SAFETECH PRODUCTS

Quicklock *THE* **DOORLOCK**
BLUETOOTH + NFC
+ ACCESS CONTROL

User   Manual

Doorlock   Assembly

Front Button
(Optimal NFC Read Area)

Red/Blue/Green LED

Battery Compartment

Outside Knob

Latch

Green LED

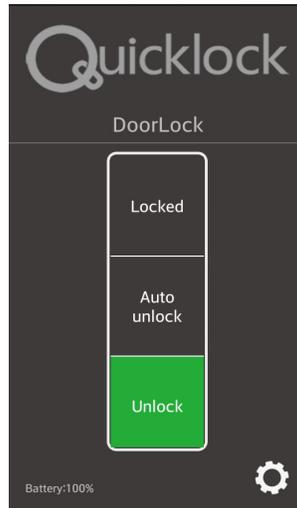Z-Wave Button

Inside Button

Inside Knob

Red LED
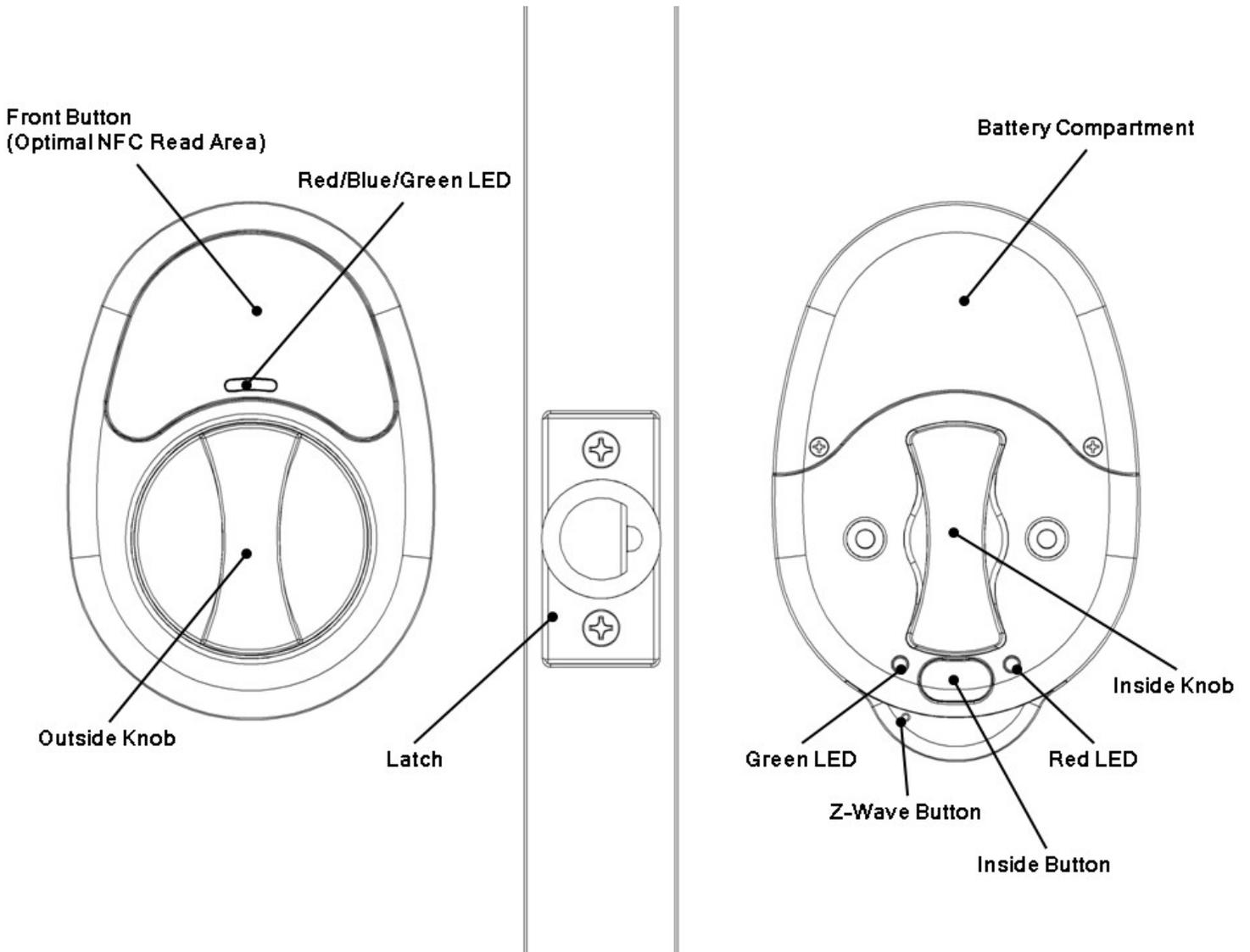
Outside

Inside

App Layout:


Setting up the Bluetooth Application:

- Download the iPhone app from iTunes or the Android app from the Google Play Store and Install to handheld device.
- After installing, open the app. The app will prompt the user to input a user name. Enter a unique user name and press OK.

## Setting up a new doorlock:

- To connect a new doorlock, press the add lock button on the app, and then press the button on the front of the doorlock. The Doorlock will now connect with the app.
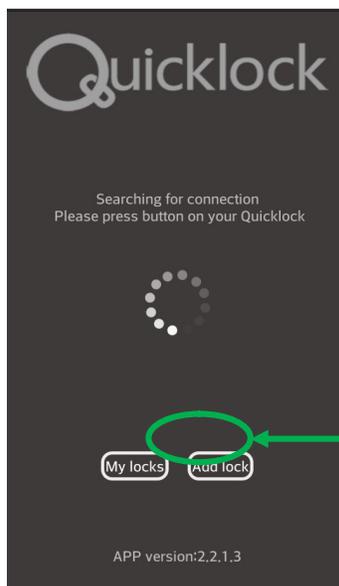
- Once the doorlock is connected, the application will prompt the user to enter a password. The **default password** is: **12345678**
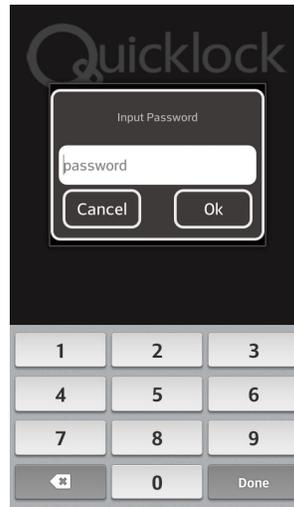
- Once the password is entered the handheld device will be connected to the doorlock via the application and all application functionality will be enabled while the handheld device is connected.

- It is important to change the default password after connecting the doorlock. To do this press the settings cog on the bottom of the "unlock screen". Change the password by clicking Edit next to the password and entering a new unique password.
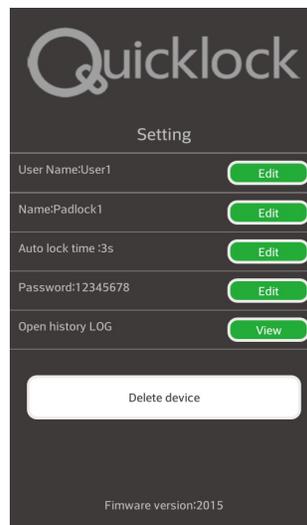
Application Functionality

- **Lock:** When the outside button on the Doorlock is pressed, the blue LED on the outside cover will flash showing the lock is trying to connect via Bluetooth. The Doorlock will try to connect to an authorized device for up to 10 seconds. When the user presses the "Lock" button on the application then the inner gearbox will turn to the locked position so the outside knob will not rotate. This gearbox position will remain until another action is taken to turn the gearbox to the unlocked position.

- **Auto Unlock:**   By pressing the outside button, the blue LED on the front cover will flash showing the Doorlock is trying to connect via Bluetooth.   The doorlock will try to connect to a handheld device with a valid connection for up to 10 seconds. If the application is configured so the "Auto Unlock" button is on then as soon as the doorlock connects via Bluetooth then the gearbox will turn to the unlocked position allowing the outside knob to be free to move and unlatch the door.

- **Unlock:**   When the outside button is pressed, the blue LED on the front cover will flash showing the doorlock is trying to connect via Bluetooth.   The doorlock will try to connect to an authorized handheld device for up to 10 seconds. When the user presses the "Unlock" button on the application then the gearbox will turn to the unlocked position so the outside knob will rotate. This gearbox position will remain until another action is taken to turn the gearbox to the locked position.

- **My Locks:**   On the searching connections screen, press the "My Locks" button to view/change all locks connected to the handheld device.

- **History Log:**   To access a log of recent lock activity, press the view button next to history log in the lock settings.

- **Settings:**   This will show the User Name, Lock Name, Auto Lock Time, Password, and History Log.

Other Doorlock Features

- **Using NFC to open:**
  - ○ Press doorlock button once, blue LED will flash.
  - ○ Scan tag by bringing the tag close to the read area. (over the front button)
  - ○ Blue LED will blink and Doorlock will open.
  - ○ Doorlock will power down based on time indicated in settings "Auto Lock Time".

- **Using the inside button to toggle between locked and unlocked:**
  - ○ Press inside button once.
  - ○ Doorlock will toggle to next locked or unlocked position.
  - ○ If the position is now locked the inner LED will be red.
  - ○ Press the inside button again.
  - ○ If the position is now unlocked the inner LED will indicate green.

- **Using the inside button to set persistent state:**
  - Press and hold the inside button for 3 seconds to change the persistent state.
    -Persistent locked- the doorlock will unlock when the button is pressed on the outside, and activated via Bluetooth or RFID, and then auto-lock after 3 seconds. The Doorlock can be opened from the inside, but will not unlock the Doorlock.
    -Persistent unlocked- the doorlock will unlock when the button is pressed on the outside, and activated via Bluetooth or RFID, and will not auto-lock. When the door is opened from the inside, the Doorlock will be unlocked.

- **Programming the doorlock to a new NFC Tag:**
  - Press front button once, Blue LED will flash. (Note: If Red LED blinks, the batteries are below 40% and the doorlock should be replaced soon.)
  - Scan tag by bringing it close to the optimal read area. (Note: User must use the tag that came with the doorlock or other previously learned tag.)
  - LED will turn solid blue and the Doorlock will open.
  - Within 3 seconds of the LED turning solid blue, press button again to enter programming mode. (Note: a new tag must be learned within 3 seconds or the Doorlock will power off.)
  - Scan new tag. (On optimal read area)
  - Blue LED will blink quickly and Doorlock will power off.
  - New tag has been programmed and saved into the Doorlock.

- **Opening the doorlock with a previously paired Bluetooth handheld device:**
  - Open application on the handheld Device.
  - Press the outside button on the doorlock to turn on Bluetooth.
  - Wait for Bluetooth on the Doorlock to connect.
  - Press the unlock button on the application.
  - Gearbox will disengage lock.
  - Turn the front knob to disengage the latch.

- **Opening the doorlock with a previously paired Bluetooth handheld device (with "Auto unlock" enabled):**
  - Open application on the handheld Device.
  - Press the button on the doorlock to turn on Bluetooth.
  - Wait for Bluetooth on the Doorlock to connect.

- Gearbox will disengage lock.
- Turn the front knob to disengage the latch.

- **Erase stored tags**
  - Press outside button once to turn on RF reading.
  - Scan a programmed tag.
  - Press button again to enter programming mode.
  - Press and hold button for 5 seconds.
  - All tags but the one used to enter programming mode will be erased.

- **Red LED: Low Battery Warning**
  - If the red and blue LEDs blink alternately when powered on, the battery is below 40% and should be changed soon.
  - If the red LED flashes rapidly when powered on, the battery is below 10% and should be changed immediately.

- **Inner Locking Position**
  - The inner mechanism used to engage front knob is driven by an internal gearbox. The gearbox position (locked or unlocked) is toggled via NFC reading, bluetooth application, by turning the inside knob, or by actuating the inside button. The gearbox will remain in whatever position last set by the user. The position of the gearbox sets the front knob to the locked or unlocked position.

- **Outside Knob**
  - The outside knob will be locked by the inner locking mechanism only when the inner mechanism is set to the locked position. The outside knob will remain locked or unlocked based on the toggle position.

- **Inside Knob**
  - By design the inside knob is free to move the latch open or closed at any time independent of the electronic state. By actuating the inside knob to the open position an electronic switch

will be activated notifying the electronics that the latch has been opened and the gearbox will be toggled to the "unlocked position" causing the outside knob to unlock.

- **Inside LED Indicators**
  - ○ The Inside LED's indicate the current toggle state of the inner locking mechanism. The inner locking mechanism controls if the outside knob is free to move or not. If the user presses the inside button the LED will indicate red if the outside knob is locked from turning. The LED will indicate green if the outside knob is free to turn.

- **Z-Wave Instructions**
  - ○ Adding The Doorlock to your Z-Wave network (Inclusion):
    - ▪ Prepare your Z-Wave controller to add a device to the network (refer to your controller's user manual.)
    - ▪ Push the Z-Wave button on The Doorlock. (See diagram for button placement.)
  - ○ Removing The Doorlock from your Z-Wave network (Exclusion):
    - ▪ Prepare your Z-Wave controller to remove a device from the network (refer to your controller's user manual)
    - ▪ Push the Z-Wave button on The Doorlock. (See diagram for button placement.)
  - ○ Factory Reset:
    - ▪ To reset The Doorlock's Z-Wave settings to their factory defaults, hold the Z-Wave button down for 5 seconds. (See diagram for button placement.)
    - ▪ The Doorlock will remove its connection to your network and clear all devices from its association group. The reset procedure should only be used when the primary controller is missing or inoperable.
  - ○ Association groups:
    - ▪ The Doorlock has one association group. Association Group 1 ("Lifeline") can contain up to 5 devices and sends the following reports:

      COMMAND_CLASS_DEVICE_RESET_LOCALLY : DEVICE_RESET_LOCALLY_NOTIFICATION
          Sent on factory reset.
      COMMAND_CLASS_BATTERY : BATTERY_REPORT
          Sends low battery notifications.
      COMMAND_CLASS_NOTIFICATION : NOTIFICATION_REPORT
          Sends ACCESS CONTROL notifications when the lock state changes.
      COMMAND_CLASS_DOOR_LOCK : DOOR_LOCK_OPERATION_REPORT
          Sent when the lock state changes.

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.
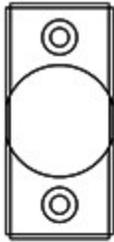
The Doorlock is a Security Enabled Z-Wave Plus device. To fully utilize all Z-Wave functions of The Doorlock, it must be used with a Security Enabled Z-Wave controller.
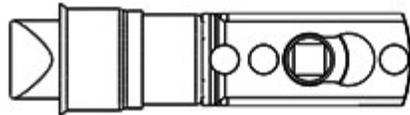
Quicklock THE DOORLOCK
BLUETOOTH + NFC
+ ACCESS CONTROL

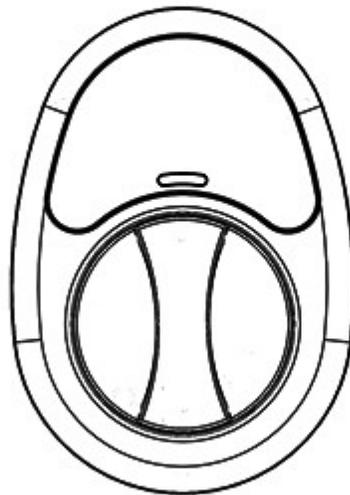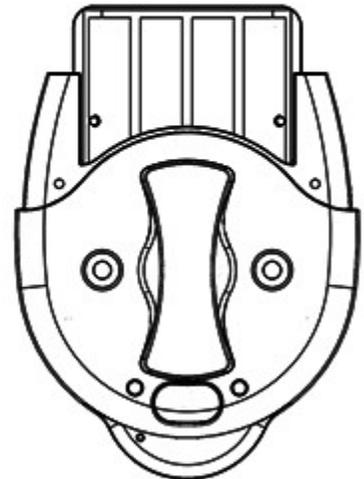## Installation   Instructions

Parts

Latch Plate

Latch

Battery Cover

Latch Shaft
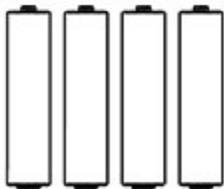
4X AAA Batteries
(Not Included)

Exterior Assembly
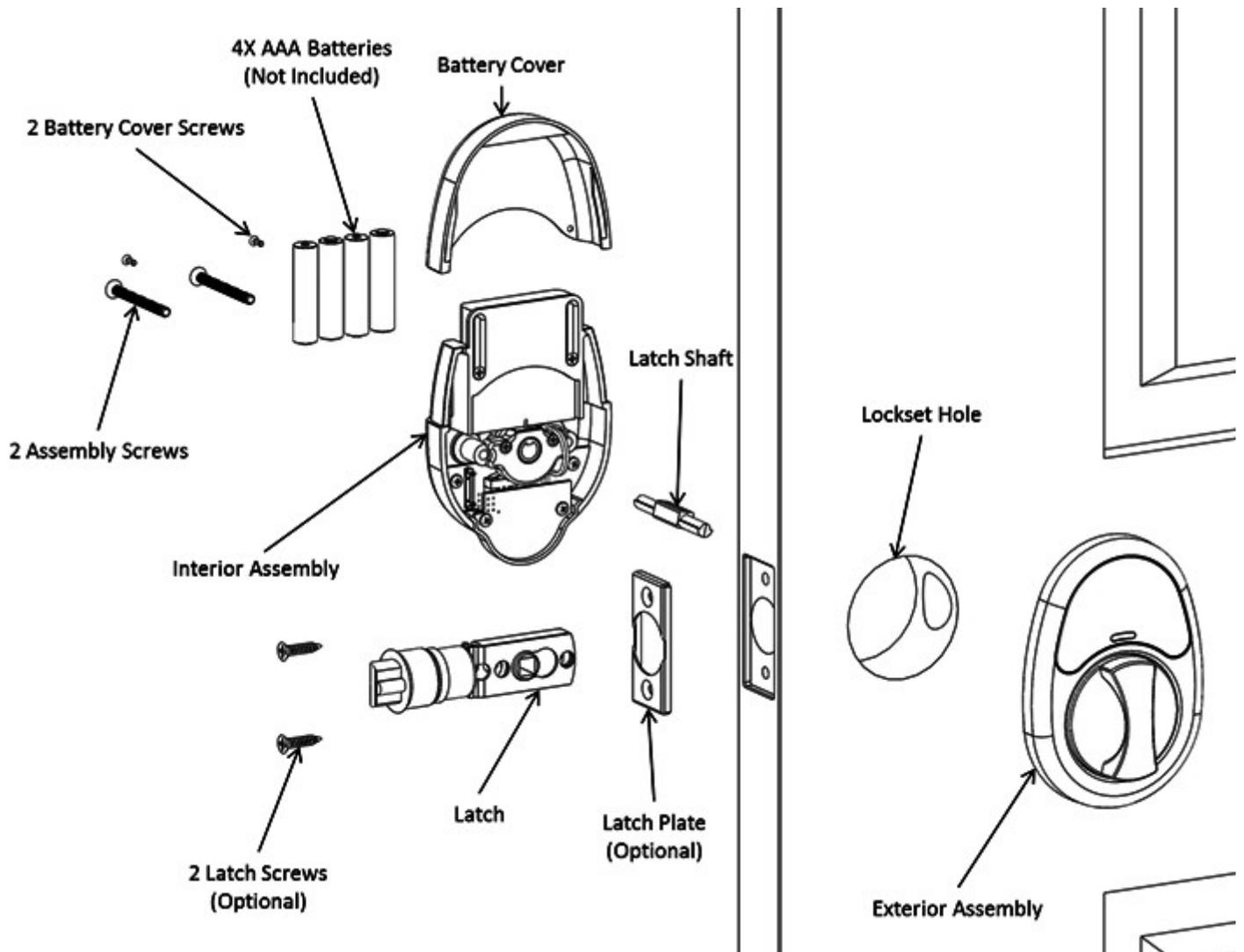
Interior Assembly

2 Latch Screws

2 Battery Cover Screws

2 Assembly Screws

Tools required for installation

- Standard Phillips screwdriver

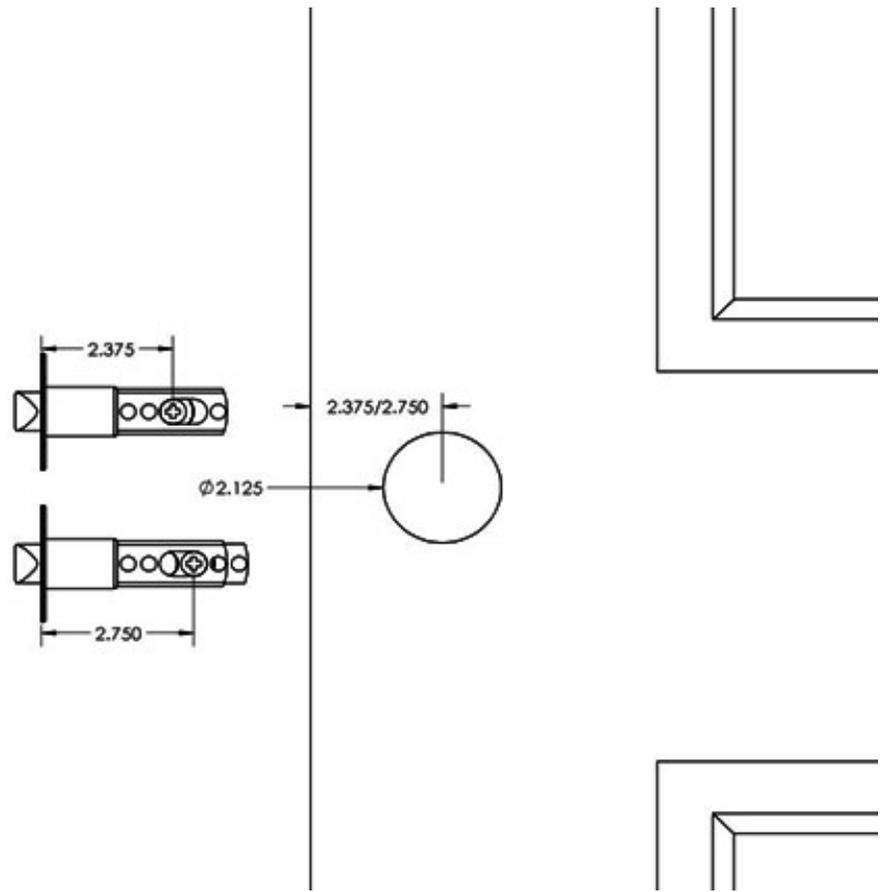- Hammer

Installation Exploded View

4X AAA Batteries (Not Included)

Battery Cover

2 Battery Cover Screws

Latch Shaft

Lockset Hole

2 Assembly Screws

Interior Assembly

Latch

Latch Plate (Optional)

2 Latch Screws (Optional)

Exterior Assembly

Installation steps

The Quicklock Doorlock is designed to be installed on any standard interior or exterior door. The lock is designed to work with any standard 2 1/8" (54mm) lockset hole. To install the Doorlock:

1. Determine the lock backset. The backset is the distance from the edge of the door to the center of lockset hole. Adjust the latch to the proper distance so it is aligned with the center of the lockset hole.

2. Determine the proper Latch Plate for your door. The available latch plates include Square Corners, rounded Corners and Round (No Latch Plate Installed).

3. Install the door latch in the door as shown below. Ensure the bevel of the latch assembly faces the door jamb. Make sure that the door latch is flush with the edge of the door when installed. A hammer and wood block may need to be used to get the latch flush if the fit is tight. Once the latch is in place, use the latch screws (when a latch plate has been installed) to secure the latch to the door.
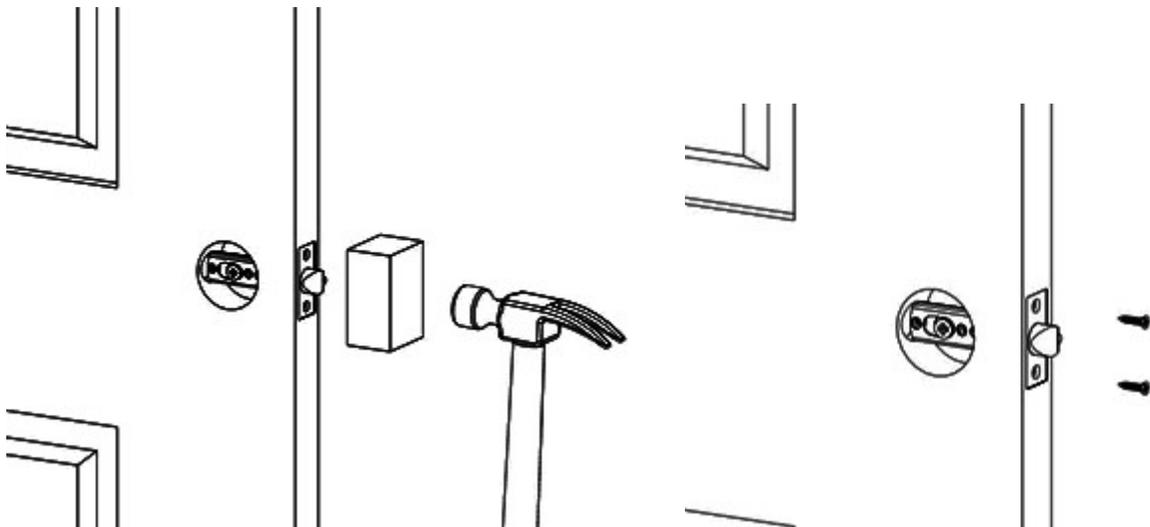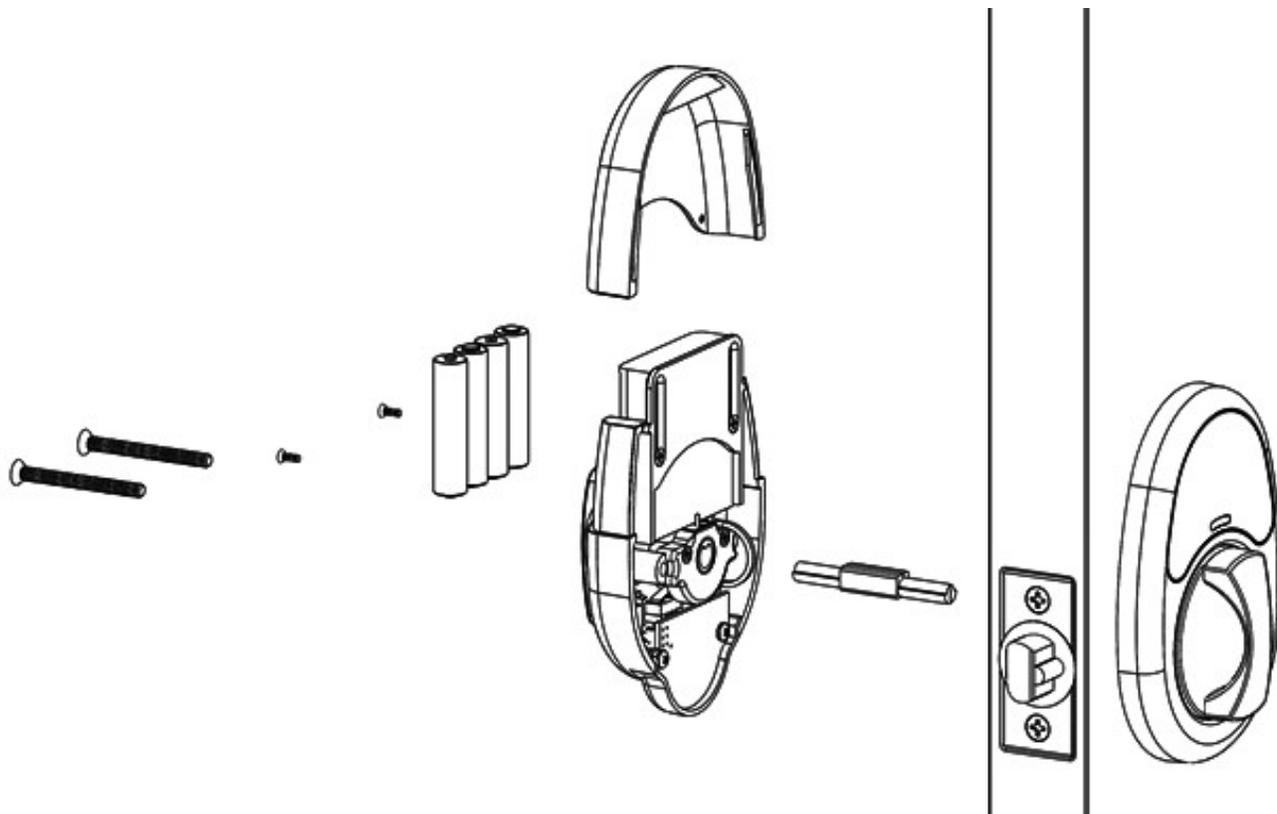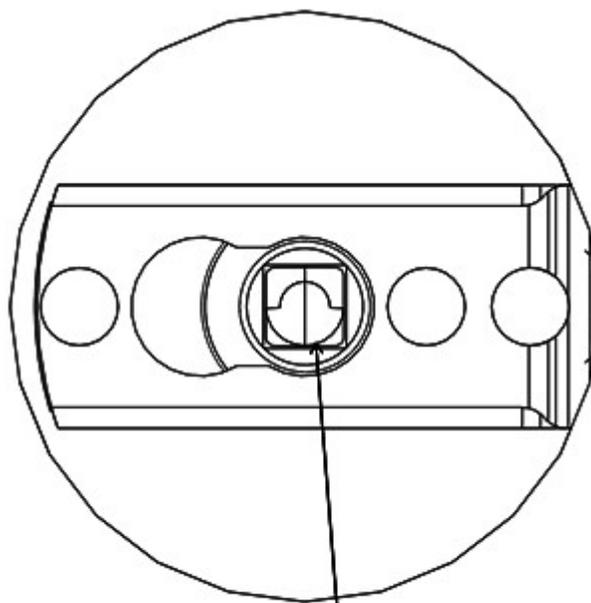

Fig. 2 Door latch installation

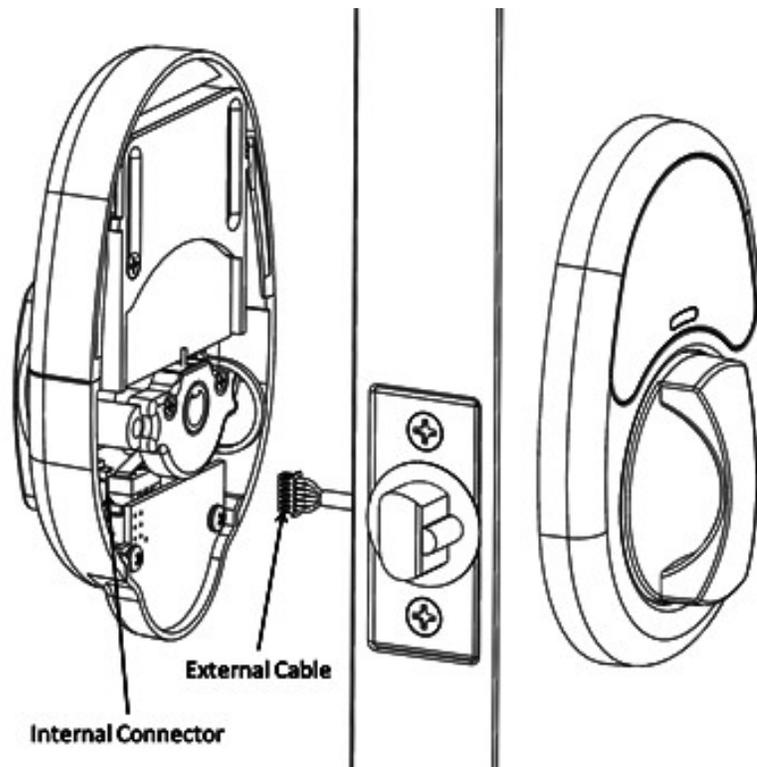4. Insert the exterior assembly into the lockset hole and hold in place.

5. Install the Latch Shaft with the larger diameter facing down.

Latch Shaft
Large Diameter Down

6. Attach cable from the exterior assembly to the interior assembly.

External Cable

Internal Connector

7. Install the interior assembly in to the lockset hole and insert screws. Make sure that the screws are aligned with the receiving bosses and hand-start the screws before tightening with a screwdriver.
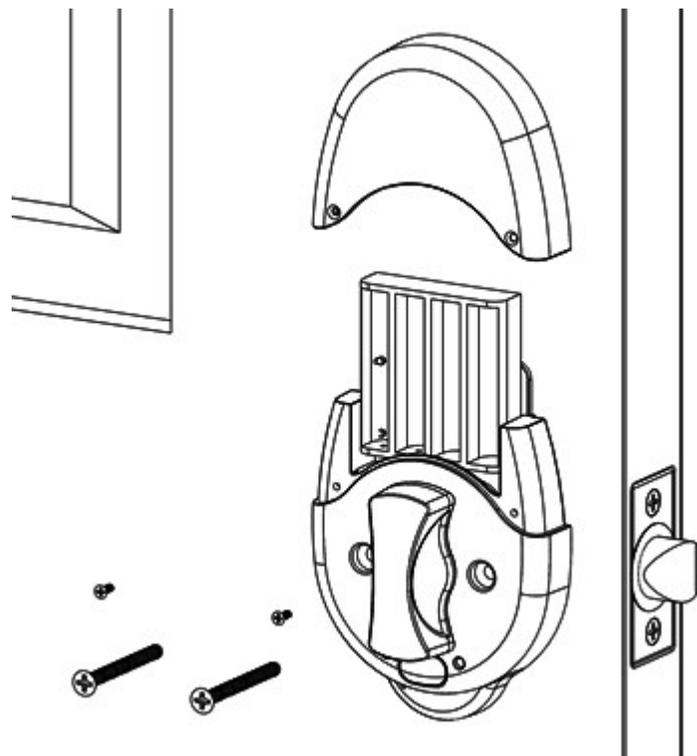
8. Install four AAA batteries in the battery compartment. Batteries should be oriented as shown.
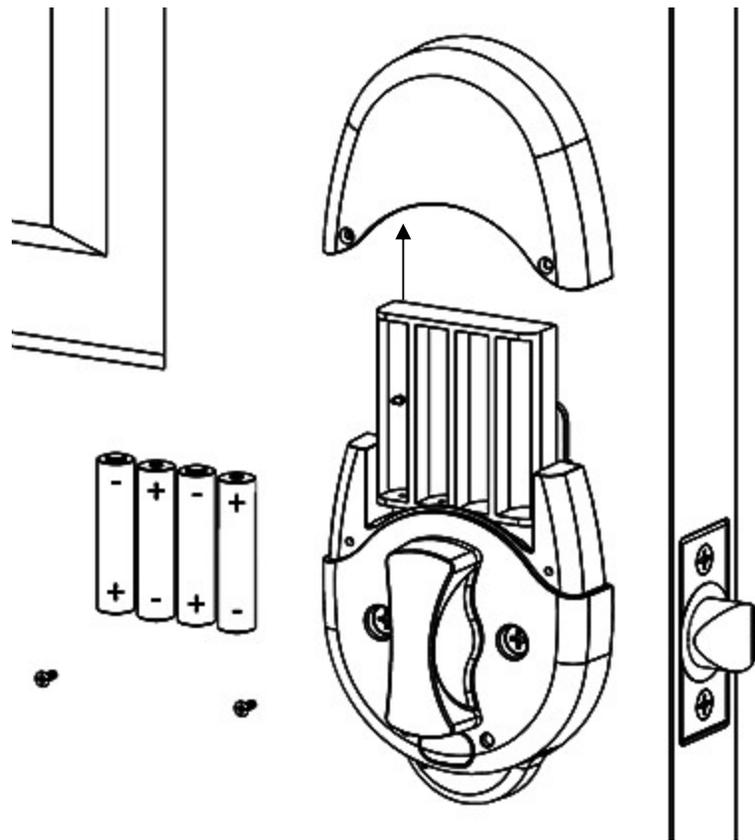
9. Push battery compartment down into the housing and slide battery cover over the batteries and screw into place.

LIMITED WARRANTY

The warranty obligations of SafeTech Products, LLC (SAFETECH PRODUCTS) for this product are limited to the terms set forth below:
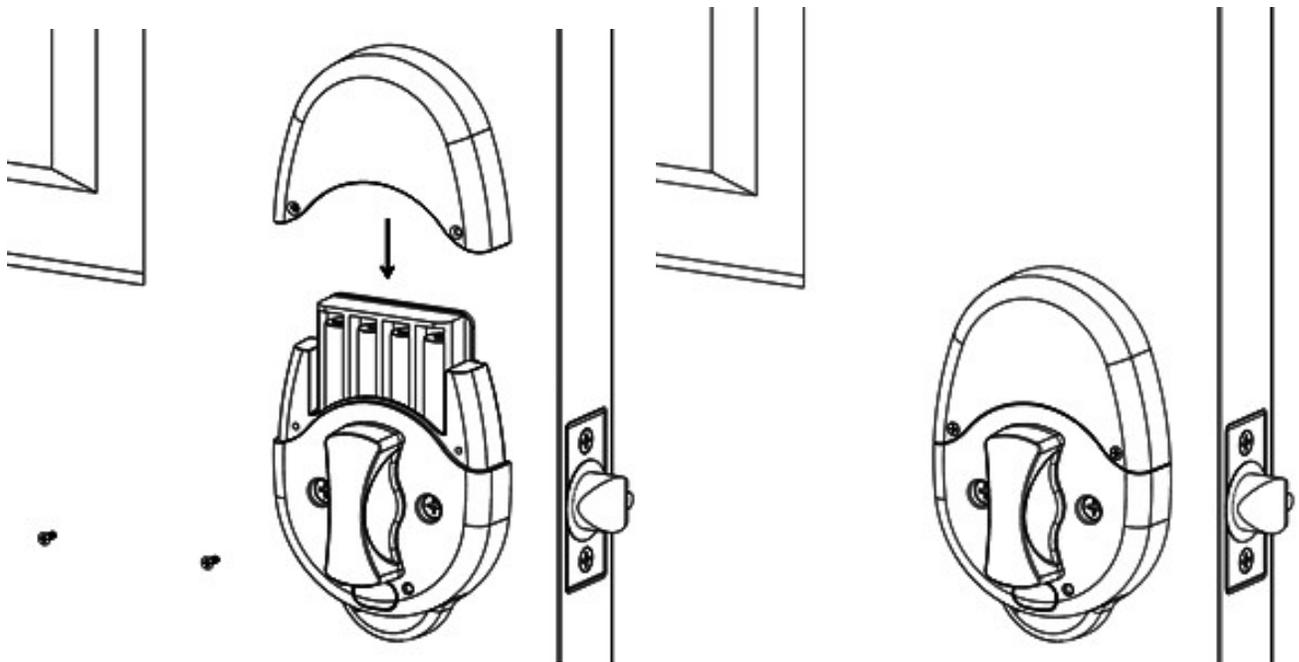
WHAT IS COVERED:

This limited warranty covers defects in materials and workmanship in this product.

WHAT IS NOT COVERED:

This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by SAFETECH PRODUCTS to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product.

Without limiting any other exclusion herein, SAFETECH PRODUCTS does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

LENGTH OF COVERAGE:

This limited warranty lasts for one (1) year from the date of original purchase of this product.

WHO IS COVERED:

Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

WHAT SAFETECH PRODUCTS WILL DO:

SAFETECH PRODUCTS will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. SAFETECH PRODUCTS will also pay the shipping costs necessary to return this product once the repair is complete.
2. Replace this product with a direct replacement or with a similar product deemed by SAFETECH PRODUCTS to perform substantially the same function as the original product.
3. Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

WHAT SAFETECH PRODUCTS WILL NOT DO:

If this product is returned to SAFETECH PRODUCTS or the authorized dealer from which it was purchased or any other party authorized to repair SAFETECH PRODUCTS products, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned uninsured, you assume all risks of loss or damage during shipment. SAFETECH PRODUCTS will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. SAFETECH PRODUCTS will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

HOW TO OBTAIN A REMEDY UNDER THIS LIMITED WARRANTY:

To obtain a remedy under this limited warranty, you must contact either the authorized SAFETECH PRODUCTS reseller from whom you purchased this product or the SAFETECH PRODUCTS office nearest you. For a list of authorized SAFETECH PRODUCTS resellers and/or SAFETECH PRODUCTS authorized service providers, please visit our web site at www.safetechproducts.com or contact the SAFETECH PRODUCTS office headquarters. In order to pursue any remedy under this limited warranty, you must possess an original, dated receipt as proof of purchase from an authorized SAFETECH PRODUCTS reseller. If this product is returned under this limited warranty, a return authorization number, obtained from SAFETECH PRODUCTS, will be required. You may also be directed to an authorized reseller or a person authorized by SAFETECH PRODUCTS to repair the product. If it is decided that this product should be returned directly to SAFETECH PRODUCTS, this product should be properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization number will be refused.

LIMITATION ON LIABILITY:

THE MAXIMUM LIABILITY OF SAFETECH PRODUCTS UNDER THIS LIMITED WARRANTY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID FOR THE PRODUCT. TO THE MAXIMUM EXTENT PERMITTED BY LAW, SAFETECH PRODUCTS IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY. Some countries, districts or states do not allow the exclusion or limitation of relief, special, incidental, consequential or indirect damages, or the limitation of liability to specified amounts, so the above limitations or exclusions may not apply to you.

EXCLUSIVE REMEDY:

TO THE MAXIMUM EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. TO THE MAXIMUM EXTENT PERMITTED BY LAW, SAFETECH PRODUCTS SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF SAFETECH PRODUCTS CANNOT LAWFULLY DISCLAIM OR EXCLUDE IMPLIED WARRANTIES UNDER APPLICABLE LAW, THEN ALL IMPLIED WARRANTIES COVERING THIS PRODUCT, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THIS PRODUCT AS PROVIDED UNDER APPICABLE LAW. IF ANY PRODUCT TO WHICH THIS LIMITED WARRANTY APPLIES IS A "CONSUMER PRODUCT" UNDER THE MAGNUSON-MOSS WARRANTY ACT (15 U.S.C.A. §2301, ET SEQ.) OR OTHER APPICABLE LAW, THE FOREGOING DISCLAIMER OF IMPLIED WARRANTIES SHALL NOT APPLY TO YOU, AND ALL IMPLIED WARRANTIES ON THIS PRODUCT, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE PARTICULAR PURPOSE, SHALL APPLY AS PROVIDED UNDER APPLICABLE LAW.