



ChatGPT on your fingertips

WIZPR RING

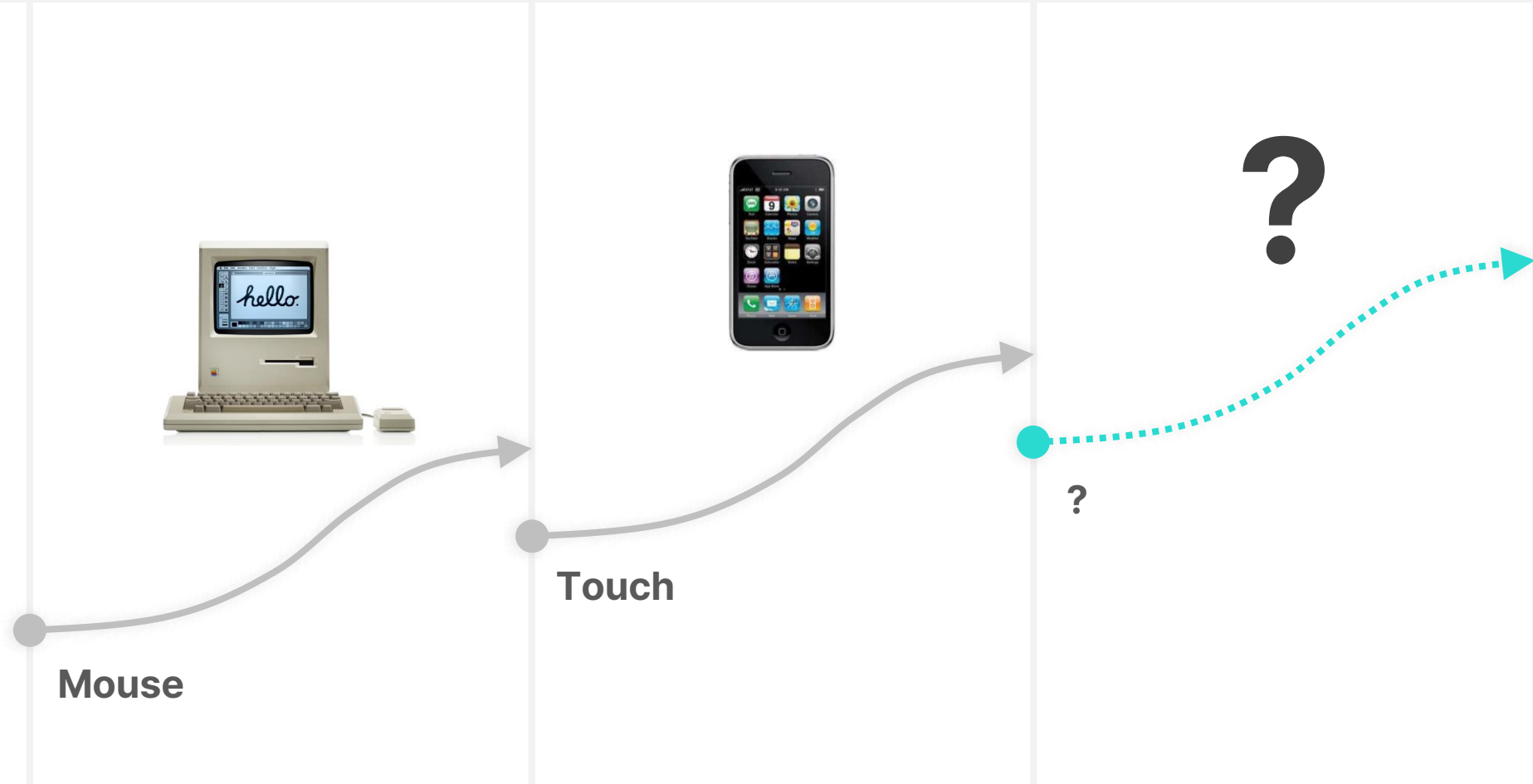
SJ Kim | CEO

Sep. 2025 | Seoul, Korea

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Which interface to reach further and faster tomorrow?

Like mouse & touch did for PCs and mobile, new interfaces will drive the next computing era



Vtouch : Unmatched Edge in Next-Gen UI

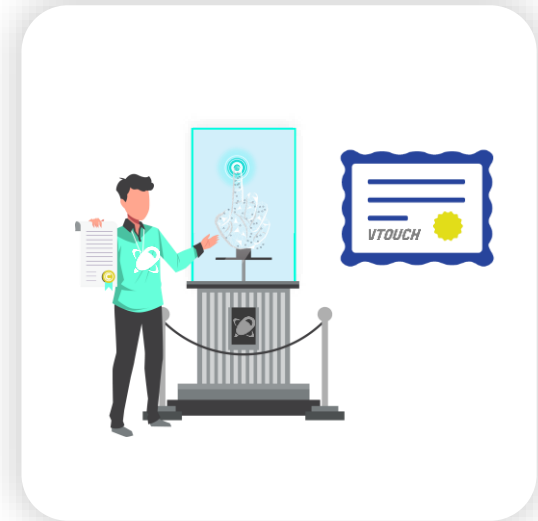
A global leader in next-generation user interfaces—conversational AI & spatial computing.



127 patents in UI technologies



11 CES Innovation Awards



Named "Inventor of the Year" by KIPO

Vtouch powers up the most natural ways humans reach out

Our next-gen UI help humans control naturally and intuitively new computing environments.



How to input voice hands-free, anywhere, even in noisy or quiet environments?



Voice Input Ring,
WIZPR RING



How to interact with various devices and objects across space?



Select where you point,
Spatial Touch



How to control intuitively and contactlessly?



Midair hologram button,
Holo Button



Voice User Interface WIZPR RING

"Beyond GUI: AI and Voice Will Redefine the Future OS"

GUI



Explore and select menus/icons



ChatGPT



Converse and collaborate in natural language

Today, Voice Input Interfaces are not up to the task

They're faster than keyboards, they free your eyes and hands from screens... but interfaces fail to deliver.

✓ Advantages

- ✓ **Fast Input Speed** – 3x typing
- ✓ **Screen-Free** – no screen needed
- ✓ **Hands-Free** – no keyboard use
- ✓ **Eyes-Free** – no visual focus

✗ Disadvantages

- ✓ **Noise** – fails in loud areas
- ✓ **Privacy Concerns** – others may hear
- ✓ **Unlocking Hassle** – needs wake word/button
- ✓ **Recognition Errors** – mishears speech

More voice & AI, more UI frustration.

Despite rapid growth in conversational AI, voice constraints and clunky inputs still slow mobile adoption.

AI

85% use voice AI daily at home, on mobile, in car, from product search to shopping.

Capgemini survey



...

UI



typing



voice

" Chatting with AI should be much more fluid and natural "

The Secret? It only listens to you, and only when you want it.

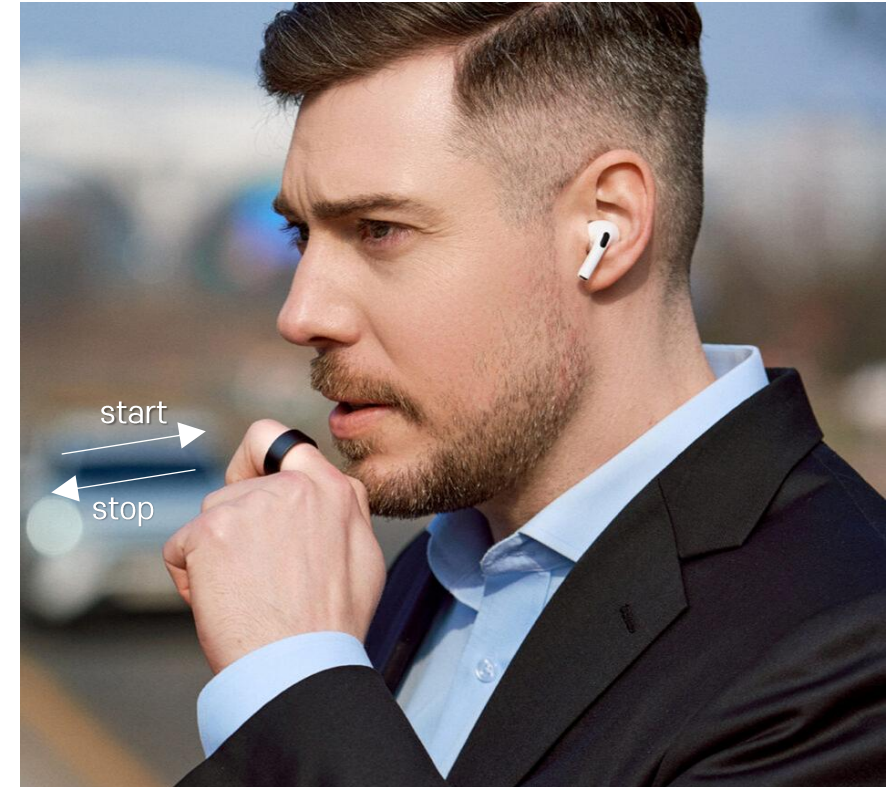
This traffic jam noise? Ignored. Your own conversations? Filtered out. Only your close-range whisper gets through.



WIZPR RING solves all key pain points

Seamless, secure voice interaction through Close-Talk recognition

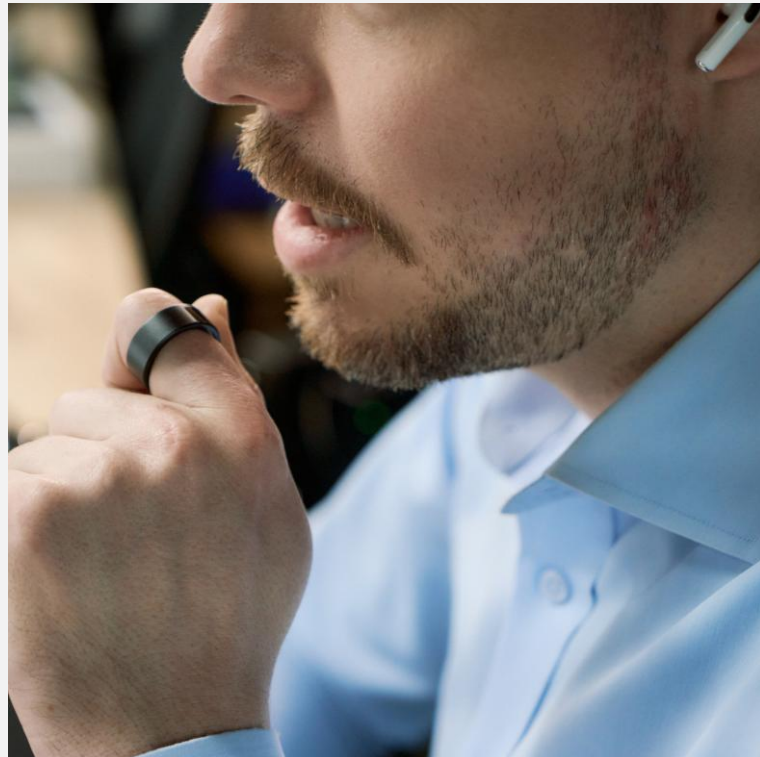
- ✓ **Auto Unlock(No Trigger Word)**
 - just speak close to the ring.
- ✓ **Prevents Errors**
 - hears only proximity voice(PVAD).
- ✓ **Noise Resilient**
 - listens you well in any circumstances
- ✓ **Enhanced Privacy**
 - captures very small voices for discreet input
- ✓ **Fast & Accurate**
 - speech recognition with character-level accuracy
- ✓ **Hands-Free, Screen-Free**
 - everything works in the background
 - you can keep your phone in your pocket



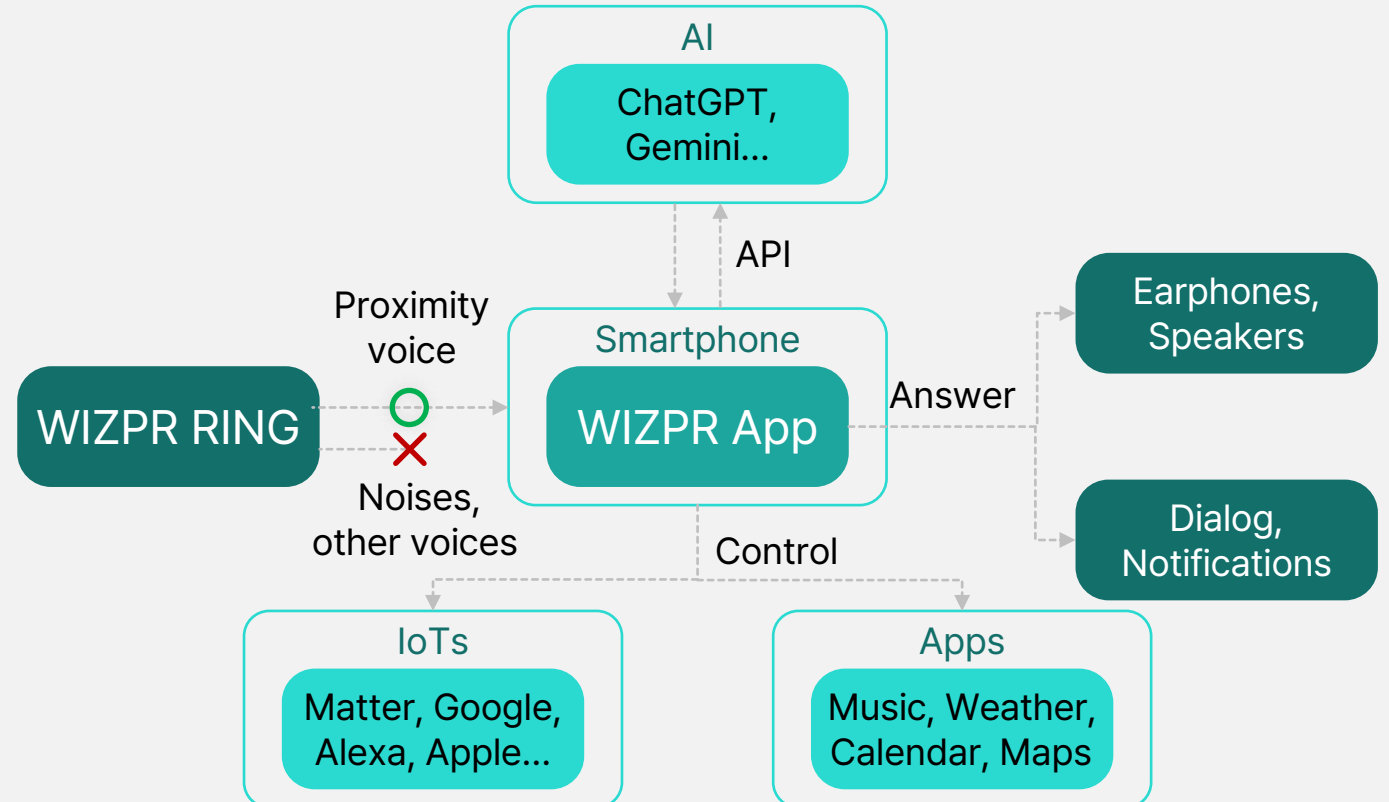
Proximity → Mic On → Voice Detect → Speech Recog

Screen-Free, Wearable Voice Interaction

Speak into the ring, and AI executes the requested service, responding via earbuds, speakers, or displays (voice/text).



Screen-free: ring listens, earbuds reply



Locked phone: replies via earbuds/notifications/connected devices

WIZPR RING

The world's first smart ring for AI voice conversations

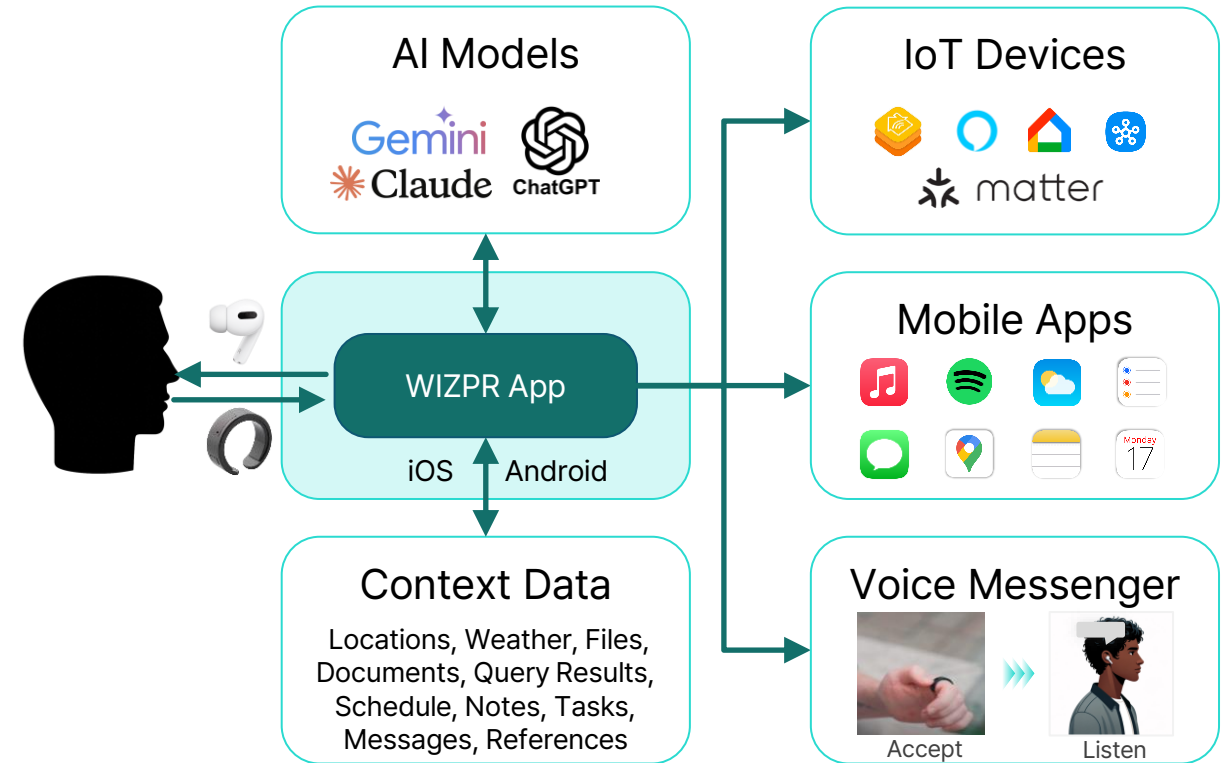


Release	Nov 2025
Color	Black, Silver
Material	Titanium, epoxy resin
Size and weight	(W) 9.6 mm, (H) 2.8 mm, 4 grams
Size options	(US) 6-15, 10 sizes
Usage time	<ul style="list-style-type: none"> - Ring: 2 days (4 hours talk/day) - Ring with Case: 14 days - Case charges ring 6 times
Waterproof	Everyday Waterproof (IPX4)

AI for you whenever you need it

A context-aware AI assistant, always available on your finger - and it listens only when you want it!

- ✓ **Wearable AI**
 - Talk through a ring, hear via earpiece
- ✓ **Flexible AI Agent**
 - Easily switch among **multiple AI** models
- ✓ **Context Protocol**
 - Accurate, **personalized** answers
- ✓ **Mobile Apps**
 - 3rd Party **App Control** with natural language
- ✓ **IoT Devices**
 - **IoT Device Control** with natural language
- ✓ **Voice Msg + SOS**
 - Voice Messenger and **instant SOS**



65 % of consumers want a single interface for all connected products

UX highlights

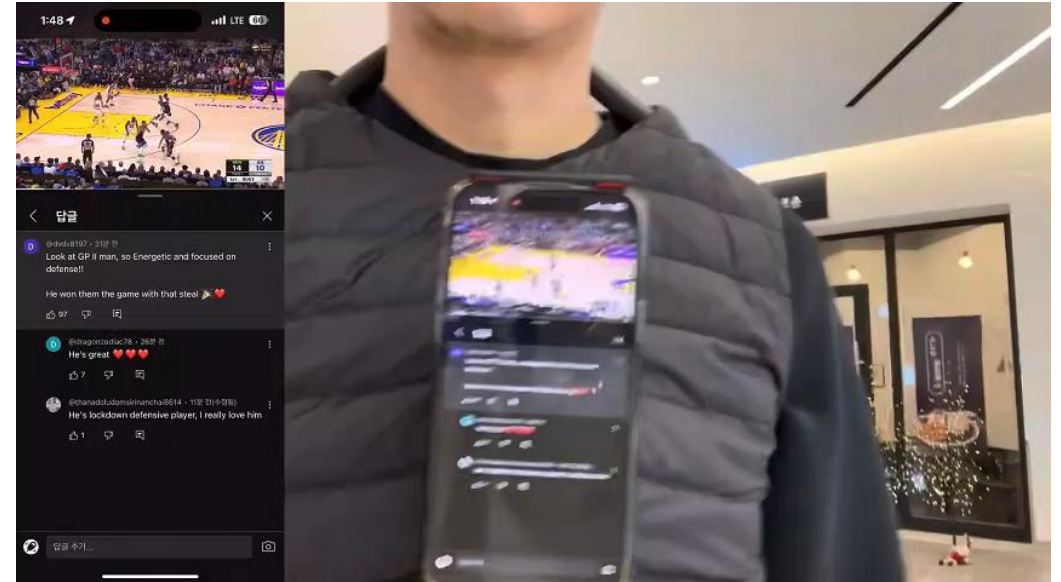
Auto-unlock and PVAD misrecognition filters ensure comfortable everyday use.

Auto unlock(no trigger word) ▶ Play Video



- When you bring the ring close to your lips, a distance sensor instantly turns on the mic.
- PVAD (Proximity Voice Activity Detection) AI allows only the user's near-field voice

Background operation ▶ Play Video



- WIZPR App works even when closed and while other apps are running
- It functions reliably even when YouTube, music, or other loud audio is playing.

UX highlights

Detects even inaudible whispers nearby, accurately recognizes speech even in noisy environments

Privacy protection

▶ Play Video



- It recognizes low volumes and whispers
- So you can talk to AI in elevators, subways, and buses without being overheard.

Overcoming noise

▶ Play Video



- By selectively recognizing only near-field voice
- It understands your whisper precisely even in loud places, unaffected by surrounding noise or other voices.

UX highlights

Voice interaction enables hands-free, eyes-free interaction with AI without a screen.

Locked state operation [▶ Play Video](#)



- Works with your phone locked — even in your pocket.
- AI replies via earbuds, speaker, watch, or lock-screen alerts.

Contextual conversations. [▶ Play Video](#)



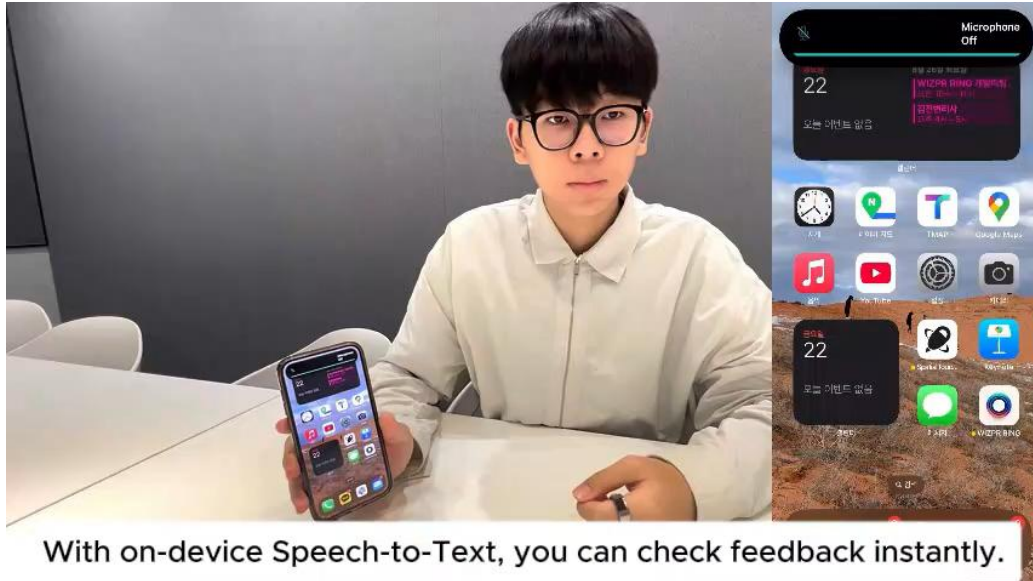
- With permissions you grant on your smartphone (location, maps, weather, calendar, etc.).
- Chat with a personal assistant who knows you.

UX highlights

Real-time text conversion and feedback are possible using on-device STT, enabling immediate corrections.

Voice typing

▶ Play Video

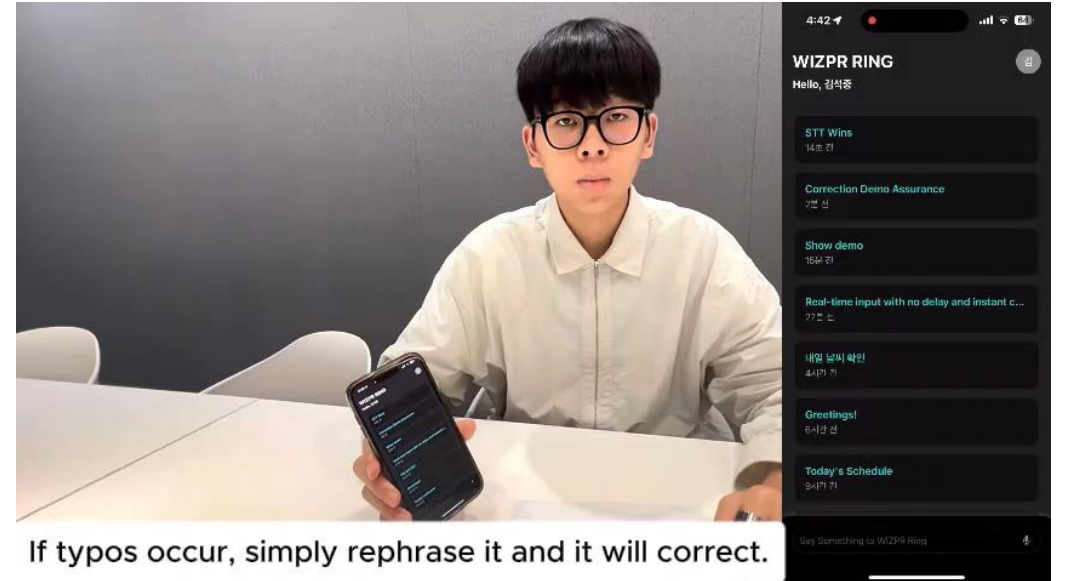


With on-device Speech-to-Text, you can check feedback instantly.

- On-device STT converts your speech to text in real time on the smartphone, so you can view instant feedback.
- It works without an internet connection.

Input correction

▶ Play Video



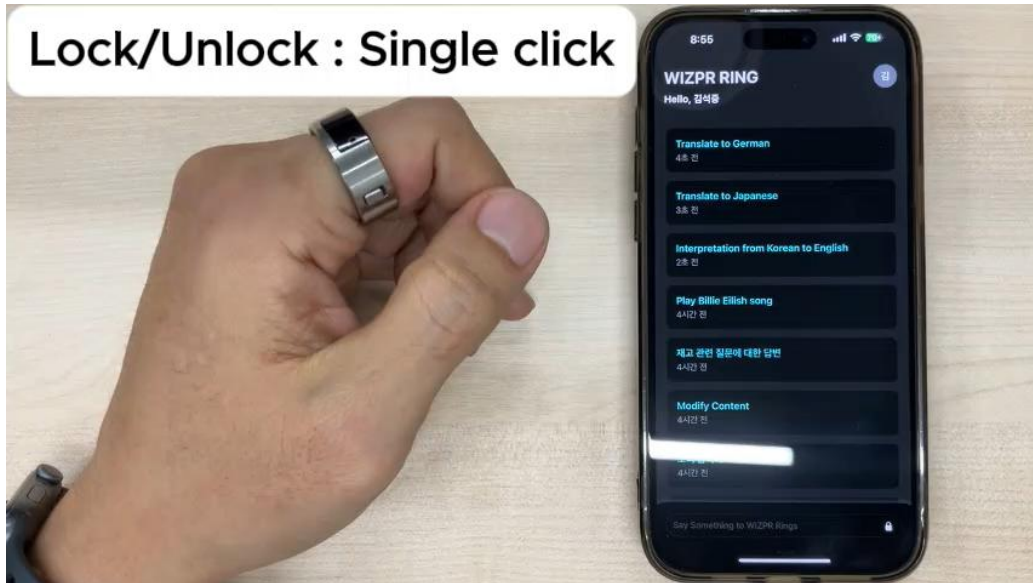
If typos occur, simply rephrase it and it will correct.

- Real-time text feedback allows you to immediately review your input.
- If there are typos or corrections needed, you can cancel the previous input and re-enter it.

UX highlights

Screen-, hands- & eyes-free — lock/unlock and start new-mode conversations with a button (no screen touch).

Click — Lock / Unlock ▶ Play Video



- Press once to lock or unlock the ring.
- Conserves power and prevents false activations when voice recognition is off.

Double-click — New Conversation ▶ Play Video



Double-click: Return to list
Speak: Open a new chat

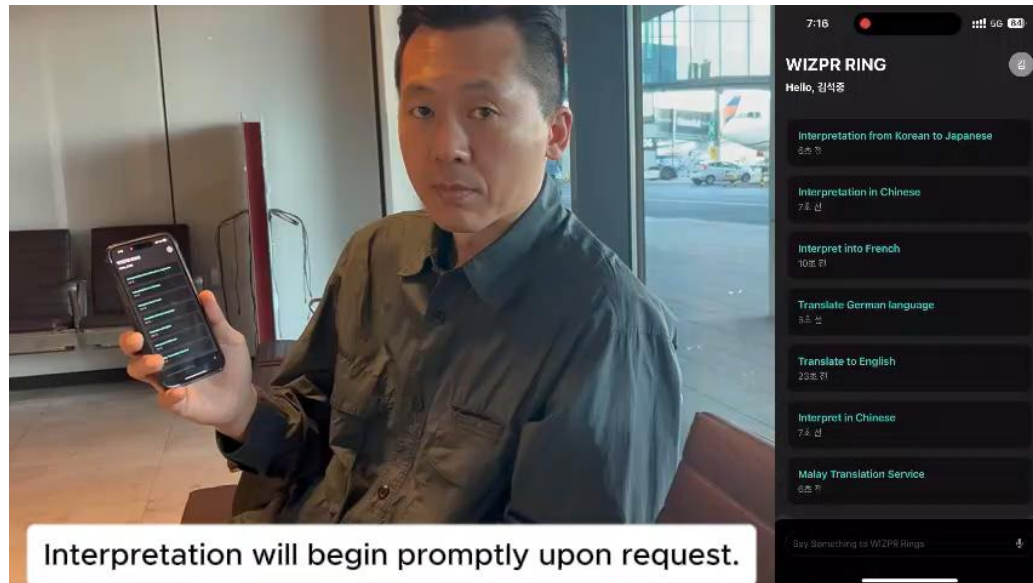
- Double-press to start a new conversation or switch conversation modes.
- Set up different AI modes via button + voice, no screen touch.

Use cases

Overcomes noise, accurate recognition even in loud environments, eyes-free & hands-free voice interaction.

Real-time interpretation

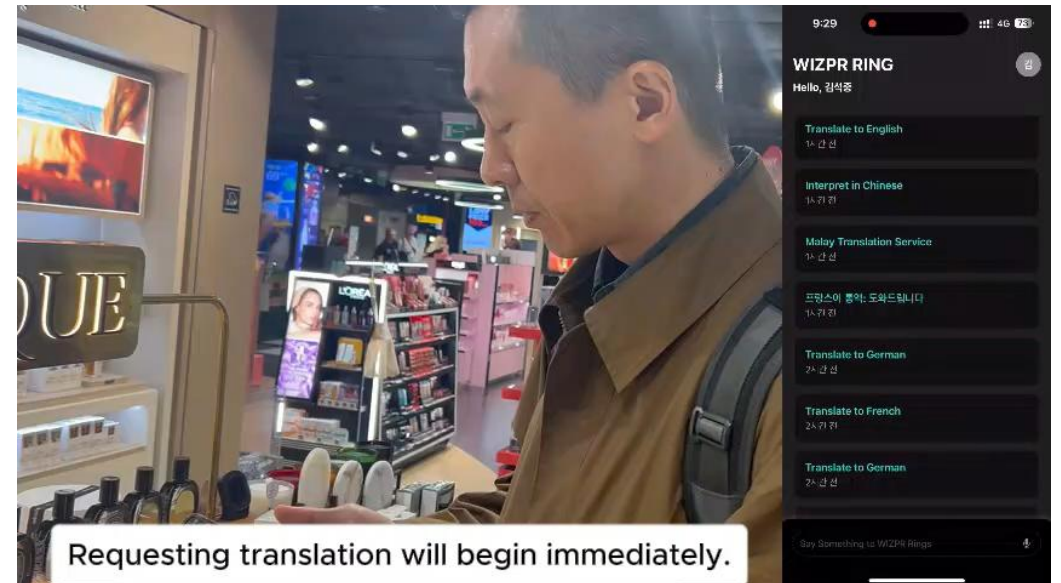
▶ Play Video



- You can set it up using only voice without a screen.
- Press the button twice and say the language to set up interpretation.

Duty-free shopping

▶ Play Video



- With intuitive commands like "Interpret in French," it provides real-time translation.
- Supports over 74 languages.

Use cases

While driving, noise, music, and passenger talk are all filtered—AI hears only your voice spoken to the ring.

Driving conversation

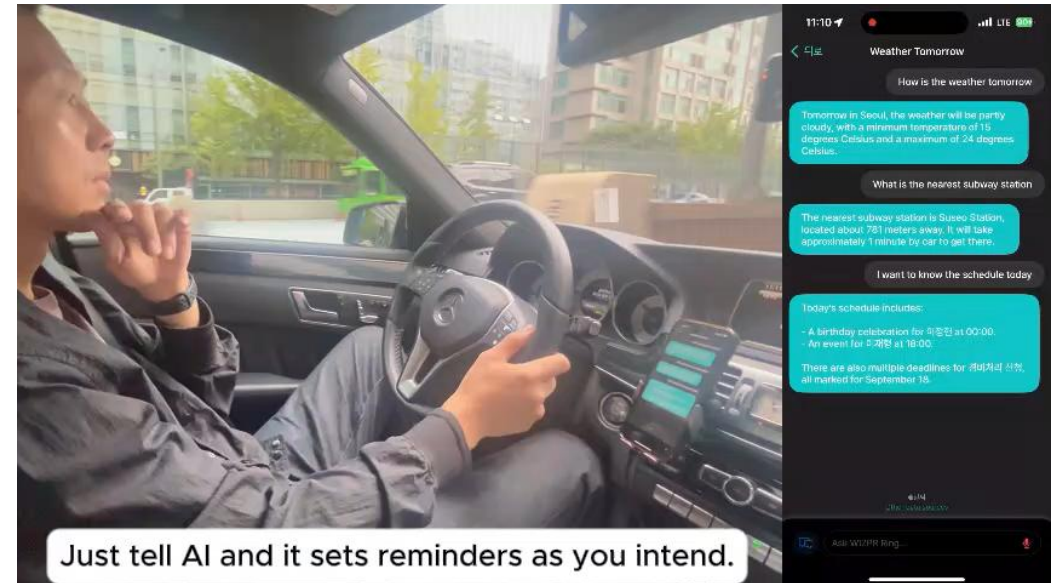
▶ Play Video



- Stay safe while driving since you don't need to look at the phone—just voice is enough.
- Check weather, maps, calendar, and more.

In-car app control

▶ Play Video



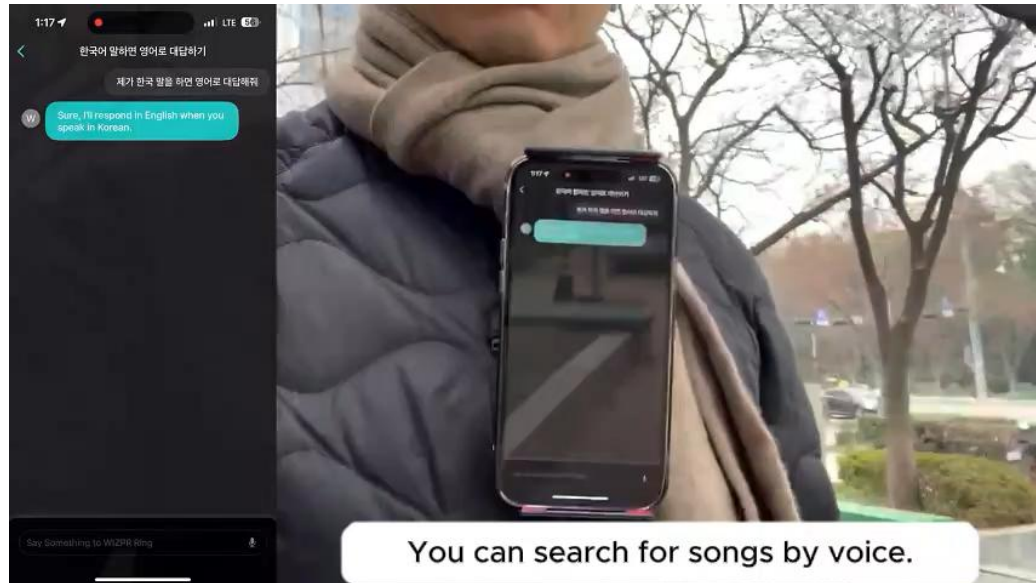
- Tell AI to set reminders, play music, or control playback.
- No screen or touch needed—just your voice.

Use cases

When you need AI in your daily life, just speak into your ring instead of pulling out your phone and typing.

App control

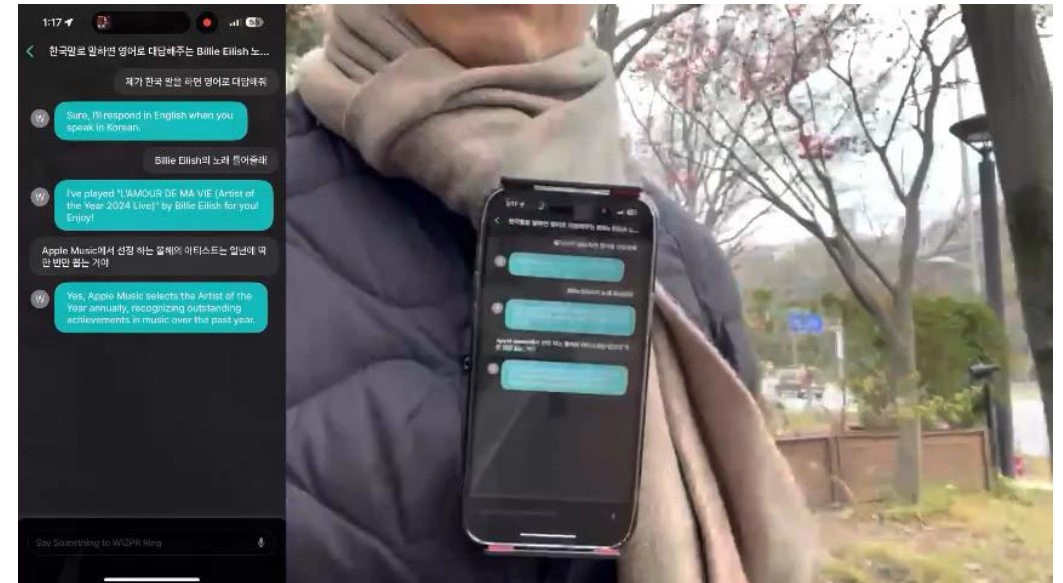
▶ Play Video



- When you speak to the ring, the WIZPR app controls apps according to your intent.
- You can control Music and Reminders with your voice.
- Supported apps will continue to expand.

Travel chats

▶ Play Video



- Chat with AI about any topic you desire.
- ChatGPT at your fingertips—available anytime, anywhere.

Comparison of Speech Recognition Accuracy

Ensures accurate speech recognition across diverse noise conditions

Street noise 65 dBA

Apple Dictation Error(18), word(45) WER: 40%	WIZPR RING Error(0), word(45) WER: 0%
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Street noise 71 dBA

Apple Dictation Error(45), word(45) WER: 100%	WIZPR RING Error(1), word(45) WER: 2%
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Speech noise 74 dBA

Apple Dictation Error(45), word(45) WER: 100%	WIZPR RING Error(1), word(45) WER: 2%
--	--

Speech noise 83 dBA

Apple Dictation Error(45), word(45) WER: 100%	WIZPR RING Error(2), word(45) WER: 4%
--	--

WER Comparison Test ▶ <https://youtu.be/XX4bdFYiDck>

*WER(Word Error Rate): measures speech recognition accuracy by calculating the proportion of word errors, $WER = \{ S \text{ (Substitutions)} + D \text{ (Deletions)} + I \text{ (Insertions)} \} / N \text{ (Total words)}$

WIZPR RING: naturally leverages existing ecosystems

Why Competitors Fail: Unsolved Usability Issues, Isolated Proprietary Systems

AI PIN



R1



WIZPR RING



Activation Method	Touch	Button	Automatic
Noise Impact	Unresolved	Unresolved	Resolved
Privacy Concerns	Unresolved	Unresolved	Resolved
Voice Input Volume	Loud Voice	Loud Voice	Low Voice
OS	CosmOS	RabbitOS	iOS or Android
Compatible Apps	Very Limited	Very Limited	App Ecosystem
Compatible IoTs	Unavailable	Unavailable	Matter, Apple, Google, Amazon, SmartThings

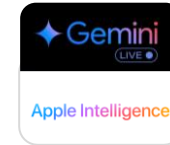
WIZPR RING: Fastest, Easiest, Most Discreet Voice Input

The only voice recognition that allows truly hands-free and eyes-free use anytime, anywhere.

Mobile Apps



Mobile OS



WIZPR RING



Activation Method	Unlock → App Launch → Icon	Dedicated Button	Automatic
Activation Time	3 sec	1 sec	0 sec
Noise Impact	Unresolved	Unresolved	Resolved
Privacy Concerns	Unresolved	Unresolved	Resolved
Background Conversation	Partially Possible (temporary)	Partially Possible (no continuous session)	Possible
Locked-Screen Conversation	Not Possible	Partially Possible	Possible
Hands & Eyes-Free	Not Possible	Not Possible	Possible

WIZPR RING vs. other smartings

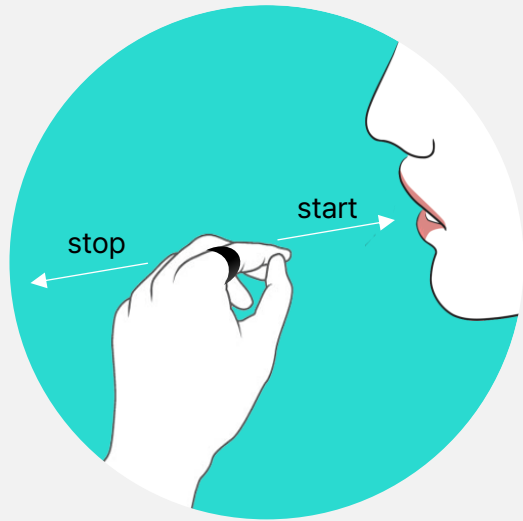
The world's first ring for voice conversations with AI



Sensor	Function	WIZPR	Galaxy	Oura	Ultrahuman	RingConn
Inside	Heart Rate		○	○	○	○
	Sleep Tracking		○	○	○	○
	Body Temp		○	○	○	○
	Stress		○		○	○
	Blood Oxygen		○			
	Calorie Burn		○	○	○	○
	Exercise		○	○	○	○
Outside	AI Agent	○				
	App Control	○				
	IoT Control	○				
	Voice Input	○				
	Translation	○				
	SOS Alert	○				
	Weather Info	○				

IP for Close-range Voice Input

Unique IP for close-range voice input solving unlocking, noise, and privacy issues.



8 patents, 11 applications, 9 trademarks.



Automatic unlocking
'17 Registered in Korea, USA, Japan

Prevent Misrecognition
'22 Applications in Korea, USA

Voice classification
'23 Applications in Korea

- 마이크 — 201
- 근접 센서 — 202
- 표시부 — 203
- 근접 음성 분류 장치 — 204

Multi-mic detection
'24 Applications in Korea

Button & mic UX
'24 Applications in Korea

Voice distance detection
'24 Applications in Korea

음성 측정 거리	속상일		
	48A	48C	48D
가용시			
10cm	90	94	73
3cm	67	71	61
5cm	62	66	56
15cm	56	62	52
25cm	49	55	48
50cm	44	50	45
100cm	41	47	41

PVAD prevention
'24 Applications in Korea

- 입력 신호 획득부 — 301
- 입력 신호 분석부 — 303
- 모드 결정부 — 305
- 제어 신호 생성부 — 307

Software Only PVAD
'24 Applications in Korea

And more...

'2014.11
AI Speaker

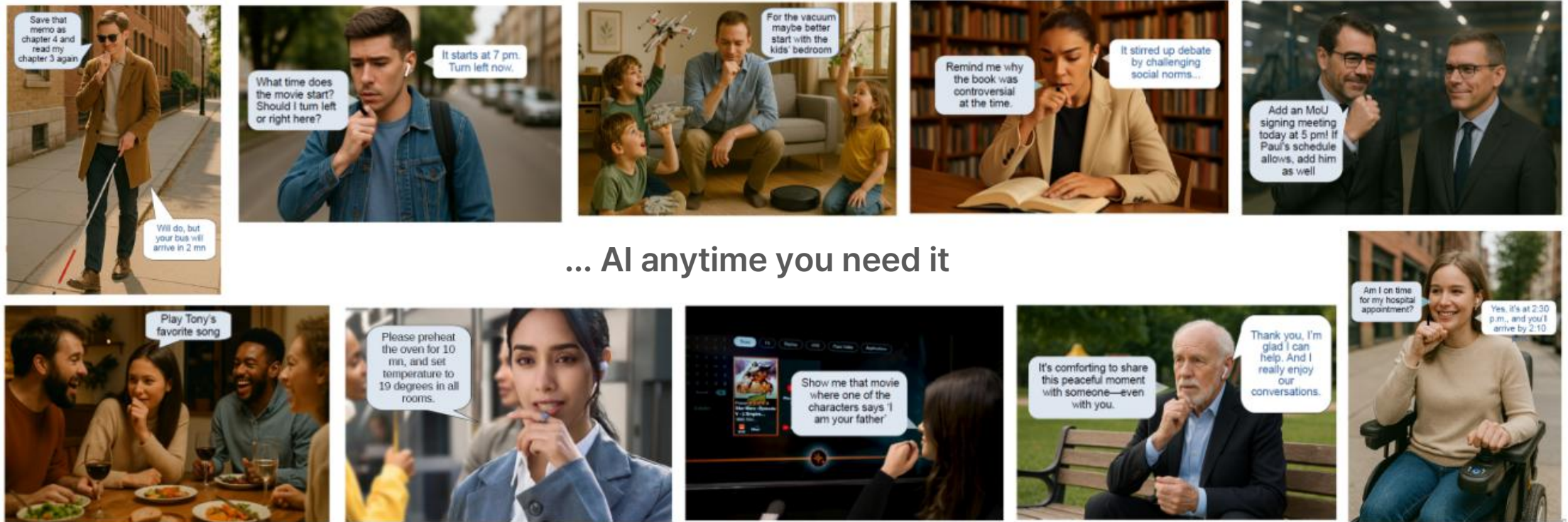
'2017.2
Invention of Proximity Voice Input

'2022.11
Chat GPT

'2025.4
Launch WIZPR RING

The New Standard of Voice Input Interface

WIZPR RING leads the future, enabling seamless AI conversations anytime, anywhere.



... AI anytime you need it

Thank you

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