

TownSteel e- Secure 5000 BLE Series Programming Guide



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GENERAL LOCK INFORMATION FOR THE BLUETOOTH FUNCTION

The 5000 Series BLE lock is a versatile lock- it can be operated by a 6-10 digit PIN code, RFID card/FOB or through your smart phone APP via Bluetooth Low Energy (BLE).

The APP is called TSE Home- it is available for Android and IOS.

The lock is operable without the APP (can use PIN codes and RFID credentials), the APP provides access to the BLE features.

Pairing with the smart phone: Only 1 smart phone can be the administrator (paired with the lock), multiple smart phones can be added as users. If someone else has paired with the lock and they wish to turn it over to another administrator they can unbind the lock through their APP or you can reset the lock (see- Reset Lock to Factory Default Settings).

APP- download the TSE Home APP. Create a login- with your phone number or email account.

Once you have logged in successfully and are registered you can use the APP to operate your smart lock.

Add a lock- click on the upper left on the APP to access the menu. Click on "Add Network Connected Device"> "Bluetooth Lock"- the screen will come up to "Add Bluetooth Lock"- press the reset button on the back of the battery tray (see page 9)- click "Search Bluetooth Device"- wait until the icon is flashing- click on the icon- lock will pair with your smart phone- name the device in your APP and click "Completed". The APP will go back to the home screen.

Change your Master Code (see page 5) to avoid any unauthorized entry or operation of the lock.

You can now unlock the lock, when in Bluetooth range, using the APP.

See the APP for additional features of adding additional Users, codes, etc.

Definitions

- **Credential:** The lock requires a valid credential to operate. A credential can be a 6-10 digit Master Code, User Code, or Keycard/Fob.
- **LED Indicator:** The LED indicators are located around the keypad of the lock. Lock flashes **green** LED and/or **red** LED dependent on inputs. While unlocking, a **red** LED followed by a **green** LED means the lock is not programmed and can be unlocked with any 6-10 digit code or Keycard/Fobs.
- **Master Code:** The Master Code programs all User Codes, Keycards/Fobs (Credentials), and System Settings. The Factory Default Setting's Master Code is 123456. This must be changed before programming the lock. Each lock has one Master Code. Master Code cannot be deleted.
- **User Code:** User Codes are used to operate the lock. User Codes are programmed by the Master Code. The lock can have a maximum of 400 User Codes (interchangeable with Keycards/Fobs).
- **User Keycard/Fob:** Keycards or Fobs can be used to operate the lock. Master Code is used to program User Keycards/Fobs. Swipe the touch keypad with a Keycard/Fob to operate the lock. The lock can have a maximum of 400 Keycards/Fobs (interchangeable with User Codes). Any standard Keycard/Fob can be programmed into the lock.
- **Passage Mode:** When a passage credential is entered the lock will remain actively unlocked until the Master Code or the Passage Credential is re-entered.
- **Dual Verification Mode:** Two valid credentials are needed to unlock the door.
- **Sound:** Keypad sound is enabled by Factory Default Settings. Disabling the sound only affects general operation, not during programming of the lock. During programming, lock will temporarily re-enable sound.

Factory Default Settings

Master Code: 123456

YW1949

3

Penalty Time: 1 minute 30 seconds after 5 invalid entries

Passage Mode: Disabled

Dual Verification Mode: Disabled

Sound: Enabled

Important Notes

- To wake up the touch keypad, gently swipe or tap the keypad.
- While in Factory Default Settings any credential will open the lock until a Master Code is programmed into the lock. When any credential is presented the lock will flash **red**, then **green**, and unlock.
- The Factory Default Setting's Master Code must be changed before programming any other codes or system settings.
- A Master Code or User Code can be 6-10 digits (they do not need to be the same code length).
- To open the lock using a valid credential – enter a User Code or Master Code followed by pound (#) or swipe a Keycard/Fob. This will be followed by a **green** LED and the lock will open for 5 seconds before automatically re-locking.
- Pressing asterisk (*) will cancel any on-going code input or programming sequence. Pressing asterisk (*) two times will set the lock on idle.
- Pressing asterisk (*) followed by pound (#) and entering the Master Code initializes programming.
- During programming, allow for the lock's sounds to end before pressing any keys to make sure the system recognizes the programming sequence.
- During programming, the **green** LED indicates success and the **red** LED indicates failure.
- Outside of programming, the **green** LED indicates unlocked and the **red** LED indicates locked.
- To prevent unauthorized entry, the lockout feature is activated for 1 minute 30 seconds after 5 invalid entries. During lockout, no credential will be accepted. Penalty time is 1 minute and 30 seconds, and the **red** LED and alarm will operate repeatedly for the duration of the penalty.
- This lock features anti-pry cryptographic functions. Users can add random digits before and/or after a valid code. Enter a valid code in the following method: "XXX – CODE - XXX" (15 random digits are the limit), followed by pound (#).
- Replacing batteries does not change existing settings.

The symbols  and  are used in this programming guide to represent the audio and visual cues the lock uses to show successful progression during the programming process.

Disclaimer: The codes used in the following examples are not recommended for actual valid codes - accepted protocol should be followed for secure codes - repeated strings of numbers are not secure.

Change Master Code

Key Sequence



For example, to change Master Code to “555555”, press:



Notes

- Factory Default Setting's Master Code is 123456. It must be changed with the user's own Master Code immediately.
- Manufacturer assumes no liability, direct or indirect, due to failure to change Master Code.
- No other programming will be accepted until Factory Default Setting's Master Code has been changed.
- Master Code can be changed at any time. Changing the Master Code does not affect other lock settings.
- A lock has only one Master Code. Multiple locks can have the same Master Code.

Add Credentials

Add a User Code

Key Sequence



For example, to add User Code of “202020”, press:



Add Multiple User Codes

Key Sequence

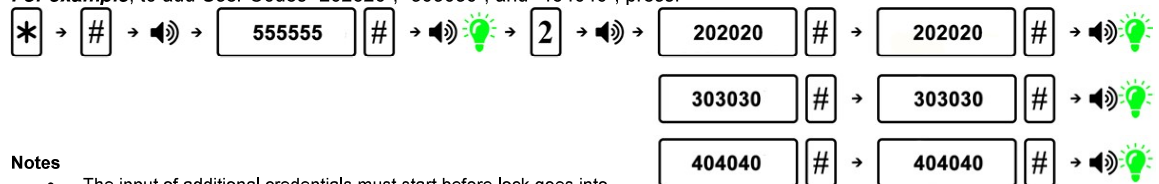
1st User Code Key Sequence



Additional User Codes Key Sequence:



For example, to add User Codes “202020”, “303030”, and “404040”, press:



Notes

- The input of additional credentials must start before lock goes into Idle Mode (12 seconds). If the lock goes into Idle Mode, start the key sequence from the beginning.
- Same User Code cannot be added twice.
- To exit, press asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

Add Keycard or Key Fob

Key Sequence



Notes

- Keycards/Fobs can be added interchangeably with User Codes.
- Multiple Keycards/Fobs can be added during the same programming sequence (like Additional User Codes Key Sequence).
- Same Keycard/Fob cannot be programmed twice.
- To exit, press asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

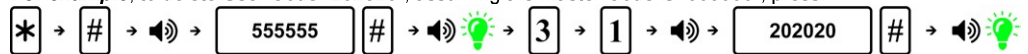
Delete Credentials

Delete User Codes

Key Sequence



For example, to delete User Code “202020”, assuming the Master Code is “555555”, press:



Delete User Key Cards

Key Sequence



Notes

- The Master Code cannot be deleted.
- Multiple Keycards/Fobs can be deleted during the same programming sequence (like Additional User Codes Key Sequence).
- To exit, press the asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

Reset Lock to Factory Default Settings

Key Sequence



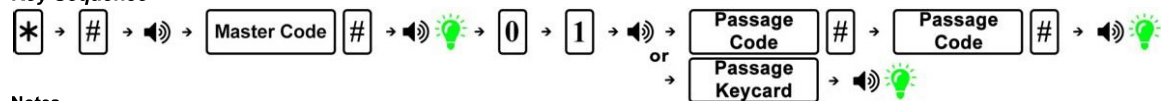
Notes

- All credentials will be deleted, and the lock will reset to Factory Default Settings.

System Settings

Passage Mode

Key Sequence



Notes

- After creating a Passage Code or keycard, presenting it will activate the Passage Mode function.
- The lock will remain actively unlocked until the Passage Code or keycard or Master Code is entered to disable the function.
- Passage Mode and Dual Verification Mode cannot be programmed simultaneously.
- Passage code can be 6-10 digits.

Dual Verification Mode

Key Sequence



Notes

- Dual Verification Mode, when enabled, requires 2 valid credentials to operate the lock.
- A credential can be a Master Code, User Code, or Keycard/Fob.

- The Factory Default Setting is set to one credential.
- Dual Verification Mode and Passage Mode cannot be programmed simultaneously.

Adjust Keypad Sound

Key Sequence



Notes

- Disabling the sound only affects general operation, not during programming of the lock.
- During programming mode, lock will temporarily re-enable sound.

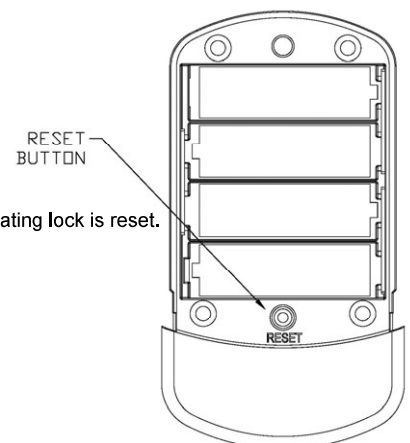
Reset Lock to Factory Default Settings without a Master Code

Steps

1. Unscrew the back cover.
2. Locate the reset button on the battery holder.
3. Press and hold the reset button. After approximately 4 seconds, the lock will beep 2 times and you can release the reset button.
4. The **green** LED indicator will light up and it will beep 1 time indicating lock is reset.

Result

Lock is reset to Factory Default Settings.
All codes are deleted and Master Code changes to 123456.



Low Battery Warning

When the battery voltage is low, unlocking the lock will display a green LED with an alarm followed by a red LED, then followed by a yellow LED with an alarm to indicate low power. Batteries should be changed as soon as this happens.



When locking under low battery voltage condition, the lock will only use the warning sound to indicate low power. Only 200 operations are allowed under low battery condition - must change batteries to ensure lock operates properly.



CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- o Reorient or relocate the receiving antenna.
 - o Increase the separation between the equipment and receiver.
 - o Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - o Consult the dealer or an experienced radio/TV technician for help.
- Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Visit **www.TownSteel.com** for more.

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