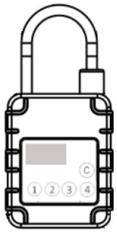
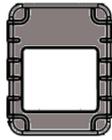


5G IoT Smart Padlock Quick Start Guide

What's included



WANlock
(includes batteries and 5G IoT SIM card inside)



Rubber cover



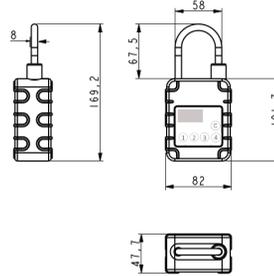
Torx Screwdriver end piece
(handle not included)



3 x NFC keycards

Specifications

Display elements:	1 x LED blue
Acoustic signal:	Signal transmitter
Battery:	2 ER18505H 3.6V Li/TC +SPC1520capacitor
Battery life:	approx. 2 years or approx. 20.000 operations
Temperature range:	-50 to 60° C
Relative humidity:	20 to 95% RH
Dimensions:	L10.0mm x W8.2mm x B4.7mm
Weight :	1Kg
Surface housing	Black Stainless steel armoured glass numberplate
5G IoT Module:	Telit 310G WW (NB-IoT, LTE-M, 3G, 4G,5G)
SIM card	5G IoT micro SIM (global roaming)
Unlocking methods:	Digital Keys app, NFC keycards, PIN, software



NOTE: The batteries are custom built for this product, and replacements can be ordered only at <https://www.digitalkeys.io/> or your local distributor/re-seller

01

Features

Batteries

The product is fitted with non-rechargeable long-lasting lithium thionyl chloride batteries inside and are fully charged. DO NOT remove the cover as the batteries are already plugged in and ready to use. The batteries are NOT rechargeable. The batteries typically last around 2 years based on 3 activations a day (unlocks and retrieving data such as who opened at what time) are activations. Please do not attempt to use the side port for recharging (this is for another lock model and should remain glued closed).

When battery is running low, you will receive warnings and notifications from the Access Management Software and Digital Keys apps. Please check the section in this guide 'Replacing batteries' for how to replace the batteries. Replacement batteries are available from your local distributor or can be ordered on the digital keys website.

Local Date and Time

When the smartlock connects for the first time to your local network, it will ping the closest local mobile phone tower and use that local internet time. You do not need to set the date and time on the lock or in the software or apps.

LED Display

The LED display lights up when the lock is woken up by shaking/twisting it. The display shows the following; if the smartlock is locked or unlocked; the 5G IoT connection type (NB or LT); the local temperature; the local date and time. (This data is also recorded in the software).

Unlocking methods

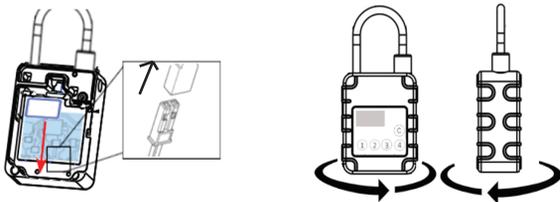
Keycard unlock - Included are 3 keycards which can be used for permanent unlocking.

PIN unlock - The PIN unlock is set at a factory unlock code of 12341234. This factory code will be automatically deleted when you generate your first time-sensitive PIN code in the access management software. See the Smart Access Management Software guide here <https://www.digitalkeys.io/5giot-smart-access-resources> for instructions on how to generate PIN's

03

Powering up

- Insert the power cable into the power port (see below left). This will power up the padlock. Place the cover on and screw in the tamper proof screws on the back of the padlock with the tamper proof screw driver head. Twist (rotate) the padlock to wake it up (see below right)



- After the LED screen lights up for the first time, wait 10 seconds to 1 minute for the padlock to connect to the local 5G IoT network (it takes longer for first connection than subsequent connections).
- When a connection has been established the letters NB or M1 (5G IoT network names) show up on the LED screen along with a small tower and bars. You are now ready to control your smartlock. See next section for more.

02

Features

Software unlock - You can unlock remotely inside your Smart Access Management Software account. See section 'Control your smartlock' in this guide for how to do this). You can remotely unlock from anywhere (in any place/country to any other place/country). Someone will need to be onsite to wake up the lock and lift the padlock shackle. The URL and login and username for your software account was emailed to you from info@digitalkeys.co when you first purchased your product. If you have not yet received an email with log in details please email info@digitalkeys.co (please check your SPAM account first to see if email is in there).

Digital Keys app unlock - You can unlock with the digital keys app. NOTE: YOU MUST DOWNLOAD THE APP FIRST to use this unlock method. Search 'Digital Keys' (from Digital Keys Pty Ltd) from the Google Play store (Android) or App Store (Apple iPhone) and install to your smartphone (or follow the links to the stores on the digital keys website). You must log into the app with your same username and password you use for logging in to the access management software (which was emailed to you after you bought the product). You will also need to have NFC switched to on in your phone settings to use digital key app unlocking.

If you would like to share your digital keys with other users so they can also unlock with the digital keys app, you will need to add these users (including their email and name) in your software account. When you first generate a digital key for your user they will receive an email with an invite to download the digital keys app (and information on how to use it).

Manuals/Files downloads

This is a quick start guide for your smart padlock only. For more detailed manuals to download (including Smart Access Management Software guide and Smart Padlock hardware guide) go to <https://www.digitalkeys.io/5giot-smart-access-resources>

04

Controlling your smartlock

01

Log into your Smart Access Management Software account with your username and password emailed to you from Digital Keys Ltd after you purchased your product. If you did not receive an email with your username and password from Digital Keys Ltd please email support@digitalkeys.io.

02

Upon login, go to 'Assets' (from side menu) > Click 'New' button > Enter all the details about which asset (building/cabinet/gate etc) that your smartlock will be physically attached too.

03

After clicking 'Submit' your asset will appear in the assets table page > click 'view smartlocks' button to attach your smartlock to the asset > click 'new' and fill in all the fields.

04

Congratulations your smartlock is now ready to be controlled! To learn more about all the features of your smartlock including generating time-sensitive digital keys and how to use them, go to <https://www.digitalkeys.io/> and download the Software user guide from the resources page here <https://www.digitalkeys.io/5giot-smart-access-resources>

Unlocking

PIN unlock

1. Shake padlock once to wake device up
2. Key in a valid PIN code on the numberpad of your smart padlock followed by the "C" button (factory PIN is 1234C - a valid PIN code needs to be created in your Software account to replace the factory setting – go to 'create digital keys and select PIN in digital key options')
3. Wait for a long beep and blue light flash after 1 to 4 seconds and the LED display will show "unlocked".
4. Pull the shackle up to unlock.

App unlock

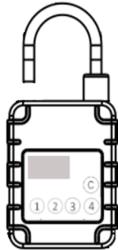
1. Open your digital keys mobile app on your mobile phone (mobile app available to download in the Apple App store, and the Google Play store (Android) search 'digital keys').
2. Scroll to the valid digital key for the specific lock you want to unlock in the app and click it. (To make a valid digital key for your smartlock, log-in to your software account and go to the create digital keys page and enter details e.g date and time, and user you want the digital key to work for).
3. Hold your phone within 2-5 centimetres of numberpad to unlock (make sure NFC is switched on in your phone settings).
4. The padlock will display 'unlocked' on the LED screen within 1-4 seconds.
5. Pull shackle up to unlock it.
6. Hold phone up to the numberpad again to lock it (the lock will automatically shut down again in up to 30 seconds).

Unlocking (cont.)

4. Your user will receive an email advising them that their digital key has been created, and the digital key will immediately appear in their app (the user will also receive an invite to download the digital keys app if they have already downloaded the app. The user needs to hit the refresh button if they have the app opened to receive their digital key.
- NOTE: the user will need to use the same email address you created for them to log into the app.
6. When the user wants to unlock the lock, they can follow the steps above for digital keys mobile app unlock (that is they open the app and select the digital key from the list, and tap on the digital key, and then hold their phone within 2-5 centimetres to unlock).
- NOTE: if the user has the digital keys app open when the digital key is generated, they simply need to refresh the screen to see the newly created digital key.

Relock

Close the shackle in place(push down) and re-enter PIN/tap card/hit the lock button on the app/click the padlock icon in the software to lock again - the LED display will update to 'locked'.



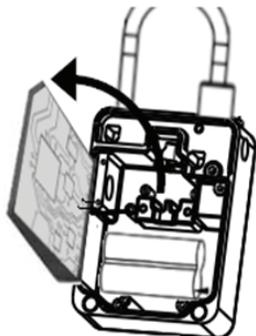
Replacing batteries (cont.)

Carefully and very slowly lift the circuit board as if it's a page in a book keeping the left hand side of the circuit board still touching the metal base – DO NOT COMPLETELY REMOVE THE CIRCUIT BOARD (the back of the circuit board is plugged into the motor and if you remove it completely, the cord to the motor will tear out and the padlock will no longer work – be aware of the plugged in cable on the back of the circuit board as you slowly lift the PCB).

Remove the battery pack, and replace it with a new battery pack (battery packs are available from local distributors or from the accessories page of the digital keys website).

Carefully close the circuit board into place, making sure the cable and 2PIN port is sticking out, so you can plug it when the circuit board is flat in place again.

Plug the 2PIN port into the connector on the front of the circuit board. Screw the small screws of the circuit board back into place. Place the cover back on and screw in the torx screws on the back of the lock with your torx screwdriver.



Unlocking

Card unlock

1. Tap a valid card to the padlock numberpad - valid cards are included in the box (in side section of box). For more information about keycards – visit our resources page on our website
2. The padlock will beep, and display 'unlocked' on the LED screen
3. Pull shackle up to unlock it.
4. Hold card up to numberpad on padlock to lock again. The lock will automatically shut down again.

Software (remote) unlock

1. Log into your Software account (details provided in email as outlined in earlier section)
2. Open the smartlocks page to see the list of your smartlocks. Click the unlock 'padlock button' next to the smartlock you want to unlock  
3. Shake the padlock to wake it up
4. The padlock will beep, and display 'unlocked' on the LED screen within 1-4 seconds.
5. Pull shackle up to unlock it.
6. Click the button again to lock it.

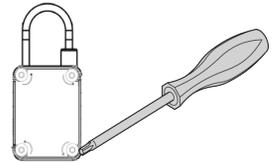
Guest keys

1. Log into your Software account
2. Click 'Create new user' from the dashboard and enter your users details. NOTE the user/guest will need a valid email address to use this feature.
3. Create a digital key in the software (go to the create digital keys page and enter details e.g date and time you want the digital key to work for, and select your user from the user drop down menu).

Replacing batteries

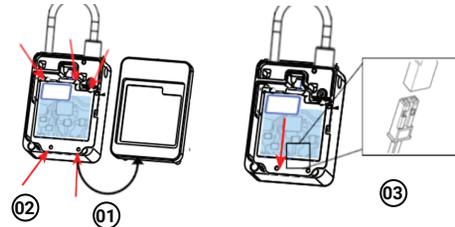
You should only need to replace the batteries after around 2 years. You will receive notifications to your email when battery is running low (below 20%)

Remove the rubber cover. Screw out the four torx screws in each corner on the back of your padlock with your torx screwdriver bit provided..



Carefully turn the padlock over and

1. remove the faceplate.
2. Remove the small screws to the circuit board.
3. Remove the battery 2PIN cord from the connector



DIGITAL
KEYS

For more information and to download software and hardware manuals visit <https://www.digitalkeys.io/>