

GAT DL 320 Electronic Locking Cylinder

Short Description

General

In the "stand-alone" operating mode of the GAT DL 320, data carriers can easily be authorized on-site using the Programming and Delete cards. In "WiNET" operating mode, the GAT DL 320 communicates with an access terminal via radio frequency and the data carrier authorizations for the GAT DL 320 are not managed on-site but via the access terminal or via access control software on a server/PC. A quick and secure battery change is possible while in the installed state and is carried out using the Battery Card. The Demount Card is used to install the GAT DL 320, specifically for the disassembly and reassembly of the lock.

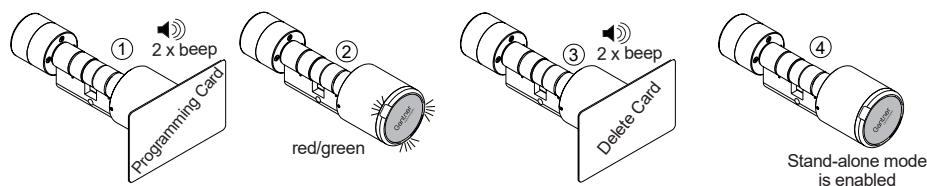
Stand-Alone Mode

Enable stand-alone mode

Upon delivery, the GAT DL 320 is set to operate in installation mode, in which every user data carrier is authorized for access. The change from installation mode to stand-alone mode is carried out by reading the Programming Card and the Delete Card.

1. Hold the Programming Card in front of the face of the GAT DL 320. You will hear 2 beeps.

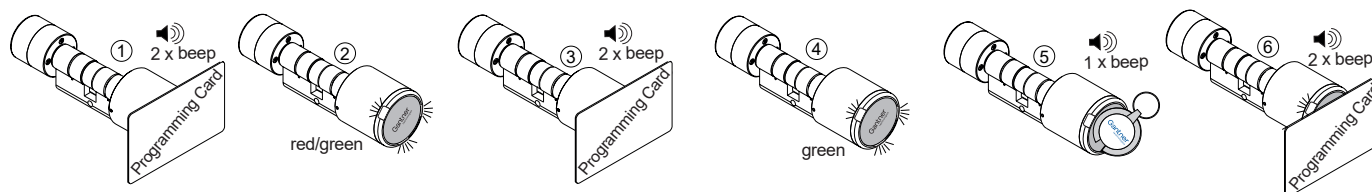
2. The LEDs flash red and green simultaneously. Remove the Programming Card.
3. Hold the Delete Card in front of the lock while the LEDs are flashing. You will hear 2 beeps.
4. When both cards have been programmed, the GAT DL 320 is in stand-alone mode and the user data carriers can be authorized.



Authorize user data carriers

1. Hold the Programming Card in front of the lock. You will hear 2 short beeps.
2. The LEDs flash red and green alternately. Briefly remove the Programming Card.
3. Hold the Programming Card in front of the lock again. You will hear 2 short beeps.
4. The LEDs start to flash green. Remove the Programming Card from the lock.

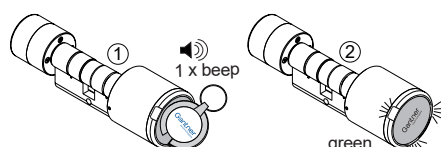
5. Hold the desired user data carrier in front of the lock. You will hear 1 short beep. Remove the user data carrier, which is now saved in the GAT DL 320 (authorized). To authorize additional user data carriers, hold each one in front of the lock in the same way until all are authorized.
6. To end the "Authorize user data carrier" process, hold the Programming Card in front of the lock again. You will hear 2 short beeps.



Unlock a door with a user data carrier

1. Hold an authorized user data carrier in front of the lock. The user data carrier is read and the authorization is checked.

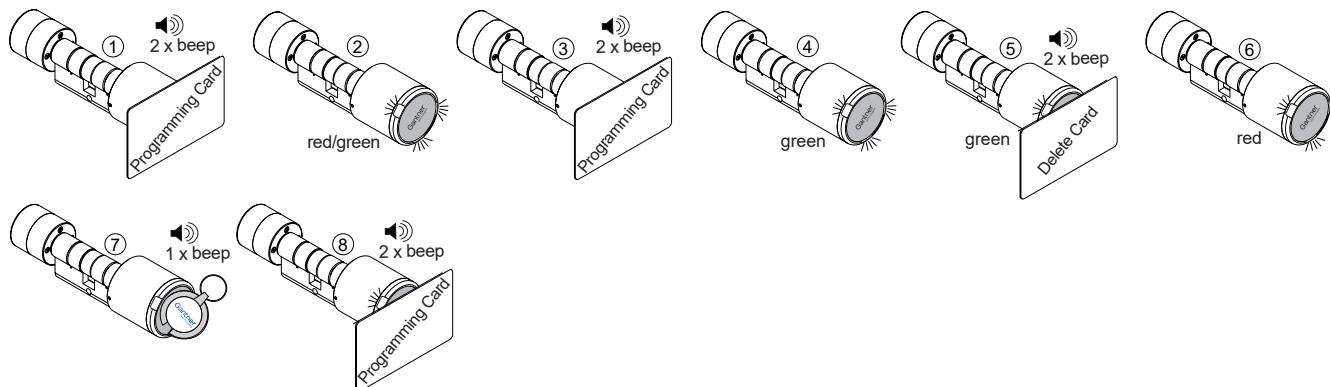
2. If the authorization is valid, 1 beep is emitted and the LEDs flash green briefly. The door is now released for the defined unlocking time (default = 5 seconds). You must turn the door knob during the unlocking time to open or close the door.



Delete a user data carrier

1. To delete saved user data carriers, hold the Programming Card in front of the lock. You will hear 2 short beeps.
2. The LEDs flash red and green alternately.
3. Briefly remove the Programming Card and then hold it in front of the lock again. You will hear 2 short beeps.
4. The LEDs start to flash green. Remove the Programming Card from the lock.
5. To start the deletion process, hold the Delete Card in front of the lock while the LEDs are flashing green. You will hear 2 short beeps.

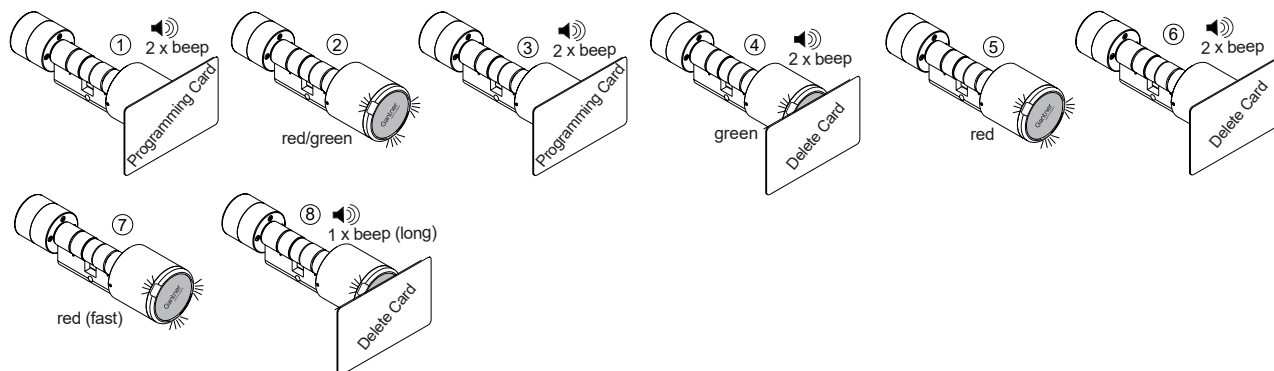
6. The LEDs start to flash red.
7. Hold the user data carrier to be deleted in front of the lock. 1 short beep can be heard. The user data carrier has now been deleted and is therefore no longer authorized for access. To delete additional user data carriers, hold each one in front of the lock in the same way.
8. To end the „Delete a user data carrier“ process, hold the Programming Card in front of the lock again. You will hear 2 short beeps.



Delete all user data carriers

1. To delete all stored user data carriers, hold the Programming Card in front of the lock. You will hear 2 short beeps.
2. The LEDs flash red and green alternately. Briefly remove the Programming Card.
3. Hold the Programming Card in front of the lock again. You will hear 2 short beeps.
4. To start the deletion process, hold the Delete Card in front of the lock while the LEDs are flashing green. You will hear 2 short beeps.
5. The LEDs start to flash red. Briefly remove the Delete Card.

6. To start the "Delete all user data carriers" process, hold the Delete Card in front of the lock again. The activation of the deletion process is confirmed by 2 short beeps.
7. The LEDs start to flash red at a rapid rate. Remove the Delete Card.
8. To delete all user data carriers, hold the Delete Card in front of the lock again. The deletion is confirmed by 1 long beep. Remove the Delete Card. All user data carriers have now been deleted and are no longer authorized at the door. You must re-authorize the user data carriers that are to be authorized for access individually.



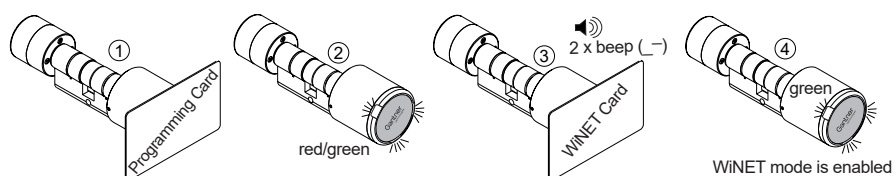
WiNET Mode

Enable WiNET mode

To enable WiNET mode, the GAT DL 320 must first be in stand-alone mode. Complete the following steps.

1. Hold the Programming Card in front of the lock.
2. The LEDs flash red and green simultaneously. Remove the Programming Card.

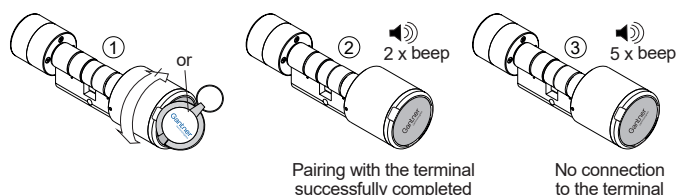
3. Hold the WiNET Card in front of the lock while the LEDs are flashing. You will hear 2 beeps (low-high).
4. The LEDs flash green for approx. 1 second. Remove the WiNET Card from the lock. The GAT DL 320 is now in WiNET mode, but there is still no connection to the central WiNET transmitter.



Connect to WiNET (pairing with an access terminal)

Each GAT DL 320 in WiNET mode is paired with exactly one WiNET terminal (fixed assignment). After enabling WiNET mode, there is still no connection to the WiNET terminal. The one-time pairing with a terminal is completed as follows.

1. The GAT DL 320 must be assigned to the desired access terminal in the access control software.



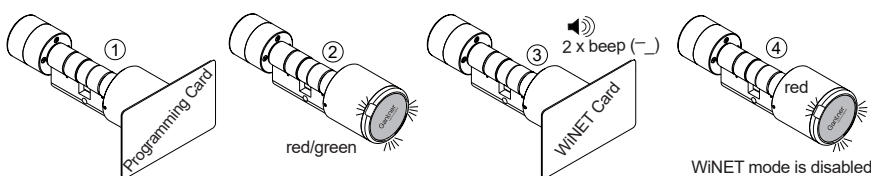
2. To pair with the terminal, turn the knob of the GAT DL 320 or hold a data carrier in front of the lock. The lock automatically tries to establish a connection to the terminal.
3. If the connection and pairing were successful, you will hear 2 beeps.
4. If the connection could not be established, this is signaled by 5 beeps.

Note: To test whether there is a connection to the terminal, hold an authorized data carrier in front of the lock. If the connection is not active, 5 beeps can be heard.

Disable WiNET mode

1. Hold the Programming Card in front of the lock.
2. The LEDs flash red and green simultaneously. Remove the Programming Card.
3. Hold the WiNET Card in front of the lock while the LEDs are flashing. You will hear 2 beeps (high-low).

4. The LEDs flash red for approx. 2 seconds. Remove the WiNET Card from the lock. WiNET mode is disabled and the GAT DL 320 is set to operate in stand-alone mode again.



Battery change, Maintenance & Service

Disassemble the lock

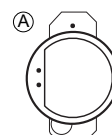
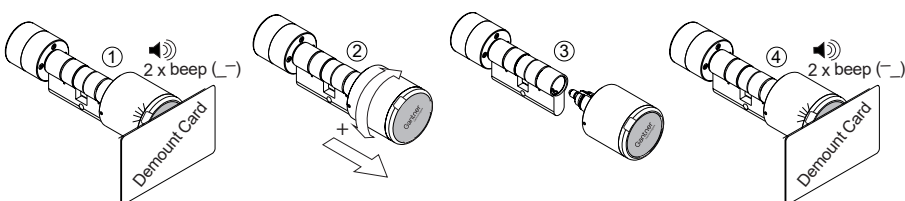
The lock must be disassembled for installation.

1. Hold the Demount Card in front of the lock. 2 short beeps can be heard (low-high).
2. Turn the knob back and forth and at the same time pull it gently until the door knob can be easily removed.
3. After installing the GAT DL 320, insert the door knob back into the GAT DL 320. To do this, turn the door knob back and forth until it clicks into place.

4. For the final fixation, hold the Demount Card in front of the lock again. 2 short beeps can be heard (high-low).

Note: The padlock version of the GAT DL 32x is disassembled as follows:

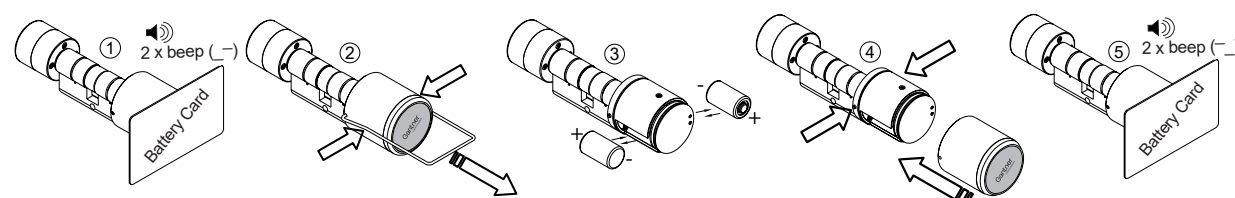
1. Remove the cover (GANTNER logo) from the knob.
2. Turn the knob so that the contacts of the emergency power supply point towards 9 o'clock (see figure A below).
3. Complete steps 1 and 2 of the "Disassemble the lock" instructions.



Change the GAT DL 320 battery

1. Hold the Battery Card in front of the lock. 2 short beeps can be heard (low-high) and the locking pins are released.
- Note:** If a battery warning is detected, these pins are automatically released, which is why this first step can be omitted in this case.
2. Remove the knob cover. This is done using the enclosed spring by pressing in the locking pins.

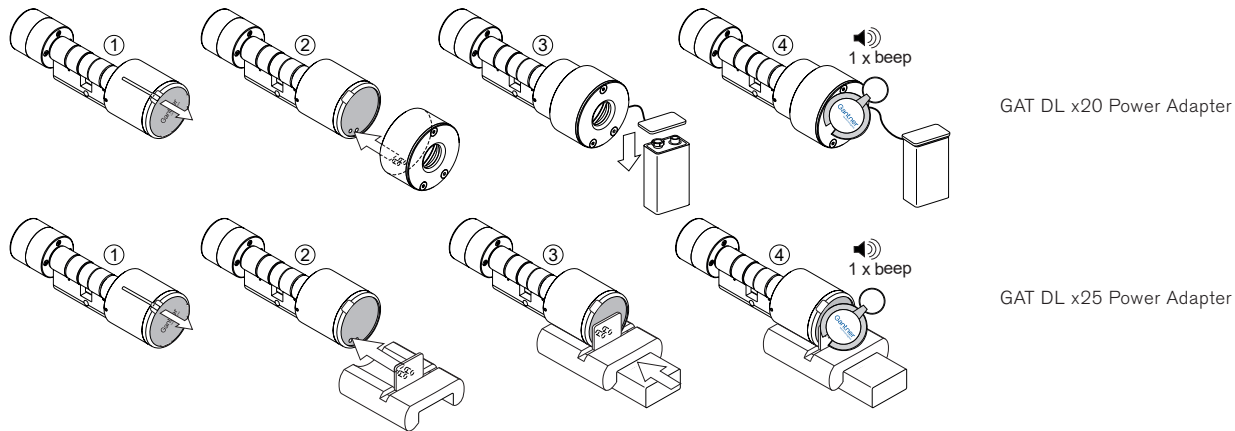
3. Change the batteries. Please note the polarity of the batteries.
4. Press in the locking pins with your fingers and slide the knob cover back on. Ensure that the locking pins are properly engaged.
5. To secure the knob cover, hold the Battery Card in front of the lock again. You will hear 2 short beeps (high-low) and the locking pins will lock.



Emergency release when the battery is empty

To open a GAT DL 320 when the battery is empty, a power adapter (depending on the type: the GAT DL x20 Power Adapter or the GAT DL x25 Power Adapter) is available for external power supply.

1. Remove the front panel of the GAT DL 320.
2. Attach the power adapter to the lock. It is important to ensure that the 2 contact pins on the power adapter are exactly aligned with the 2 contact surfaces of the GAT DL 320 knob.



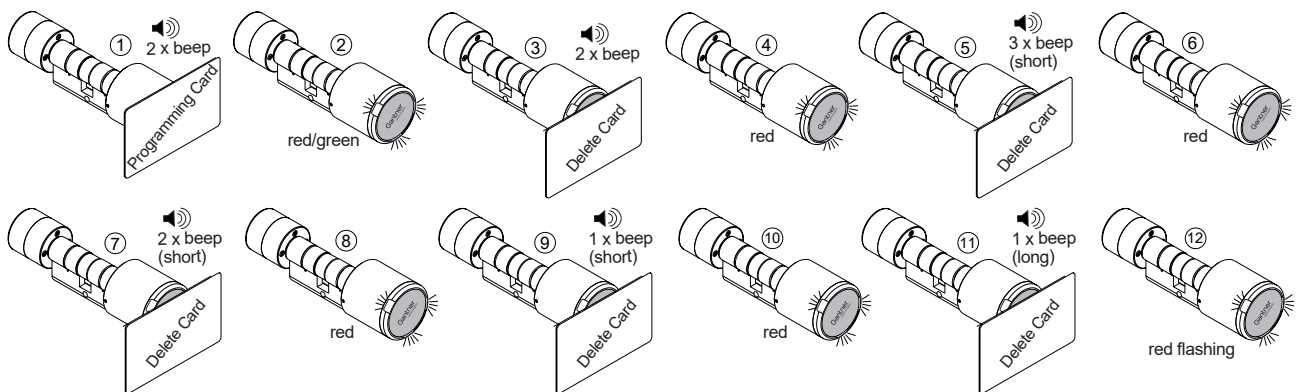
Reset to default settings

When resetting to the default settings, all authorized data carriers in the GAT DL 320 are deleted and the GAT DL 320 is reset to its default state. After resetting, the lock is returned to installation mode.

1. Hold the Programming Card in front of the lock. You will hear 2 short beeps.
2. The LEDs flash red and green alternately. Briefly remove the Programming Card.
3. Hold the Delete Card in front of the lock while the LEDs are flashing. You will hear 2 beeps.

3. Connect a 9 V battery to the power adapter.
4. Hold an authorized data carrier in front of the power adapter. The GAT DL 320 carries out the standard access process and unlocks the door depending on authorization and schedule.
5. Change the battery of the GAT DL 320 as described in the previous section.

4. Remove the Delete Card from the lock.
5. - 11. Repeat steps 3 and 4 four times (the Delete Card must be held in front of the lock 5 times in total). Each time the Delete Card is read, a higher number of beeps (see following figure) are emitted.
11. After the Delete Card is read for the fifth time, a long beep can be heard and the LEDs flash red quickly for a few seconds.
12. Once the LEDs have stopped flashing, the GAT DL 320 is reset to the default settings and is set to operate in installation mode.



Emergency unlocking when no access data carriers are working

In the event that the access data carriers are not working, i.e., if the GAT DL 320 cannot be unlocked using the data carriers anymore, the following points can help.

- Try to reload the GAT DL 320 and then try to access it again.

Note: For loading, create the GAT DL 320 as an offline device in the GAT Manager software and define the access authorizations for the persons (= data carriers) in GAT Matrix. The configuration is then made available to the GAT Configuration Manager software via the GAT ST 220 service and the GAT DL 320 can be reloaded using this software and the USB WINET dongle on the PC/server. See also the information in the GAT Configuration Manager software.

- Disassemble the lock using the Demount Card (see section above) and use another GAT DL 320 lock.
- Reset the GAT DL 320 to the default settings and then try to unlock it with a data carrier.
- Break open the door.