

# 5000 Series

## Program Guide

TS Smart Interconnect Lock  
e-Genius 5000-RF-40



**TS** **TownSteel**<sup>®</sup>  
Architectural Hardware MFG

# Index

Definition . . . . .	03
Factory Default Settings . . . . .	03
Important Notes . . . . .	04
Change Master Code . . . . .	05
Add Credential . . . . .	05-06
Add a User Code	
Add Multiple User Codes	
Add User Keycards	
Delete Code . . . . .	07
Delete User Code	
Reset to factory default settings with Master Code	
System Settings . . . . .	08
Passage Mode	
Verification Mode	
Adjust Sound	
Reset to Factory Default Settings . . . . .	09
Low Battery Warning . . . . .	09

## Definition:

**Credential:** The Lock requires a valid credential in order to operate. A credential can be a Master Code, User Code, Keycard or Fob.

**Code Length:** The length of Master Code and User Codes are 6-10 digits (Master and User codes do not have to be the same length).

**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.

**Master Code:** The Master Code programs all User Codes and Keycards (Credentials). 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 397 User Codes.

**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 the Keycard/Fob to operate the lock. The lock can have a maximum of 397 Keycards/Fobs. Any standard MIFARE Keycard can be programmed into the lock.

**Penalty Time (Anti-Tamper Lockout):** To prevent unauthorized entry, the lockout feature is activated for 1 minute after 7 invalid credential inputs have been reached. During lockout, no code or Keycard will be accepted. Penalty time is 1 minute and the red LED and buzzer will operate repeatedly for the duration of the penalty.

**Sound Indicator:** The lock uses sound during programming sequences and code inputs. Factory default setting has sound on.

## Factory Default Settings

**Master Code:** 123456

**Penalty Time:** 1 minute after 7 invalid code inputs

**Sound Indicator Level:** On

**Passage Mode:** Disabled

**Dual Credential:** Disabled

## Important Notes:

The factory default settings Master Code must be changed before programming any other codes.

In order to wake up the Touch Keypad from idle mode, gently swipe or tap the Keypad.

To open the lock using a valid credential- A user code or master code must be followed by # or swipe Keycard/Fob- this will be followed by a green LED and the lock will open for 5 seconds before automatically locking.

Pressing the Asterisk (\*) key will cancel any on-going program sequence or code input and pressing the Asterisk (\*) twice will set the system idle.

Pressing Asterisk (\*) key followed by Pound (#) key starts programming.

Replacing batteries does not change existing settings.

During programming, green LED indicates success and the red LED indicates failure.

Outside of programming green LED indicates unlocked and Red LED indicates locked. While in factory default settings lock will flash red and then green. Any credential (6-10 digit code, Keycard and Fob) will work while in factory default settings.

During Programming, allow for the lock's sounds to end before pressing any keys. Otherwise, the system won't recognize the keys that were pressed.

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

This electronic lock features anti-pry cryptographic functions. General users can add random numbers before and/or after the valid code. Enter the codes in the following method: "XXXCODEXXX" (no limit on the input length) followed by #.

**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 – Program 1

### Key Sequence:



**For example,** to change Master Code to "555555", press:



**Notes:** The factory default settings Master Code is 123456. It must be changed with the user's own Master Code immediately. Manufacture assumes no liability, direct or indirect, due to failure to do so.

No other programming commands will be accepted until factory default settings Master Code has been changed.

Master Code can be changed at any time, changing the Master Code does not affect other lock settings.

Length of Master Code can be 6 to 10 digits long. Master Code should not be deleted.

A lock has only one Master Code. Multiple locks can have the same Master Code.

## Add Credentials

### Add a User Code – Program 2

### Key Sequence:



**For example,** to add User Code of "202020", Press:



## Add Multiple User Codes – Program 2

### Key Sequence

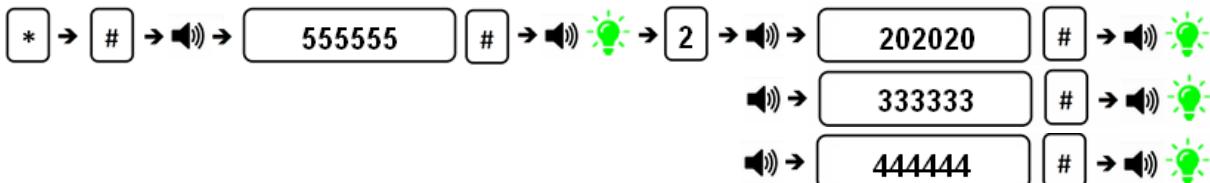
#### 1<sup>st</sup> User Code Key Sequence



#### Additional User Codes Key Sequence:



**For example**, to add User Codes “202020”, “333333” and “444444”, Press:



**Notes:** The Input of additional User Codes must start before lock goes into Idle Mode (12 Seconds) otherwise start the process from the beginning.

Pressing asterisk (\*) key cancels ongoing programming. Same User Code cannot be added twice.

## Add Keycard or Key Fob – Program 2

### Key Sequence



**Notes:** Keycards/Fobs can be added interchangeably with User Codes since they use the same programming code.

Multiple Keycards/Fobs can be added during the same programming sequence.

The input of additional Keycard(s)/Fob(s) must start before lock goes into Idle Mode (12 Seconds) otherwise start process from beginning. Same Keycard/Fob cannot be programmed twice.

## Delete Code

### Delete User Codes – Program 3

#### Key Sequence



**For example**, to delete User Code “222222”, assuming the Master Code is “555555”, Press:



### Delete User Key Cards



**Notes:** The Master Code cannot be deleted.

In order to exit this program mode press asterisk (\*) or wait until the lock goes into idle (12 Seconds)

### Reset Lock to factory default settings – Program 3

#### Key Sequence



**Notes:** All credentials will be deleted and the lock will revert to factory default settings.

# System Settings

## Passage Mode – Program 0

### Key Sequence



**Notes:** After creating a Passage Code, entering it will activate the passage function. The lock will remain actively unlocked until the Passage Code or Master Code is entered to deactivate the function.

Passage Mode and Dual Verification Mode cannot be used simultaneously.

## Dual Verification Mode – Program 0

### 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 settings is set to one credential. Passage Mode and Dual Verification Mode cannot be used simultaneously.

## Adjust Keypad Sound – Program 0

Enable or Disable Keypad Sound

### Key Sequence



**Note:** Disabling Touch Keypad sounds doesn't affect sounds during the programming of the lock, only the sounds during general operation.

## Revert to Factory Default Settings w/o Master code

Steps required to revert lock to factory default settings:

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, release the reset button. The green LED indicator will light up and it will beep once indicating lock is reset.



**Result:** Lock is reverted 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 activate a sound indicator as well as a yellow LED followed by a red LED 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.



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