

GAT Passkey Management System

Breif Description

General

The GAT Passkey system is a convenient way to authorize and manage general and fire department keys at access control readers that operate without a wired online connection to the server. The authorization of the passkeys at the access control readers is carried out using the GAT Passkey Management Card. For the passkeys, standard employee ID cards or special key tags, e.g., "fire department data carrier" with special labeling, can be used.

In order for GANTNER to write the unique numbers of the desired passkeys onto the GAT Passkey Management Card, the following information is required when ordering the Passkey Card (see next section "Ordering"):

1. The unique numbers of the desired passkeys.
2. The desired opening function.

Key features of the GAT Passkey system include:

- Functions with all operating modes (standalone, CardNET, WiNET, etc.).
- Up to 9 passkeys can be assigned per door.
- The physical passkey is not required for lock programming (e.g., when the passkey is locked in a fire safe).
- Lost or stolen passkeys are easily deactivated.
- The validity of passkeys assigned to specific objects, buildings, or even doors can be limited.
- Passkeys function independently of the software solution in use.
- Passkeys function even if the entire locking system fails.
- Selectable opening function (permanent unlocking or one-time unlocking).

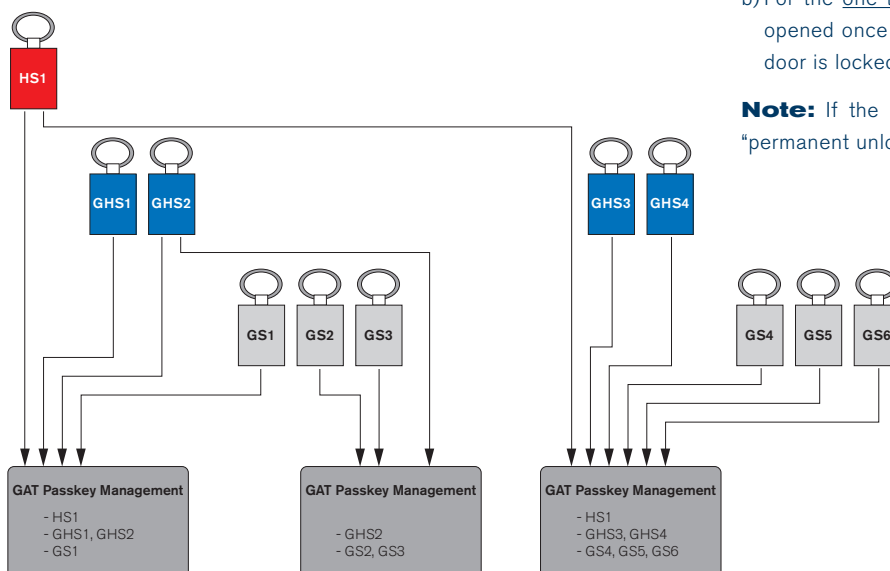
1) Ordering

1 to 9 passkeys can be stored on a GAT Passkey Management Card (Part No. 496738). After placing an order with GANTNER, the unique numbers of the passkeys are coded onto the GAT Passkey Management Card. The card numbers of the passkeys are also printed on the GAT Passkey Management Card to easily distinguish between multiple GAT Passkey Management Cards.

By ordering several GAT Passkey Management Cards, a hierarchical passkey system can be created. The system thus allows a passkey to be authorized access for one or more buildings as well as for specific areas within the buildings.

If additional passkeys need to be added to a GAT Passkey Management Card, the existing GAT Passkey Management Card and the numbers (unique number and card number) of the passkeys to be added must be sent to GANTNER.

Example of the passkey hierarchy:



1. There are two options for disclosing the **unique numbers** of the desired passkeys:

- a) Send the desired passkeys to GANTNER. These will then be read out by GANTNER and written to the passkey card.
- b) Read out the passkeys yourself and provide the unique numbers. The USB Desktop Reader (Part No. 863231) can be used to read out the unique numbers. To do this, the setting "Mode 003 Unique Number" must be enabled. In addition, the RFID standard of the passkey must be specified (prime, advant, ISO 14443, or ISO 15693). The passkeys do not require any coding.

2. The desired **opening function** must also be specified when ordering. Two opening functions are available:

- a) For the permanent unlocking function (=default), the door remains permanently open after unlocking with a passkey and this function can only be canceled via a renewed identification using a passkey (the same as was used for unlocking or using another passkey with permanent unlocking functionality).
- b) For the one-time unlocking function, the door can be unlocked and opened once at any time using the passkey. After being opened, the door is locked again (according to the schedule).

Note: If the desired function is not specified, the default function "permanent unlocking" is used.

2) Operation

Regardless of the operating mode (standalone, CardNET, WiNET, etc.), the GAT Passkey System can be used with the following devices:

- GAT DL 320, GAT DL 325 from firmware V 2.6
- GAT DL 340, GAT DL 345
- GAT DL 350, GAT DL 360 from firmware V 2.6
- GAT DL 370
- GAT ST 220, GAT ST 225 from firmware V 4.0
- GAT ST 210 from firmware V 4.0
- TAC LEGIC from firmware V 4.0
- GAT ECO.Side Lock 7000 NW BA CardNET from firmware V 2.0
- GAT ECO.Side Lock 7000 NW BA OSS from firmware V 2.0

Older firmware versions do not support the GAT Passkey System!

3) Authorizing the Passkeys

When a GAT Passkey Management Card together with the Programming Card from the Master Key Set are read by one of the devices listed above, the passkeys stored on the GAT Passkey Management Card are transferred to the device and authorised for use from this point onwards (24 hours/7 days). A specific validity period cannot be defined.

3.1. Passkey programming process

1. Hold the programming data carrier next to the reading field.
-> The LED flashes red and green alternately.
2. While in this mode, hold the GAT Passkey Management Card next to the reading field.
-> The LED flashes green once.
-> The passkeys are transferred to the device and the device returns to the previous mode of operation.

Note: When the GAT Passkey Management Card without the programming card is read by a device, a green LED indicates that the passkeys are stored in the device. A red LED indicates that there is a difference between the GAT Passkey Management Card data and the data stored in the device.

4) Changing Passkeys in a Device

To change the passkeys stored in a device, e.g., if a passkey is lost, a new GAT Passkey Management Card together with the programming data carrier must be read by the device. This is the same process as described in section 3.1. The data of the new GAT Passkey Management Card overwrites the previously stored data.

It is not possible to use several different GAT Passkey Management Cards on one device, e.g., to transfer the data of all GAT Passkey Management Cards to one device!

5) Loss of a GAT Passkey Management Card

If a GAT Passkey Management Card is lost, the security risk is minimal as the card can only be used to program passkeys into locks in combination with the programming data carrier.



Nevertheless, special care must be taken with the GAT Passkey Management Card. Keep the data carrier in a secure place, protected from unauthorized access.

If the authorizations of one or more passkeys need to be cancelled, it is necessary to send the existing GAT Passkey Management Card and to inform GANTNER of the passkeys to be cancelled.