



Ritelock Pro

(Version 1.XX)

iCode Programming Guide



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RITELOCK PRO PROGRAMMING GUIDE

SYSTEM REQUIREMENT

The following hardware and software minimum requirements are recommended to use the Ritelock Pro software:

- IBM compatible PC (Pentium II or greater) capable of running Windows with an available USB port for an iButton USB Encoder
- Screen area resolution capability of 1024 x 768 pixels
- CD-RW driver for installing the software and for backing up the database
- Hard disk drive with at least 100 MB of disk free space
- Minimum system memory of 128 MB, or as recommended by the operating system
- **Microsoft® Windows® 7 32-Bit/64-Bit, Microsoft Windows Vista® 32-Bit and Microsoft Windows XP**

SYSTEM COMPONENTS

The Ritelock Pro iCode System requires the following components:

- RITELOCK PRO series locks
- PC
- Ritelock Pro software
- USB iButton encoder (Option)
- iButton Programming fob (Option)
- iButton Probe (Option)



R-300



R-500



Software Programming kit



Programming fob



iButton Probe

Ritelock PRO serials lock features two methods of programming:

(1) Programming with keypad

(2) Programming with Software kit



PROGRAMMING WITH KEYPAD

INSTALL RITELOCK PRO SOFTWARE

Please read the readme.txt file for the latest information about your Ritelock Pro software and System Requirements.

1. Place Software CD into the CD-ROM drive. Copy the pre-installed programming files (Ritelock.exe and RitelockDB) to your PC
2. Install 1-Wire USB Driver. After finished installation, connect the USB encode to the PC, the computer will find the new device and prompt you through the process. You can find the USB driver and download it from:
http://www.maxim-ic.com/products/ibutton/software/tmex/download_drivers.cfm
3. Run Ritelock.exe

LOGIN

Click on the icon ,the **login** screen will display, Click OK to login.



Note: The default User Name is “Admin” and Password is left blank. Click OK to login.



STEPS TO PROGRAM THE LOCKS

1) Add Lock to the software

Each lock has a unique and unalterable lock ID (Door ID), you can find the lock ID on back of the keypad Housing. Click “Add Doors” icon, click “Add” and manually input the Lock ID to the software. Select “Lock Model” and input “Lock No” (Door No.). The Lock No. must be 4 digits. Add “0” in front of the Lock No. if needed.

2) Change Facility Code

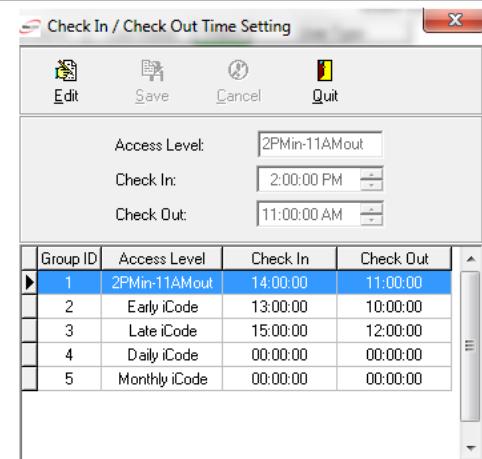
From “Tools” drop down menu, select “Facility Manager”, the software displays the “Facility Manager” window

Facility Code is a unique 8 digits code assigned to each lock, so your locks will be operated independently from others who had same system. All the locks come out of the box are identical.

Note: The default Facility Code is 99912345 (8 digits). It is recommended to change the facility code for security reason. Press “ALT” and “a” to display the facility code

3) Change Software Check in and Check out time (Optional)

You can modify Check in and Check out time, from “Tools” drop down menu, select “Check in/Check out”:



4) Initialize the lock

Connect 9V Battery to the lock, within 5 seconds, Press and hold “SCHLAGE” key until LED flashing red and beeps 6 times, release the key.

Note: If needed, disconnect the battery, press and hold any numeric key for 10 seconds and release. Repeat the Step 4)

5) Set lock System ID (12 Digit)



Note: Lock “System ID” is the combination of “Facility Code” and “Lock No.”, you can find Lock No.on back of the keypad housing. The Lock No. must be 4 digits. Add “0” in front of the 3 digit lock No. if needed.

6) Set Lock Master Code (MC 4-9 Digit)



7) Set Lock Daylight Saving Time

Starts:



Ends:



Note: United State daylight saving time starts on the second Sunday in March and ends on the first Sunday in November



8) Set Lock Clock Time



Note: We use 24 hour clock format to define the hour, for example, if it's May 29, 2009 3:26PM, then you will enter: 0529091526

9) Set Lock Check in and Check out time (optional)



Note: If you have modified software Check in and Check out time, then you need set lock Check in and Check out time, so the system and locks will understand each other.

1: Regular iCode, 2: Early iCode, 3: Late iCode, 4: Daily iCode, 5: Monthly iCode



PROGRAMMING WITH SOFTWARE KIT

INSTALL RITELOCK PRO SOFTWARE

Please read the readme.txt file for the latest information about your Ritelock Pro software and System Requirements.

1. Place Software CD into the CD-ROM drive. Copy the files (Ritelock.exe and RitelockDB) to your PC
2. Install 1-Wire USB Drive. After finished installation, connect the USB encode to the PC, the computer will find the new device and prompt you through the process. You can find the USB driver and download it from:
http://www.maxim-ic.com/products/ibutton/software/tmex/download_drivers.cfm
3. Run Ritelock.exe

LOGIN

Click on the icon ,the **login** will display, Click OK to login.



STEPS TO PROGRAM THE LOCKS

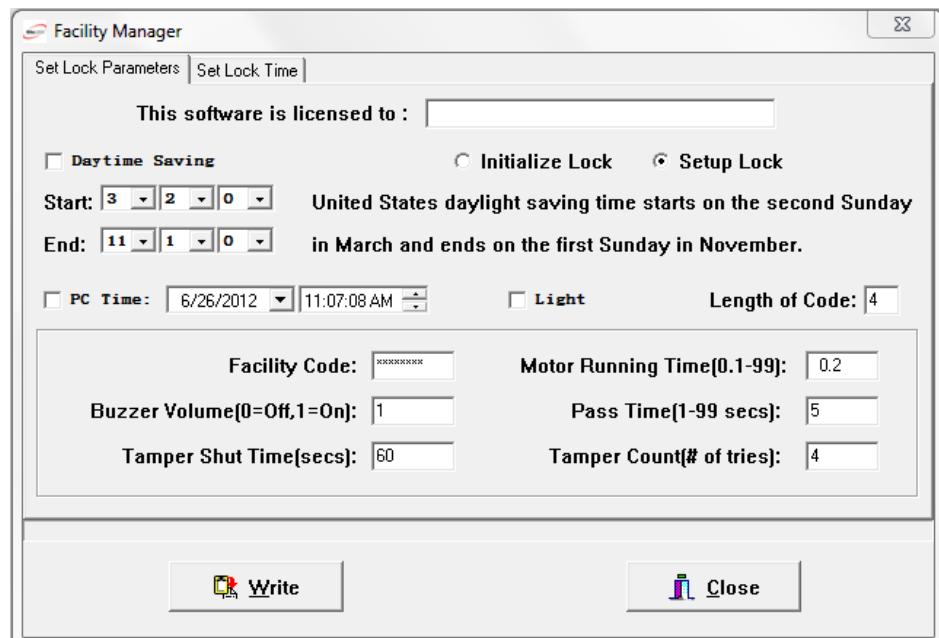
- 1) Add Lock to the software

Each lock has a unique and unalterable lock ID (Door ID), you can find the lock ID on back of the keypad Housing. Click “Add Doors” icon, click “Add” and manually input the lock ID to the software. Select “Lock Model” and input “lock No.” The Lock No. must be 4 digits. Add “0” in front of the 3 digit lock No. if needed.



2) Change Facility Code

From “Tools” drop down menu, select “Facility Manager”, the software displays the “Facility Manager” window

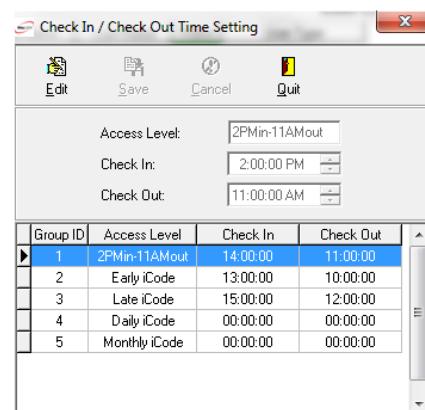


Facility Code is a unique 8 digits code assigned to each lock, so your locks will be operated independently from others who had same system. All the locks come out of the box are identical.

Note: The default Facility Code is 99912345 (8 digits). It is recommended to change the facility code for security reason. Press “ALT” and “a” to display the facility code

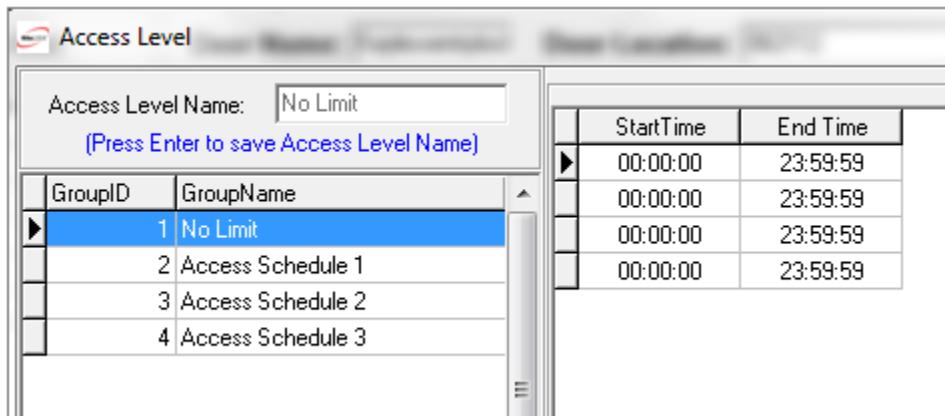
3) Change Check in and Check out time (Optional)

To modify the Check in and Check out time, from “Tools” drop down menu, select “Check in/Check out”:



4) Change Access Level (Optional)

To modify the Access Level, from “Tools” drop down menu, select “Access Level”:



5) Initialize the lock

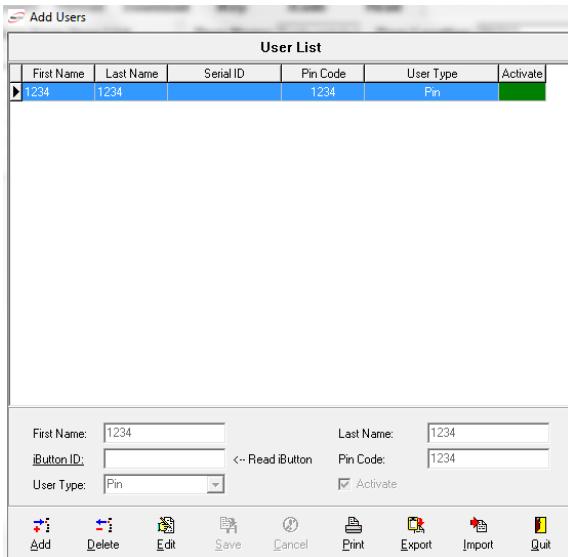
From “Tools” drop down menu, select “Facility Manager”, check “Daylight Saving”, “PC Time” and select “Initialize Lock”. With the USB encoder connect to the PC, snap your Programming key (Yellow Fob) onto USB encoder reader (make sure only one key fob attach to the reader), Click “Write”, the system information will write onto the Programming key, and a successful massage will pop up. From the keypad, connect the ibutton probe to the lock. (You will locate the connector inside the battery housing next to the battery clip) short inner circle to outside ring of the probe until "SCHLAGE" button light up, remove the jumper and place the programming key against the probe. “SCHLAGE” button will flashing green followed by two beeps.





6) Set Master Code

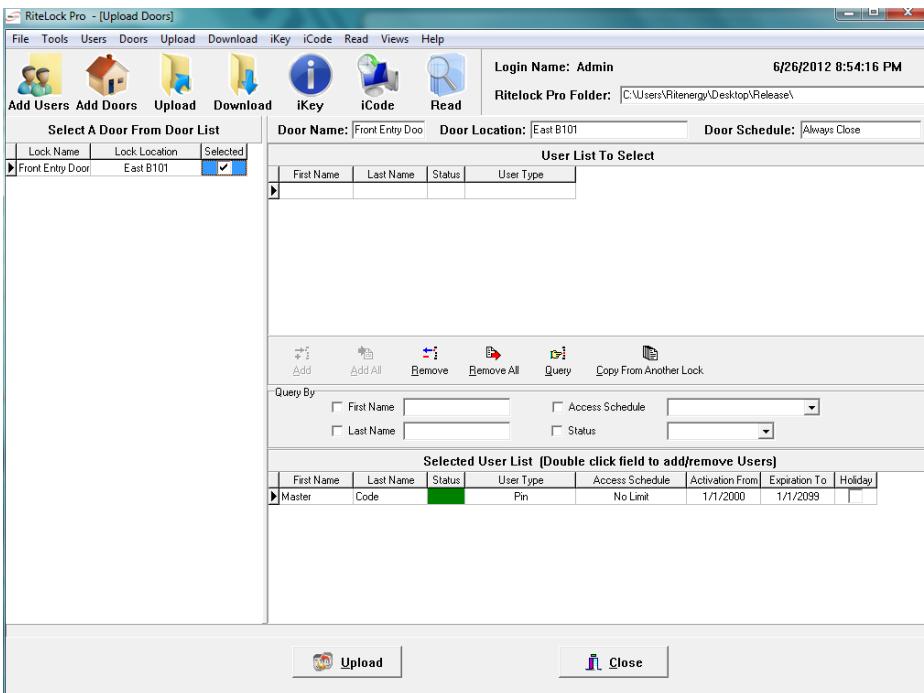
To add Master Code, click the “Add Users” icon:



Click “Add” button, fill in “First Name” and “Last Name”, under “User Type” dropdown menu, select “Pin”, enter the Master Code and click “Save”.

7) Upload

The Upload function allows you to assign “Master Code”, “Lock No.” and Access schedules to each lock. Click “Upload” icon:





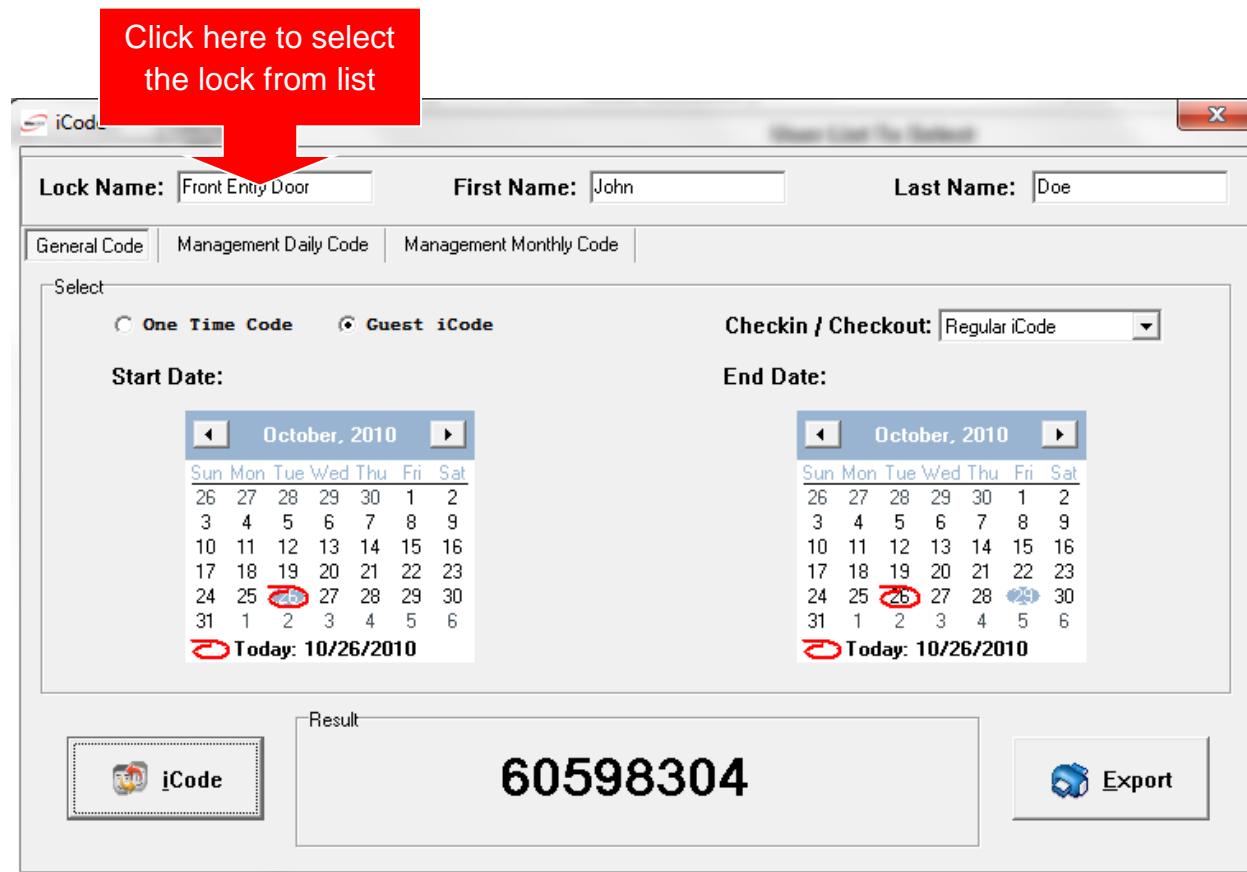
- Select a lock from the lock list
- Add Master Code to the lock by click “Add”, or “Add All” button
- Snap the Programming key (Yellow Fob) onto USB encoder reader and Click “Upload”
- The Upload information will write into the Programming key, and a successful message will pop up.
- Unplug the Programming key from USB encoder reader. Make sure the ibutton probe was connected to the lock, and place the programming key against the probe. “SCHLAGE” button will flashing green followed by two beeps.
- Enter the Master Code to confirm the job

Disconnect the iButton Probe from the lock and secure the back cover with two screws

iCODE

iCode is a revolutionary new PIN code-based electronic locking system that allows managers and/or owners to instantly and remotely provide access to specific properties for specific periods of time, without the need for a key or keycard. It eliminates the need to visit a front desk or rental office, providing increased convenience and privacy. Because the code is software generated, it can be easily sent to users through remote media, such as text messaging or email. Others requiring access to a property, such as housekeeping and maintenance staff can also be given individual remote access codes with separate time restraints, making it easy to manage and track all access to individual units. iCode is a fully time generated keyless locking System; made up of a "stand-alone" door access control unit (Lock) combined with iCode Generator.

Click the "iCode" icon, the **iCode** window will open; select the locks from the lock list



GENERAL CODE

General Code is designed specifically for the vocation rental customer; there are two type of the iCode



- Guest iCode

There are 5 Check in/Check out schedules designed for Guest iCode, the duration of the Guest iCode can be from 1 day to 12 months. Only one valid Guest iCode allowed during any given time period, new Guest iCode will cancel previous Guest iCode when entered

- One Time Code

One Time Code only works one time and will become invalid immediately after usage or it will be expired if never been used

Instructions to use Guest iCode

Method 1: Open with iCode

Enter the eight digits code

Method 2: Open with your own code (4-8 digits)

Enter the eight digits code

Within 10 seconds, enter your own code and press “SCHLAGE” button

Enter the code again and press “SCHLAGE” button to confirm



MANAGEMENT DAILY CODE

The screenshot shows the "Management Daily Code" window of the iCode software. At the top, there are input fields for "Lock Name" (Front Entry Door), "First Name" (John), and "Last Name" (Doe). Below these are three tabs: "General Code", "Management Daily Code" (which is selected and highlighted in blue), and "Management Monthly Code". Under the "Management Daily Code" tab, there is a "Select" dropdown and a "Date:" label followed by a calendar control. The calendar shows the month of October 2010, with the date 25 circled in red. To the right of the calendar are dropdown menus for "Start Hour" (set to 10) and "End Hour" (set to 14). At the bottom left is an "iCode" button, and at the bottom right is an "Export" button. The "Result" field in the center contains the generated code: 41504904.



Management Daily Code is an ideal solution for maintenance staffs or temporary contractors, those who don't have routine schedules. Daily Code will last from 1 hour to 16 hours within the day and Daily Code will co-exist and overlap from each other.

MANAGEMENT MONTHLY CODE

The screenshot shows the iCode software interface for managing monthly codes. At the top, there are fields for 'Lock Name' (Front Entry Door), 'First Name' (John), and 'Last Name' (Doe). Below these are tabs for 'General Code', 'Management Daily Code', and 'Management Monthly Code', with 'Management Monthly Code' being the active tab. A 'Select' button leads to a date selection dialog. In the dialog, 'Access Level' is set to 'No Limit', 'Start Month' is '10/2010', and 'End Month' is '11/2010'. The calendar shows November 2010, with the 25th highlighted in blue. The date 'Today: 10/26/2010' is also displayed. On the left, there's an 'iCode' icon and a large numeric keypad displaying '81586240'. On the right, there's an 'Export' button.

Management Monthly Code is designed for home owners, property managers and housekeeping staffs. There are 4 Access Levels scheduled for the users, each Access Level can generate 8 different iCode within same time period, and they will co-exist from each other. The duration of the Code can be from 1 month to 12 months.

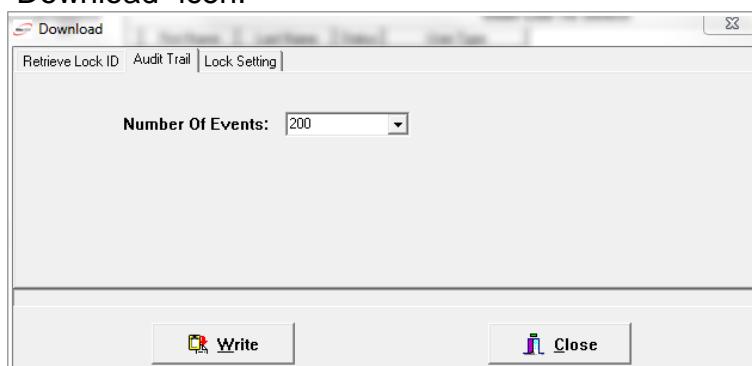


RETRIEVE INFORMATION FROM THE LOCK

Retrieve information from the lock to your computer is accomplished via iButton Programming key (yellow fob); this eliminates the need for direct physical or electronic connection between the lock and the PC.

DOWNLOAD AUDIT TRAILS

Audit trails can be downloaded by a small key fob without carry around the heavy equipment and cut the cost substantially. To download audit trails form the lock, click on “Download” icon:



- From “Download” window, click “Audit Trail”, enter number of events
- Snap the Programming key (Yellow Fob) onto USB encoder reader and Click “Write”
- The download information will write into the Programming key, and a successful message will pop up.
- Unplug the Programming key from USB encoder reader. Make sure the ibutton probe was connected to the lock, and place the programming key against the probe. “SCHLAGE” button will flashing green followed by two beeps.
- Snap the Programming key back onto USB encode reader and click “Read” icon. The Audit Report will display



TERMINOLOGY

Facility Code

Facility Code is a unique 8 digits code assigned to each lock, so your locks will be operated independently from others who had same system. All the locks come out of the box are identical.

Lock System ID

The combination of the Facility Code and Door No. will be assigned to each lock. The Lock System ID is the most important parameter for iCode generator.

Lock ID

Each Lock has a unique and unalterable address laser etched onto its CPU inside the lock control board. The address (e.g. 2D0101000C4FBE01) can be used as a ID or identifier for each lock.

Door No.

A random 4 digits number will be created for each lock, so each individual unit will operate independently from each other within same system.

Factory Master Code

Factory Master Code 12345 is used to initialize the lock for a new installation or full reset. This Code must be entered to set the **Lock System ID** and the new **Master Code** (MC). After the Master Code is set, the FACTORY MASTER CODE will no longer be valid and is only re-enabled after a full reset.

Master Code

Master Code is set for system administrator. The master Code has ultimate authority to control the system, this control include setting the lock parameters, editing users at all levels, setting time and date, setting up groups and controlling their access.

Audit Trail

Audit trail or audit log is a chronological sequence of audit records, each of which contains evidence directly pertaining to and resulting from the execution of access events.