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› Mingtawn W610 AI Smart Glasses User Manual

Mingtawn W610

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Model: W610

1. INTRODUCTION

Welcome to the Mingtawn W610 AI Smart Glasses user manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your new smart glasses. Please read this manual thoroughly before using the device to ensure optimal performance and safety.



Figure 1.1: Mingtawn W610 AI Smart Glasses and companion application interface.

2. PRODUCT OVERVIEW

2.1 Key Features

- **4K HD Video Recording:** Built-in 800W HD camera supports 2K image capture and 1080P video recording with anti-shake algorithm.
- **Automatic Phone Sync:** Low-power BT5.3 chip and Wi-Fi dual transmission for real-time transfer of media to your phone.
- **Object Recognition:** Automatically identifies objects, menus, landmarks, and plants using a built-in ChatGPT model.
- **Voice-Assisted Chat and Calling:** ENC dual microphones for noise reduction, touch controls for volume, call management, and voice assistant activation.
- **Long Battery Life:** 270mAh battery provides 15 hours of music playback and 7 days of standby.
- **Durable Design:** Ultra-light at 35g, made from skin-friendly material, IP65 waterproof and sweatproof.

2.2 Components

The Mingtawn W610 AI Smart Glasses consist of the following main components:

- Integrated HD Camera
- Microphones (Dual ENC)
- Speakers (Integrated into temples)
- Control Buttons/Touch Area (on temples)
- Charging Port
- Status Indicator Light

Product Core Functions

**High-definition 800W camera
(interpolated pixels 32MP)**

Photography /
video recording (anti-shake)



Figure 2.1: Detail of the integrated 800W HD camera on the smart glasses.

3. SETUP

3.1 Charging the Device

Before first use, fully charge your Mingtawn W610 AI Smart Glasses. Connect the provided charging cable to the charging port on the glasses and a compatible USB power adapter. The status indicator light will show charging

progress and completion.

3.2 Powering On/Off

- **To Power On:** Press and hold the main control button (location specified in product diagram, if available) for approximately 3 seconds until the indicator light illuminates.
- **To Power Off:** Press and hold the main control button for approximately 5 seconds until the indicator light turns off.

3.3 App Installation and Pairing

1. Download the official Mingtawn companion application from your device's app store (iOS/Android).
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the Mingtawn app and follow the on-screen instructions to pair your W610 Smart Glasses. The app will guide you through the pairing process, typically involving selecting the device from a list of available Bluetooth devices.
4. Once paired, the app will display the connection status and allow access to various features and settings.

Light Signal Shooting for Transparent Recording

The smart camera glasses have a breathing light beside the flash. When pressing the shooting button, the soft light blinks rhythmically to indicate shooting status. During shooting, the breathing light stays on—without interfering with imaging—visually signaling the status to ensure ethical and worry-free recording.



IP65 Waterproof & Sweatproof (Glue Sealing Structure)

Multi-sealed for full protection—no more water worries. Works stably outdoors, in rain or humidity; dual-mic noise canceling and sound stay perfect, camera keeps clear shots.

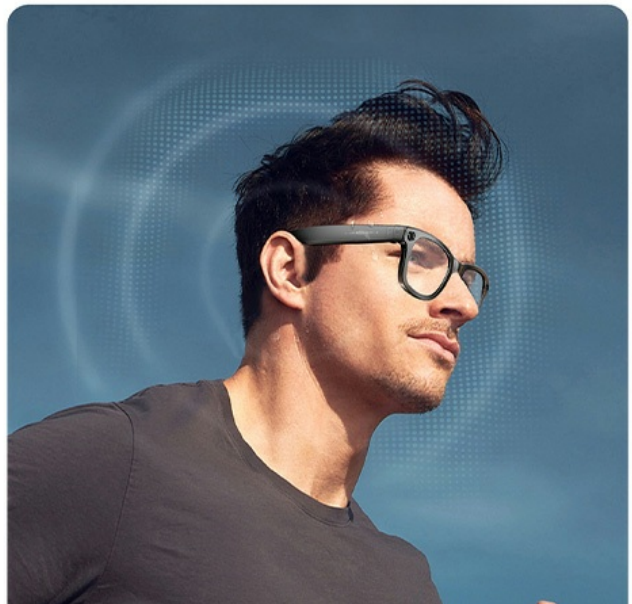


Figure 3.1: Overview of key functionalities including AI, Wi-Fi sync, noise cancellation, and battery.

4. OPERATING INSTRUCTIONS

4.1 Camera and Video Recording

The W610 Smart Glasses feature an 800W HD camera capable of capturing 2K images and 1080P video. An anti-shake algorithm is integrated for stable footage.

- **To Capture a Photo:** Briefly press the camera button (refer to product diagram for exact location).
- **To Start Video Recording:** Press and hold the camera button for approximately 2 seconds. The indicator light will change to confirm recording has started.
- **To Stop Video Recording:** Press the camera button again.

- **Transparent Recording Indicator:** A subtle breathing light on the glasses indicates recording status, ensuring privacy and clear operation.

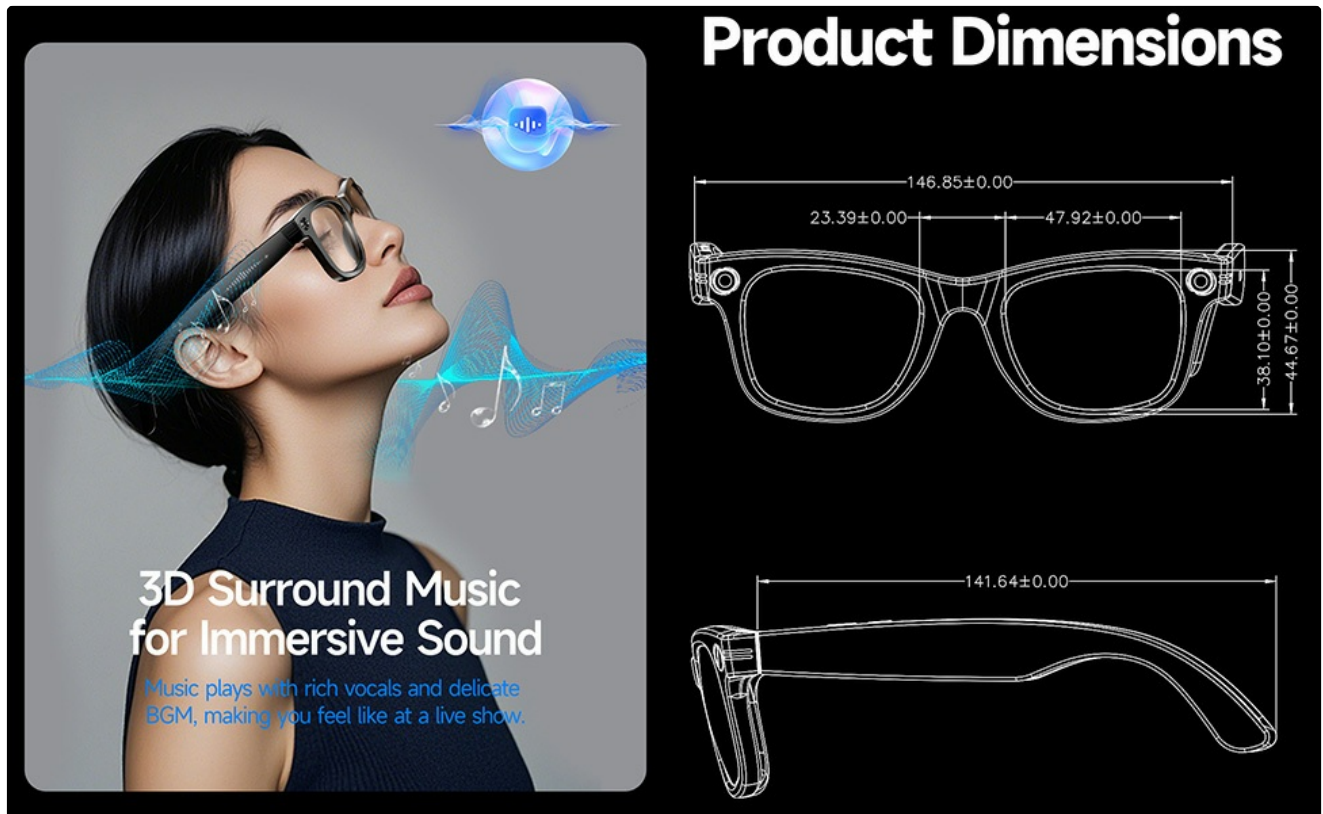


Figure 4.1: The streamlined design of the Mingtawn W610 Smart Glasses.



Figure 4.2: Camera resolution details and app interface for managing recordings.

4.2 Automatic Sync to Phone

Captured images and videos are automatically transferred to your paired smartphone via BT5.3 and Wi-Fi dual transmission. This eliminates the need for manual export and manages storage efficiently.

4.3 AI Features: Object Recognition and Voice Assistant

The W610 Smart Glasses integrate AI capabilities for enhanced interaction.

- **Object Recognition:** Point the camera at an object, menu, landmark, or plant. The glasses will analyze and announce the results in real-time using a built-in ChatGPT model.
- **Voice Assistant Activation:** Say "HeyCyan" to activate the smart assistant. You can then ask questions, search for information, or issue commands.
- **Simultaneous Interpretation:** When paired with the app, the glasses can provide real-time translation during conversations.

Stable Ultra-Clear Recording Audio-Visual Excellence

Portable Recording Prodigy: Immersive Shooting New Realm

Equipped with UHD and AI stabilization, it works as a built-in stabilizer for sharp details. Dual-mic noise cancellation blocks background noise while focusing on main audio, ensuring top AV quality. From city nightscapes to natural textures, it renders colors precisely—every frame holds up when enlarged.



EIS Ultra-stable Anti-shake Instant Vivid Capture

New Smart Glasses Imaging Breakthrough

EIS algorithm for first-person view delivers 0.8s quick capture. From marathon runs to skate stunts or bumpy drives, it instantly freezes every fleeting moment.



Figure 4.3: AI-powered vision and interactive experience with voice commands.

Figure 4.4: Demonstrating translation and voice assistant features.

4.4 Voice-Assisted Chat and Calling

The ENC dual microphones provide noise reduction for clear communication.

- **Answering Calls:** Tap the designated touch area on the temple (refer to product diagram).
- **Ending Calls:** Tap the designated touch area again.
- **Adjusting Volume:** Swipe or tap the volume control area on the temple (refer to product diagram).

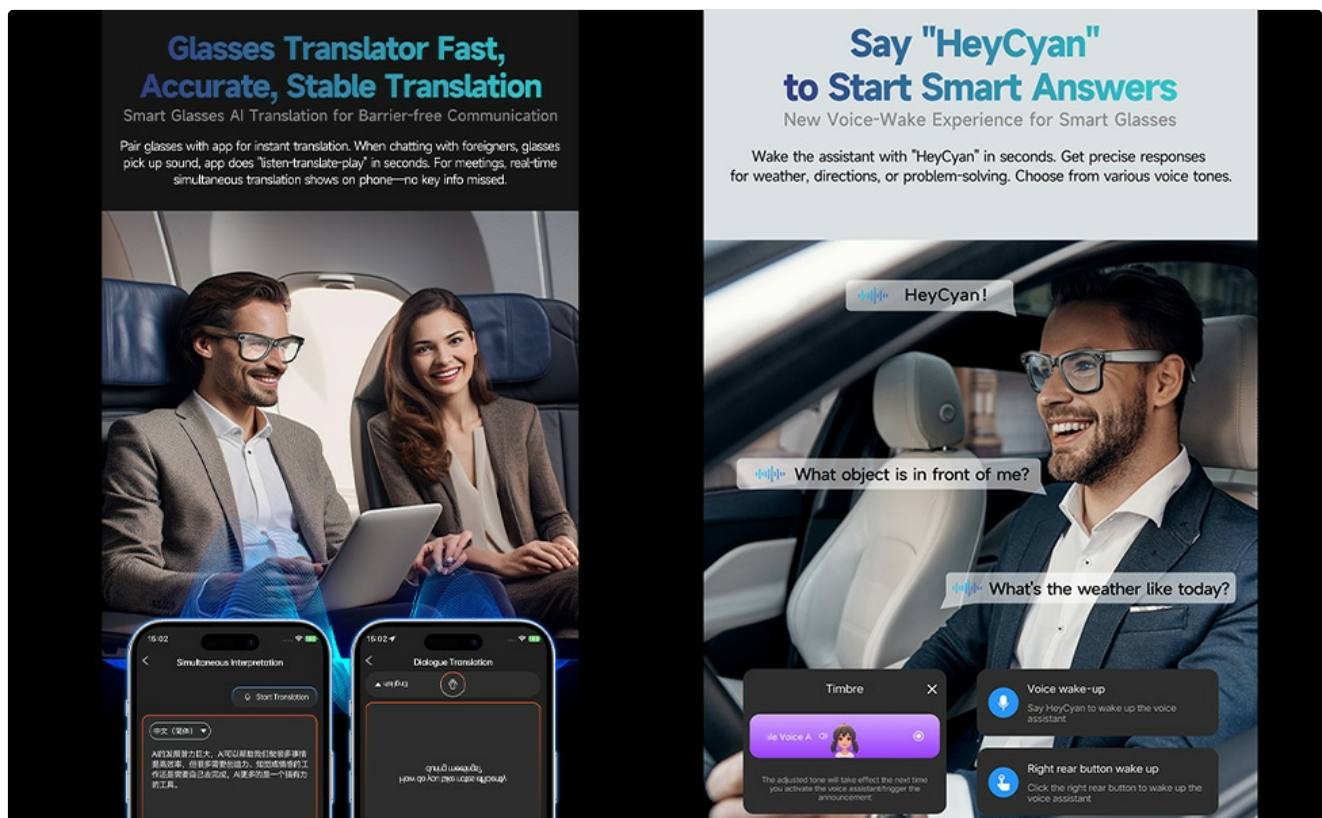


Figure 4.5: Clear audio experience for calls with dual-mic noise cancellation.

4.5 Audio Playback

The integrated speakers provide 3D surround sound for music playback.

- **Playing/Pausing Music:** Tap the designated touch area.
- **Skipping Tracks:** Swipe forward/backward on the touch area.



Figure 4.6: Immersive 3D surround sound for audio playback.

5. MAINTENANCE

5.1 Cleaning

- Use a soft, lint-free cloth to clean the lenses and frame.
- For stubborn smudges, lightly dampen the cloth with water or a lens cleaning solution.
- Avoid using abrasive materials or harsh chemicals, as these can damage the lenses or frame.

5.2 Storage

- Store the glasses in their protective case when not in use to prevent scratches and damage.
- Avoid exposing the glasses to extreme temperatures, direct sunlight, or high humidity.

5.3 Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Charge the device regularly, even if not in frequent use.

6. TROUBLESHOOTING

If you encounter issues with your Mingtawn W610 AI Smart Glasses, refer to the following common problems and solutions:

- **Device not powering on:**
Ensure the battery is charged. Connect to a charger and try again after a few minutes.
- **Unable to pair with phone:**
Make sure Bluetooth is enabled on your phone and the glasses are in pairing mode. Restart both the glasses and your phone, then try pairing again through the app.
- **Poor camera quality or blurry images:**
Clean the camera lens with a soft cloth. Ensure sufficient lighting. The anti-shake feature is automatic, but excessive movement can still affect clarity.
- **No audio during calls or music playback:**
Check the volume settings on both the glasses and your phone. Ensure the glasses are properly connected via Bluetooth.
- **AI features (object recognition, voice assistant) not responding:**
Ensure the glasses are connected to the internet via your phone's data or Wi-Fi. Verify that the companion app is running and has necessary permissions.

7. SPECIFICATIONS

Feature	Specification
Model Name	W610
Camera Resolution	800W HD (supports 2K image, 1080P video)
Connectivity	Bluetooth 5.3, Wi-Fi
Battery Capacity	270mAh
Battery Life (Music Playback)	Up to 15 hours
Battery Life (Standby)	Up to 7 days
Microphones	Dual ENC (Environmental Noise Cancellation)
AI Features	Object Recognition (ChatGPT model), Voice Assistant, Simultaneous Interpretation
Water Resistance	IP65 (Waterproof & Sweatproof)
Item Weight	35g (glasses only), 5.6 ounces (packaged)
Package Dimensions	6.5 x 2.8 x 2.44 inches
Operating System	Android Wear 1.0 (for app compatibility)
Color	Black



Figure 7.1: Product dimensions of the Mingtawn W610 Smart Glasses.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included in your product packaging or visit the official Mingtawn website. The product includes a user manual in the box for detailed guidance.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question