

# Zigbang Smart AI Doorlock

## ZD-R70

2025.05

# Experience **Samsung**'s quality and innovation at **Zigbang**

**SAMSUNG SDS**

X

 **zigbang**

**Korea's No.1  
Door Lock  
Brand**

**Over 9 Million  
Units Sold  
Worldwide**

**No.1 Real Estate  
Platform in  
Korea**

**Over 8.15  
Million Users  
Visit Monthly**

**World's First  
Push-Pull Door  
Lock — Over 4  
Million Units  
Sold**

**Smart Home  
Networks Now  
in Over 10  
Million Homes**

**45 Million  
Cumulative  
Downloads**

**Over 18 Million  
Real Estate  
Transaction  
Records**

# Can you risk a password leak?



Password shared with others



Being followed by someone



Keypad with traces left behind

A Vulnerable Keypad  
Exposing Password Risks

**Boldy removed it**



 zigbang

# Passwordless AI Door Lock Haven



# Next-Generation Authentication System with **Security and Convenience**



## Security

Stronger Authentication  
with Asymmetric  
Encryption Key Tags and  
Biometric Methods

Eliminating the  
Risks of Key  
Duplication, Loss,  
and Leakage

## Convenience

Seamless  
Authentication - No  
password required

One Pass Access —  
Enter Multiple Spaces  
with a Single Mobile  
Key Tag

## Smart Doorlock

# Smart Home Begins at Your Front Door

### As-Is

Risk of keypad password exposure

Security is compromised by authentication methods at risk of duplication and loss

Performs solely as a basic access device

### To-Be

Eliminating the keypad to prevent the risk or password leaks

Enhancing convenience and security through biometric access and encryption keys

Personalized services based on access data



# AI Facial Recognition

## The Ultimate Password for Maximum Security



Accurately identifies  
even twins with  
99.9% precision



Infrared biometric  
detection effectively  
blocks photo-based fraud

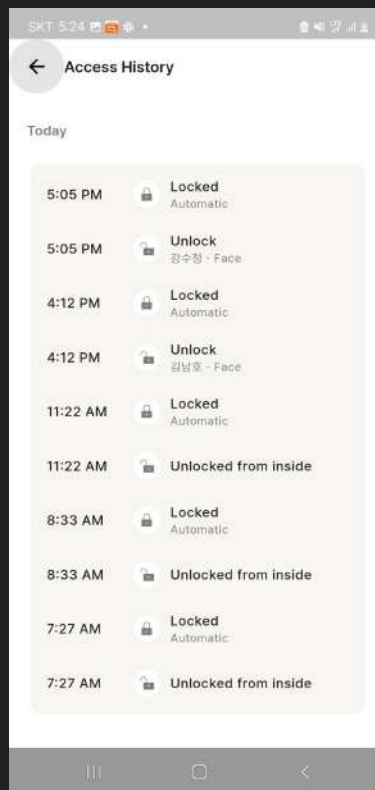


Instant recognition,  
even in backlit or  
low-light environments

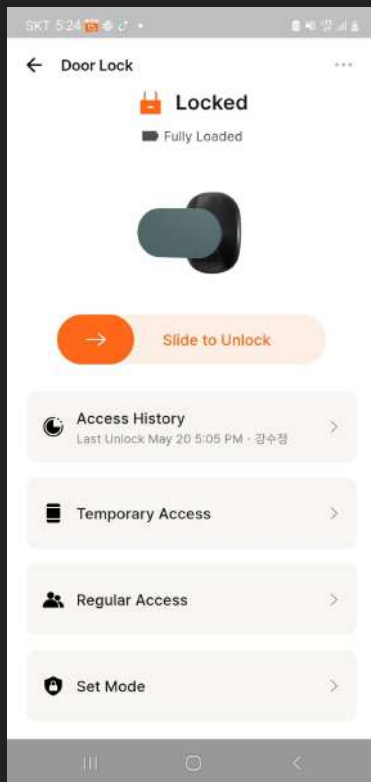
## Mobile key tag with no risk of loss



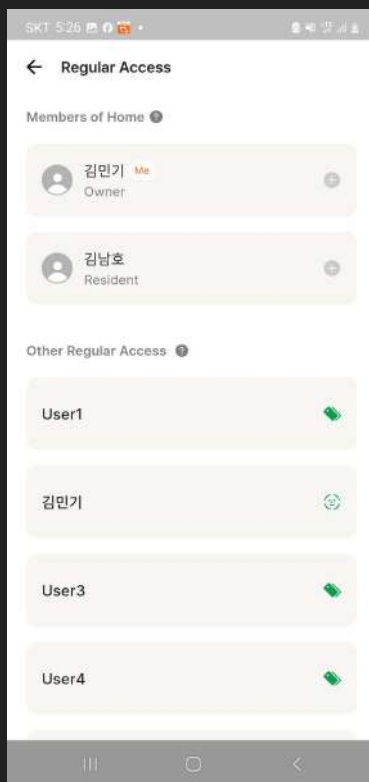
## Real-time alerts when your family arrives home



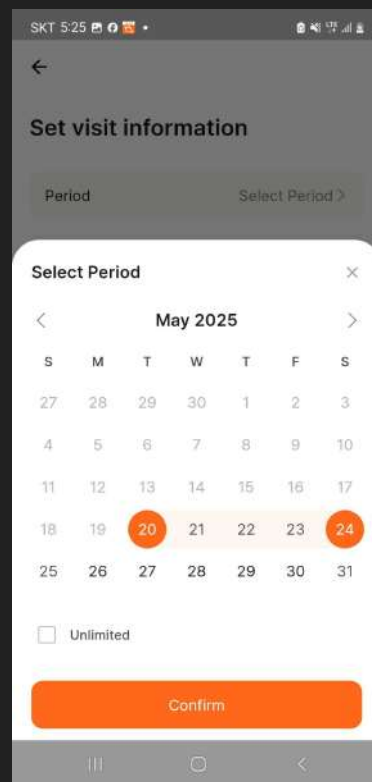
Unlock anytime, anywhere



Managing access with your family



Easily create the temporary PIN for the guest



# Haven Features

**Authentication** : Facial Recognition, RF, Mobile Key Tag, App, Fingerprint

## First in Korea: Self-Learning AI Facial Recognition Door Lock

- Infrared biometrics effectively block illegal attempts like photos, 3D models, and videos

## First in Korea: Choose from 5 Color Options

- Eclipse mist, Black natural, Deep forest, Cherry Blossom, Modern Natural

## First in Korea: Wi-Fi Integrated App Service Provided

- Real-time app event notifications (access history, door opened for over 30s, unauthorized entry detection, low battery alert)

## Industry-Leading Durability with Eco-Friendly Materials

- IP54 rating for strong resistance to water and dust
- UV crack-resistant material
- ROHS compliant (hazardous substance standards), fireproof certification

## User Convenience/Security Features

- Voice guidance (Wi-Fi registration guide, voice prompts, various emergency event notifications),
- Home security mode, Privacy mode
- Indoor multi-touch mode
- Anti-tamper feature (3-min lock)
- Doorbell call function, manual opening/closing device

**힘 줄 필요없이 부드럽게 OPEN**  
눈 깜짝할 새 바로 잠김

**3세대 오토푸시록**  
오토푸시록은 행동을 돌리는 듯 별도 동작없이 인종과 동시에 잠금장치가 해제되기 때문에 어린아이도 보다 쉽게 출입이 가능합니다.

저사 열감인증 도어록      직방 열감인증 도어록

STEP 1 열감인증      STEP 1 열감인증  
STEP 2 열동동작      ↓  
STEP 3 온 알림      STEP 2 온 알림

**IP54등급**  
비나 먼지로부터 완벽하게 보호  
어떤 환경에도 무적

IP54\* 등급의 내후성으로  
어떠한 날씨에도 안정적으로 사용 가능합니다.

\* IP 등급은 야외 환경에서 먼지, 물로부터 기밀을 보장해 주는 내후성을 뜻하며 극한의 환경에서 사용되는 경우에도 신뢰성 높은 스마트록, 도어록, 도어벨 개폐기 등에 적합

직방 도어록은 업계에서 유일하게 친환경 테스트를 진행하여, 까다로운 유럽의 RoHS 기준을 엄격하게 준수하고 있습니다.

RoHS Test Report  
EU 2002/95/EC  
성적표기: 환경기준 적합성 확인 요구 사항에 적합

유해물질 함유율 0%

우리가족 취향저격  
다채로운 컬러옵션

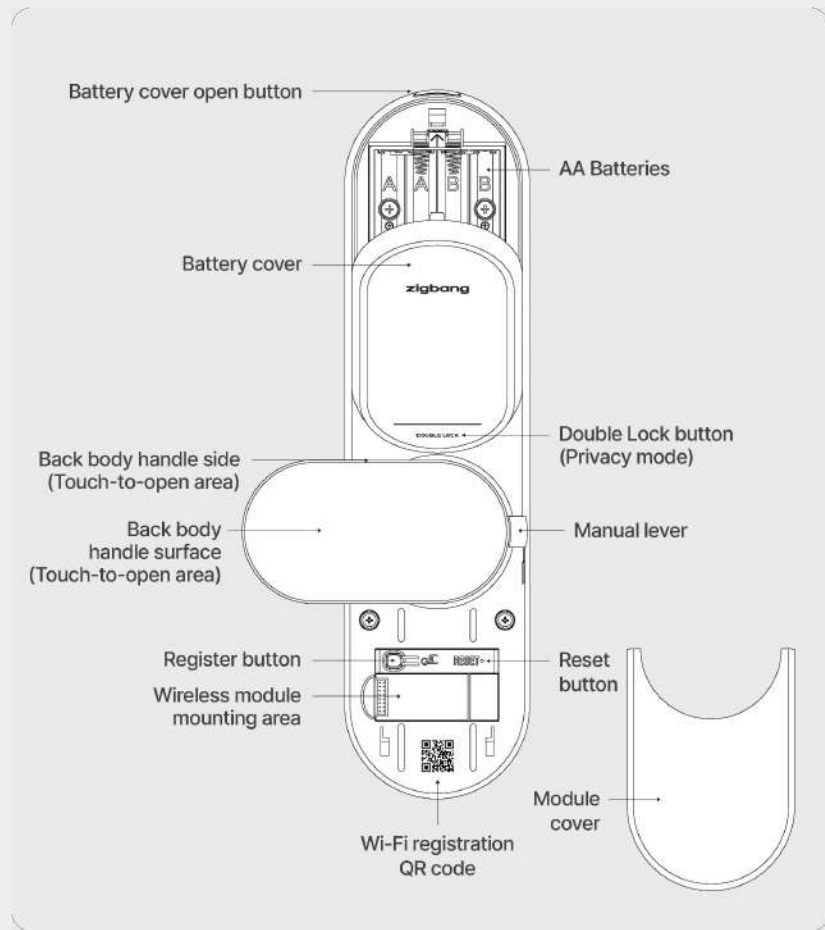
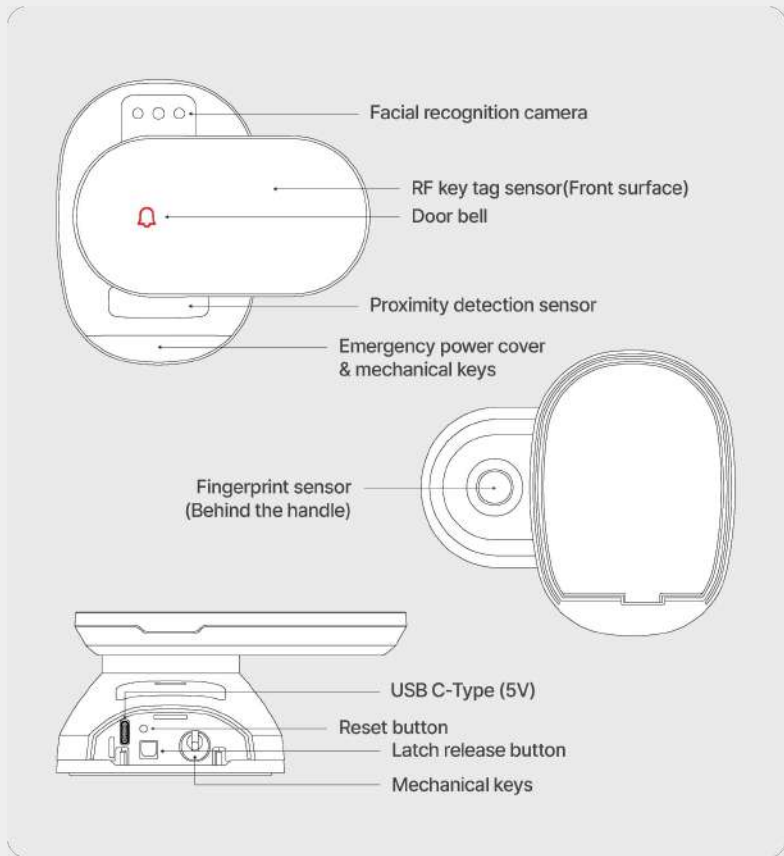
기본 도어록의 획일적인 컬러에서 벗어나, 디자인고 세련된 컬러옵션은 무리질 분과 가족의 취향에 맞춰 선택할 수 있습니다.

UV크랙 방지

장시간 자외선 노출에도  
변함없이 그대로

UV크랙 방지 소재를 적용하여, 햇빛에 자주 노출되어도 외관 변형없이 오랫동안 사용 가능합니다.

# Haven Name and Function



# Product Design

1

Modern Natural



ZIGBANG SMART HOME



2

Deep Forest



ZIGBANG SMART HOME



3

Eclipse Mist







Modern Natural



Deep Forest



Eclipse Mist