



# SMARTLINC

## Multiple Lock System

### LOGIC MODULE & LOCK SET-UP INSTRUCTIONS



#### AVAILABLE FEATURES

##### MASTER CODE (Factory set to 1-2-3-4-5-6-7-8)

- Change Code
- Enroll/Delete Locks
- Install/Delete Manager
- Set Lock Options
- Reprogram Software
- Access to Master Menu
- Download Audit

##### MANAGER CODE (Factory set to 1-1-1-1-1-1)

- Manages Users
- Change Time Delay Values
- Download Audit
- Control Temporary Time Lock
- Extend Open Period, *if enabled*

##### USER CODE

- Up to nine users per lock
- Open Lock
- Change Code
- Set Immediate Lock

##### MULTIPLE LOCKS

- Up to Five

##### TIME DELAY

- Programmable on each lock
- Delay Period: 1 - 99 minutes
- Open Period: 1 - 19 minutes
- Counting mode selectable (up, down or invisible)
- Two Time Delays Can Run At Once

##### TIME DELAY OVERRIDE

- Ability to override time delay
- Assigned to User #9

##### SILENT SIGNAL ALARM (Optional Alarm Box Required)

- Programmable on each lock

##### REMOTE DISABLE (Optional Alarm Box Required)

- Programmable on each lock

#### AUDIT

- Each Lock will record last 500 operations with time, date and user

#### DUAL CODE

- Programmable on each lock
- If set-up automatically installs User #2 (Default User Code 2-2-2-2-2-2)
- Two Codes required to open

#### eKEY<sup>II</sup> MODE

- Programmable on each lock
- Available for Manager and Users only

#### WRONG TRY PENALTY

- Four (4) consecutive invalid codes initiates five-minute delay period

#### LOW BATTERY WARNING

- Repeated audio and visual signal (LCD readout and repeated beeping) during opening indicates battery low

#### AUDIO AND VISUAL SIGNAL

- Double signal (LCD readout and unit beeps) indicates entry is valid or accepted
- Triple signal indicates invalid or not accepted

#### TIME LOCK

- Selectable for each lock
- Standard Week (4 open periods per day)
- Special Events (Up to 20 close periods programmable with day and month)
- Immediate Time Lock (From now until next available open period)
- Temporary Time Lock (From now to required date and time, maximum of four (4) weeks)
- Time Lock Open Period Extension (Maximum two (2) hours)
- Daylight Saving Time

#### SYSTEM RECOMMENDATION

LA GARD recommends running the SMARTLINC software on a PC or Laptop running Windows® 2000 or higher.

#### Opening SMARTLINC Set-up Software

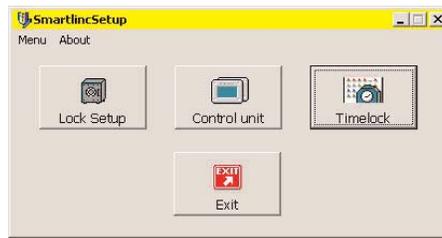
Once you have installed all of the software onto your computer you are ready to begin setting up your Logic Module and lock(s). You must first open your set-up software. Using either windows explorer or your START button, find the LA GARD folder on your hard drive. Within the LA GARD folder there are 3 folders labeled DST Update, SMARTLINC and Total Audit. Open the SMARTLINC folder and double click on the file named SMARTLINCSETUP, *see screen 1*.



Screen 1

## SMARTLINC Set-up Software

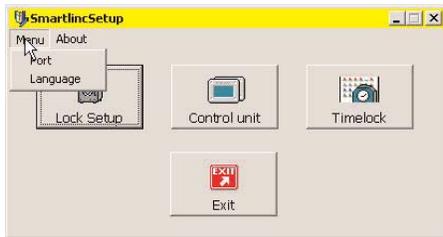
The opening window of the set-up software allows you to choose between Lock Set-up, Control Unit (Logic Module) Set-up, Time Lock Set-up and Exiting the Set-up software, *see screen 2*.



Screen 2

## COM Port Set-up

You will need to set-up your COM port before beginning your set-up. Select the appropriate COM port from the Port Menu. The default is COM 1, *see screens 3 & 4*.



Screen 3



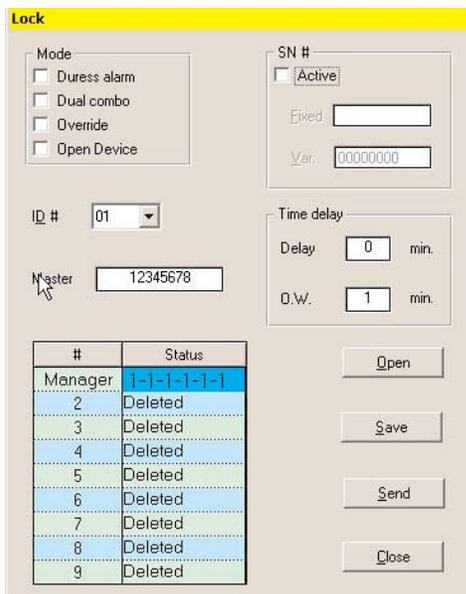
Screen 4

## LOCK SET-UP

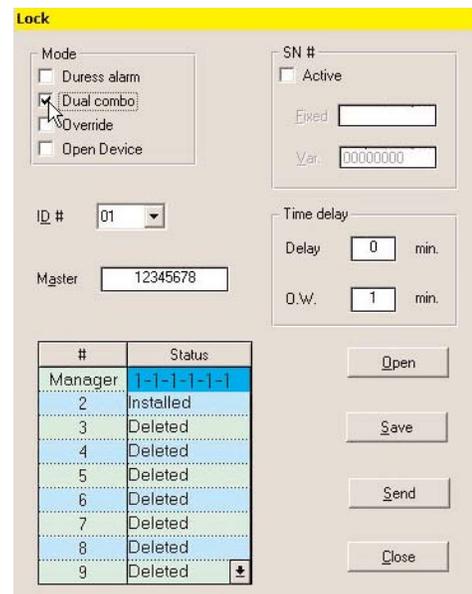
To set-up your locks, click on the Lock Set-up button on the opening screen, *see screen 2*. A window with the default configuration will appear, *see screen 5*. In this window you can select the features you want enabled on your locks.

- Select the lock ID for the lock you will be programming. LA GARD recommends that you mark the lock itself with its ID number.
- You can enter a serial number for the lock in this window. By checking this box, you will have the option of entering a Fixed Field, which is alphabetical and a Variable Field, alphanumeric only. If entered, this information will be shown on the audit.
- If you install Dual Code, User #2 is automatically installed, *see screen 6*.
- Users can only be configured on the Logic Module if they have been set-up as Deleted or Blocked in this window.
- Once you have selected all of the features for this lock you can save the set-up to a file for later use. If you already have a saved file, you can open it from this window as well.

**NOTE: Open Device and Duress Alarm cannot work at the same time.**



Screen 5



Screen 6

## SENDING SET-UP TO THE LOCK

This function requires the use of the Lock Programming Cable (P/N 43098) and a Serial Interface Connector.

- ① Connect power to the lock via the logic module or small/large battery box through the port on the lock marked BAT. LA GARD recommends the use of Duracell™ or Eveready™ batteries, see figure 1.
- ② Plug Interface and cable into PC and open SMARTLINC Set-up software.
- ③ Plug the 43098 cable into the lock through the port on the lock marked ENT.
- ④ Select the lock ID for the lock you will be programming. It is a good idea to mark the lock itself with it's ID number.
- ⑤ Press the send button on the software and then the Start button, see screen 7.
- ⑥ On the screen the software will scroll through each Record number (1 - 12) as it downloads to the lock, then it will show OK.
- ⑦ Repeat steps ③ - ⑥ for each lock you are programming with this configuration.

**NOTE: If your computer does not have a serial port, you will need a serial to USB connector.**

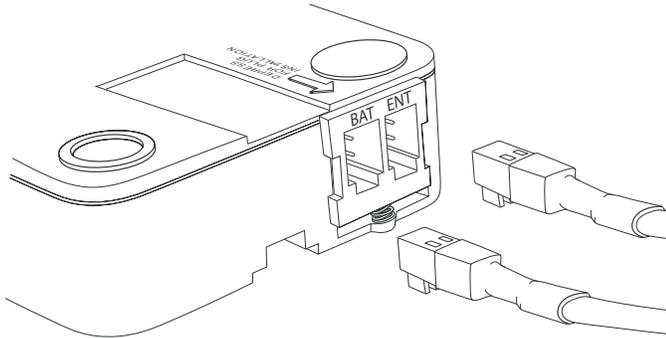
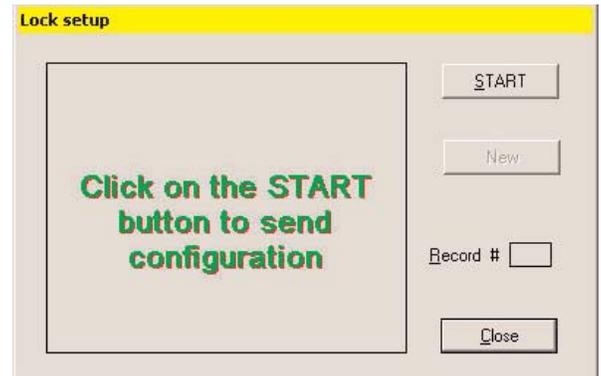


Figure 1

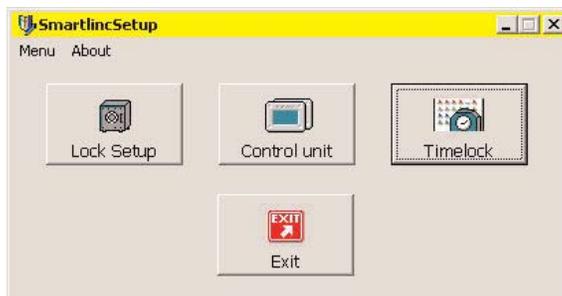


Screen 7

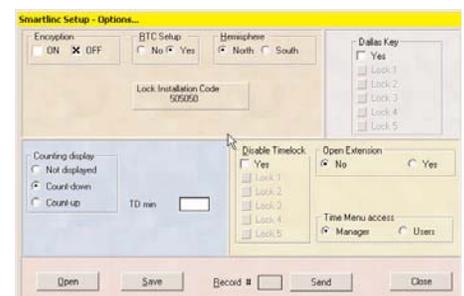
## CONTROL UNIT (LOGIC MODULE) SET-UP

To set-up your logic module, click on the Control Unit Set-up button on the opening screen, see screen 8. A window with the default configuration will appear, see screen 9. In this window you can select the features you want enabled on your logic modules.

- Encryption can be set either ON or OFF. The default is set for OFF. If you set encryption ON, once you have installed your locks to this Logic Module, this is the only Logic Module you will be able to use with these locks.
- RTC Set-up is set with a default on YES. In the event of an RTC failure, by entering the Master and Manager code the Date and Time may be retrieved. Selecting NO means you will NOT be able to retrieve Date and Time should the RTC fail. LA GARD recommends that all systems be set with the default of YES.
- Hemisphere is set with a default for NORTH. Select the Hemisphere where your units will be active.
- The Dallas key (eKEY<sup>II</sup>) option can be selected on this page. By checking the YES box you can then select which locks you would like to set-up for use with eKEY<sup>II</sup>, see screen 10.
- Counting Display is set to a default of Countdown. You have the option of having your Time Delay counting sequence Count Up, Count Down or Not Displayed.
- The TD MIN window allows you to choose a minimum Time Delay value. Once this number is entered, Managers having access to the time menu will not be able to change the Time Delay value below this minimum delay period number. This feature will program ALL locks on the system with Time Delay set-up.
- Disable Time Lock is set to default that ALL locks connected to the system will accept the Time Lock Programming as set-up in the Time Lock Window. By checking the YES box, you can select which locks WILL NOT have Time Lock set-up on them, see screen 11.
- Open Extension is set to default on NO. By selecting NO, no one will have access to the Open Extension Time Menu on the Logic Module. By selecting YES it allows the Manager and/or Users (as selected in the next option) to access the Time Lock Open Extension menu on the Logic Module. Those who have access can then extend the Time Lock Open Period in 30 minute increments, but no more than two hours or four (4) 30 minute increments.
- Time Menu Access allows you to select whether both the Manager and the Users or the Manager only will have access to the Time Menu.



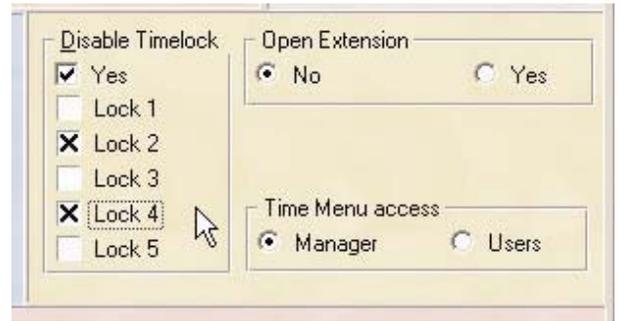
Screen 8



Screen 9



Screen 10



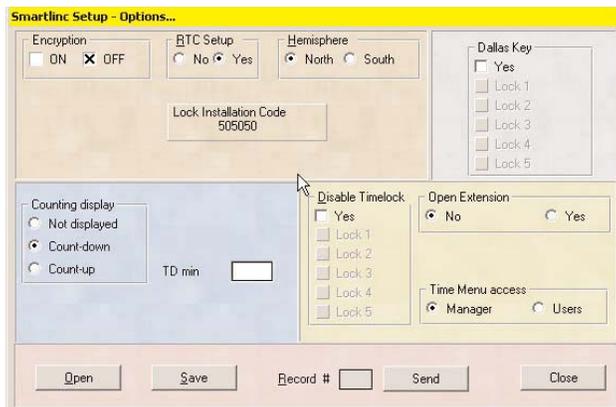
Screen 11

### SENDING SET-UP TO THE LOGIC MODULE

This function requires the use of the Logic Module Programming Cable (P/N 43097) and a Serial Interface Connector.

- ① Connect power to the Logic Module. Requires the use of a 9V battery. LA GARD recommends the use of Duracell™ or Eveready™ batteries.
- ② Plug Interface and cable into PC and open SMARTLINC Set-up software.
- ③ Connect the 43097 cable to the Logic Module through the port on the keypad.
- ④ Press the send button on the software, *see screen 12*.
- ⑤ The software will instruct you to activate the PC Link in the Master Menu on the Logic Module, *see screen 13*.
- ⑥ Press any key to power up SMARTLINC.
  - Display will show either "ENTER COMBO" or SELECT LOCK" when two or more locks are installed.
- ⑦ Hold down "zero" until the display shows "MASTER, X-X-X-X-X-X-X".
- ⑧ Enter the MASTER code.
- ⑨ Press the P button three (3) times to select PC Link, the display will show "PC LINK". Press the OK button to start communication with the PC.
- ⑩ On the screen the software will scroll through each Record number as it downloads, then it will show OK.

**NOTE: If your computer does not have a serial port, you will need a serial to USB connector.**



Screen 12



Screen 13

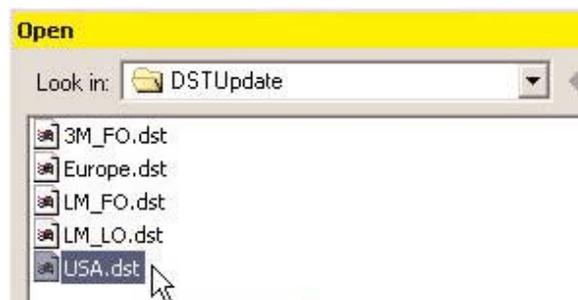
### DST (Daylight Savings Time) SET-UP

This function requires the use of the Logic Module Programming Cable (P/N 43097), PC, DST Update Software and a Serial Interface Connector.

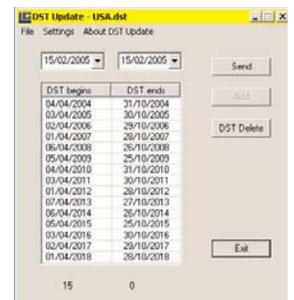
- ① To set-up DST, click on the DST icon on the PC desktop. The set-up window will appear, *see screen 14*. In this window you can set-up your DST dates or select from the pre-set files available. A pre-set file has been created for the USA.
- ② Click File from the menu bar, then Open.
- ③ Select the file marked USA.DAT and click Open, *see screen 15*.
  - The dates will automatically be filled in for the next 15 years, *see screen 16*.



Screen 14



Screen 15



Screen 16



## TIME LOCK SET-UP EXAMPLES

- Lock available 7 days a week during business hours (in this case business hours are 8am to 8pm 7 days a week,) see *screen 20* for the correct set-up.
- Lock available 6 days a week during business hours (in this case business hours are 8am to 8pm 6 days a week, closed on Sunday,) see *screen 21* for the correct set-up.
- Lock available 24 hours a day 6 days a week, unavailable 1 day per week (in this case closed on Sunday,) see *screen 22* for the correct set-up.

**Standard Week**

Open		Close		Close	
Day	Time	Day	Time	Duration	Day
MON	08:00	MON	20:00	12:00	
TUE	08:00	TUE	20:00	12:00	
WED	08:00	WED	20:00	12:00	
THU	08:00	THU	20:00	12:00	
FRI	08:00	FRI	20:00	12:00	
SAT	08:00	SAT	20:00	12:00	

Screen 21

**Standard Week**

Open		Close		Close	
Day	Time	Day	Time	Duration	Day
MON	00:00	MON	23:59	23:59	
TUE	00:00	TUE	23:59	23:59	
WED	00:00	WED	23:59	23:59	
THU	00:00	THU	23:59	23:59	
FRI	00:00	FRI	23:59	23:59	
SAT	00:00	SAT	23:59	23:59	
SUN	00:00	SUN	00:01	00:01	

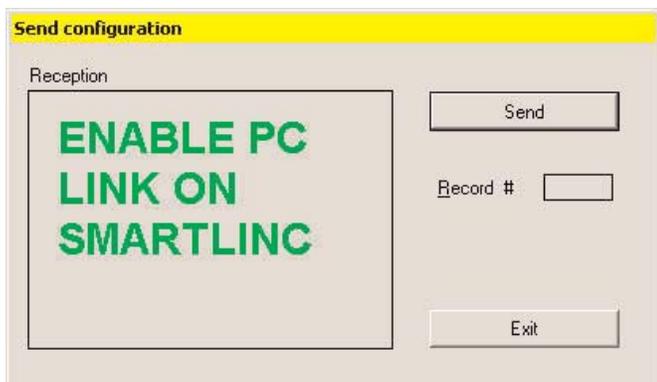
Screen 22

## SENDING TIME LOCK SET-UP TO THE LOGIC MODULE

This function requires the use of the Logic Module Programming Cable (P/N 43097) and a Serial Interface Connector.

- ① Connect power to the Logic Module. Requires the use of a 9V battery. LA GARD recommends the use of Duracell™ or Eveready™ batteries.
- ② Plug Interface and cable into PC and open SMARTLINC Set-up software.
- ③ Connect the 43097 cable to the Logic Module through the port on the keypad.
- ④ Press the send button on the software, see *screen 23*.
- ⑤ The software will instruct you to activate the PC Link in the Master Menu on the Logic Module, see *screen 23 & 24*.
- ⑥ Press any key to power up SMARTLINC.
  - Display will show either "ENTER COMBO" or SELECT LOCK" when two or more locks are installed.
- ⑦ Hold down "zero" until the display shows "MASTER, X-X-X-X-X-X-X".
- ⑧ Enter the MASTER code.
- ⑨ Press the P button three (3) times to select PC Link, the display will show "PC LINK". Press the OK button to start communication with the PC.
- ⑩ On the screen the software will scroll through each Record number as it downloads, then it will show OK.

**NOTE: If your computer does not have a serial port, you will need a serial to USB connector.**



Screen 23



Screen 24

## SPECIAL EVENTS SET-UP

To set-up Special Events, click on the Time Lock button on the opening screen, see *screen 8*. A window with the default configuration will appear, see *screen 17*. In this window you can set-up your Standard Week and Special Events Time Lock.

### SPECIAL EVENTS

- By right clicking with your cursor in the first line on the Special Events screen you can select Add, Delete or Delete All, see *screen 25*.
- Select the first box and select Add to set-up your first Special Event period. Select the correct Day and Date from the drop down menu for the Closed Time. Then select the correct Day and Date from the drop down menu for the Open Time, see *screen 26*.
- You can Add up to Twenty Special Events (a maximum of four weeks) for each year.

**NOTE: Special Events will repeat each year.**

### SENDING SPECIAL SET-UP TO THE LOGIC MODULE

This function requires the use of the Logic Module Programming Cable (P/N 43097) and a Serial Interface Connector.

- ① Connect power to the Logic Module. Requires the use of a 9V battery. LA GARD recommends the use of Duracell™ or Eveready™ batteries.
- ② Plug Interface and cable into PC and open SMARTLINC Set-up software.
- ③ Connect the 43097 cable to the Logic Module through the port on the keypad.
- ④ Press the send button on the software, see *screen 23*.
- ⑤ The software will instruct you to activate the PC Link in the Master Menu on the Logic Module, see *screen 23 & 24*.
- ⑥ Press any key to power up SMARTLINC.
  - Display will show either "ENTER COMBO" or SELECT LOCK" when two or more locks are installed.
- ⑦ Hold down "zero" until the display shows "MASTER, X-X-X-X-X-X-X".
- ⑧ Enter the MASTER code.
- ⑨ Press the P button three (3) times to select PC Link, the display will show "PC LINK". Press the OK button to start communication with the PC.
- ⑩ On the screen the software will scroll through each Record number as it downloads, then it will show OK.

**NOTE: If your computer does not have a serial port, you will need a serial to USB connector.**



## TROUBLESHOOTING

### Transmission Error

- A communication error (check cable and battery connections and/or re-start Setup application)
- The lock is not in pre-setup mode (reset the lock with the reset box)

### No Answer

- A communication error (check cable and battery connections and/or re-start Setup application)
- SMARTLINC is not in PC-Link mode (Activate PC Link in Master menu)