



# Quran Orion AR • Judge's Walkthrough Guide

Meta VR Start Developer Competition 2026 • Productivity Track

QUICK EVALUATION GUIDE

ZERO-HARDWARE READY

STANDALONE HORIZON OS APK

To make evaluation effortless, Quran Orion AR provides **three review pathways** depending on your available hardware. You do **not** need optical glasses or a VR headset to evaluate the complete speech engine, hesitation assistant, and spatial ergonomics.

## ⚡ Option A: Instant Desktop/Laptop Review (Zero Hardware • 30 Seconds)

1. **Open Live App:** Navigate to <https://quran-orion.pages.dev/?view=ar> in Chrome, Edge, Safari, or Firefox.
2. **Select Judge Mode:** In the top header toolbar, click the mode dropdown (defaults to 📖 *Hifz Study*) and select 🎮 **Judge**.
3. **Test Real-Time Speech Verification (Sample Reciter):** In the bottom-left controls of the prompter HUD, click "▶ Play Sample Reciter (Sheikh Al-Husary)".

*Observation:* Sheikh Al-Husary recites Surah Al-Fatihah. As each Arabic word and English phonetic is spoken, Orion verifies it and illuminates the word in radiant gold with millisecond accuracy.

4. **Test Adaptive Hesitation Assistance (Live Mic Mode):** Click "⏸ Pause" (or press **D**) to stop automated playback, then press **Space** to activate your **Live Microphone**. Recite 1–2 words (e.g. الحمد لله), then **pause / hesitate**.

*Observation:* Notice the circular countdown ring activate. When the 1.5s breath threshold elapses without speech, Orion automatically illuminates only the next single-word hint (رَبِّ) to gently restore reciter flow.

5. **Test Manual Spatial Controls & Shortcuts:** The sample reciter continuously recites and auto-advances. Click "⏸ Pause" first so manual inputs take control of the prompter: press **P** to simulate micro-pinch, double-press **P** for next Ayah, press **S** for spatial search, or press **C** to toggle optical passthrough.

## 🕶 Option B: Meta Horizon Browser / Quest 3 (Native WebXR)

Open the **Meta Horizon Browser** inside your headset, navigate to <https://quran-orion.pages.dev/?view=ar>, and click "🕶 **WebXR AR**". Experience native 6DoF hand tracking (micro-pinch <25mm between index and thumb) and downward gaze-dwell alignment with your physical prayer mat.

## 📦 Option C: Standalone Meta Horizon OS APK Sideloading

The repository contains the signed production APK (3.03 MB, package com.jnolabs.quranorion, targeting Horizon OS) ready for ADB installation:

```
adb install -r horizon-os/quran-orion-release-signed.apk
```

## 👉 Finger Mode & WebXR Hand Gestures

**Right Hand:** Single Pinch (<25mm) = Reveal hint • Double Pinch (<450ms) = Next Ayah

**Left Hand:** Single Pinch (<25mm) = Back 1 word • Double Pinch (<500ms) = Rewind to start of Ayah

**Universal:** Long-hold pinch (>0.75s, any hand) = Previous Ayah • Gaze-dwell (1.2s at bottom) = Hands-free hint

## 📄 Interaction & Keyboard Shortcut Reference

| Shortcut                   | Finger Gesture              | Function in Quran Orion HUD            |
|----------------------------|-----------------------------|----------------------------------------|
| <b>P</b> / <b>H</b>        | Right Single Pinch (<25mm)  | Unmasks next word hint discretely.     |
| Double <b>P</b> / <b>→</b> | Right Double Pinch (<450ms) | Advances forward to next verse (Ayah). |
| <b>O</b>                   | Left Single Pinch (<25mm)   | Steps backward one word.               |
| Double <b>O</b>            | Left Double Pinch (<500ms)  | Rewinds to start of current verse.     |
| <b>←</b>                   | Long-Hold Pinch (>0.75s)    | Returns to previous verse.             |

|                  |                             |                                                |
|------------------|-----------------------------|------------------------------------------------|
| Bottom Hover     | Mawdi' al-Sujud Gaze (1.2s) | Hands-free hint trigger during prostration.    |
| <div>Space</div> | Voice Mic Toggle            | Starts/stops live speech recognition.          |
| <div>S</div>     | Surah Selector              | Opens spatial Surah & Ayah picker modal.       |
| <div>C</div>     | Optical Passthrough         | Toggles webcam feed (optical see-through sim). |
| <div>W</div>     | WebXR Session               | Launches/exits WebXR immersive session.        |

Live Application: <https://quran-orion.pages.dev/?view=ar>

Master Pitch Video: **2m 09s (1080p)** • Developer: **JNO Labs**