

Hwagol 4in1 Smart Glasses

Hwagol 4-in-1 Smart Glasses Instruction Manual

Model: 4in1 Smart Glasses

1. INTRODUCTION

Thank you for purchasing the Hwagol 4-in-1 Smart Glasses. These innovative glasses integrate multiple functions including an 8MP camera for photo and video recording, open-ear audio for calls and music, voice control, and real-time translation. Designed for convenience and versatility, they offer a hands-free experience for various activities.

Please read this manual thoroughly before using the product to ensure proper operation and to maximize your experience.

2. PRODUCT OVERVIEW

The Hwagol 4-in-1 Smart Glasses combine advanced technology with a lightweight, comfortable design. Key features include:

- **8MP HD Camera:** Capture high-resolution photos and stable 1080P videos.
- **Open-Ear Audio:** Bone conduction technology for clear sound without blocking ambient noise, enhancing safety.
- **Bluetooth 5.4 Connectivity:** Seamless connection for calls, music playback, and voice assistant interaction.
- **AI Voice Assistant:** Hands-free control for various functions, including camera, recording, calls, and intelligent photo analysis.
- **Real-time Translation:** Supports multiple languages for barrier-free communication.
- **ENC Noise Reduction:** Dual microphones with environmental noise cancellation for clear calls.
- **IP65 Water and Sweat Resistance:** Suitable for daily use and light splashes.
- **Long Battery Life:** 290mAh battery supporting up to 12 hours of music playback.
- **Photochromic Lenses:** Lenses automatically change color based on UV intensity, providing clear vision indoors and sun protection outdoors.



Image: Overview of Hwagol Smart Glasses features, including camera, translation, calls, music, recording, and AI interaction.

3. SETUP

3.1 Charging the Device

Before first use, fully charge the smart glasses. Connect the provided Type-C charging cable to the 2-pin magnetic charging port on the glasses and to a USB power adapter (not included).

- Charging time: Approximately 2 hours for a full charge.
- A full charge provides up to 12 hours of music playback or 4 hours of continuous talk time.



Image: Close-up of the smart glasses showing the magnetic charging port.

3.2 Powering On/Off

- **Power On:** Long press the physical button on the temple arm for 2 seconds.
- **Power Off:** Long press the physical button on the temple arm for 5 seconds.

3.3 App Installation and Connection

To access all smart features, download and install the "HeyCyan" app on your smartphone (iOS/Android compatible).

1. Install the "HeyCyan" app from your device's app store.
2. Open the app.

3. Ensure your smart glasses are powered on.
4. The app will prompt you to search for compatible models. Select your Hwagol Smart Glasses.
5. Confirm the connection within the app.
6. Connect via Bluetooth (BT) as prompted.



Image: A woman wearing the smart glasses, with a smartphone displaying the "HeyCyan" app interface for translation.

4. OPERATING INSTRUCTIONS

4.1 Controls: Smart Touch and Physical Buttons

The smart glasses feature both touch sensors and physical buttons on the temple arms for easy control.



Image: Diagram illustrating the location and functions of smart touch and physical buttons on the smart glasses.

Control Functions

Function	Action	Control Type
Power On	Long press for 2 seconds	Physical Button
Power Off	Long press for 5 seconds	Physical Button
Play/Pause Music	Single tap	Touch Sensor
Previous Track	Triple-click	Touch Sensor

Function	Action	Control Type
Next Track	Long press	Touch Sensor
Increase Volume	Swipe forward	Touch Sensor
Decrease Volume	Swipe backward	Touch Sensor
Answer/End Call	Single tap	Physical Button
Reject Call	Double tap	Physical Button
Take Photo	Single tap	Physical Button (Front)
Start/Stop Video Recording	Double tap (ON), Single tap (during recording: Pause/Resume)	Physical Button (Front)
Start/Stop Recording (Audio)	Long press (ON), Single tap (OFF)	Physical Button (Rear)
Activate AI Assistant	AI Wake-up (Voice command)	Voice Control
AI Image Recognition	Double tap (ON)	Physical Button (Rear)
AI Chat	Single tap (ON)	Physical Button (Rear)

4.2 Camera Functions

The integrated 8MP HD camera allows you to capture moments from a first-person perspective.

- **Photo Capture:** Single tap the front physical button.
- **Video Recording:** Double tap the front physical button to start. Single tap during recording to pause/resume. The glasses support stable 1080P video recording for up to 12 minutes per session.



Image: A close-up of the smart glasses highlighting the integrated 8MP HD camera.

リアルタイム音声録音、 録音しながら保存

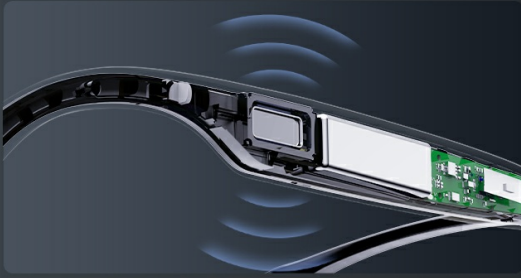


Image: A first-person view of a motorcyclist, demonstrating the video recording capability of the smart glasses.

4.3 Audio Functions (Calls & Music)

The open-ear bone conduction audio system allows you to listen to music and take calls while remaining aware of your surroundings.

- **Music Playback:** Control playback, volume, and track selection using the touch sensors.
- **Phone Calls:** Answer, end, or reject calls using the physical button. ENC dual microphones ensure clear communication by reducing environmental noise.

鮮明な映像を録画、 揺れなし

撮影に忙しくて、お子様のバースデーケーキのフロスティングを手伝う時間がない？ もう心配はいりません！ スマートグラスを装着すれば、両手が撮影に集中できます。操作に気を取られる心配もありません。

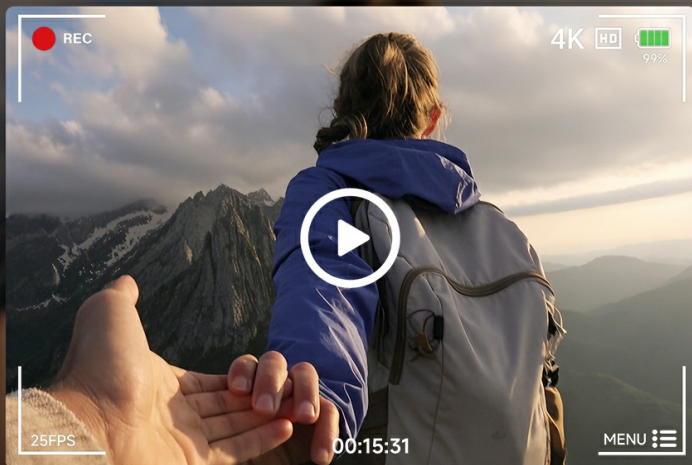


Image: Illustration of the open-ear audio system on the smart glasses, showing sound waves directed towards the ear.

4.4 AI Voice Assistant & Translation

Engage with the built-in AI assistant for hands-free control and real-time translation.

- **Activating AI:** Simply say "Hey Cyan" to activate the voice assistant.
- **Voice Commands:** Use voice commands for functions like "Open video recording," "Will it rain tomorrow morning?," or "Recommended restaurants nearby."
- **Real-time Translation:** The AI assistant supports real-time translation for over 139 languages, facilitating communication in diverse environments.
- **AI Image Recognition:** Double tap the rear physical button to activate AI image recognition, allowing the glasses to identify objects, text, and landmarks.

電話に出て音楽を聴く

双方向指向性サウンド配信により、
プライバシーが確保されます。
Bluetooth通話でも音楽再生でも、
高音質オーディオがクリアな音質を実現します。



Image: A man wearing the smart glasses, with speech bubbles showing interaction with the AI assistant ("Hey Cyan").

IP65+防塵・防水



Image: A woman in a cafe, wearing the smart glasses, with AI image recognition identifying items on a menu.

5. MAINTENANCE

5.1 Cleaning

- Wipe the lenses and frame with a soft, clean microfiber cloth.
- For stubborn smudges, use a lens cleaning spray specifically designed for eyewear.
- Avoid using abrasive cleaners, solvents, or alcohol-based solutions, as these can damage the lenses or frame.

5.2 Storage

- Store the smart glasses in their protective case when not in use to prevent scratches and damage.
- Avoid exposing the glasses to extreme temperatures (hot or cold) or direct sunlight for extended periods.

5.3 Lens Replacement

The lenses are flat and removable, allowing for replacement with prescription lenses if needed.

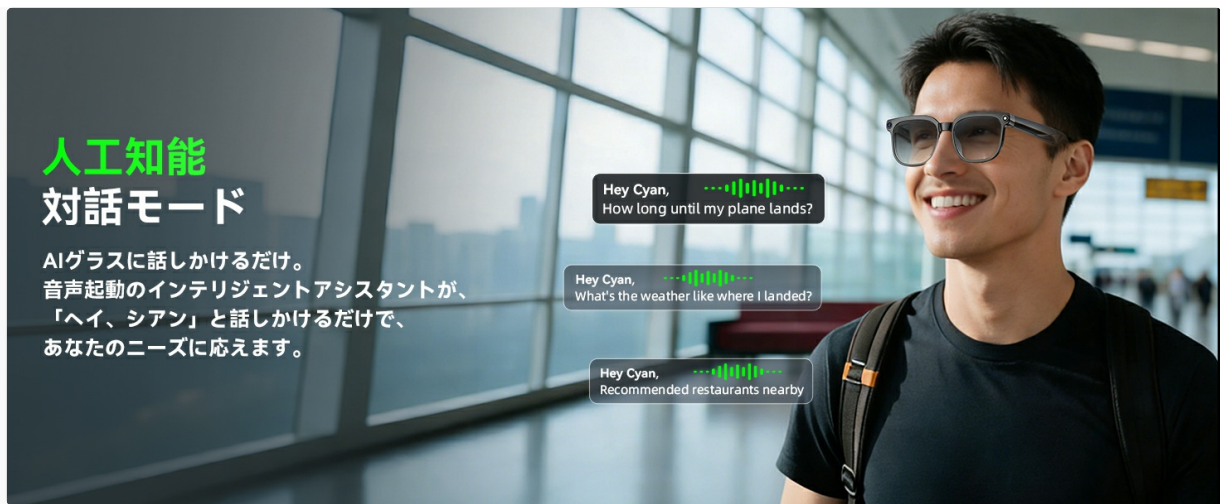


Image: The smart glasses with lenses detached, illustrating their removable design for potential replacement.

6. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is charged. Connect to the charger and try again.
- **Cannot connect via Bluetooth:**
 - Make sure the glasses are powered on and in pairing mode.
 - Ensure Bluetooth is enabled on your smartphone.
 - Restart both the glasses and your smartphone.
 - Check the "HeyCyan" app for connection status and troubleshooting steps.
- **Audio issues (no sound/poor quality):**
 - Check the volume level on both the glasses and your connected device.
 - Ensure the glasses are properly positioned on your head for optimal bone conduction.
 - Verify the Bluetooth connection is stable.
- **Camera not recording/taking photos:**
 - Check if the internal storage is full.
 - Ensure the glasses have sufficient battery.
 - Confirm you are using the correct button action (single tap for photo, double tap for video).
- **AI Assistant not responding:**
 - Ensure the glasses are connected to the "HeyCyan" app and have an active internet connection (for translation and some AI features).
 - Speak clearly and at a normal volume.

7. SPECIFICATIONS

Feature	Detail
Model	4in1 Smart Glasses
Brand	Hwagol

Feature	Detail
Camera Resolution	8 Megapixels (2K photos, 1080P video)
Connectivity	Bluetooth 5.4
Battery Capacity	290 mAh
Music Playback Time	Up to 12 hours
Talk Time	Up to 4 hours
Charging Port	2-pin Magnetic Type-C
Water Resistance	IP65 (Dust and splash resistant)
Operating System Compatibility	iOS, Android
Weight	Approximately 45g
Internal Storage	32 GB
Display Type	TP (Touch Panel)
Screen Size	1 inch
Resolution	2560 x 1440

8. WARRANTY INFORMATION

Specific warranty details are not provided in the product information. Please refer to the packaging or contact Hwagol customer support for warranty terms and conditions.

9. SUPPORT

For further assistance, technical support, or inquiries, please refer to the contact information provided on the product packaging or the official Hwagol website.