



4 modes of WaveKey

How do they work and where to use them?

WaveKey is a patented technology for mobile phone access. It's the fastest on the market, with best-in-class reliability and bulletproof security.

It offers users four different modes of use. These differ mainly in terms of convenience of use and the associated level of security. Therefore, you should always consider which mode you choose for a particular door. Of course, it is also possible to enable multiple modes for a single door and leave it up to the user which one to use.

01 Card mode



How does it work?

Card Mode is more than a full-fledged replacement for NFC technology, as it works for both Android and iOS devices. The user just presents their phone to the Bluetooth reader, just as they would a traditional card. Card mode is recommended in installations with a high flow of people passing by. Whilst there's no need to unlock the phone, it unlocks only at a very short distance.

Where to use it?

Busy offices and turnstiles

where employees crowd to work

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Convenience vs. security



02

Tap in app mode



How does it work?

The user opens the door by tapping a virtual button in the 2N® Mobile Key app. And since everyone's phone is usually secured by password, gesture or even fingerprint or facial recognition, this mode is considered to be as secure as possible.

An even higher level of security can be achieved with the two-factor authentication that can be included in this mode. To open the door, the user must enter their PIN code after pressing a button in the app.

Where to use it?

Office building entrances

Entrances to secure areas

Garage doors, parking barriers

finance department, server room, labs

longer range opening directly from your car

Convenience vs. security



03

Touch mode



How does it work?

With this unique mode, the user doesn't even have to take their phone out of their pocket or purse when they approach the door. He or she lightly touches the Bluetooth reader with their hand or elbow, and if they are authorized to enter, the door opens immediately upon touch (within 0.3s on average).

Where to use it?

Apartment buildings

front doors,
common areas

In an elevator

unlocking a floor

Office buildings

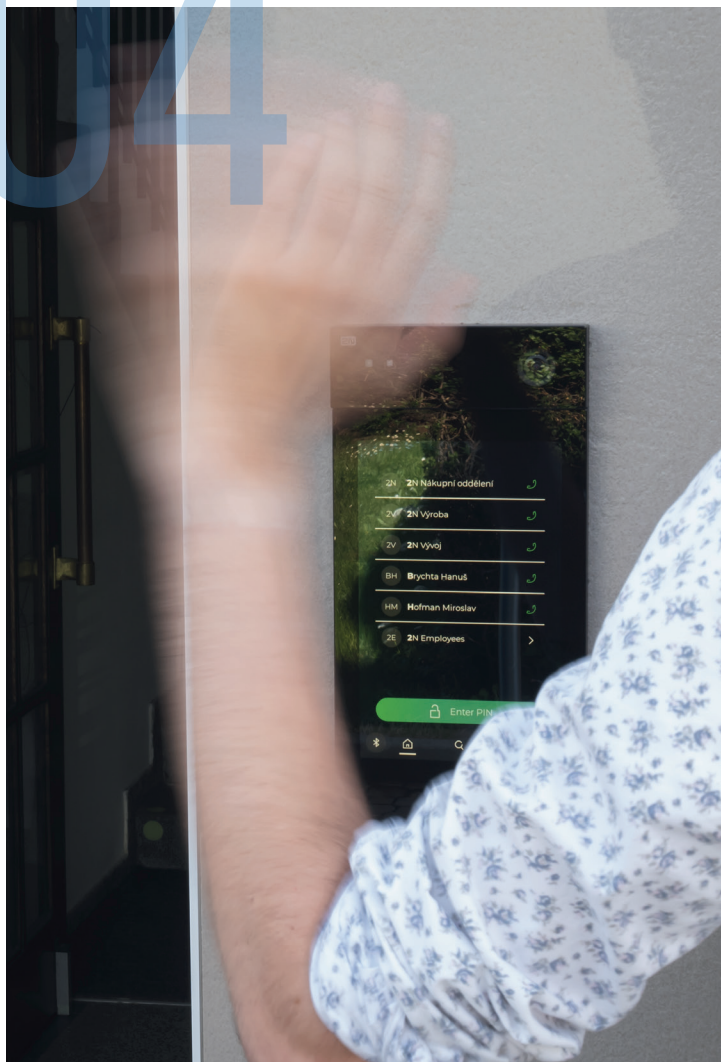
offices, meeting rooms,
passing between floors

Touch mode is less suitable where lots of people are constantly moving or congregating within a few metres of the door.

Convenience vs. security



04 Motion mode



How does it work?

A completely contactless way to open doors that takes the convenience of touch mode a step further. The camera in the intercom triggers the authentication process based on motion detection, but it is important to set the camera's behaviour well.

In this mode, it is important to set the camera's behaviour well - when, how and what you want it to react to.

- The camera reacts to a wave of the hand in front of the lens, i.e. to a significant change in the image near the camera.
- The camera will also pick up an approaching person, so a small change in the environment is enough. This means really a smooth passage through the door however the motion sensitivity needs to be perfectly tuned.

This mode is only applicable to intercoms with a camera, a camera setup licence, and a Bluetooth reader (2N® IP Style, 2N® IP Verso and 2N® LTE Verso).

Where to use it?

[Entrances to apartment buildings or offices](#)

We do not recommend deploying it in busy areas - there's a risk the door could be opened unintentionally by a third party.

Convenience vs. security

