

Components

Little Black Box Decoder



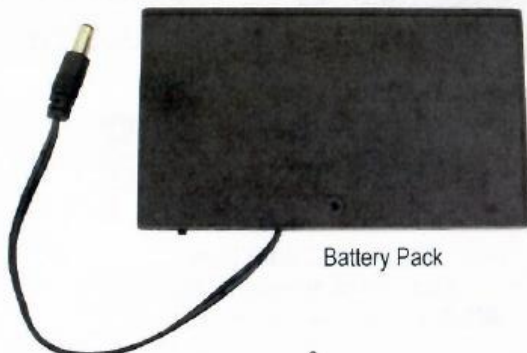
SG Module



LG Module



Battery Pack



Step 1. Connect the battery pack to the device.

Within a few seconds it should boot up and prompt for a security code. *Call to receive your default code.*

Step 2. Enter this code and press the "Done" button.

The bottom of the screen shows the usage count, serial number, and battery voltage. By keeping track of the usage count, you can make sure nobody is "borrowing" the tool.

NOTE: Battery voltage should ideally be above 10V. The device can decode locks at battery levels below this point, but may not be able to drive the lock motor or solenoid with sufficient vigor to open the lock.

Enter code:



Usage count: 43
Serial: 8296-2592
Battery: 11.45V

After entering the security code, the screen to the right should be presented

Step 3: Touch the "Set Passcode" button in order to change the security code.

You will be prompted to enter the new code, and to verify that code (enter it a second time). The code must be at least six digits long.

There are two plug-in modules. One is for S&G 6120 locks, the other is for LaGard Basic or 33E locks, Safeguard 3600, 3650 and LGCombo Locks. LaGard locks manufactured after December 31st, 2013 are of a different design, and cannot be opened with this tool.

Version 1.0

Please connect a module.

Set Passcode

Usage count: 44
Serial: 8296-2592
Battery: 11.45V

Step 4 Follow these steps to open a lock:

- Remove the keypad from the safe, in order to gain access to the lock 4 pin cable coming from lock & unplug from keypad.
- Connect the lock cable to the plug-in module.
- Connect the plug-in module to the Little Black Box.

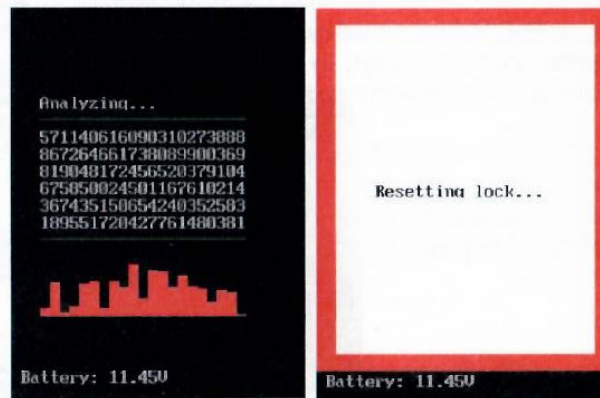
The screen to the right should be presented, as the decoder acquires data from the lock:

Acquiring data.
[0/1]

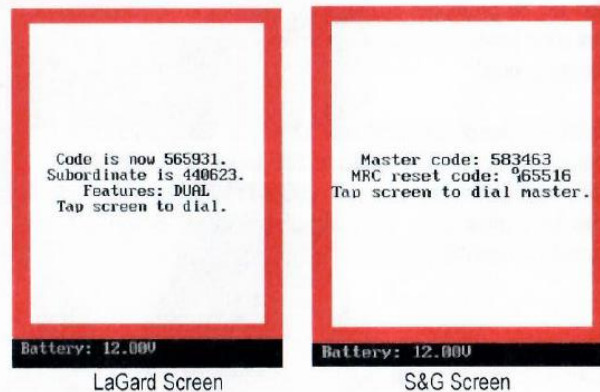
Battery: 11.45V

After data has been collected, it will be analyzed:

This acquire and analyze cycle will repeat several times, taking approximately 15 minutes. If the lock is successfully decoded, it will be reset.



After resetting, the new code is displayed. This is not the same as the code that was originally on the lock.



IMPORTANT LaGard Information

For LaGard 33E, Safeguard 3600, 3650 Locks the following feature settings may be displayed: MANAGER (Manager can add second user), OVERRIDE (Subordinate can override time delay), DUAL (both codes needed to open) ALARM (silent alarm), REMOTE (remote override). If DUAL mode is enabled, both the Master and Subordinate codes are displayed. Refer to the 33E, Safeguard 3600, 3650 operating instructions for details on these modes.

IMPORTANT S&G Information

For S&G 6120 locks the Master reset codes (MRC) is displayed, if it present. At least one of the digits of the reset code will consist of a chord: the 0 and 1 keys must be pressed simultaneously. Refer to the S&G 6120 operating instructions for details on reset codes. A S&G keypad is required to dial master reset code.

Step 5 - Dial the Code: Tap anywhere on the screen to dial this code. The code is dialed and within a few seconds the lock should open. If the mechanical portion of the lock is working properly.

If time delay is active - After tapping the screen the time delay screen will be presented. The screen will display the time delay count down. Once the time delay has counted down the screen will display the combination or combinations if lock is in dual mode, then it will dial the combination or combinations and open the lock. You will have to turn safe handle when the Little Black Box says lock is open or you will have to dial the combination again and wait for delay period again.

PLEASE NOTE: Record Combination before disconnecting the module from the Little Black Box.

Step 6 - Disconnect Little Black Box VERY IMPORTANT

- Disconnect the Plug-In Module from the Little Black Box Decoder
- Disconnect the Battery Pack from the Little Black Box Decoder

It is important to not disconnect the battery pack while the lock is still connected to the decoder. Some locks have an internal assist battery, which will inadvertently feed power into the decoder device if the battery pack is disconnected first.

How to Identify if you have an S&G 6120 lock.

Press * 8 #, listen for lock response

6120 = No response, or single low beep, or 2 low beeps



Tips

This is a precision instrument that makes very fine measurements. As such, it can be affected by interference from nearby electronic devices. In particular, compact fluorescent lamps (CFL) can interfere with the ability to decode locks.

Avoid exposing this device to static electricity.

This device can be used with rechargeable batteries. Since they are of lower voltage, the device will indicate that the battery is low. But it will still function properly. It is recommended to use the new Low Self-Discharge type of batteries, which can keep their charge even after being stored for a year.

This device can decode locks even when the battery level is as low as 7V. But such operation is not recommended. In particular, such low voltage may not deliver sufficient power to the lock to successfully drive the motor or solenoid. Also, there is not much left in the batteries at this point and they will not last much longer.

Some LaGard locks can be connected to an assist battery. If you plug the decoder into such a lock, without a battery pack connected to the decoder, then the lock will feed power into the decoder and power it on. Such use is not recommended and could damage the device.

Legal

This device makes use of open source software, available under various licenses such as the GNU General Public License, the MIT license, and the BSD license. Full text of these licenses is available on the SD card in the device. Source code for these programs is available upon request.

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For Mechanical Locks The New QX3 Combi



The QX3 Combi is a super fast automatic safe lock dialer for 3 and 4 wheel combination locks. The dialer has been developed on a current Android platform that runs on a tablet. The interface is easy to use and very simple for the user to setup.

Features include:

- Android app-based user interface
- Faster installation
- More flexible dialing
- 3 or 4 wheel lock
- Faster dialing (approximately 13 hours)
- More dialing torque
- Software driven dial synchronization
- User defined list of try-out combinations
- Table of lock set-up parameters
- Stored default parameters
- Toggle on/off lockable screen with password
- Toggle on/off scramble combination after opening
- Email notification of dialer status with Wifi availability

The QX3 COMBI includes case with hardware, Android tablet with software, and instructions. Part No. LKMCOMBI