**LockSDK Intelligent Lock Management System Development Kit Instruction**

1. **Important notes**
2. SDK can view “LockDll.h”, it can be open by txt. or VC.
3. This SDK supports different programming languages, including VC. Delphi, etc. (one language for one folder). Please choose your demonstration program language (Demo) that you usually use for testing and development.
4. The interface file is LockSDK.dll. This interface will call the bottom various dynamic libraries. When connecting with hotel management software, you need to connect it on LockSDK.dll.
5. Format of lock number: 001.002.028. If it is a suit room, it will be followed by a letter, e.g. 001.002.028.A. Special attention should be paid that in DLock management software, format of lock number can be: 102, or 20105A, or A0203, etc.. In the early DLock software, there was no lock number, and you would need to input the room number directly (input the lock number if the lock management software has lock number). If you need the details, please check “guest room setting” window in the lock management software.
6. For one guest room, the guest card at the latest check-in time will make the former one invalid. For example, if a guest card’s check-in time is 12:00, which can open the door, while another guest card’s check-in time is 12:05, the former card will be useless so long as the latter opens the door. Therefore, if you need several cards to open the door, you will have to make them at the same check-in time. If you encode cards with different software, like Demo, hotel management software, and lock management software, their check-in time might be different, and only the latest guest card will be able to open the door.

We call the above functions as replacement function (the latter card replaces the former one). After the replacement, swipe the Authorization Card on the lock for 3 times, and then swipe Installation Card to reset, the replaced guest card can be used again. If you meet some problems, please check whether the guest cards are at the same check-in time.

1. Because of the lock clock error, please put off the check-out time for 15 minutes. For example, if your check-out time is at 12:00, the check-out time should be set at 12:15.
2. Format of check-in time and check-out time: 2012-01-01 12:30:00. It must be input in this way, and shares the same format with that of the computer (you can adjust the date format of the computer and then encode card).
3. If the guest card cannot open the door, you can check the card information on lock management software, and see whether there is any difference compared with the cards that encoded by lock management software (especially check the lock number and check-in time).
4. If you need to see the English version, you can change the name “Language-EN.ini” in to “Language.ini”.
5. Lock common error prompts (swipe the card on the lock to hear the sound).

“di” for once: time error

“di” for twice: double locked

“di” for three times: wrong card

“di” for four times: the card reports the loss

“di” for five times: card’s password is wrong

“di” for six times: wrong client code

“di” for seven times: not swiping setting card

1. **returned value specification**

enum ERROR\_TYPE

{

**OPR\_OK = 1, // operation success**

**NO\_CARD = -1, // card is not detected**

**NO\_RW\_MACHINE = -2, // card reader is not detected**

**INVALID\_CARD = -3, // invalid card**

**CARD\_TYPE\_ERROR = -4, // wrong card type**

**RDWR\_ERROR = -5, // read/write wong**

**PORT\_NOT\_OPEN = -6, // port is not open**

**END\_OF\_DATA\_CARD = -7, // end of data card**

**INVALID\_PARAMETER = -8, // invalid parameter**

**INVALID\_OPR = -9, // invalid operation**

**OTHER\_ERROR = -10, // other error**

**PORT\_IN\_USED = -11, // port is in use**

**COMM\_ERROR = -12, // communication error**

**ERR\_CLIENT = -20, // wrong client code**

**ERR\_NOT\_REGISTERED = -29, // not registered**

**ERR\_NO\_CLIENT\_DATA = -30, // no Authorization Card data**

**ERR\_ROOMS\_CNT\_OVER = -31, // rooms are over the available sector**