

Product Hardware Specifications

Specification	Parameter
Dimensions	85 x 53 mm
Thickness	3.7 mm
Microphone	2* Silicon Mics, 1* Bone Conduction Mic
Storage Capacity	2GB
Connectivity	Bluetooth V5.3 + Dual-band WIFI (2.4GHz & 5GHz)
Transmission Speed	Bluetooth: Android >80kbps, iOS >30kbps; Wi-Fi >20Mbps
Touch Button	Long press 1.5s to start/stop recording; short press to wake/mark
Charging Method	Wireless Charging + Wired Charging
Battery	130 mAh
Recording Distance	10m (recommended 1–3m)
Recording Duration	24 hours
Standby Duration	365 days
Charging Time	100 minutes

Product Software Features

Feature	Description
Dual-Mic Recording & Storage	Microphone recording stores audio within the device.
Bluetooth Real-Time Audio Transmission	Microphone recording transmits audio to the mobile app via Bluetooth in real time.
Bluetooth Audio Transmission	Transfers stored audio from the device to the app via Bluetooth.
WIFI Fast Audio Transfer	Transfers stored audio from the device to the app via WIFI.
Battery Level Detection	Detects battery level, displays low battery via indicator, and transmits battery info to the app.
Real-Time Time Synchronization	Automatically syncs system time when connected via Bluetooth or WIFI.
Dual-Layer VAD Detection	In recording mode, supports automatic sleep when no sound is detected and automatic recording when sound is detected.
Recording Mode Selection	Supports selection between normal recording and phone call recording.

Android & IOS App

Feature	Description
Speech-to-Text	Converts audio to text using a large language model.
Real-Time Speech-to-Text	Receives audio from the device via Bluetooth in real time and converts it to text using a large language model.
WIFI Fast Audio Transfer	Receives stored audio from the device via WIFI.
Bluetooth Audio Transfer	Receives stored audio from the device via Bluetooth.
Audio Playback	Plays recorded audio files on the mobile phone.
Large Model Services	Supports ChatGPT and Doubao.
Speaker Differentiation	Supports differentiation of 3-5 speakers in a conversation.
Summary Templates	Universal, Meeting, Consultation, Call, Speech, Explanation; can generate corresponding mind maps.

Category	Scenario	Description
Power On / Pairing LED Status	Waiting for APP pairing, battery < 20%	【Indicator】 Red light flashes. If not paired within 30 seconds, it turns off.
	Waiting for APP pairing, battery ≥ 20%	【Indicator】 Green light flashes. If not paired within 30 seconds, it turns off.
	App paired successfully, battery <20%	【Indicator】 Red light stays on for 5s, then turns off.
	App paired successfully, battery ≥20%%	【Indicator】 Green light stays on for 5s, then turns off.
Power Off	Battery <3%	Auto Power Off
Charging LED Status (Magnetic or Wireless)	Charging, battery <20%	【Indicator】 Red LED breathes.
	Charging, 80% ≤ battery <100%	【Indicator】 Green LED breathes.
	Fully Charged	【Indicator】 Green LED stays on.
Recording LED Status	Recording start (battery >20%)	【Status Light】 Blue recording LED stays on.
	Recording stop	【Status Light】 Blue recording LED turns off.
	Recording start (battery <20%)	【Status Light】 Blue recording LED stays on; 【Indicator】 red LED flashes for 5s then turns off.
Charging+Recording LED Status(Magnetic or Wireless)	Recording Start	Consistent with recording status indication
	Recording Stop	Consistent with charging status indication
Double-Click Button (during recording)	Paused state	【Status Light】 Red pause LED on; (Motor)short vibration once.
Single-Click Button (during recording pause)	Resumes from paused state	【Status Light】 Red pause LED turns off.
Single-Click Button	Short press	Wake device (can power on from off state).
	Long press 12s	System recovery from abnormal state.
	Long press 1s	Motor long vibration once; starts recording (can start recording from off state)
	Long press 1s again	Stops recording; vibrates twice.
Single-click Button (Precondition: In recording state)	Mark important point	【Status Light】 Recording blue light quick flashes once, then continues steady on
Storage Status	Storage Full	【Indicator】 Green and red lights show yellow steady on
Auto Sleep	No recording/transfer for 30s	Enters sleep mode; Bluetooth remains connected (press button to wake).
Auto Power Off	No recording/transfer for 24 hours	Powers off automatically (press button to wake).

Standards & Compliance Requirements

Standard	Specification
Reliability	IEC 60068-2
Design Life	>3 years
ESD	Contact ±6KV, Air ±8KV

Certifications	FCC, CE, RoHS, etc.
Battery	3C, UN38.3, etc.

Disclaimer

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Warning message

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. The SAR limit of USA (FCC) is 1.6 W/kg averaged. Device types: Skywork note (FCC ID: 2BUX9-SWN100) has also been tested against this SAR limit. SAR information can be viewed on - line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the device FCC ID number for search. This device was tested simulation typical 0mm to body. To maintain compliance with FCC RF exposure requirements, use accessories should maintain a separation distance between the user's bodies mentioned above, use accessories should not contain metallic components in its assembly, the use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

This device has been tested and meets the RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the device a minimum of 0mm from the body. Noncompliance with the above restrictions may result in violation of RF exposure guidelines.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment.

This EUT is compliance with SAR for general population/uncontrolled exposure limits (1.6W/kg) in ISED RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEC/IEEE 62209-1528. This equipment should be installed and operated with minimum distance 0 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à utiliser l'équipement.

Déclaration d'exposition RF:

L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé.

Cet appareil est conforme aux limites (1.6W/kg) d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEC/IEEE 62209-1528. Cet appareil doit être installé et utilisé avec une distance minimale de 0 cm entre l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

5150-5250 MHz Indoor Use Only!