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Electronic touchscreen RFID/ keypad lock (TwinPad)
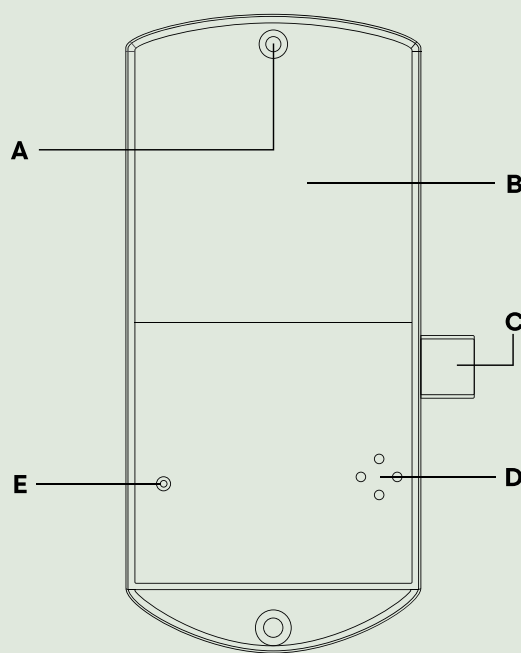
User manual

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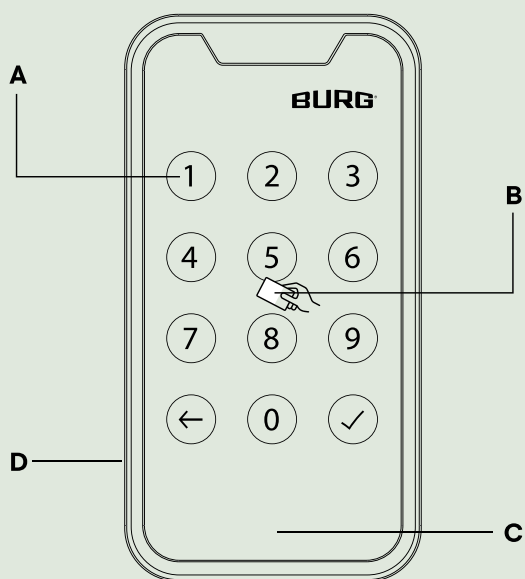
Touchpad

A Touchpad buttons   **C** Status LED

B RFID antenna   **D** Mini-USB port

Back unit

A Battery cover screw   **D** Beeper

B Battery cover   **E** Resethole

C Locking bolt

Technical data

Dimension	Touchpad: 107 x 56 x 13 mm
	Back unit: 140 x 65 x 25 mm
Batteries	VARTA1 AA (4x)
Locking cycles	Approx 10,000
Working temperature	-25° C to 55° C
Working humidity	10% to 85% RH
Storage temperature	-40° C to 55° C
Static current	<30uA
Dynamic current	<120mA
Material	Touchpad: plastic
	Touchpad frame: metal
	Back unit housing: plastic
Locking direction	Right, Left
Mode	Private Mode (default)
	Multi User Mode
RFID type	MIFARE® Classic,
	MIFARE® Desire Evo II
Card inductive distance	5 to 10 mm
Master cards	Max. 3
User Cards	Max. 27
No. of codes (private mode)	Max. 1
Code/ Master code length	4 to 8 digits

Default Settings

Mode	Private Mode
Code	1234
Master Code	934716
Signal tones	LOUD

The TwinPad electronic furniture lock offers you the option of using the lock with code entry as well as with an RFID solution (card). Due to the versatile application possibilities, the locking system is used in hotels, fitness studios, educational institutions, offices and workshops, among others. Thanks to the flexible installation options, the lock can be installed in both wooden and metal cabinets.

Before ordering

Modes of Locks

Shared use mode (default):

· Allows to use lockers temporarily for short term use.
· The locker doors remain open until a user activates it with a code or card.
· This lock will recognize any user code/card, no assignment is required. User information will be deleted from the lock after the doors in unlocked.

Personal use mode:

· Suitable for user groups where permanent storage is preferred for longer periods of time.
· Only pre-assigned users can activate the lock with their code or card. All other unassigned users are rejected by the lock.
· All assigned lockers are closed until the assigned user requires storage and opens the lock.

Types of cards and codes:

All RFID cards arrive "empty". Regardless of the cards colour each card can be programmed to be used as the following:

User card – is used to operate the lock. Extra card can be ordered optionally. It's possible to use your own card, the RFID type should be - MIFARE® Classic. 1 card per each lock is always included in the package.

User code – can be used to operate the lock. The user chooses a code of choice (4 or 8 digits).

Master card – Is used in emergency cases to open the lock independently in any set mode. Can also terminate the block mode. Once the master key is used, lock remains in open state until a new user card is presented. Recommended 2-3 pcs. per office. If the lockers are located on separate floors, buildings, offices, etc., it is recommended to assign a separate set of Master cards (2 or 3 cards) to each of location.

Master Code – has the same functionality as a Master card. Default Master code – 934 716. After entering the Master code in Shared use mode, the users' credentials are deleted from the lock's memory. In Personal mode, you can use the master code to reset the user code to default setting – 1234.

Lock setup

Step 1.

· Assemble the lock and the battery. Use assembly instructions.

Step 2.

· Choose the use mode: **Personal or Shared.**
· All locks arrive in pre-set as Shared use mode.
No additional programming is required. Skip to Step 3.

Switching from Shared to Personal Use.

1. Open the battery compartment and remove one battery.
2. Slightly press the reset pin into the reset hole and keep it pressed. Reinsert the battery.
3. When you hear one beep and the locking bolt moves out, release the pin.
4. Lock is in Personal Use mode.
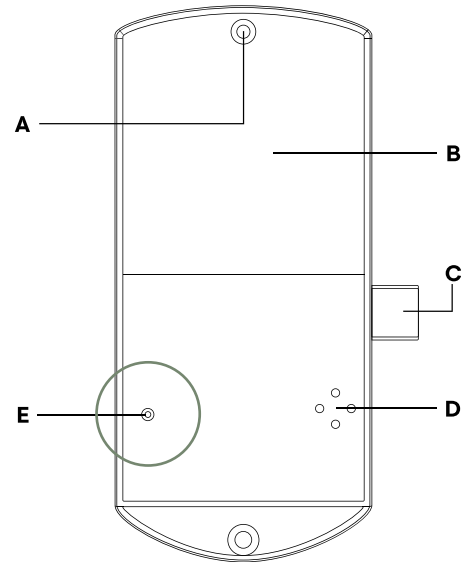
Step 3

Set Master Code (both Personal mode and Shared mode).

· Enter **default** master code: 934 716 and then press →, confirmation by a longer beep and flashing of LED.
· Enter **new** master code: xxxx (4 to 8 digits) and then press ✓, confirmation by a longer beep.

Note: You can only store one Master Code. When a new Master code is stored, the active Master Code will be overwritten.

Set User Code (Only Personal mode)

· Enter **current** User code and then press → , confirmation by a longer beep and flashing of LED,
· Enter **new** user code: xxxx (4 to 8 digits) and then press ✓, confirmation by a longer beep.

Note: You can only store one user code. When a new user code is stored, the active user code will be overwritten.

Assign Master cards (Both Personal and Shared use)

Enter a current master code and then press →, confirmation by a longer beep and flashing of LED:

1. Hold Master Card in front of the lock. A long beep confirms the successful registration.
2. Continue if you want to add more Master Cards (up to 3).
3. If finished wait until the LED stops flashing.

Note: Mark each Master card for later recognition (e.g. permanent marker).

Assign User Cards (For Personal use mode only)

1. Hold Master Card in front of the lock. Wait for the beep and LED to light up.
2. Hold the Master Card in front of the lock again until the LED starts flashing.
3. Hold User Card in front of the lock. A beep confirms the successful registration.
4. Continue if you want to add more User Cards (up to 27 for the same lock).
5. If finished wait until the LED stops flashing.

Operating the locks

Shared use mode (all free lockers are unlocked, until user requires storage)

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Lock with code: Enter User code + ✓

Unlock with code: Enter User code + ✓

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Lock with card: Hold user card in front of the lock

Unlock with card: Hold user card in front of the lock

!   Both processes are confirmed by a longer single beep.

Note: The lock signals a wrong user code entry with 3 beeps.

Personal use mode (all assigned lockers are locked until user requires access)

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Unlock with code: Enter assigned User code + ✓

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Unlock with card: Hold assigned user card or master card in front of the lock.

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Lock: The lock activates automatically and locks after 5 seconds. Door can be closed even when lock is active.

!

Both processes are confirmed by a longer single beep.

Note: The lock signals a wrong user code entry with 3 beeps.

Beeps/ Indications

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3 signal tones

Cause: Unauthorized card or wrong user code presented. (Personal /Shared Mode)

Each wrong code/card entry is signalled with 3 beeps. After 4 consecutive incorrect entries, the lock goes into block mode for 60 seconds. During this period no action is possible on the lock. After the period has passed card or code can be presented again.

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Green LED flashing at regular intervals

Cause: The locker is occupied, lock is active.

When lock is active and locker is occupied, a green LED flashes at regular intervals.

Troubleshooting

Troubleshooting step by step scenarios:

Scenario 1 – Cannot lock a new vacant locker (in Shared use more).

Possible causes:

• ————————————

Card/code has been already used to lock another locker (Occupied Identification)

Solution:

· First unlock a previously locked locker, you will now be able to activate a new lock.

• ————————————

Check for battery limit.

If the battery voltage falls below a certain level, a short signal tone sounds during operation. If the voltage falls into the critical range, three beeps sound and the lock can no longer be operated.

Solution:

· check and change the batteries and try again.

Scenario 2 – Cannot unlock my locker (both Personal and Shared use mode).

Possible causes:

• ————————————

Wrong not assigned user card.

Solution:

· Double check if you are at the correct locker. Open with master code if needed to check.

• ————————————

Check for battery limit.

If the battery voltage falls below a certain level, a short signal tone sounds during operation. If the voltage falls into the critical range, three beeps sound and the lock can no longer be operated.

Solution:

· check and change the batteries and try again.

Frequently asked questions

Master card does not operate or is lost.

Use Master code to open the locker if needed. Assign a new Master card. Always have empty cards available on location.

Forgotten Master code.

Reset the lock to factory settings:

1. Slightly press the reset pin into the reset hole.
2. A long beep confirms the successful process.

Note: The lock remains in the set mode. All settings will be reset to the default settings of the active mode. All user cards and Master Cards will be deleted. The code and Master code will be changed to default setting.

Lost or stollen user card.

· Use Master card to open the lock if needed. For security purposes previous card credentials will be deleted from the lock's memory.
· In Shared use mode – get a new user card and use any locker that is free.
· In Personal use mode - a new user card will have to be assigned first to the locker you prefer.

Forgotten user code.

· In Shared mode – use a master code, to open the locker. Previous code is deleted and a new code can be used to lock the locker.
· In Personal mode use master code to reset the user code to the default setting :1234. Set a new preferred user code for a private locker.

How to delete user cards from locks memory?

In Shared use mode, each time the lock is open, the user card is deleted from the lock's memory.

Delete User Card (Personal mode):

1. Hold Master Card centrally in front of the lock. Wait for the beep and the LED to light up.
2. Hold Master Card centrally in front of the lock again, until the LED starts flashing.
3. Hold the Master Card a third time in front of the lock and the LED will flash quickly.
4. Hold the user card you want to delete in front of the lock. A long beep confirms the successful deletion.
5. Continue if you want to delete more user cards.
6. If finished wait until the LED stops flashing.

Note: To test if the user card was successfully deleted, hold the user card centrally in front of the lock. Three short beeps indicate that the card is not added.

Battery at critical limit.

· If the batteries do not have enough voltage, an external power supply can be connected via the micro USB port.
· For this, the touchpad has to be connected to a power supply, notebook or power bank via micro USB cable. The lock can then be operated again.

Note: We recommend to replace the batteries immediately.

Battery replacement.

If the lock indicates a low battery level, the battery should be changed immediately.

Note: The lock is approved for VARTA brand batteries. The use of other batteries may result in a reduced number of possible locking cycles.

1. Loosen the screw of the battery compartment cover and remove the cover.
2. Remove empty batteries and insert new batteries according to the symbols (+ / -).
3. Close the battery compartment with the cover and fix it with the screw.

Back unit

A Battery cover screw

B Battery cover

C Locking bolt

D Beeper

E Resethole
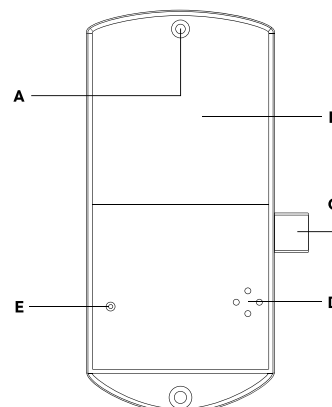
How to change back from Personal use mode to Shared mode. ?

Switching from Personal to Shared Use:

1. Open the battery compartment and remove one battery.
2. Slightly press the reset pin into the reset hole and keep it pressed. Reinsert the battery.
3. When you hear two beep and the locking bolt moves in, release the pin.
4. Lock is in Shared Use mode.