

danalock 





## Danalock makes your doors smart

Danalock products are the intelligent way to control and manage the access to your home safely and comfortably. Simply lock and unlock your entrance or garage door with your smartphone. With Danalock you never have to worry about lost keys again.

The Danalock Deutschland app offers you many convenient features in addition and allows a comprehensive control over who has when and how long access to your home.

Due to the most advanced encryption technology and an easy user and access management, Danalock V3 and Danalock universal modules grant incredibly more comfort and safety for your home.

Combined with a separately available WiFi bridge you can control your Danalock products remotely and connect them with cloud services like IFTTT and Google Nest. Further connection possibilities via Z-Wave or Zigbee enable a seamless integration into home automation systems and expand the interoperability with other Smart Home devices.



## Easy access

Never lose your keys again! With Danalock you can comfortably open and close your door with your smartphone.



### Access via app

Use the free Danalock Deutschland app and turn your smartphone into a digital key for every smart lock. Set up a widget with iOS (9.3 or newer) as well as Android (4.4.4 or newer) in order to get a quick access. For even more comfort use your smartwatch to control your lock.



### Unlocks automatically

Hands full – no problem! Auto unlock simply opens your door when you approach your home (additional device Danalock Beacon required).



## Share access

No matter where you are, you can easily grant access to your home by sending an authorization to other people, such as the craftsmen. Just as easily, you can withdraw that permission in the app at any time.



## Simple administration

Give family members, guests, craftsmen, household help or nursing staff the kind of access needed without annoying hand-over of keys – simply right from your smartphone. Manage as many locks and users you want without limitation.

## Individual access profile

Choose between permanent, recurrent or temporary access permissions and send the invitation via SMS or to a registered Danalock user account.



## Always up-to-date

Receive notifications whenever the Danalock is locking or unlocking and be informed about important activities.



## Know when your kids get home

Get notified when certain persons open or close the lock with their smartphone. For example, enable push messages in order to be notified when your kids have arrived safely at home or left the house on time for activities.

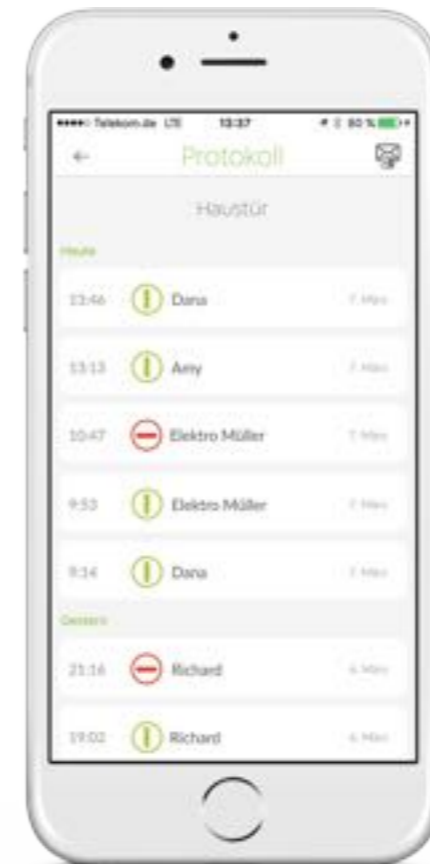
## For more safety

If someone else logs in with your user data on another mobile device, you will be alerted immediately.



## Stay in full control

Keep as administrator an overview of all activities and see exactly who entered or left your house – and when.



### Comprehensive activity log

The app provides a log that shows you which user locked or unlocked the door with his smartphone – and when.

### Data export

Export data from your activity log as CSV file and use it, for example, for time tracking at your office.



## High level of security

We use the most advanced encryption method for transferring data. Every bit and byte is encrypted twice, thus safely protected against access from outside. Danalock's encryption method is as secure as online banking.

- Strongly encrypted with AES-256-bit and thus the only lock worldwide with such a high level of encryption.
- TPM (Trusted Platform Module) to store encryption keys.
- The TLS protocol in Bluetooth communication is one among many protection measures to prevent replay attacks. Each lock command is unique and cannot be intercepted and reproduced by third parties.
- Due to the asymmetric cryptography, digital keys are never transmitted completely.
- Keys are saved on the smartphone, unreachable for third parties.
- No fallback key: Keys are randomly generated during installation.
- Guest keys have a limited validity and must constantly be refreshed in a set time interval.
- There is no default user. When creating an account, the user must enter a password.
- After three invalid access attempts, the Danalock locks itself for two minutes.



## Smart interaction

In addition to Bluetooth, Danalock provides even more interfaces in order to enable the integration into different smart home systems and to expand the interoperability with other devices and services.

### WiFi bridge

Connect your Bluetooth Danalock easily to the internet with a Wi-Fi bridge or an Android device and the Danabridge app. This offers you many advantages:

- Control your Danalock remotely and open the door for guests anytime and from anywhere.
- Use your Danalock with cloud-to-cloud services like IFTTT and create automated actions according to the rule if-this-then-that.
- Check anytime and no matter where you are, whether your door is currently locked or unlocked.

### Z-Wave

Z-Wave is a wireless communications protocol used for home automation. Danalock is optionally available with a Z-Wave chip and supports the new Security 2 framework (S2) for maximum security.

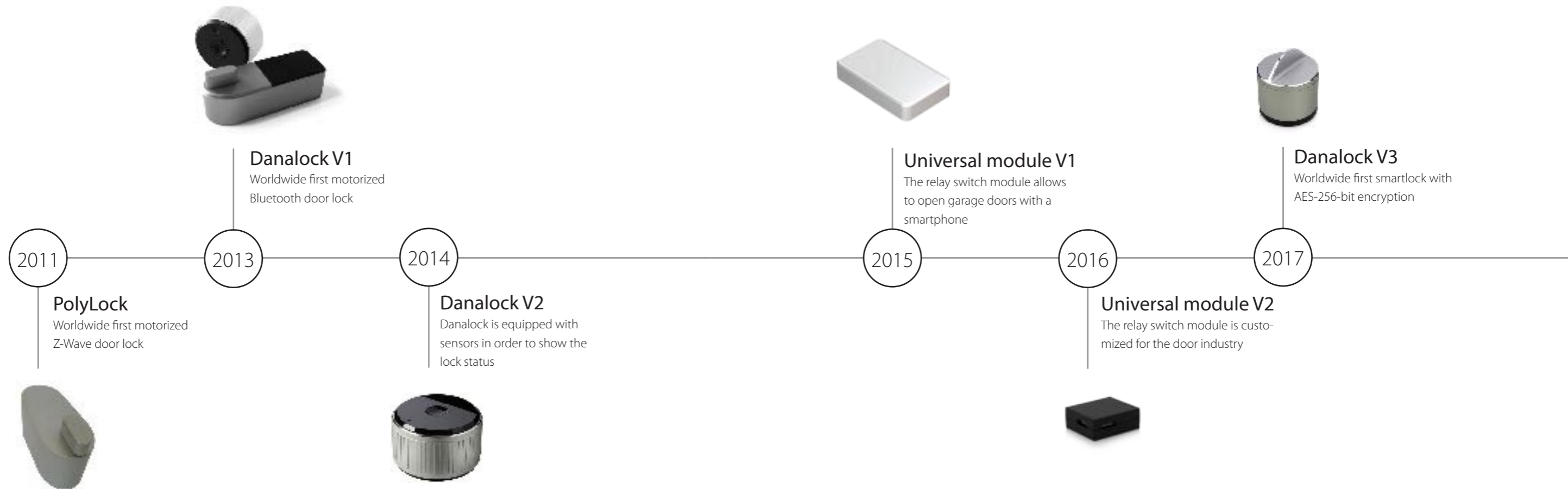
### Zigbee

Zigbee is a wireless communications protocol used for home automation. Danalock is optionally available with a Zigbee chip, which is HA 3.0 ready.



# The smartlock pioneer

Many years of development work and experience in the home automation industry are the basis for constantly setting new standards. Both hardware and software have been continually developed to create a perfect product experience.





Also for your garage door




The Danalock universal module allows you to easily control your garage door with your smartphone.

# Main products

	 Motor lock V3	 Universal module V1	 Universal module V2
Application areas	For all doors with a mechanically operated Euro profile cylinder	<ul style="list-style-type: none"> <li>• Garage doors and gates with a motor</li> <li>• Door buzzer / E-Opener (e.g. for main entrance door of multiple apartment buildings)</li> <li>• Motor locks (e.g. from Fuhr, G-U, KFV, Maco, Roto and Winkhaus)</li> <li>• Intercoms</li> <li>• Revolving and sliding doors</li> </ul>	
Power supply	4x CR123 A batteries Battery life depending on usage 6-12 months	2x AA batteries Battery life depending on usage 6-24 months	12-24 V AC or DC
Encryption	AES-256-Bit	AES-128-Bit	
OTA firmware upgrade	Yes	-	
Available versions	<ul style="list-style-type: none"> <li>• Bluetooth</li> <li>• Bluetooth &amp; Z-Wave</li> <li>• Bluetooth &amp; Zigbee</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth</li> <li>• Bluetooth &amp; Z-Wave</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth</li> <li>• Bluetooth &amp; Beacon</li> </ul>



# Accessories

	 <p>Danalock cylinder</p>	 <p>WiFi bridge</p>	 <p>Beacon</p>
Compatible with	<ul style="list-style-type: none"> <li>• Motor lock V3</li> </ul>	<ul style="list-style-type: none"> <li>• Motor lock V3</li> </ul>	<ul style="list-style-type: none"> <li>• Motor lock V2</li> <li>• Motor lock V3</li> <li>• Universal module V1</li> <li>• Universal module V2</li> </ul>
Features	<ul style="list-style-type: none"> <li>• Outside length: 36 - 67 mm</li> <li>• Inside length: 25 - 60 mm</li> <li>• Lock security class 6 according to DIN EN 1303</li> <li>• Picking security</li> <li>• 3 physical keys included</li> <li>• Security card included (key duplication only with submission of the card possible)</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth WiFi bridge to control the Danalock via internet</li> <li>• Allows interaction with cloud to cloud services like IFTTT</li> <li>• Power supply: Power plug (230V)</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth Beacon to improve the Auto unlock function</li> <li>• Battery lifetime up to one year</li> <li>• Exchangeable button cell battery (1x CR2477)</li> </ul>



## Danalock motor lock V3

Danalock is a motorized lock, that can easily be mounted on the inside of the door and is controlled conveniently with a smartphone. It fits on any door with a mechanical Euro profile cylinder.

### Easy installation – without drilling

To mount the lock on the door, simply replace your existing cylinder with an adjustable Danalock cylinder and screw the motor lock onto it.

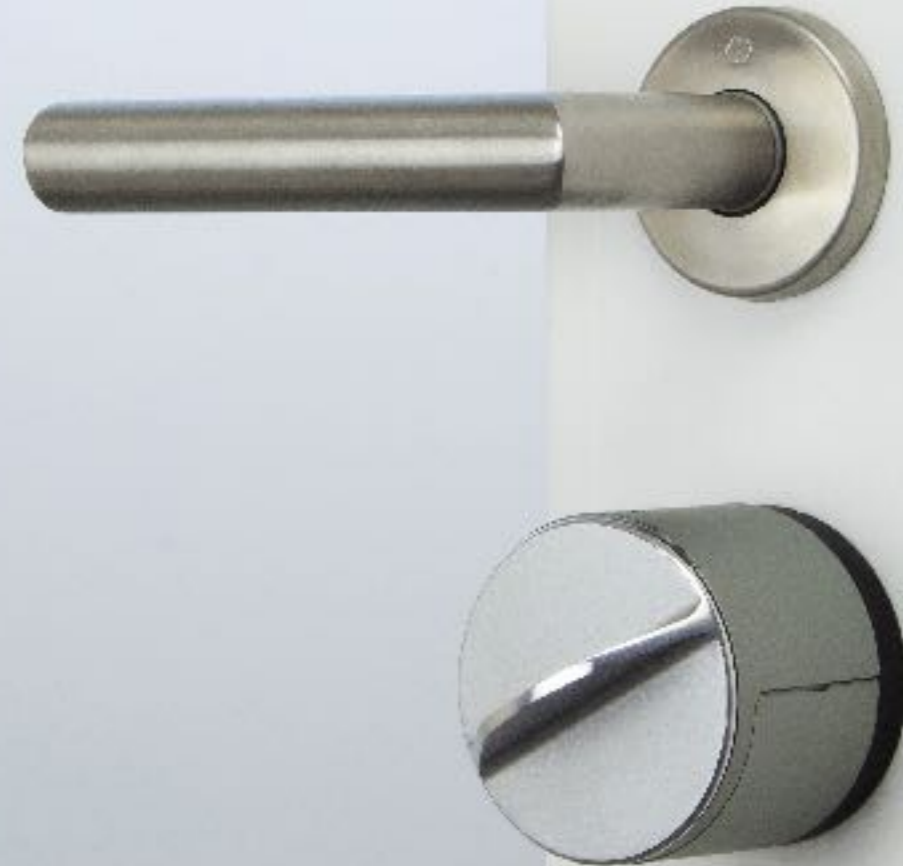
### Empty battery or no smartphone?

After the installation, the door can still be opened and closed from the outside with a physical key. From the inside you can turn the Danalock manually.

### Auto lock

Let the Danalock lock your door seconds after you left your home. The Auto lock function locks your door automatically after a set time.

Diameter: 60 mm  
Height: 65 mm  
Weight: 200 g  
Torque: 1,5 Nm



# Danalock cylinder

The new adjustable cylinder is not only more secure, but allows also a very easy and quick installation: The Danalock is simply attached to the cylinder.

- Outside length: 36 - 67 mm
- Inside length: 25 - 60 mm
- Lock security class 6 according to DIN EN 1303
- Picking security
- Three physical keys included
- Security card included (key duplication only with submission of the card)



# Universal module V1

With the Danalock universal module you can conveniently control your motor driven doors or gates via your smartphone.

The module has a relay to switch a potential-free contact. The supply voltage can be output for a certain time (1-180 seconds) or permanent.

- Supply voltage: 3 V DC or 2x AA batteries
- Kind of switch output: Potential-free contact
- Maximum switching voltage: 48 V
- Dimensions housing: 130 x 80 x 25 mm
- Dimensions board: 55 x 45 x 15 mm



# Universal module V2

With the Danalock universal module you can conveniently control your motor driven doors or gates via your smartphone.

The module has two relays to switch potential-free contacts. The supply voltage can be output for a certain time (1-180 seconds) or permanent. Due to its compact construction, it's perfect for installation in doors.

- Supply voltage: 12-24 V DC, 12-24 V AC
- Kind of switch output: Potential-free contacts
- Maximum switching voltage: 48 V
- Dimensions: 40 x 35 x 15 mm
- Plug-in cable sets are available for motor locks from G-U, FUHR, KFV and Winkhaus





# Danalock Beacon

In combination with the Beacon, Danalock opens your door automatically and reliably as soon as you approach your home.

## Open Sesame!

Beacon is a tiny Bluetooth transmitter, that is placed near the Danalock and acts as a trigger for the Auto unlock function. When a user approaches the entrance door, the Danalock Deutschland app on the smartphone detects the Beacon and sends the command to unlock the door to the Danalock.

## Tap to unlock

To keep control, activate the Tap to unlock function in addition: The door will only be unlocked after the user has confirmed it.

