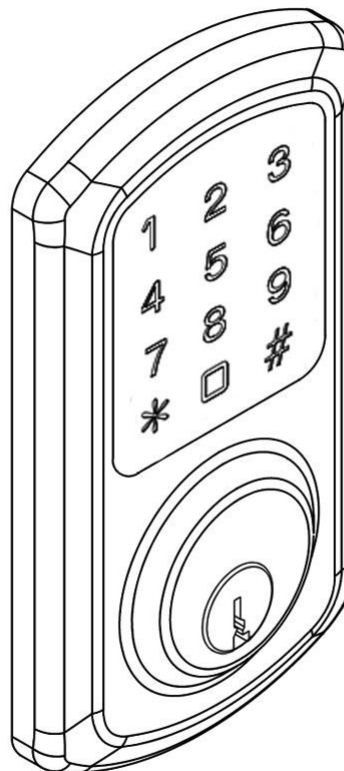


TownSteel e-Smart 4000 Series Programming Guide

TS Smart Deadbolt
e-Smart 5000-BLE



Index

Bluetooth Information	2
Definitions	4
Factory Default Settings	5
Handing Information	5
Important Notes	6
Change Master Code	7
Add Credentials	7
Add a User Code	
Add Multiple User Codes	
Add User Keycards	
Delete Credentials.....	9
Delete User Code	
Delete User Keycard	
Reset to Factory Default Settings	
System Settings.....	10
Dual Verification	
Sound	
Reset to Factory Default Settings w/o Master Code	10
Low Battery	11

GENERAL LOCK INFORMATION FOR THE BLUETOOTH FUNCTION

APP TS Home

Bluetooth smart lock introduction

2019/04/30

TS Home APP can be used as Admin to manage the door locks and management tasks.

APP functionality

- Unlocking
- Manage clients
- Management unlock key
- Query unlock records
- Authorize other users to unlock and query unlock records

Operations

1. Download TS Home APP

Search from Apple APP Store or Google Play, download TS Home APP and install:



TS Home

2. Activate TS Home account

Register as a TS Home user by phone or email address

3. Add a lock

Add a networked device→Bluetooth Door Lock→Press the reset button→Pair with your smart phone→Name the device→Completed.

4. Add a key

User→Key management→Add key→Password key→Enter new password→Completed

5. Add keycard/Fob

User→Key management→Add key→Keycard→Swipe the touchpad with keycard/Fob to operate the lock→Completed

6. Add a temporary key

User→Key management→Temporary authorization→Add temporary authorization→Temporary password→Enter user name and expiration date→Send→Completed

7. Authorize other users to lock and query unlock records

Authorize user : More→QR code→Authorization→select authorization type→Permission settings→Completed

Authorized party: Scan QR code→Apply→Completed

8. Unlocking

Click unlock button→Unlocking

9. Modify door lock settings

More→Door lock settings→Open door voice command/combination unlock→ON/OFF

10. Query unlock records

More→Local unlock records→Click to load

11. Bluetooth firmware update

More→Bluetooth firmware update→Found new firmware

12. Unbind the device

More→Unbind device

Definitions

- ☐ **Credential:** The lock requires a valid credential to operate. A credential can be a 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 Settings 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 447 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 447 Keycards/Fobs (interchangeable with User Codes). Any standard Keycard/Fob can be programmed into the lock.
- ☐ **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 mode, lock will temporarily re-enable sound.

Factory Default Settings

Master Code: 123456

Penalty Time: 1 minute 30 seconds after 5 invalid entries

Dual Verification Mode: Disabled

Sound: Enabled

Handing Information - IMPORTANT

Handing must be set before programming lockset. It will not allow you to program lockset until handing is set.

Steps

1. Confirm lockset is in locked position, meaning deadbolt is extended.
2. Confirm handing indicator on battery tray is in correct position – RH (Right Hand) or LH (Left Hand).
3. Confirm lock spindle is in correct position – Horizontal Position for RH or Vertical Position for LH.
4. Wake up keypad by swiping or tapping surface, and press “0” key followed by “#” key.

After pressing “0” then “#”, deadbolt will retract then extend again. This means lockset handing is set.

If handing does not set, see Steps 1-3, then see **Reset Lock without Master Code** on page 9. Finally, see Step 4.

Important Notes

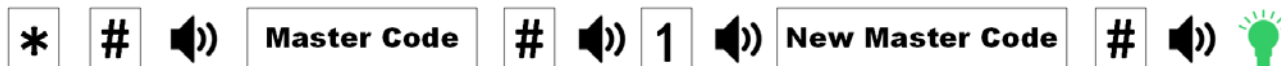
- ☐ To wake up the touch keypad from idle mode, gently swipe or tap the keypad.
- ☐ While in Factory Default Settings, the lock will flash **red** and then **green**. Any credential will open the lock until a Master Code is programmed into the lock.
 - The Factory Default Setting's Master Code must be changed before programming any other codes or system settings.
- ☐ The Master Code cannot be deleted.
- ☐ A Master Code or User Codes can be 6-10 digits (they do not need to be the same code length).
- ☐ Same credential, code or keycard, cannot be programmed twice in a lock.
 - 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 opened.
- Pressing the Asterisk (*) key will cancel any on-going code input or programming sequence. Pressing Asterisk (*) two times will set the lock on idle.
- Pressing the Asterisk (*) key followed by Pound (#) and entering the Master Code opens 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 and 30 seconds after 5 invalid credential inputs have been inputted. 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: "XXXXCODEXXX(15 digits are the limit)" followed by (#).
- ☐ 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.

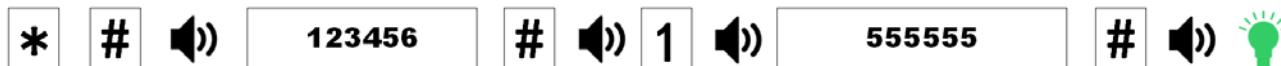
Disclaimer: The codes used in the following examples are not recommended for actual valid codes - accepted protocol should be followed for secure codes - repeated strings of numbers are not secure.

Change Master Code

Key Sequence



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



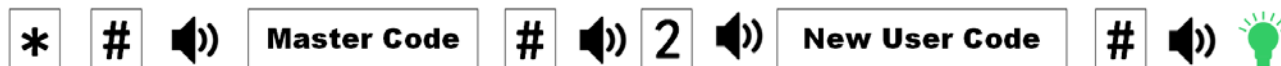
Notes

- 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.

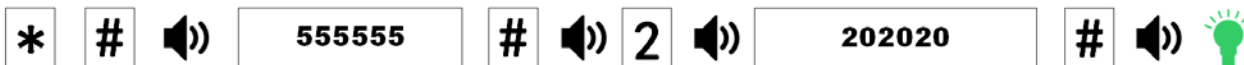
Add Credentials

Add a User Code

Key Sequence



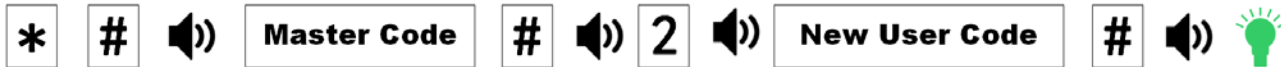
For example, to add User Code of “202020”, press:



Add Multiple User Codes

Key Sequence

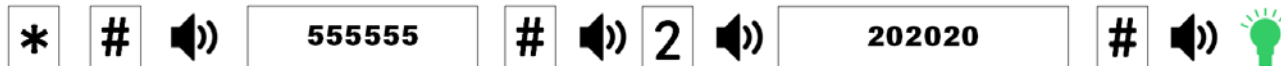
1st User Code Key Sequence



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.
- To exit, press asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

Add Keycard or Key Fob

Key Sequence



For example, the Master Code in sequence above is 555555.

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).
- To exit, press asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

Delete Credentials

Delete User Codes

Key Sequence

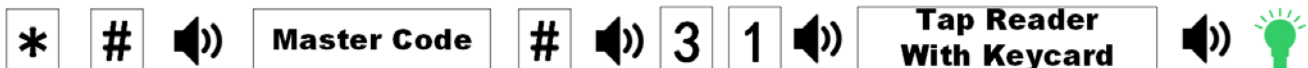


For example, to delete User Code “202020”, assuming the Master Code is “555555”, press:



Delete User Key Cards

Key Sequence



Notes

- ☐ Multiple Keycards/Fobs can be deleted during the same programming sequence (like Additional User Codes Key Sequence).
- To exit, press asterisk (*) or wait until the lock goes into Idle Mode (12 seconds).

Reset Lock to Factory Default Settings

Key Sequence



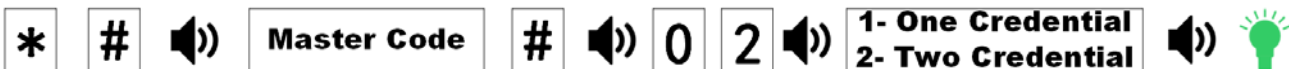
Notes

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

System Settings

Dual Verification Mode

Key Sequence

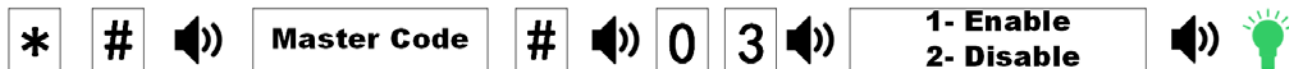


Notes

- ☐ Dual Verification Mode, when enabled, requires 2 valid credentials to operate the lock.
- ☐ A credential can be a Master Code, User Codes, or Keycards/Fobs.
- ☐ The Factory Default Setting is set to one credential.

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.

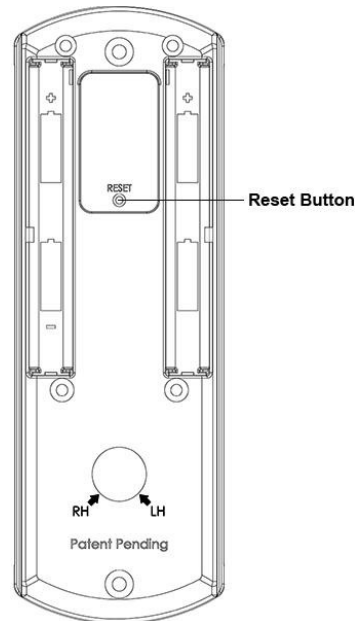
Reset Lock to Factory Default Settings without a Master Code

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.*

17901 Railroad Street
City of Industry, CA 91748
Toll Free: 877-858-0888
Fax: 626-965-8919