

Lizard Standalone Mode Guide Version 1.0:

SECTION 1. DESCRIPTION

The standalone Mode in Lizard will allow you go totally on the road, without having to carry a computer with you. The wiring for it is simple without hassle. After your job is done and you are back at your office, you can just backup your on-the-road jobs to your Computer.

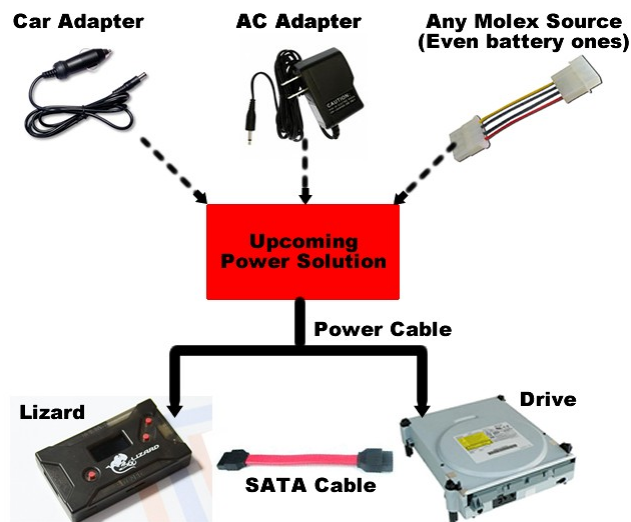
Currently the Standalone mode support all Phat Liteons and Slim Liteons (9504). For the rest of the drives the functionality will be added in the next weeks. The current Standalone method support spoofed drives (if your drive is already spoofed it will preserve the spoof). Also supports flashing your drive as original or as custom firmware so you can use it for restore or to replace a dead drive for a replacement drive.

The Standalone Mode on Lizard use the Internal Flash (non-volatile) for storage of up to 16 slots (can be expanded to 64 on later firmware versions). Those slots will hold the data (key, inquiry, etc) read from a drive even when you unplug it, so you can do the Read of a drive and use a Slot to store it and later backup to a physical file on your PC.

The same slot can be used as the source of the Write, that means you can flash a drive totally on the go using a Slot as base of the data (key, serial, etc). The whole flashing procedure also require a Micro SD card (SD or SDHC) to be used as source of the data for flashing. This Micro SD can be almost anything you have available.

For a Flashing on-the-go you still need a way to power the Optical Drive and the Lizard, so far you just have used your PC to do it. Please read the Sections below to see how you can setup you own on-the-go kit.

A professional power kit will be available soon directly from Team Maximus, but you don't need to wait to start enjoying the on-the-go flashing.

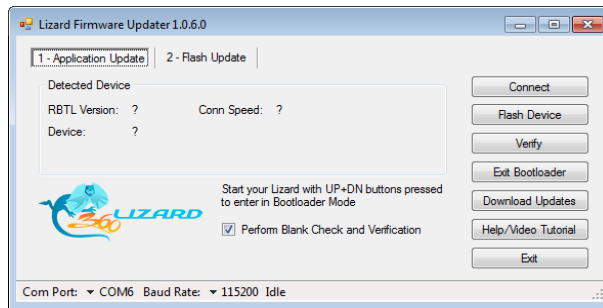


SECTION 2. SETUP

STEP 1.- UPDATE TO LATEST GECKO OS

a) Follow the instructions on the manual to update to latest Gecko (1.11 released at the time of this document). To get the Firmware update application please visit our download page here:

<http://360lizard.com/website/downloads.php>



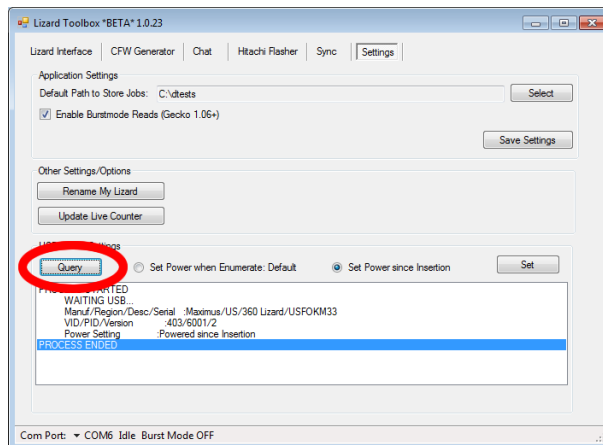
Note: * Remember update both the application and the flash

STEP 2.- GRAB LATEST TOOLBOX.

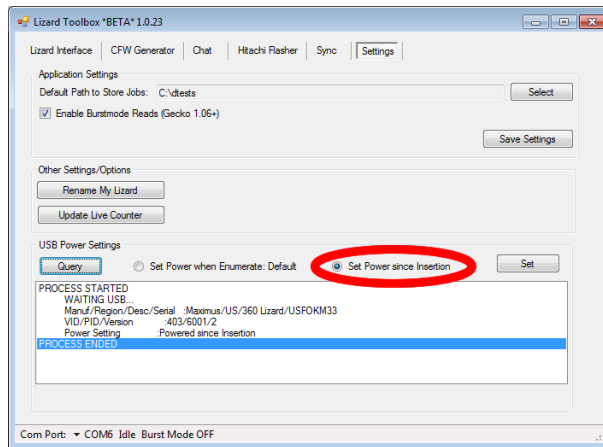
- ◆ Go to download page of the Lizard website: <http://360lizard.com/website/downloads.php> and grab the latest Toolbox (Version 1.23 is available at the time of this document).

STEP 3.- Configure USB Power on Lizard

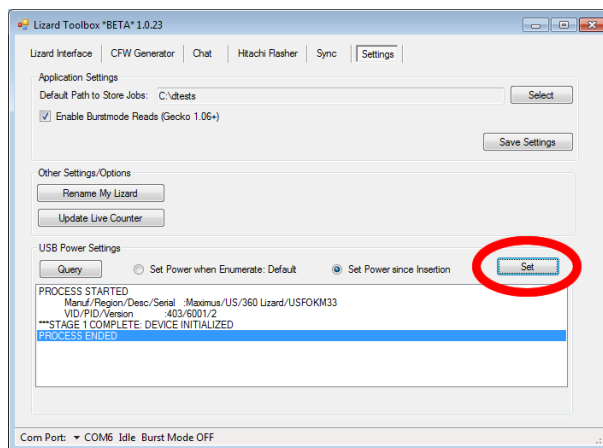
- ◆ Open the latest Toolbox and go to Settings (make sure your lizard is plugged to usb)
- ◆ On the USB Power Settings box, click on Query, this will detect your device and show the current usb power configuration



- ◆ Change the Option to “Set Power since Insertion”

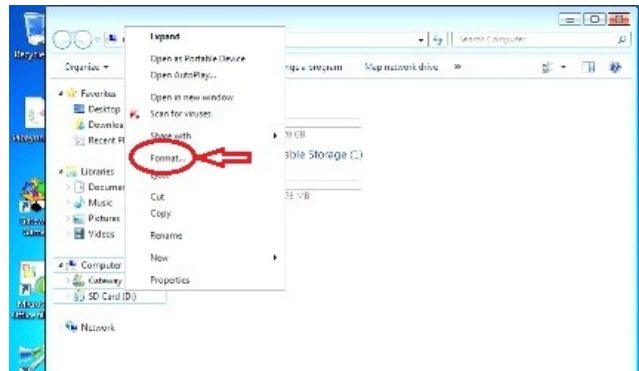


- ◆ Click on the “SET” button, with this now your lizard can now be powered from any usb supply (i.e. Iphone, Ipod, and many other ac-to-usb adapters)



STEP 4.- PREPARE SD CARD TO USE WITH LIZARD

- ◆ Take a Micro SD card preferable clean (If the Card is not clean its strongly recommended you format it (Normal Windows Format with the default settings). Don't worry about the size, we will use a small portion of the card.

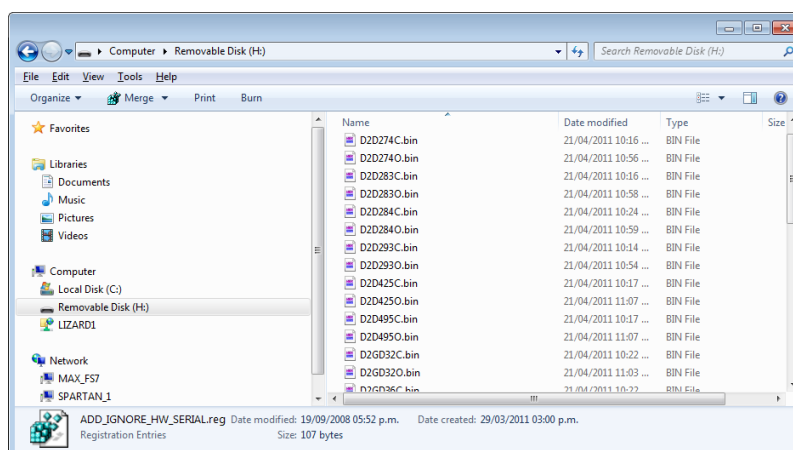


- ◆ Go to this Link and download the latest SD File pack and unzip it on the root of the Micro SD card: <http://cfwfilesset.blogspot.com/>

Latest Filesets:

Name	Date	Download Link	Description
SD File Pack 1.1	05-May-2011	Download	SD File Pack for Lizard Standalone Mode
LTPlus 1.1	08-Apr-2011	Download	LTPlus 1.1 cfw templates for all drives Include support for 9504 Slim Drives
Originals	08-Apr-2011	Download	Original fw templates for all drives. Include support for 9504 Slim Drives

Your Micro SD card structure should look like:



- ◆ Insert the Micro SD card on the Lizard slot



- ◆ Connect lizard (or reconnect if its already connected) and verify you can see the SD Icon logo on the upper part of the menu screen



Note: Most of SD / SDHC cards must work, if you have troubles getting detected try formatting it or try another card.

SECTION 3.- Powering up stuff in standalone Mode

We will offer a simple power solution for Powering both the Lizard and the Optical drive, this new item will be announced in the following days, meanwhile you don't have to wait. To use the Standalone Features we are providing you with the recommended way to power up both the Lizard and the Optical Drive.

- ◆ Powering the Lizard.- To power the lizard you can use any USB adapter out there, you can use a car-to-usb adapter or an AC-to-USB adapter (like the ones used for mobile phones).



- ◆ Powering the Drive.- To power the drive you can use any Molex supply, there are already out commercial solutions for AC-to-Molex, even exists battery powered solutions.



SECTION 4.- WORKING STANDALONE

This document is not a tutorial, but will guide you through the basics steps of doing your on-the-road jobs. Also as reference we offer you the 3 videos that we posted as preview of the Standalone Mode:

Video 1: <http://youtu.be/44Ji9rLPyL8>

Video 2: <http://youtu.be/QGp3qgei-l4>

Video 3: <http://youtu.be/2HTH2ZruKRQ>

PART 1. Reading a Drive with Standalone Mode

The standalone mode covers all Phat and Slim 9504 drives. The procedures you must select in Lizard to read in Standalone Mode are:

- Slim Liteon->Get key
- Liteon->Read Key with Scorpion (recommended as works with all Phat liteons)
- Liteon->Read Key with LO83 (works with 83850V1 drives only)
- Liteon->Serial Key Read (works with 74850 drives only)

The procedure to retrieve the Drive details with any of the above procedures is the same, but at first stage you will be asked to select the Storage:



If you Press ENTER to choose PC then the procedure is same as previous Gecko OS versions by doing a file read being sent directly to your PC.

If you Press the UP button then you will choose to store the data on the built in Flash Memory. After you select this option a Slot Browser selector will appear, so you can select the Slot where you want to save your Read files:



At the bottom of the screen you will see if there is a free slot or if it already contain some data as seen on the above photo. You can navigate to the desired Slot with the UP or DOWN buttons and when you want to select a Slot just click Enter.

CAUTION: YOU CAN ACCIDENTALLY OR PURPOSELY OVERWRITE A PREVIOUS SAVED SLOT BUT MAKE SURE YOU HAVE IT BACKED UP FIRST. (SEE BACKUP TO YOUR PC LATER ON THIS GUIDE). IN CASE YOU TRY TO OVERWRITE A BUSY SLOT MULTIPLE CONFIRMATION SCREENS WILL APPEAR AS PROTECTION.

As soon as you choose a Slot, the Input Text screen will appear, this is for asking a name for the Job, this name is usually the Serial of the Console but in the end is up to you to use whatever name you want to identify the Job later when you are sending it to your PC.



The text entry is tricky but you get used to it Really soon, since lizard has 3 buttons all of them have a special meaning on the Text Entry:



- ◆ **ENTER BUTTON (Single Short Press):**
Will accept the current character displayed and jump to next character entry.
- ◆ **UP BUTTON (Single Short Press):**
Will scroll the cursor to the next selectable character
- ◆ **DOWN BUTTON (Single Short Press):**
Will scroll the cursor to the previous selectable character
- ◆ **DOWN BUTTON (Long Press):**
Will act as “backspace” deleting the current character and jumping to the previous character on the entry.
- ◆ **UP BUTTON (Long Press):**
Will act as a Cancel edition, it will end the Text Entry but with cancel code.
- ◆ **ENTER BUTTON (Long Press):**
Will end the Text Entry and will accept the current displayed text

After you end typing the Job Name just hold Enter button (Long press) till you see a “>” character, that will end the edition and continue with the Read procedure.

As soon as the Job name entry is completed, the procedure to read the drive will continue, just follow on screen instructions. At end of a valid read you will see the screen "DATA STORED"



As soon as you see the screen your drive details are safe and stored on the Flash (the internal flash not the sd card), so you can later backup to your PC or use them as base to Flash your drive.

Part 2. Flashing a Drive in Standalone Mode.

Flashing a drive in Standalone Mode is very easy and fast. It also offer you the option to flash a drive with Original or with Custom Firmware. It also can be used to easily replace a defective drive for a new one. For example if you Read drive "A" (old drive) but flash over drive "B" (the new drive).

The Standalone Flashing procedure automatically handle the spoofing of a drive (if your drive is already spoofed) this means if you are flashing a drive that is already spoofed the spoof will be preserved after flashing. This will avoid you got weird errors on older dashboards.

To flash a drive in Standalone Mode (currently supported Phat Liteon and Slim Liteon) you need to follow the same flashing procedures as the current method. It means first you need to put the drive in MTK or Vendor Mode. Please note the Phat liteon drives only enter in vendor mode after they have been erased, so make sure you do the Read first and have the data stored to one of the Slots.

As soon as you have your drive in MTK or Vendor Mode go to the Write Option and then you will be prompted again to select the storage that will provide the Flashing data.



If you Press Enter then you choose the PC method and the procedure will continue as has been doing with you requiring to send the file over the PC at some time.

If you Press the UP button, then you choose the Flash as source, that means that the Standalone Mode will be used to flash your drive. As soon as you choose Flash, a screen asking for the Slot being used as source will appear:



Please select the Slot that you created when you Read the drive as source of the flashing. Remember the slot you choose contain the keys and details that will reside on the drive after flashing.

After you choose the Slot, a message will appear asking if you want to flash a Custom Firmware or Original firmware.



As soon as you choose the Firmware type, the procedure to flash the drive will be automatic, at the very end of the procedure you will get a message saying "Key Validated" that means the drive is properly flashed and the key has been verified to be correct.

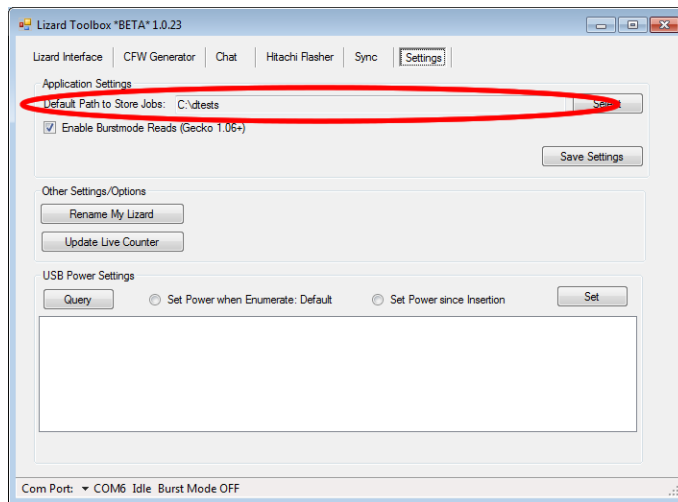


Part 3. Backup your Slots to the PC.

After you end your day or when all the Slots on Lizard are full, you might want to transfer all data to your computer for more permanent Storage. This is done easily with the latest Toolbox application (Version 1.23 at the time of this writing).

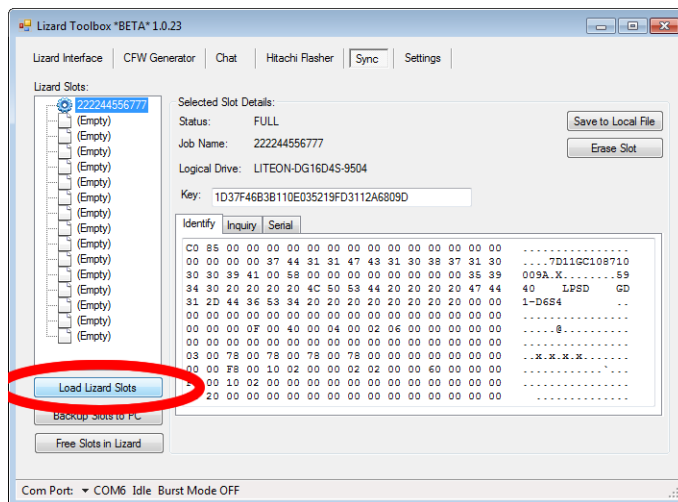
All you need to do is plug your Lizard to your computer and launch Toolbox. Make sure the proper COM port is chosen, you can verify it easily with the Get Device Details button on the front page of the application.

Before proceeding to Backup your Slots its recommended you go to the Settings Tab and set the default Job folder, that will be the base folder where all the Jobs will be backed up. (Every job will have his individual folder inside that base folder).



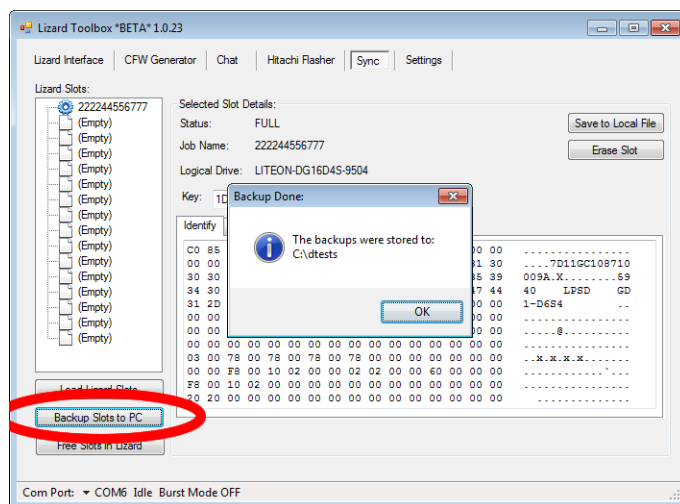
Remember click on **SAVE SETTINGS** after you set the default directory.

Go to the **SYNC** tab and click on “Load Lizard Slots” button, this will read the Slots from the Lizard and display on the tree-view on the screen.

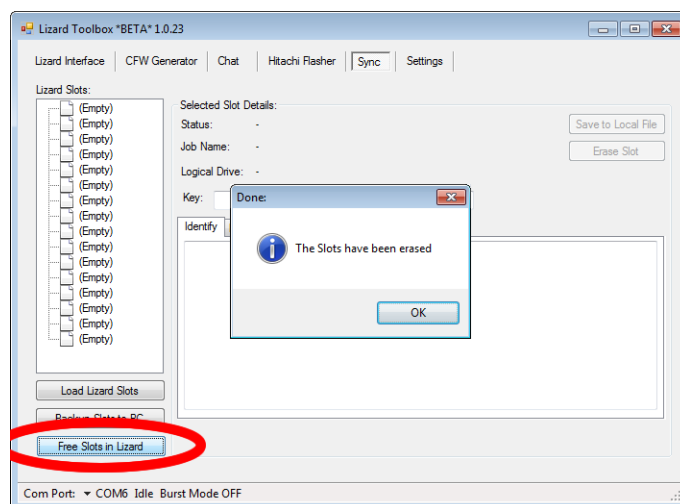


If you click over an item you can see the full details as key, serial, inquiry, etc. This is just informative.

After Slots are loaded you can Back up to your PC with the “Backup Slots to PC” button. Please note this button will create a Folder with the Job name of each job. The path where the folders will be created can be Set on the Settings page. Please note if a folder already exists on that folder with the same Job name it will prompt you to overwrite.



After slots have been properly backup you might want to erase them from the Lizard to free up space, you can erase one by one or you can Free (Erase) all Slots in one step (Make sure you run the backup first).



Done, if you navigate to the Folder that you set as Default you will find the Folders created for each job.