

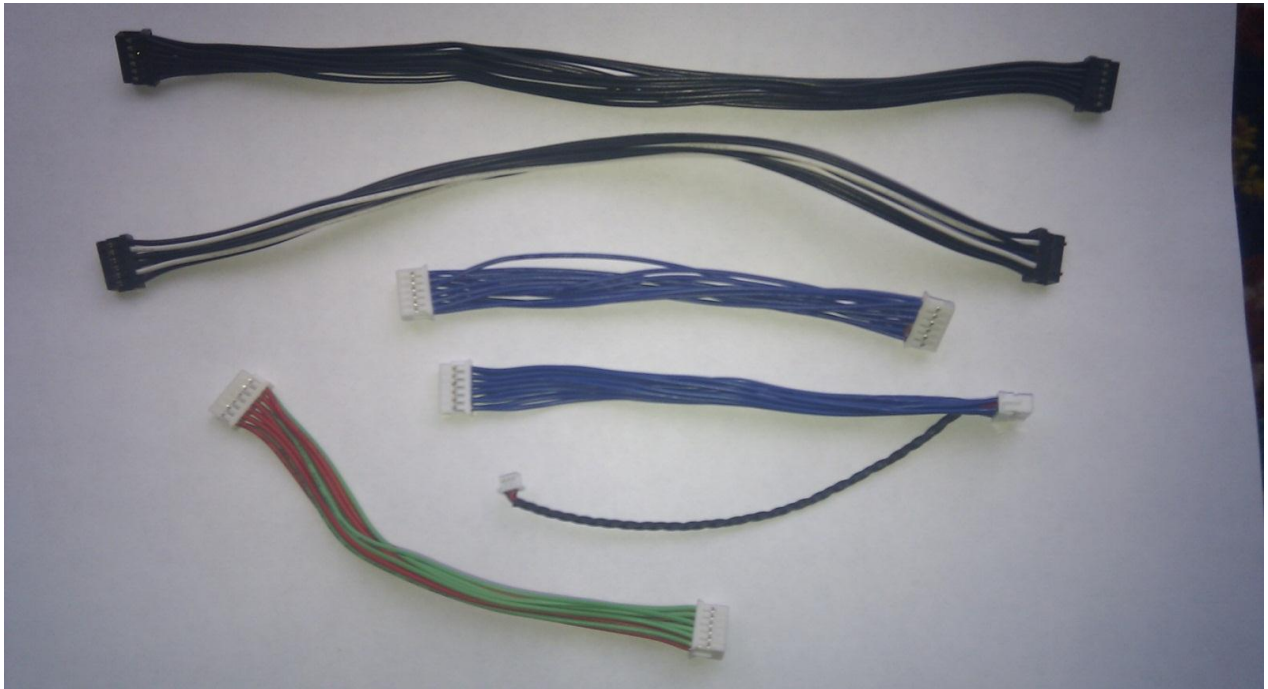
## **POGO MO THOIN – USING JUNGLEFLASHER 0.1.79 Beta**

First of all you need to create your PMT Probe. This requires, basically 3 items

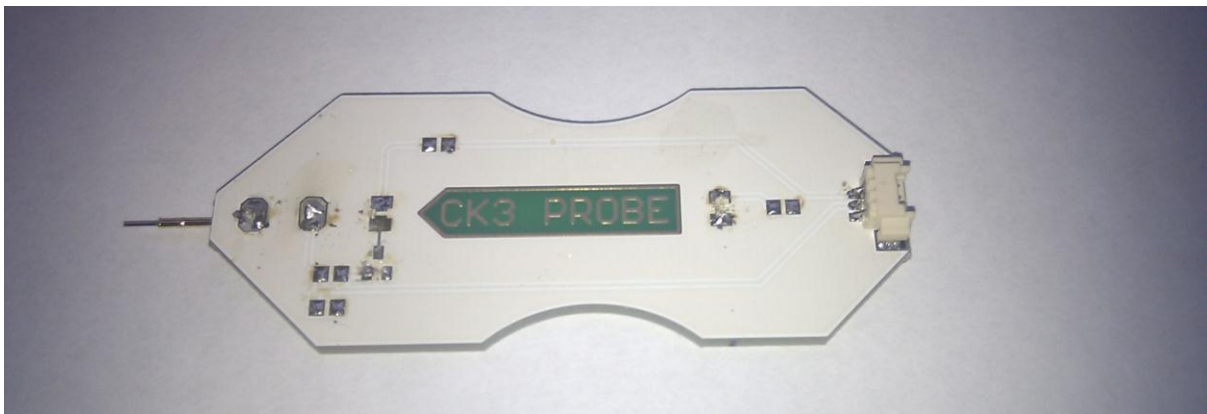
1. A Electrolytic Capacitor 1.0F 2.5v



2. Your drive power cable (maybe some spare wires too)



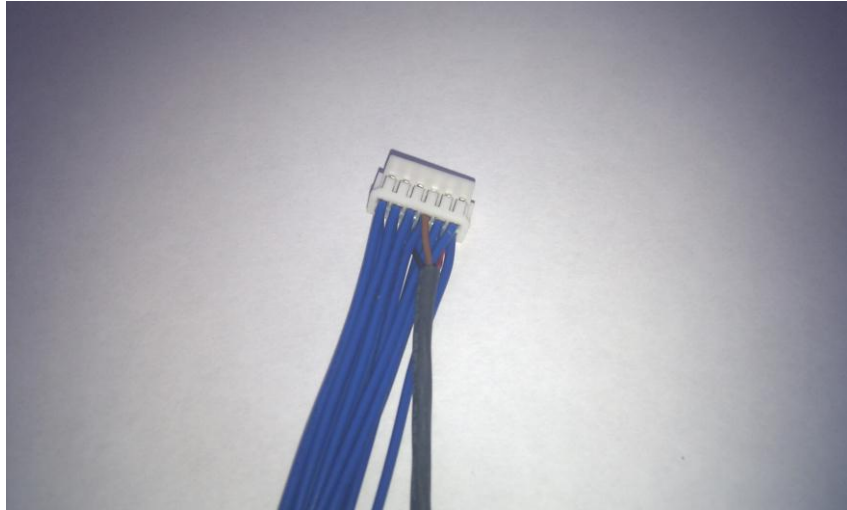
3. A probe (could be a pin – just something solid you can probe with)



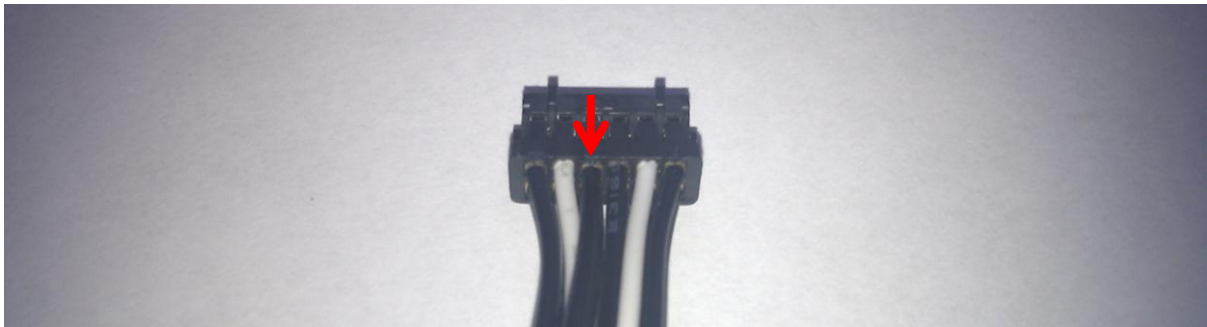
On this one, I knocked of all the surface components with my soldering iron  
(we are only interested in the pin itself)

## **Building your PMT Probe**

These pre-wired probe cables that come with CK Probe 1 & 2 are ideal as they already have the cables spliced into the main cable



If not you will need to splice 2 cables into your main loom

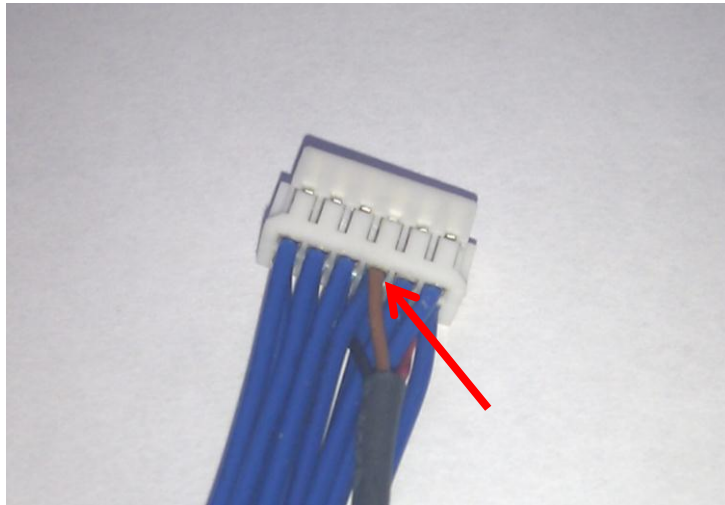


With the plug upwards (notice the pegs on top) the indicated cable is GND. The one directly below it is 3.3V.

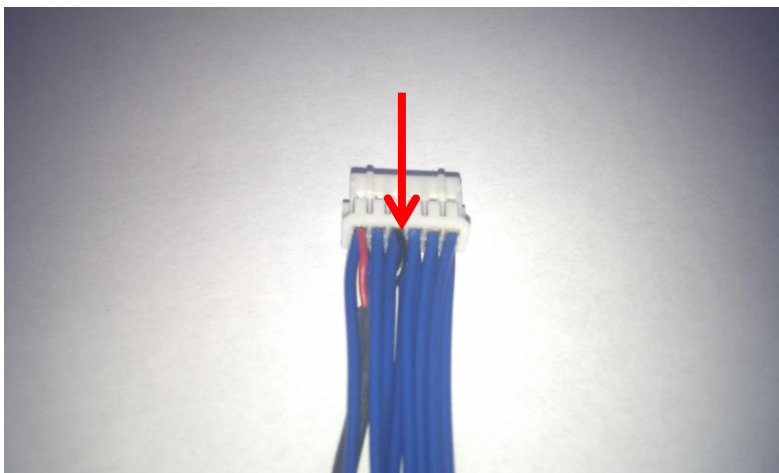
If you are splicing into one of these cables attach a BLACK cable to GND

And a RED or BROWN cable to the cable below it.

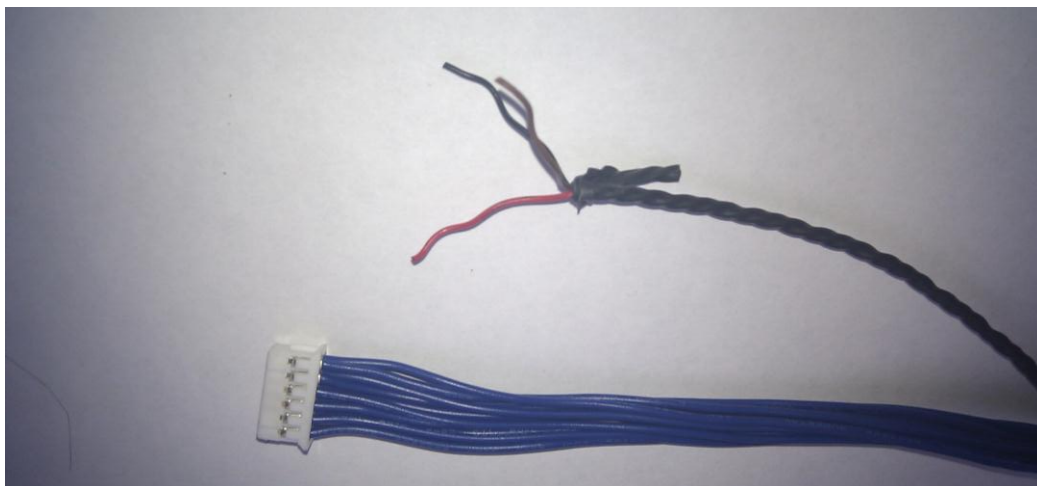
As you can see this cable (CK one) has 3 cable already attached – **please note this plug is upside down in comparison to previous picture.**



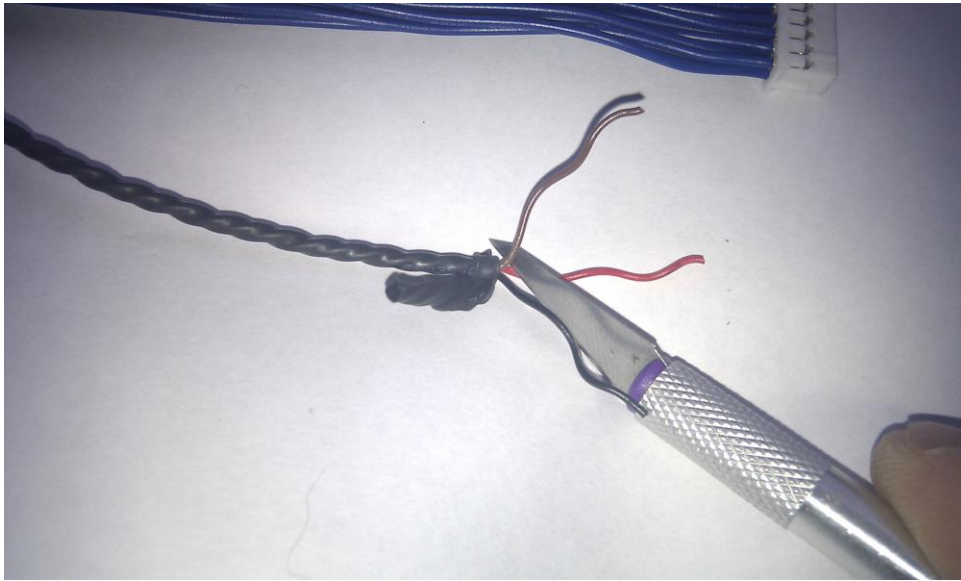
This one is upwards



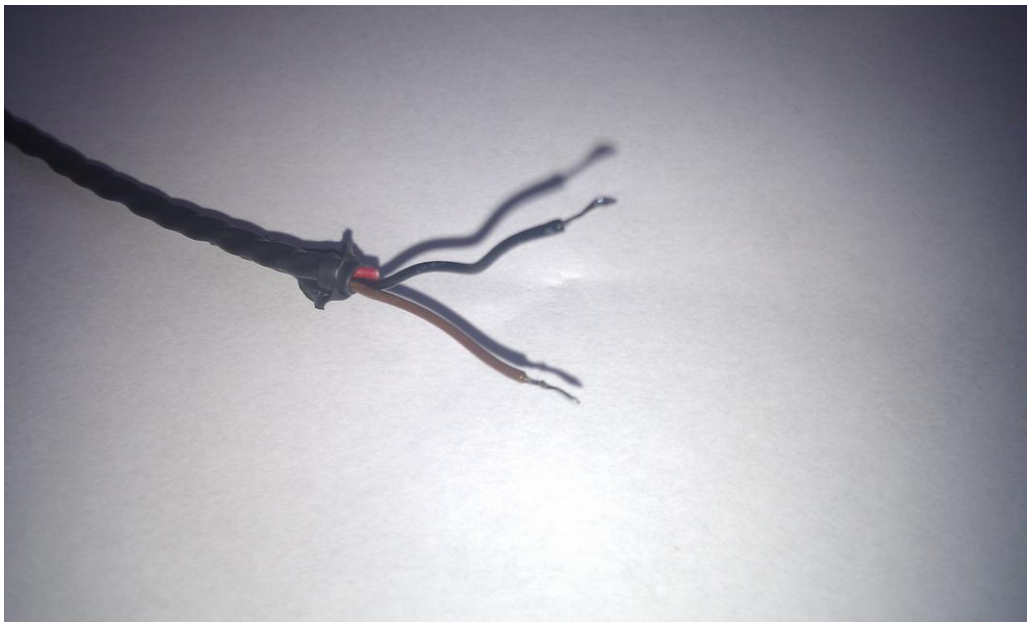
If using the CK cable – chop the small plug of the end leaving you with 3 cables



Cut the red cable away – you don't need it.

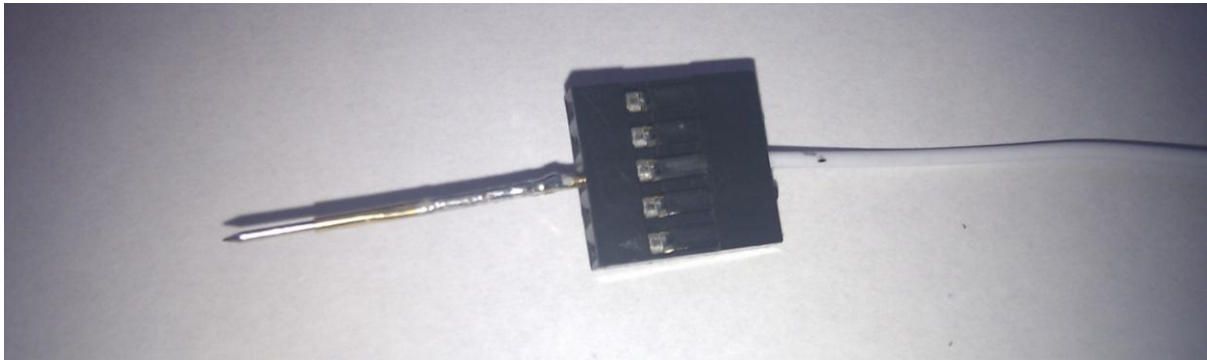


Now strip the ends of remaining 2 cables and tin them with your soldering iron, in preparation for next stage.

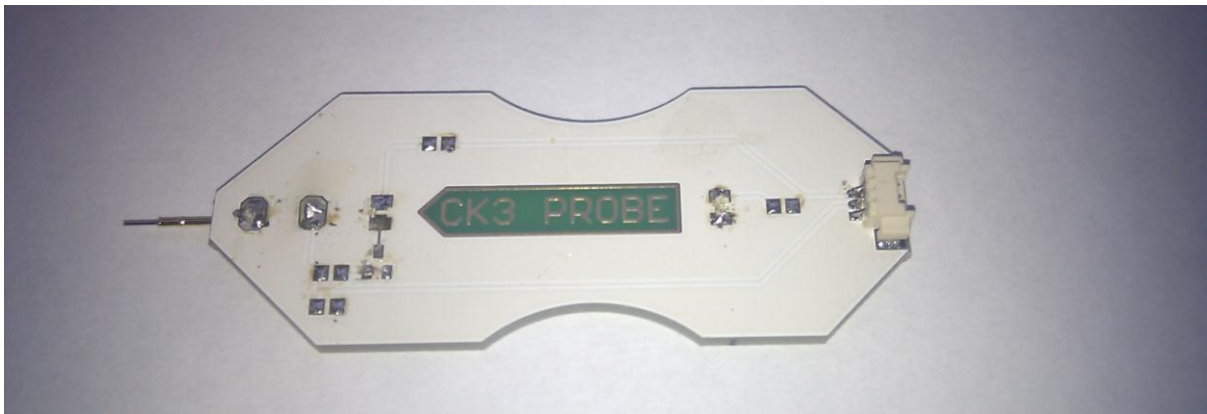


Now – you need to decide what you are using as a probe/pin

I have tried a few things – took the pin from a Vampire and pushed it into the vamps cable end. Cut away all the other cables – looks like this.



Or use a CK Probe 1



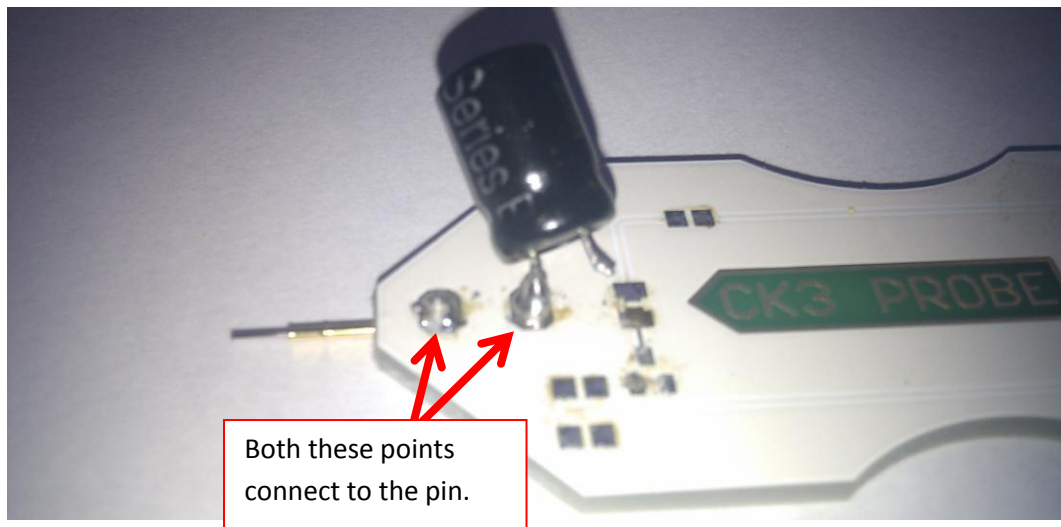
As I mentioned earlier – we are only interested that you can press it onto the PCB – It's just a pin!

SO – for the sake of this tutorial I'm using the CK Probe 1.

Take your probe and solder the **negative (-) leg of the capacitor** to it

In the picture below, the 2 large solder point are both connected to the pin, so I choose to keep the cap further from the tip to aid visibility when using it.

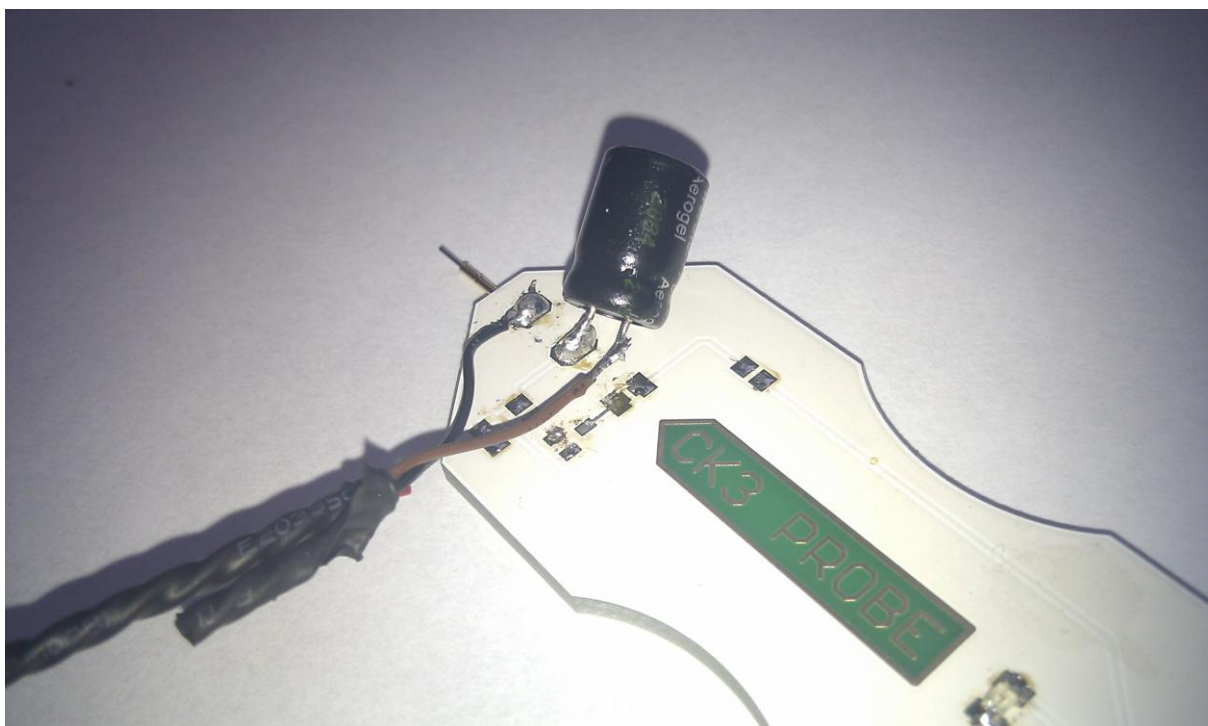




Now take your cable you prepared and solder the

**Brown cable to the Positive (+) leg of the capacitor**

**Black cable to the Probe (or Negative (-) leg if you only have 1 solder point on your probe)**



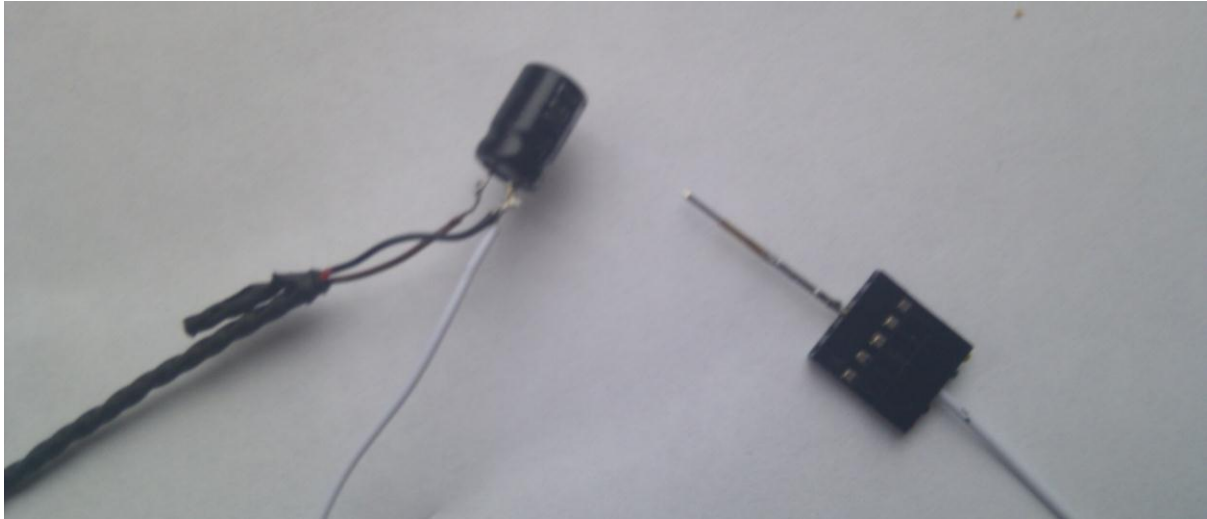
Your PMT is complete.

NOTE: the power cable on these are short so don't tape your cable to the body as it will restrict movement (unless you extend your cables first)

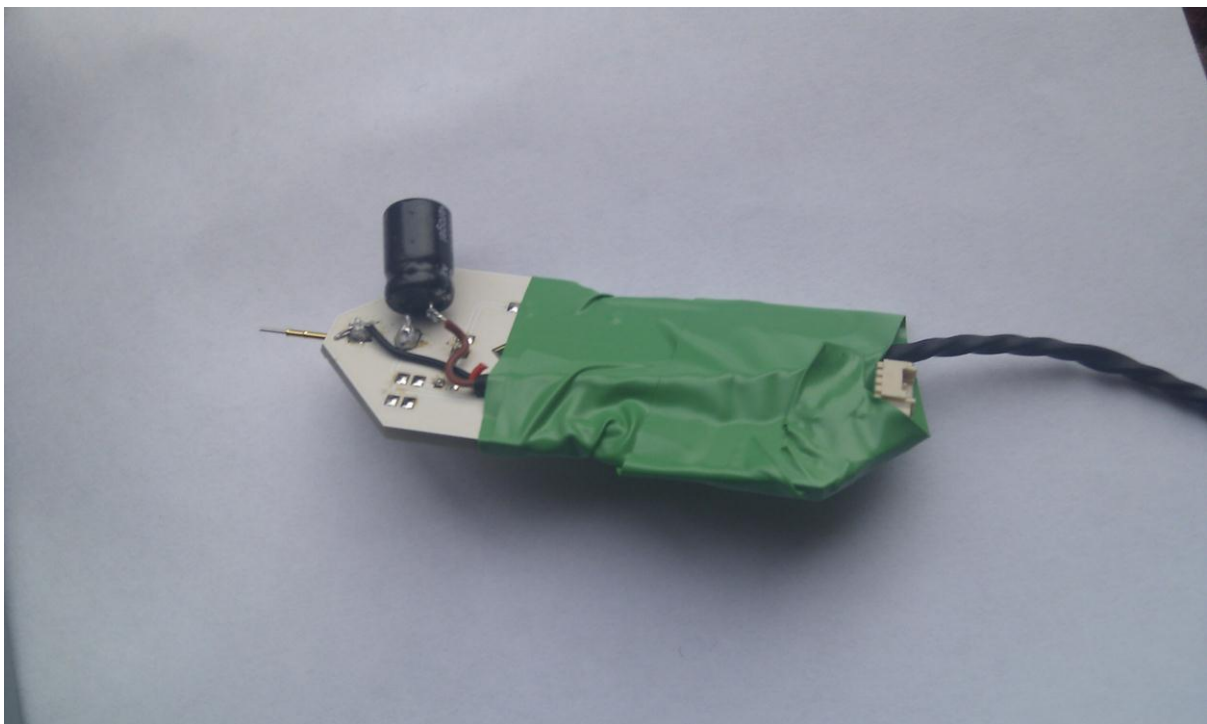
Alternatively you could do it this way –

**Brown to Positive (+) leg of capacitor**

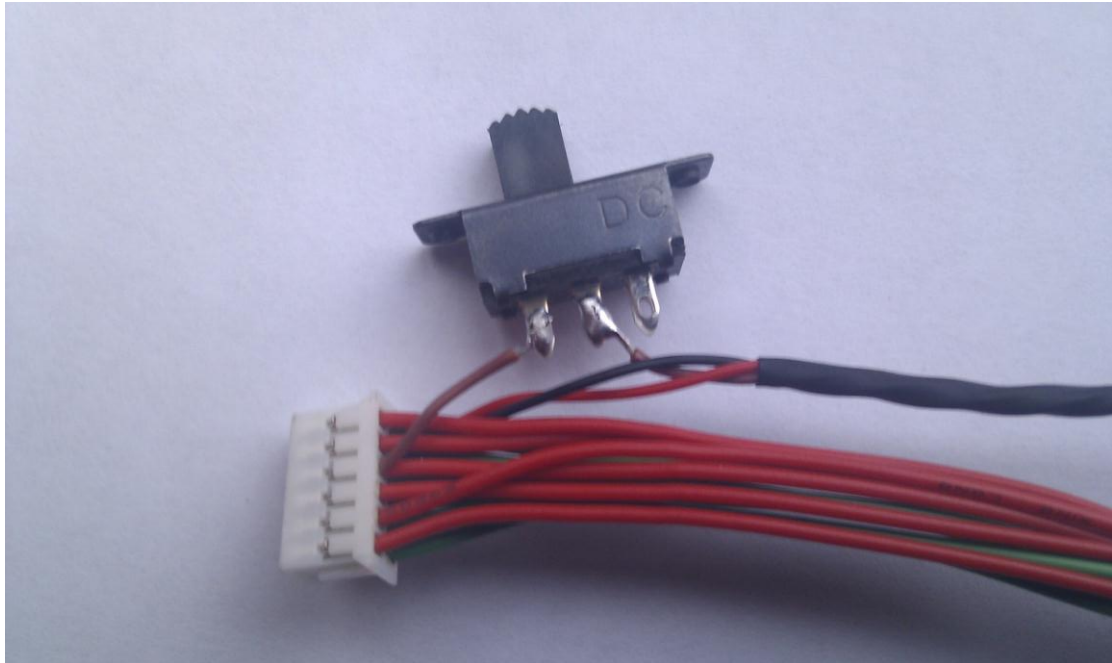
**Black and probe cable to the negative (-) leg**



This is my own one that has a lot longer cable so I taped it to the body to keep it out the way and protect the solder joints from being pulled.



**Incidentally – as I didn't want to have a charged capacitor at all time if I was using that cable for other drives – I fitted a small switch into my cable at the drive end. Cutting into the Brown wire. This is not necessary for it to work – just something I added.**





## Using JUNGLEFLASHER WITH PMT Probe

The PMT Probe is designed to be able to allow you to dump ALL Phat Liteons without resorting to MRA .

This method works regardless of current FW on the drive.

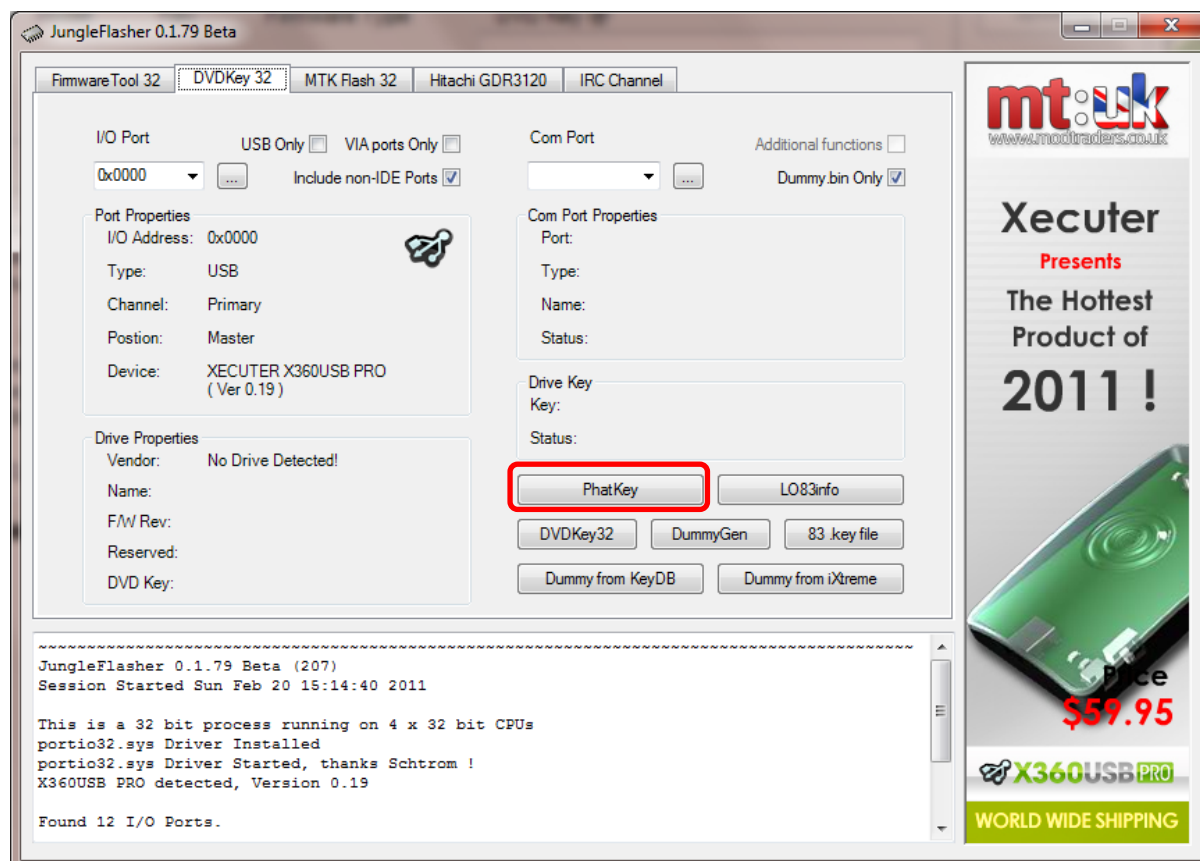
In the following example – I use the X360USB Pro for my SATA connection

– This is NOT a pre-requisite –

If you have a currently working SATA setup – it will work just as well

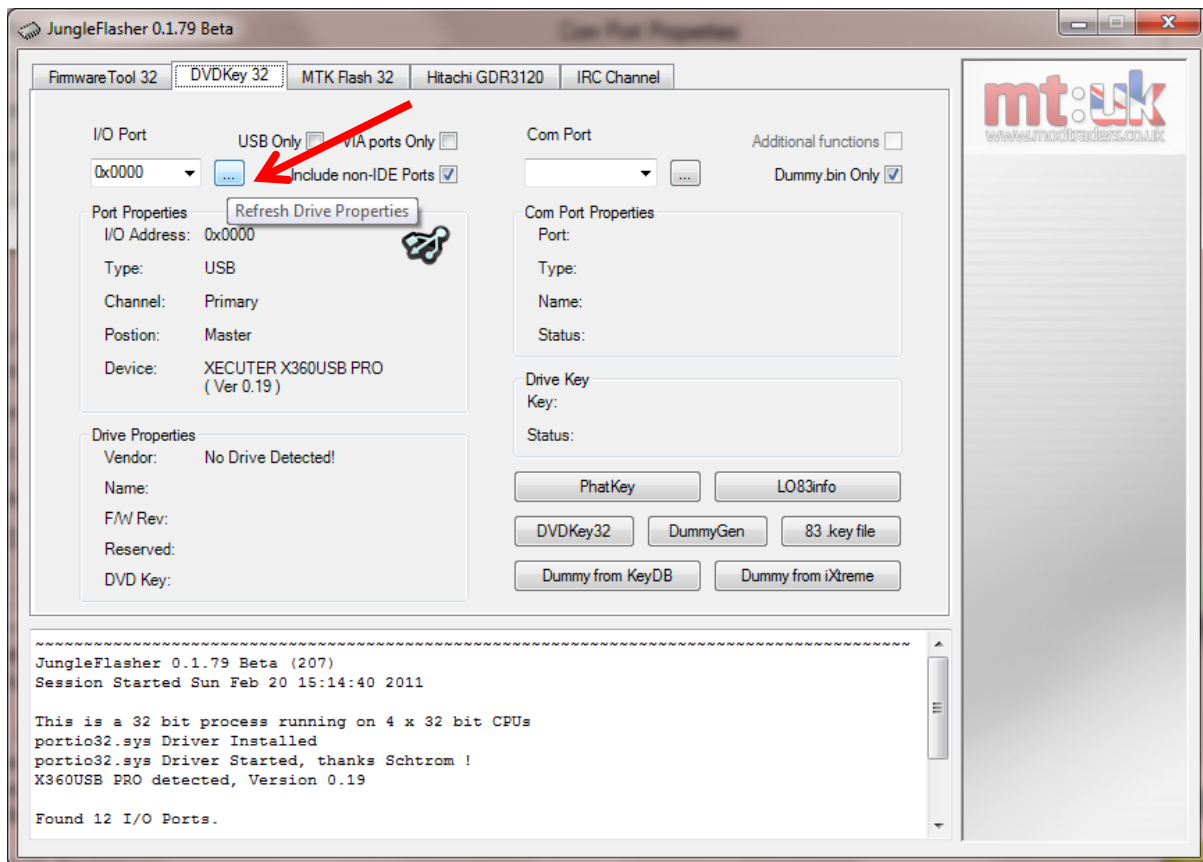
So select your I/O port as Normal

You will notice a new Button “PhatKey”

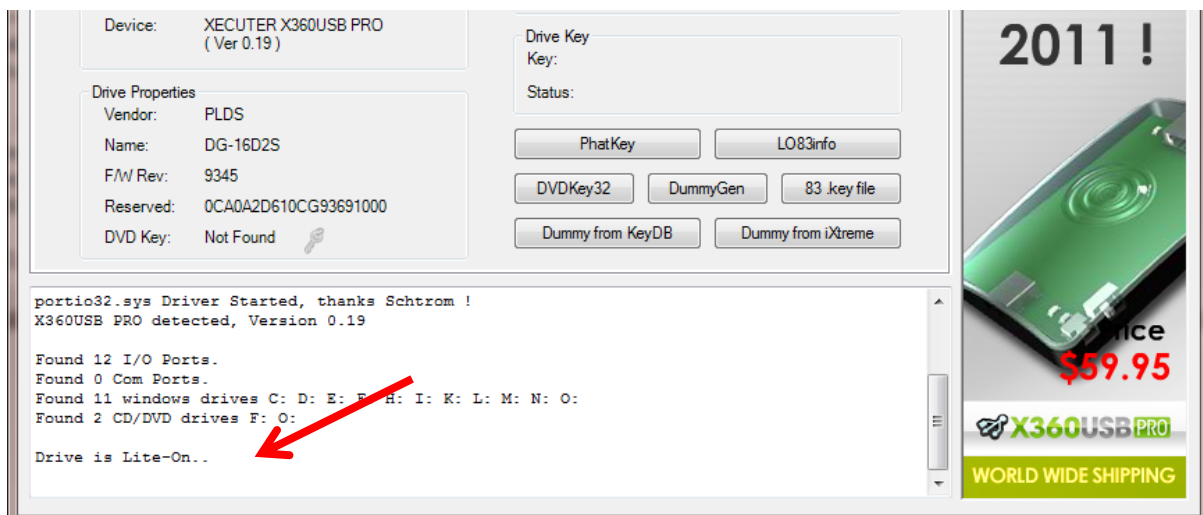


## Using the PMT

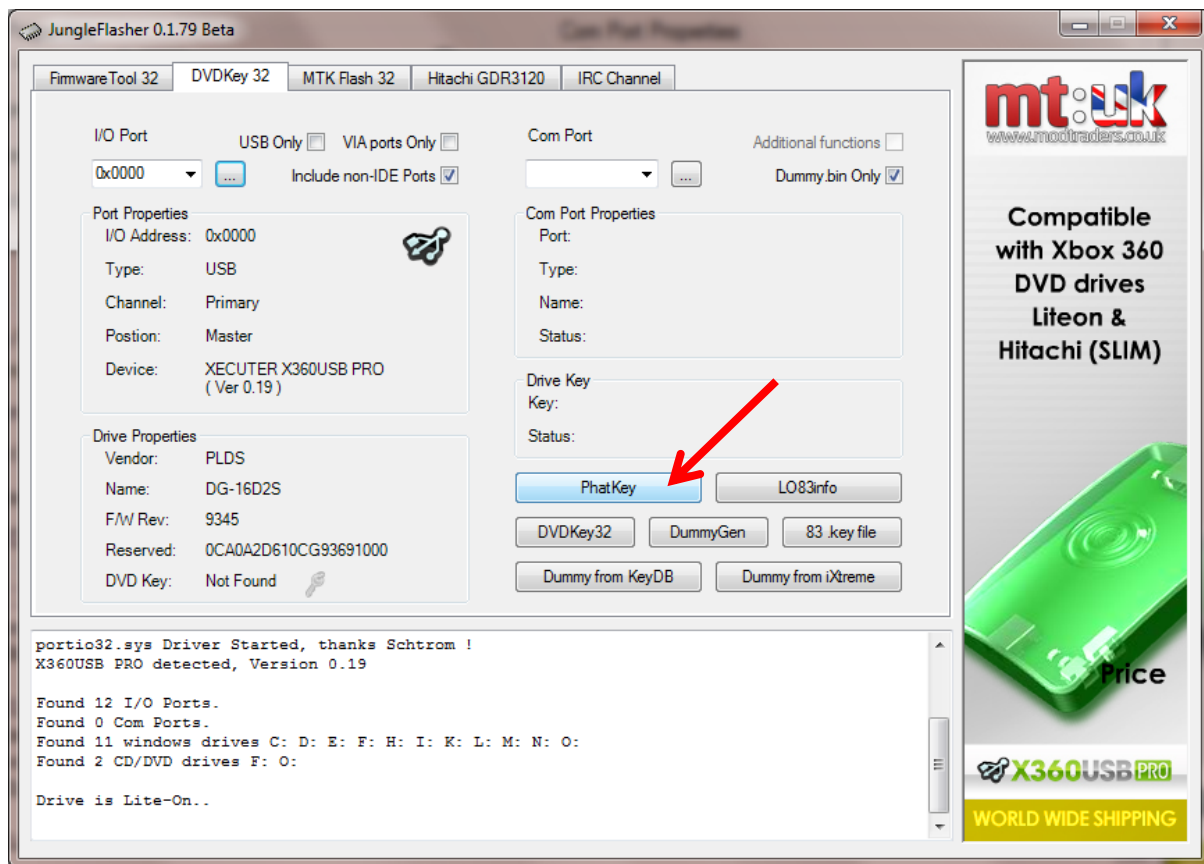
With drive powered on and showing in drive properties, click refresh ([...])



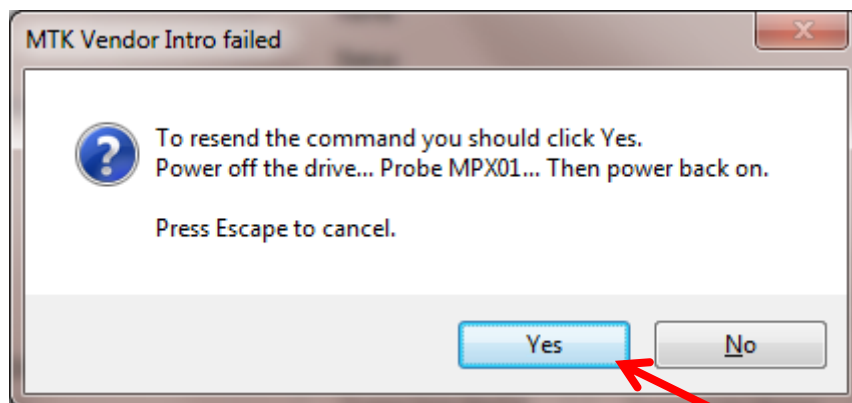
Notice the drive being identified!



Now press the “PhatKey” Button



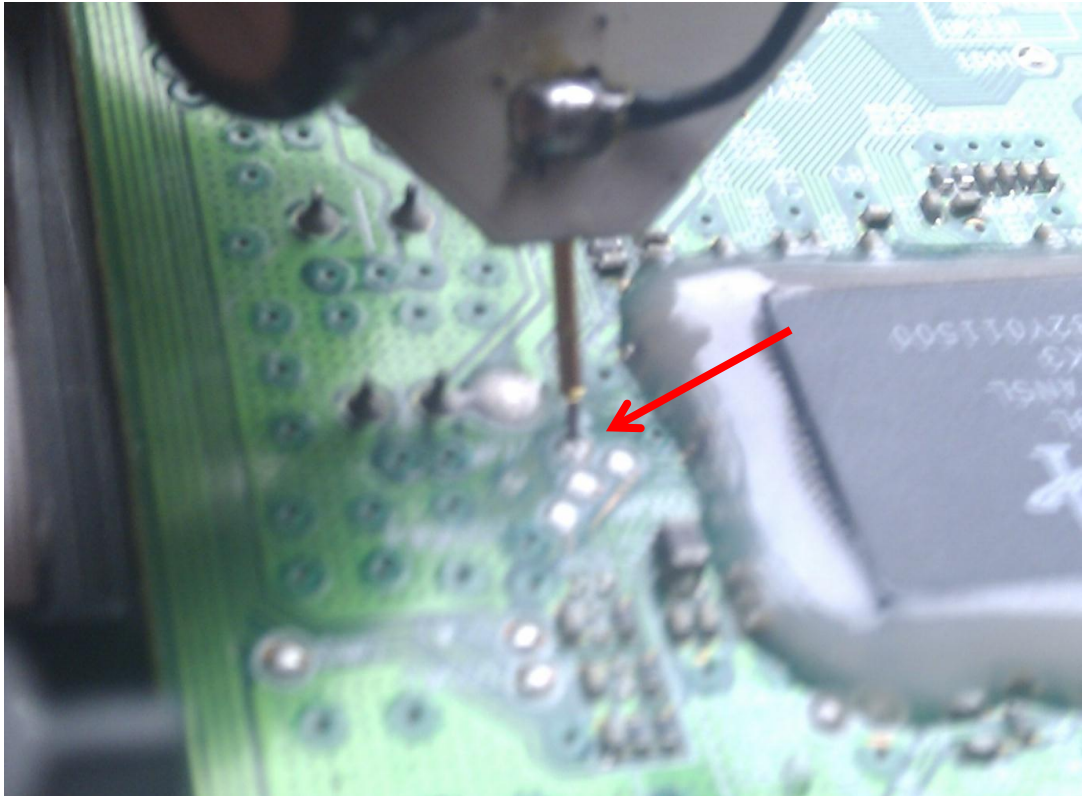
The following message will appear



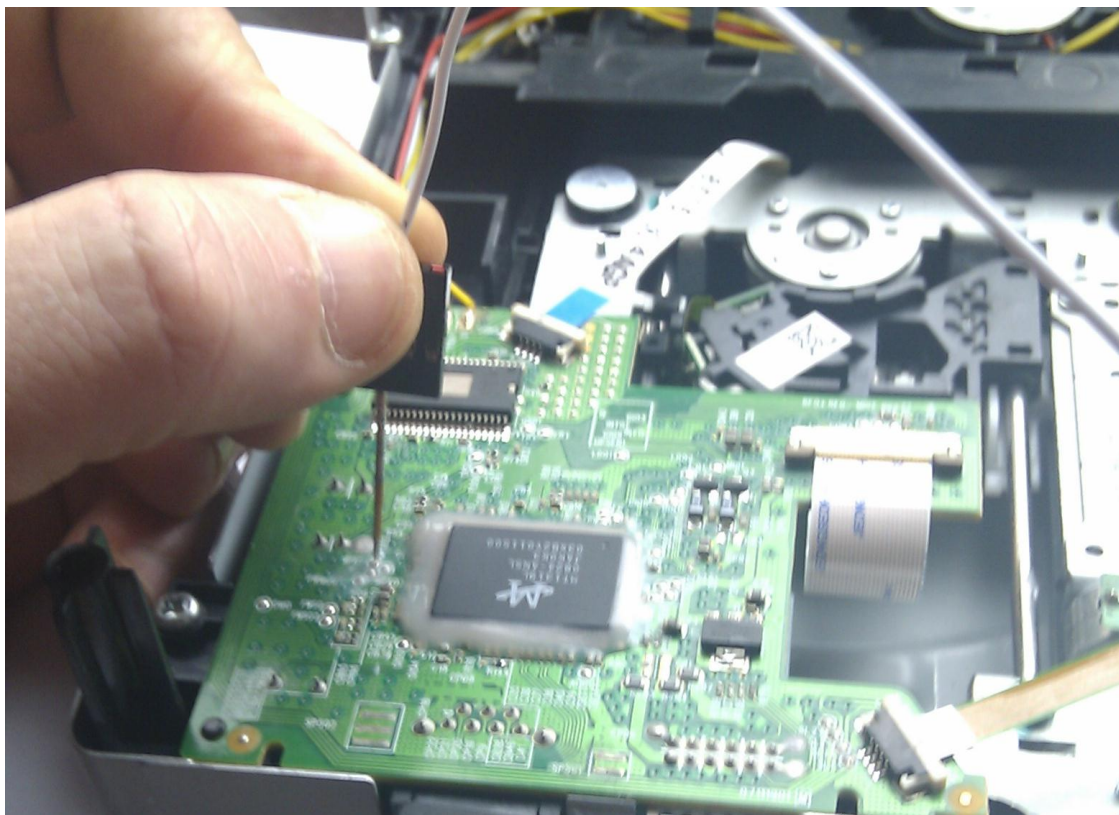
Please read this carefully. Then click YES

Switch drive power OFF

Probe the point MPX01



or



Switch Drive Power ON again

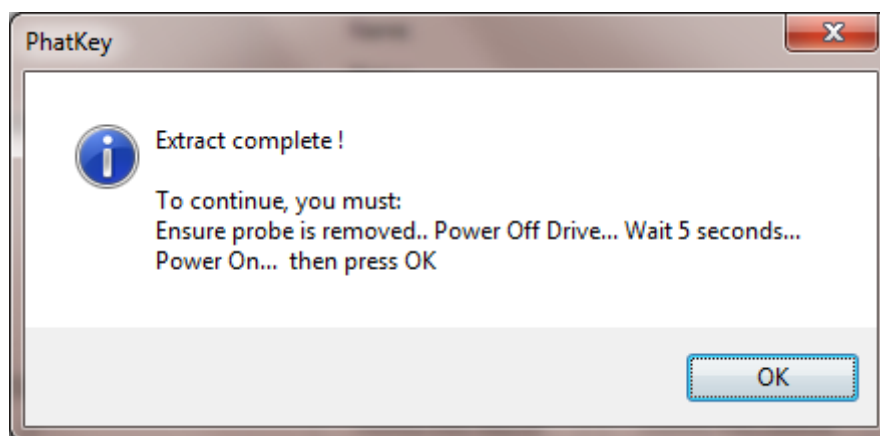


This message should appear in log window

```
PhatKey extraction failed!  
  
Drive is Lite-On..  
Drive is Lite-On..  
Sending Vendor Intro to port 0x0000  
Status 0x51  
Re-sending Vendor Intro:  
.....  
Serial flash found with Status 0x52
```

As soon as you see status 0x52 appear – lift the probe off from the point

Within a few seconds this should appear



Again read it carefully,

Switch drive power OFF

Wait 5 seconds

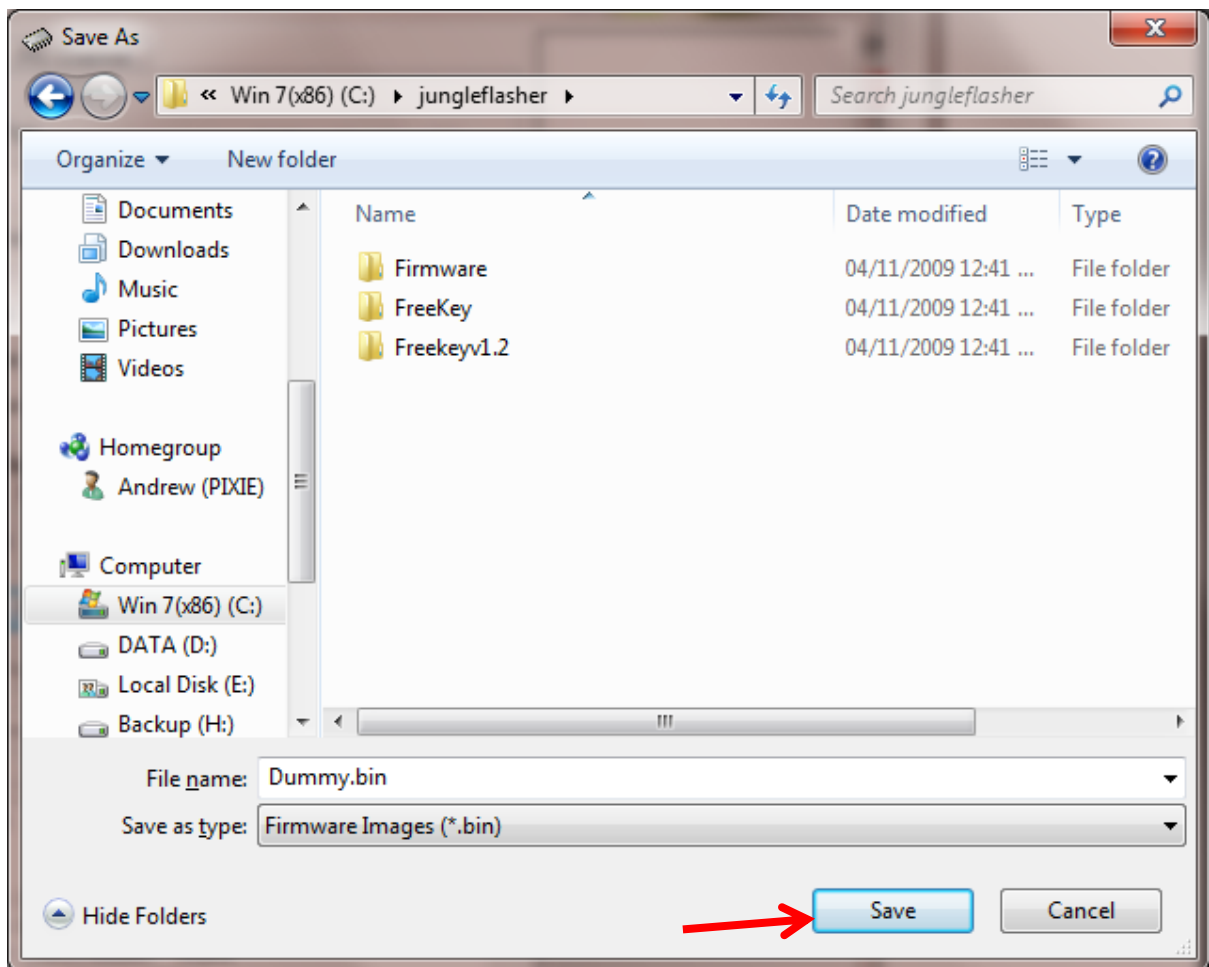
Switch drive power back ON

Then Press "OK"

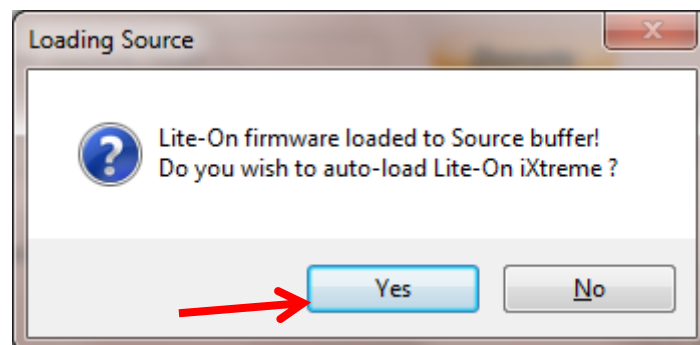
IF All has gone well

You will see the save box appear to save your Dummy.bin

Click "SAVE"



Then you will be presented with the question to auto-load the iXtreme FW

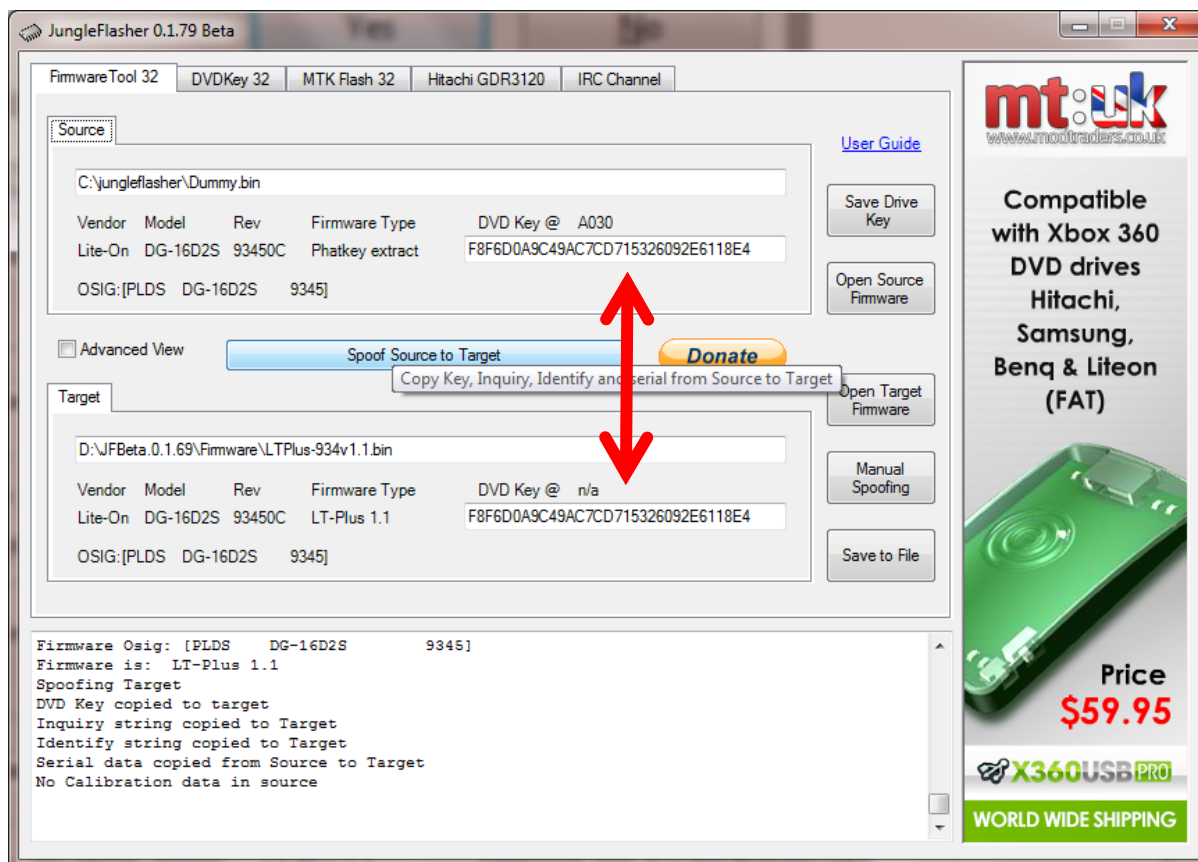


If this is what you wish to do Click "YES"

This will as normal take you to the Firmware Tool 32 tab, with your Dummy.bin loaded as source and the target Firmware loaded and spoofed with your drives details.

From here the Jungleflasher procedure is identical to the previous versions

Ensure the 2 keys match each other – then proceed to erase and write your drive.



**The Next step is to ERASE the drive, its vitally important you only do this once you KNOW you are ready and have read the tutorial, in full, to understand the risks.**

**IMPORTANT!!!!!!**

**Sending the erase command to the Lite-On using VIA Card with drivers installed poses the potential risk of the system locking up due to the VIA chipset polling the erased Lite-On and not liking the response!!!!!!**

**NOTE- You CANNOT SPOOF a LiteOn Drive with LT  
Firmware as a DIFFERENT DRIVE**



## Erasing a Lite-On PLDS DG-16D2S.

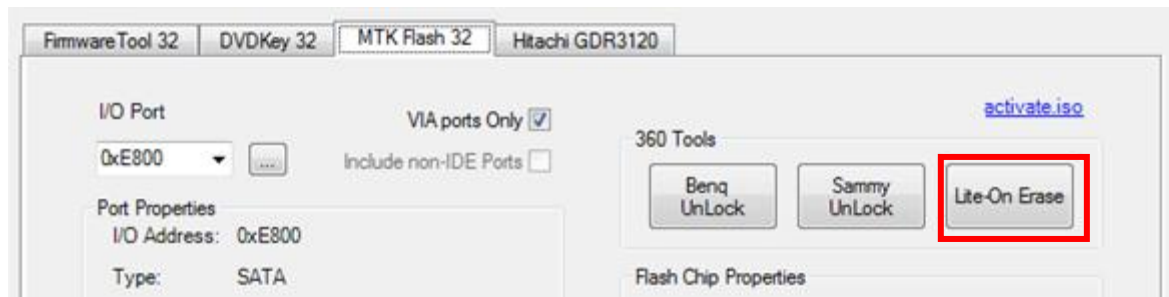
PLEASE READ THE WARNINGS ABOVE.

Once you erase the drive, there is NO GOING BACK.

Click the **MTKFlash 32** Tab.

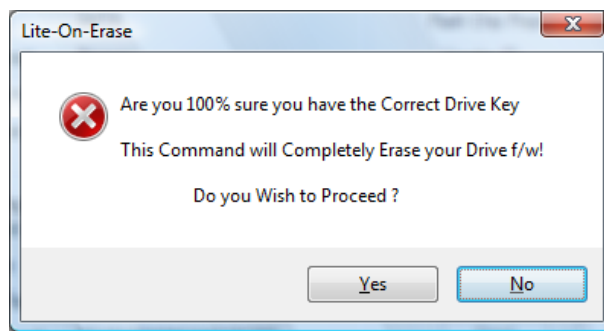


Verify I/O Port is correct(for your setup!) and click **Lite-On Erase**.



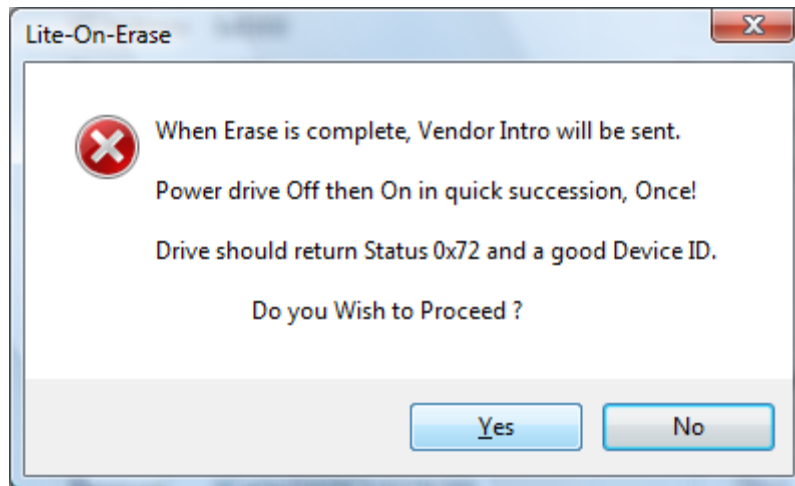
JungleFlasher will warn of the importance of having a verified **Good Drive Key**.

Please Note, the only ways to know 100% that a key is good, is to ensure your drive key was verified by JF or flash your firmware to a identical drive first and test it in the xbox itself



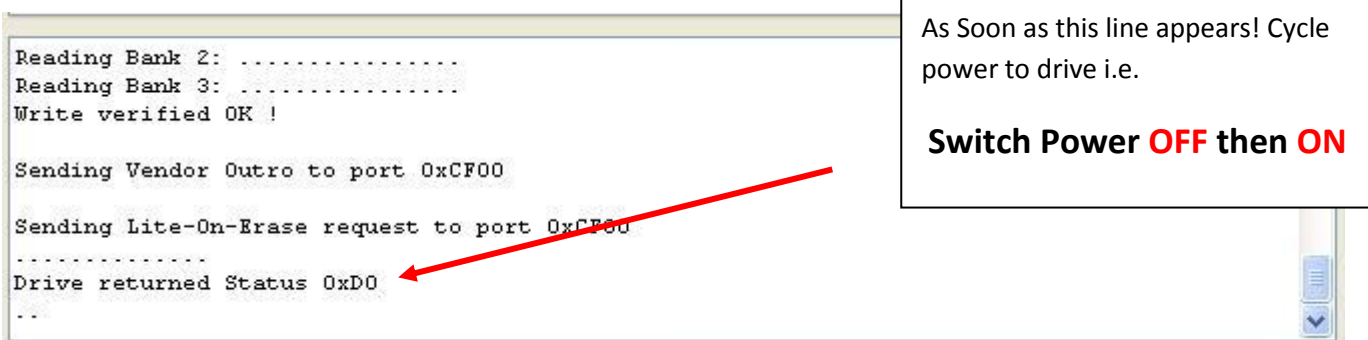
Click **Yes** if you wish to Proceed.

JungleFlasher will present you with another warning.



Read this carefully, in most cases JungleFlasher wil return a Running Log similar to this:  
We have had 0xD0 / 0x80 / 0xF2 / 0xD1 and all worked fine.

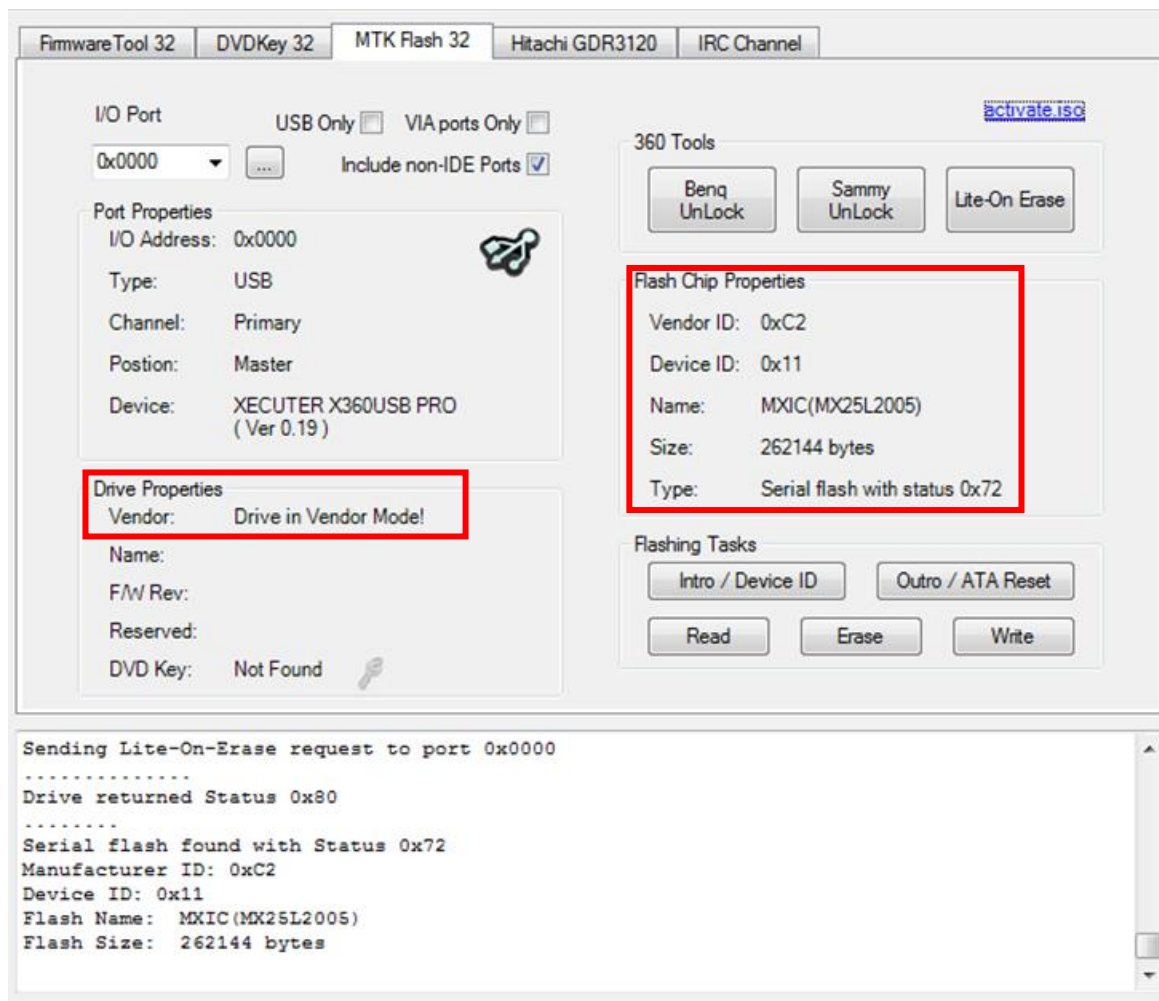
After pressing yes and **during the sequence of dots** shown below, switch drive Power Off then On - **ONCE**.



Hopefully you will see good **Flash Chip Properties** and **Status 0x72** (2 known SPi Chips for Lite-On's, Winbond **and** MXIC) MXIC Shown, drive will appear in **Vendor Mode** under **Drive Properties**.

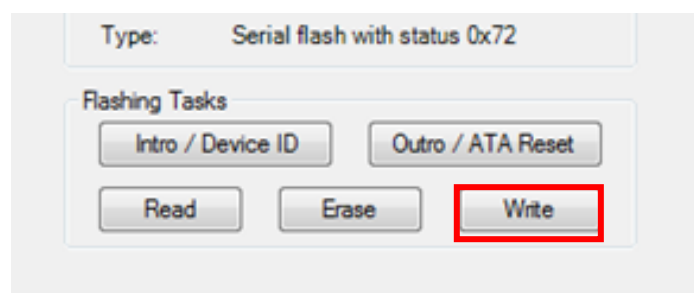
**DON'T PANIC IF IT DOESN'T ENTER VENDOR MODE FIRST TIME OR IF YOUR DRIVE IS NOW NOT SHOWING UP AND WILL NO LONGER EJECT**

**– SIMPLY PRESS INTRO AND CYCLE DRIVE POWER – IF STILL NOT IN VENDOR MODE, TRY ERASING AGAIN!**



Drive is now in Vendor Mode (0x72).

Click the **Write** button to write **Target Buffer** to the drive.



```

Sending Chip Erase to Port 0xA000
Erasing:.....
Writing target buffer to flash
Writing Bank 0: .....
Writing Bank 1: .....
Writing Bank 2: .....
Writing Bank 3: .....

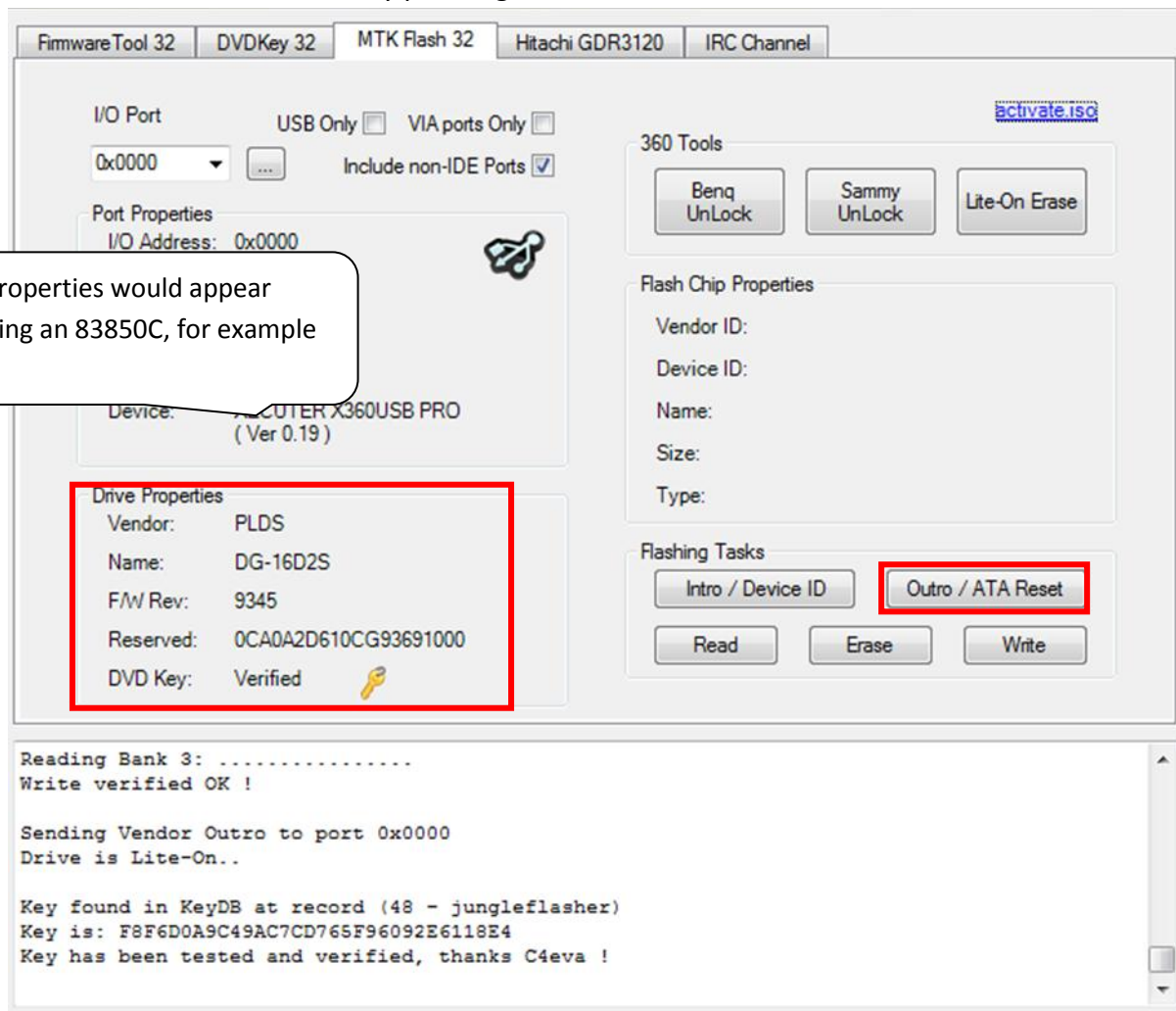
```

```
Flash Verification Test !
Reading Bank 0: .....
Reading Bank 1: .....
Reading Bank 2: .....
Reading Bank 3: .....
Write verified OK !
```

**Write Verified OK!** in **Running Log** signals good write.

Now send an Outro to the drive.

Done by pressing the **Outro / ATA Reset** Button



Different properties would appear  
when flashing an 83850C, for example

This will release a drive from **Vendor Mode** and send **ATA Reset** to the Drive. It then sends an inquiry command to the drive.

**You are Finished!**