



PASSTECH SL600E RF and Keypad Integrated Slim Locker Lock User Guide

[Home](#) » [Passtech](#) » PASSTECH SL600E RF and Keypad Integrated Slim Locker Lock User Guide 

Contents

- 1 PASSTECH SL600E RF and Keypad Integrated Slim Locker Lock
- 2 Understanding SL600 / SL600E LOCKER LOCK
- 3 Lock Operation
 - 3.1 Free Selection Mode
- 4 System Card & User Card Operation
 - 4.1 User Card
- 5 Specification
- 6 Documents / Resources
 - 6.1 References
- 7 Related Posts



PASSTECH SL600E RF and Keypad Integrated Slim Locker Lock



Copyright

2021 Passtech Co., Ltd . All rights reserved. You are strictly prohibited to copy, disclose, distribute, or use this document in part or as a whole for any purposes other than those for which this document is disclosed. This document is copyrighted and contains confidential information and other intellectual property rights of Passtech Inc. Any unauthorized use, copy, disclosure or distribution constitute constitutes infringement of Passtech 's intellectual property rights.

Passtech Co., Ltd . reserves the right to make changes to its applications or services or to discontinue any application or service at any time without notice. Passtestech provides customer assistance in various technical areas but does not have full access to data concerning the use and applications of customers' products. Therefore, Passtech assumes no liability and is not responsible for customer application so or software design or performance relating to systems or applications incorporating Passtech products. In addition, Passtech assumes no liability and is not responsible for the infringement of patents and/or any other intellectual or industrial property rights of third parties, which may result from assistance provided by PasstechPasstech.

The composition of the information in this manual has been done to the best of our knowledge. Pass tech does not guarantee the correctness and completeness of the details given in this manual and may not be held liable for damages ensuing from incorrect or incomplete information. Since, despite all our efforts, errors may not be completely avoided, we are always grateful for your useful tips We have our development center in South Kore at to provide technical support. For any technical assistance can contact our technical support team as below;

E-mail: passtech@esmartlock.com


Understanding SL600 / SL600E LOCKER LOCK

What is SL600 / SL600E LOCKER LOCK LOCK?

- SL600 / SL600E LOCKER LOCK locker loc locks are the locker lock operated by either1 3,56 MHz RF Card Key.
- SL600 / SL600E LOCKER LOCK can work as both offline (stan standalone) or online mode.
- To set SL600 / SL600E LOCKER LOCK as online system, additional peripherals such as Access point, Se rver and client software are necessary.

Note: Refer Es mart Ultra client user manual for online lo ck system setup.

Features by model

FEATURES	SL600	SL600E
Photo		
Front		
Touch Key	11 KEY	–
RFID	Yes	Yes
Low battery indicator	Yes	Yes
e-Paper display	–	Yes
BLE	Yes	Yes
ZigBee	Yes	Yes
Ext. Power	USB	USB
Back		
Latch Type	Spring latch / Deadbolt	
Power supply	4 x AA (Alkaline battery)	
Battery Lifetime	18 months for wireless online lock	
	24 months for standalone lock	

Operating cards

Card Name	Description	Card type
-----------	-------------	-----------

Key card	<ul style="list-style-type: none"> • Security Key value to be loaded to locks at scanning. • Then, the locks will accept only the RFID cards which have the same security key value. 	Mifare 1 KB
Setup card	<ul style="list-style-type: none"> • Lock will be programmed with various options at scanning. • Setup card can be set from Lock Installation Software (LIS). 	
Master I card	<ul style="list-style-type: none"> • All locks will be open at scanning. • User card registration in the lock will be deleted and the lock will be ready to accept new user card. 	
Master II card	<ul style="list-style-type: none"> • Locks will be open or close without User card registration deletion. • Useful when user needs to open lock temporarily. 	
Owner card	<ul style="list-style-type: none"> • Master cards registration to be deleted at scanning this card on locks. • After Owner card scanning on lock, scan new master cards to register to the lock. 	
Maintenance card	<ul style="list-style-type: none"> • Lock to be programmed with various options at scanning as you set. • Time, Master cards registration, Master code, etc can be updated without changing lock ID. 	Mifare 4 KB
Audit trail card	<ul style="list-style-type: none"> • Latest 150 event history to be collected at scanning. • Card number, event type (open & close), time of event, user name, etc to be collected. 	
Lock info card	<ul style="list-style-type: none"> • Various information of lock can be collected into this card. • One Lock info card can collect information from up to 40 locks. • Lock ID, Operation mode, Battery status, software version, time, auto opening and more to be collected. 	

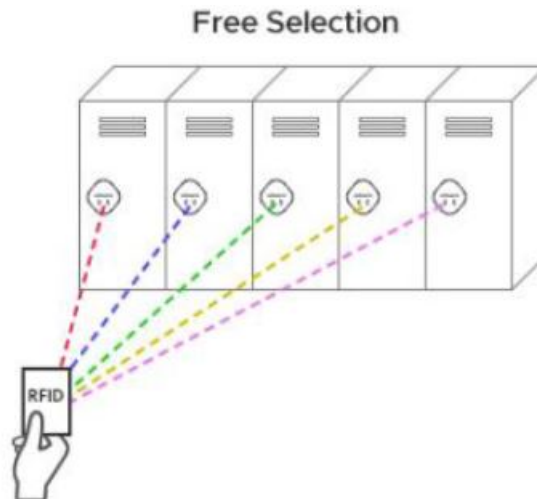
This Locker lock system can be used in Hotel, Office, and any other place except residential area.

Types of Lock Operating Scenario

SL600 / SL600E

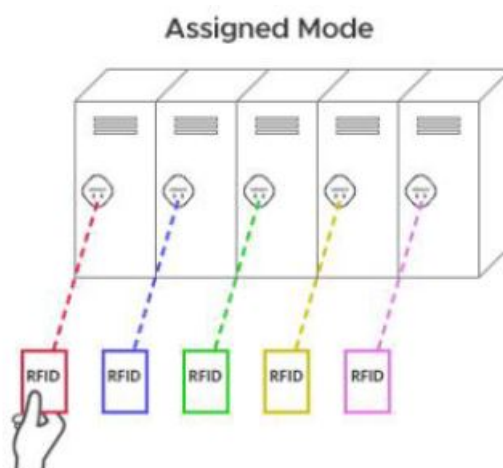
LOCKER LOCK locker locks are designed to work for the various operation requirements by simple setup process. Following operation modes can be programmed before or after lock installation.

Free Selection (Shared Use)



- User card is not assigned to any certain lock but User is free to select any empty locker to occupy.
- Programmable to make LED lamp blinked to represent locker is in use. (In Use lamp)
- Programmable to use multiple lockers (up to 5) with one User card. (Multi-lock)
- Programmable for Time based operation.

Assigned Mode (Permanent Use)



- Each locker is assigned to each User card in advance.
- Programmable to use multiple lockers (up to 5) with one User card. (Multi-lock)
- Also, programmable for multiple user cards (up to 8) to one locker. (Multi-user)

Smart Assign mode (Shared or permanent use)

- User can select any empty locker and the user is assigned to the chosen locker.
- Without the help of a administrator, user can freely change the assigned locker to any empty locker.
- Programmable to make LED lamp blinked to represent locker in use.
- Programmable to set specific time to release the assigned locker to empty locker after the changing the locker.

Lock Operation

RF tag uses

1. SL600 / SL600E LOCKER can be set with two different credential acceptance modes.
2. RF tag mode accepts RF tag
3. These mode modes can be set from Maintenance card (or setup card)

Assigned Mode

Open & Close by RF card key

1. RF card key can be used anytime. Touch the lock + Put User Card on the Lock.

Open & Close by smartphone

How it works

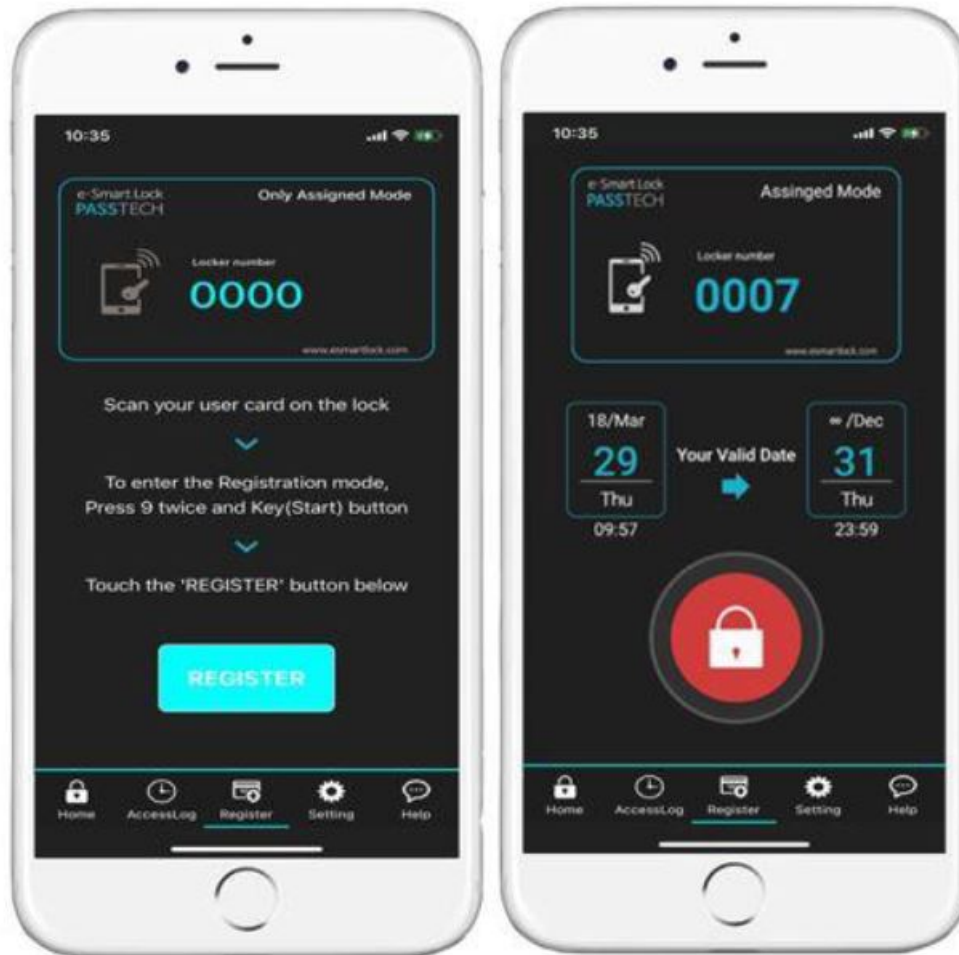
- Visitor receives RFID user card at the front desk and goes to the locker assigned to this card.
- Then downloads Passtech Mobile App from Google play store and installs it into his smartphone and then wakes up the lock with the user card and registers himself directly into the mobile App.
- From that time on, the lock can be operated through a smartphone.
- Mobile access key expires as soon as the user card is no more valid.
- Thus, the smartphone is fully synchronized with RF user card.

Setting up the lock and user card issue

Since BLE mobile access key is fully synchronized with RF user card, the first step is to set up the locker lock with set up card in Assigned mode and issue the user card and assign it to the locker. To do so, please refer to the Lock Management System User Guide.

Registration via Mobile App

Run the mobile App. If you are not registered yet, the registration page will show up right after you start the mobile application. Otherwise, go to Menu and press the "Registration" button for a new registration.



To reoblie App, follow the instructions that will appear on your mobile device screen. Register via the Following:

instructions are like

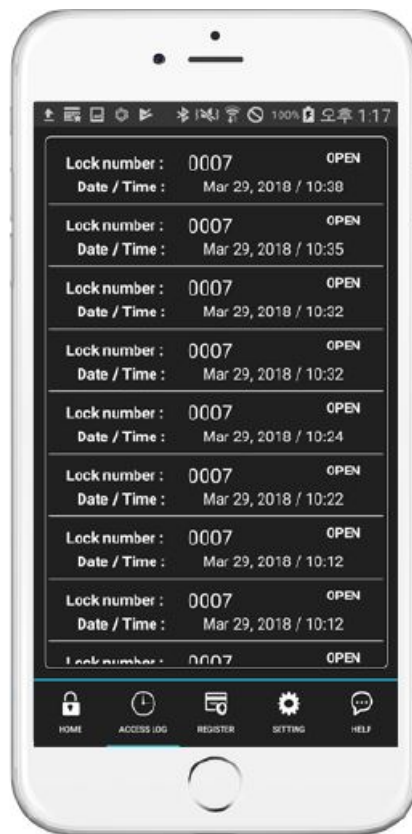
- your user card on the lock.
- To enter registration mode, touch the lock (the reration mode's ongist when the lock's LED is blinking).
- Touch the "Register" button below. Now, when registration is done, your mobile key in your smartphone is fully synchronised with the user card and ready to oper operate the lock. It means that the information f from the user card corres correspo nd s w ith that of the mobile key, including the validity period. Thus, information about the val valid date will automatically appear on the mobile device screen. The registration is a one-time process, so you don't need to do it more than once for one locker. To open the locker, press the Lock icon button your mobile device monitor.

Multi-user and multi locker

There are four operation scenarios for BLE mobile access locking so solution. An unlimi ted number of mobile devices can be assigned to one locker by syncing up with a card, but one mobile device can have only one c card assigned, whereas one phone can operate up to 5 locker locks at the same time if its RF card ha have 5 locks as assigned.

Access Log

To check the history of the mobile access key, visit the "Access Log" in the Menu bar.



Free Selection Mode

Open & Close by RF card key

1. Touch the lock + Put User card on the lock.

How it works



1. Download Passtech Mobile App from Google play store and install it into his smartphone
2. After running the App, choose 'Free m mode on the setting tab.
3. Then, you can freely choose any available lock to operate.

To access your mobile device, please set your lock for CSN Free mode and change the usage mode to Free mode from the Passtech APP from your mobile device.

Open in Emergency

1. In case the User loses card, the Operator can open the lock by Master Card I.
2. Master card can be set by Set up Card.
3. Once Master card I is used to open the lock, the lock revolver ts to default position.
4. User Card ID will be erased from the lock if Master Card has the function to delete the User ID.
5. When the lock stops working due to low battery, lock can be opened by external emergency battery pack.

Low Battery warning and battery change

The RFID lock uses 4 pieces of AA Alkaline batteries (6V).

1. When battery reaches to low voltage;
 1. Beep sounds five times.
 2. Red LED highlights
 3. Low battery is recorded in the memory of the User Card (Operator can know the low battery of the lock when the card is read at operator's Program).

2. Changing the battery

1. Open the battery case at main case.
2. Replace with new batteries.
3. When you pull out the battery, and if you do not insert the batteries in 3 minutes, the clock of the lock returns to default time. (1st. Jan, 2 010)
4. Please use the Maintenance card to set the time of the lock.
(For the setting of Maintenance card, please refer to LOS (Locker Operation System) User Manual or Esmart ultra client user manual.

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

System Card & User Card Operation

Owner Card

The role of the Owner card is to delete the Master card registration. Therefore, Owner card will be used to delete current master card registration in the lock, and make the lock to be ready to register new Master Card. It is simple to delete the Master card registration and to register new master card in the lock :

1. Put the Owner card to the lock until lock sounds beep (one time) and red lamp lights.
2. Now, all Master card registration is deleted from the lock.
3. After Owner card scanned, put new master cards to register to the lock.

Master Card

Functions of the Master Card I & II

1. There are two types of Master cards.
 - **Master card I:** Alarm Off, Locker open and User card deletion. The useful card at user card lost. After the Master card I scanned on a lock, the lock is ready to accept new user card.
 - **Master Card II:** Alarm Off and Locker open and close. Useful card for temporary lock open or close. The previous user card is still assigned to the lock.
2. Maximum five Master cards can be registered in a lock.

Replacing old Master cards with New Master cards

There are two ways to delete the lost Master card and register new Master card in the lock.

1. Using Maintenance Card

1. Read the master cards (all Master cards to be used in a lock) to register in each lock at Maintenance menu in LOS program (or online client program).
2. Put the Maintenance card to the reader, and download the master card chip numbers to the Card.
3. Put the Maintenance card to the locks, then, new Master cards will be registered to the lock, and lost master card will be blocked.

2. Using Owner Card

1. Delete the old master card registrations in the lock (refer to the 4.1) with Owner Card.
 2. Put new master cards to each lock so as to register new master cards. Then, old master card you lost will not be used.
- All existing Master cards needs to be registered again together with new Master card because all master card registrations were deleted if Owner card is used.

User Card

Free Selection (Shared Use)

The initial status of the lock in Free Selection mode is open (Latch is inside).

1. Initial Use

1. Select the empty locker.
2. Put your belongings in the locker.
3. Touch to wake up the lock, and place your card (or any form of user key) to the front body of the lock.
4. Wait until the Green LED lights and Beep sounds once.
5. Latch will move out, and lock is closed.
6. Close the door. The lock will be remained at locking state.

2. Open the lock

1. Touch to wake up the lock.
2. Put your user card to the front body of the lock.
3. Lock will check the lock ID and key of the user card (or any form of user key).
4. Lock will emit Green LED and beep sound once it is right user card.
5. Latch will be moved and locker will open.
6. User information will be erased from the lock so that new user can use the empty lock. In free selection mode, lock and card need to read and write the each other's information. So please do not sway the card until the latch is moved.

Assigned Mode (Permanent Use)

The initial status of the lock in Assigned Mode is closed status (latch out)

1. Touch to wake up the lock.
2. Put the User Card to the front body of the assigned lock.
3. Lock checks the card, if the key of the user card is correct, Lock will emit green LED lights and beep sound once. Then, lock will be opened, and closed again in 5 seconds.

4. To close the locker, just close the door. Lock will remain the closed status.

Replacing old User card with New User card

1. Free Selection

1. Issue new user card by LOS (Locker Operation System) program.
2. In case the locker is closed, put Master Card to the lock to open the lock.
3. Put new User card to the lock, then lock will accept new User card, and missing card will not be accepted.
4. In case the locker is opened, just put the new user card to the lock, and the lock will register this new user card key. Old User key will not be accepted.

2. Assigned Mode

1. Issue new User card (with assigned locker Number) for Assigned mode.
2. Put Master Card to the lock to delete the old user card, and put the new User card to the lock.
3. Lock will accept the new user card only, and old user card registration will be deleted.
4. In case the lock is set for multiple users, lock revision should be updated when new user card is issued by LOS program. Then, Lock updates it's revision number when new user card is scanned. The other user cards which are assigned to this locker also needs to be reissued with updated lock revision by LOS program.

Maintenance card

1. Program Maintenance card as you want from LOS (or online client software)
2. Put Maintenance card to each lock, lock will be set as you programmed in step 1.
3. Time of the lock, Master cards change, Wireless online channel, Auto status update, etc can be updated with Maintenance card.

Audit Trail card

1. Put Audit Trail Card to the lock.
2. The latest event data (up to 150 events) will be downloaded from lock to the Card. Wait until melody is on.
3. Read the Card at LOS program, and 150 event data will be saved to the PC.

Lock Info card

1. Put Lock info Card to the lock.
2. Various lock information data will be downloaded from locks to the Card. One card can collect up to 40 locks.
3. Read the Card at LOS program, and all data will be saved to the PC.
4. Lock ID, operation mode, Battery status, time, auto opening setting status, RF channel and more will be indicated.

Note: For further information about all system cards and how to issue, refer to LMS / LOS or Esmart ultra client manual.

Indication Instruction

1. **Open/Close:** GREEN LED on for 0.2 second, one beep sound for 0.2 second.
2. **Successful programming:** Melody.
3. **Indicate for mistake:** RED LED flashes 3 times, 3 beep sounds
4. **Low voltage:** RED LED blinks 5 times, and beep sounds 5 times.

Specification

Item	Spec
Material	Polycarbonate
Communication	2.4Ghz Wireless (ONLINE COMUNICATION)
	BLE (MOBILE KEY)
Security	AES128
Door open	Touch-key (PIN, HP200 Only), Mobile Key, RFID CARD, Wireless control
Power Supply	AA*4 6V DC(Alkaline) Battery
RFID	Mifare Classic & Desfire at default, ISO14443 Type A
Indicator	Buzzer, Red/Green LED,
	E-PAPER (SL600E only)
Dimension	FRONT (W*H*D)
	SL600 : 56mm*72.5mm * 13.5mm
	SL600E : 56mm*72.5mm * 14.0mm
	BACK (W*H*D)
	99mm*68.5mm*36mm
Operation TEMP	0 °C to 50 °C
Battery life	1.5year (online) 2year (stand alone)
Certification	FCC, CE

Beep & LED Table

Beep	LED	Description
------	-----	-------------

1 x short beep	1 x Green(2sec)	OK
2 x short beep	1 x Red(2sec)	Operation Error
3 x short beep	1 x Red & Green in turn(2sec)	Time over
Do-Re-Mi Melody	1 x Red & Green in turn(2sec)	Successful Set up / mode change / Time setting
5 x short beep	5 x Red & Green	Low battery
Do-Re-Mi Melody	2 x Red & Green	Successful connection between front and back bodies.
1 x short beep	1 x Green	Off the Alarm by Control card
Melody	1 x Green	Successful registration of Owner Card/ Master Card

No Beep	Both Green and Red LED blinks	<p>1) Owner Card is not registered.</p> <p>2) In case of Shift or Week- day operation mode, Alarm for shift or Time due.</p>
No Beep	Red on/off	Owner card is registered, but Master card is not registered.
No Beep	Green on/off	<p>Owner & Master card are registered, but User card is not registered in</p> <p>Assigned Mode.</p>

Master card registration in the lock was failed.	<p>1) Master card registration should be followed after deleting old Master card in the lock by Owner card.</p> <p>2) Put Master card on the lock before waiting time is out after Owner card.</p>
Cannot open the lock with Master card	<p>Master card is not registered in the lock.</p> <p>Please Register the Master card in the lock.</p>

Cannot open or close the lock by User card	<p>1. Check the Setting of User card by LOS.</p> <p>(1) Free Selection Mode</p> <p>• Validity / Operation mode / Lock ID / Number of locks this user card can be used.</p> <p>(2) Assigned Mode</p> <p>• Validity / Operation Mode / Lock ID / Number of locks this user card can be used.</p> <p>2. Old User card may be still in the memory of the lock. Erase the card information from the lock by Master card, then register again with the User card.</p>
When lock was touched to wake up, five beep sounds with Red lamp.	Low battery sign. Please replace the batteries.
Latch does not move, while Card and lock operates in normal.	<p>Too many goods may press the lock body or door. Push the locker door to make the space for the latch movement.</p>

Regulatory Statement

FCC Part 15.105 statement (Class B)

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Part 15.21 statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Statement (MPE)

The antenna(s) must be installed such that a minimum separation distance of at least 20 cm is maintained between the radiator (antenna) and all persons at all times.

Supplier's Declaration of Conformity


47 CFR § 2.1077 Compliance Information

Responsible Party – Cardcom

Address: 1301 S. Beach Blvd. Ste-P La Habra, CA 90631 Tel.: 562-943-6300

E-mail: passtech@esmartlock.com

Documents / Resources

 <p>USER GUIDE RF&KEYPAD INTEGRATED SLIM LOCKER LOCK (Model : SL600/SL600E)</p> <p>Passtech Co., Ltd.</p>	<p>PASSTECH SL600E RF and Keypad Integrated Slim Locker Lock [pdf] User Guide SL600, SL600E, W6YSL600, SL600E RF and Keypad Integrated Slim Locker Lock, SL600E, R F and Keypad Integrated Slim Locker Lock</p>
--	---

References

- passtech@esmartlock.com
- esmartlock.com
- esmartlock.com/

Manuals+.