

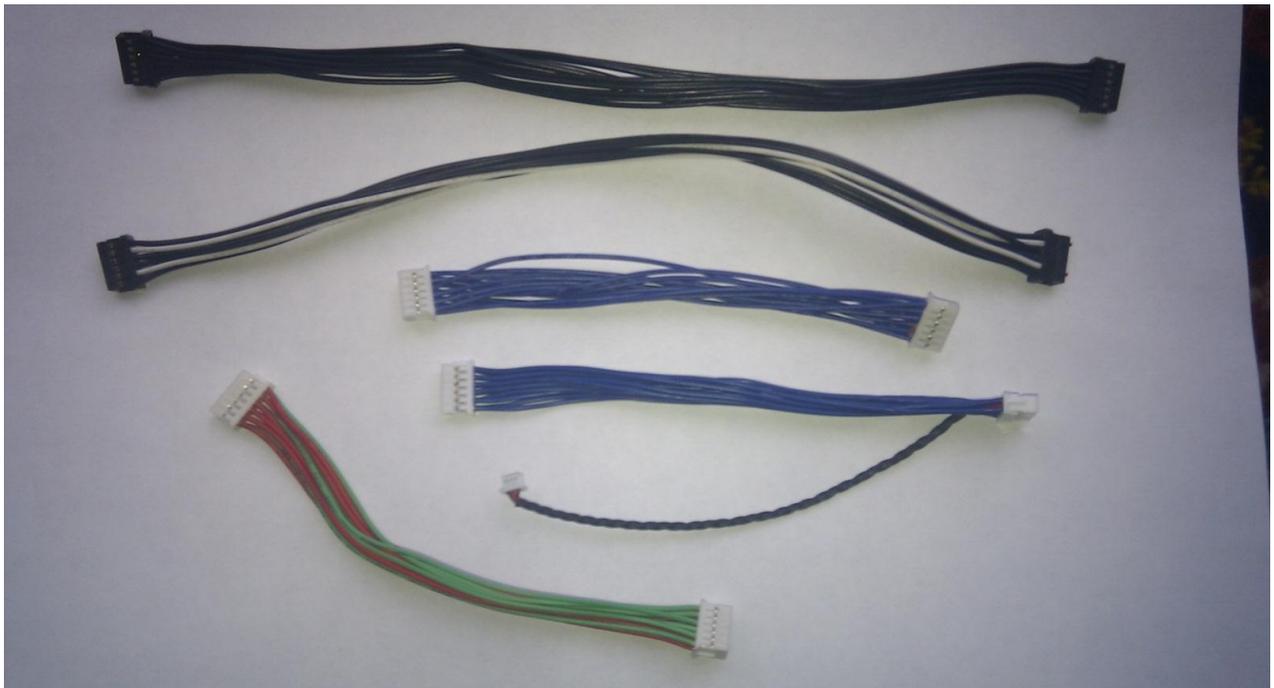
POGO MO THOIN – USING JUNGLEFLASHER 0.1.79 Beta

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

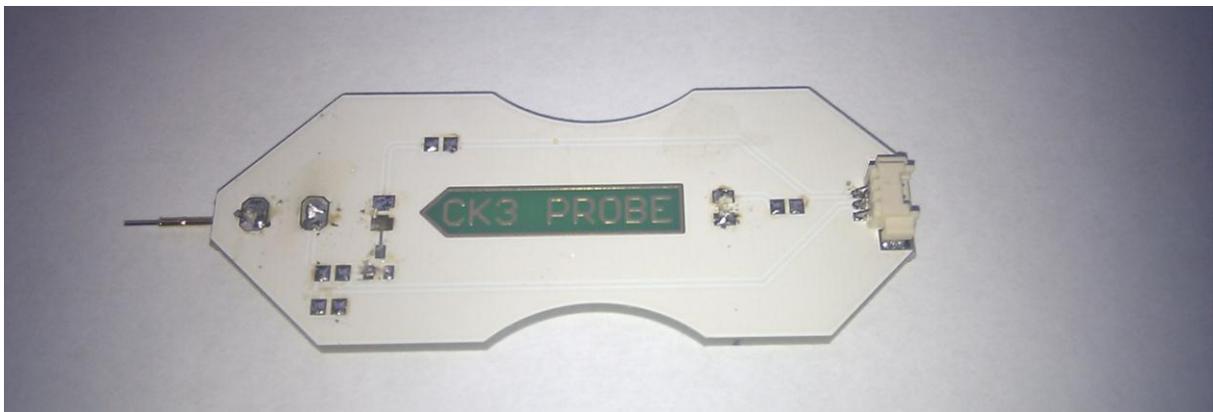
1. A Electrolytic Capacitor 1.0F 2.5v



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



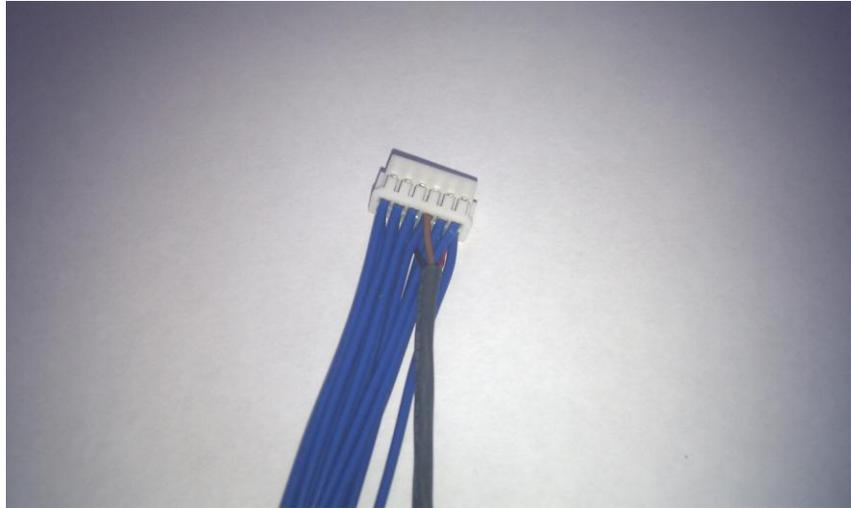
3. A probe (could be a pin – just something solid you can probe with)



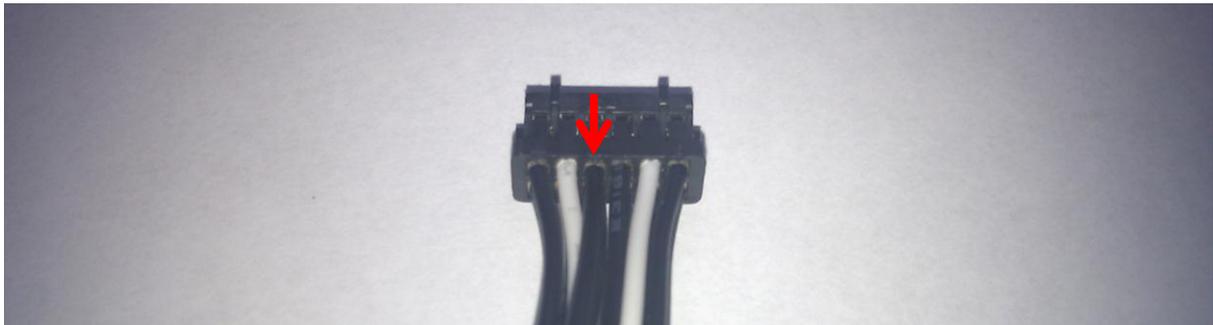
On this one, I knocked of all the surface components with my soldering iron
(we are only interested in the pin itself)

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

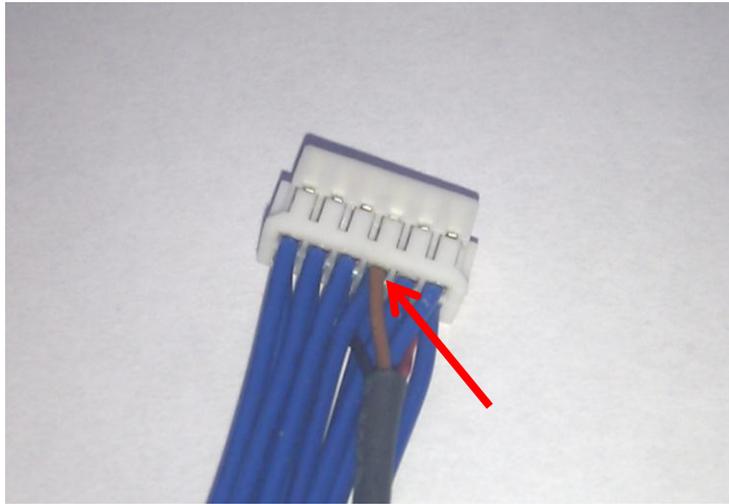


With the plug upwards (notice the pegs on top) the indicated cable is GND. The one directly below it is 3.3V.

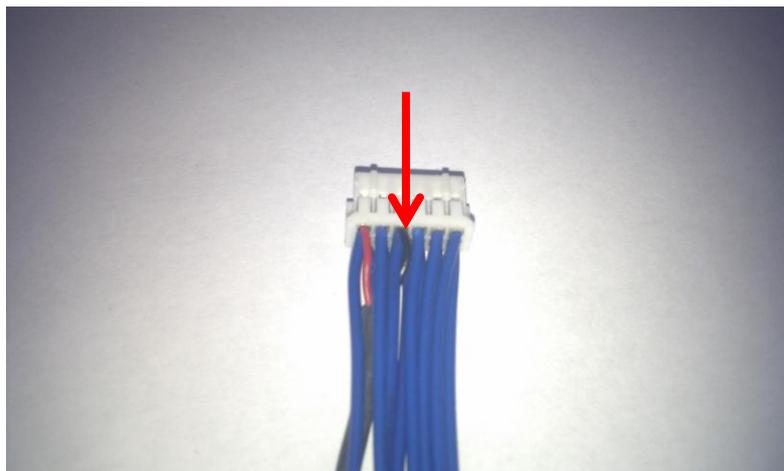
If you are splicing into one of these cables attach a BLACK cable to GND

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

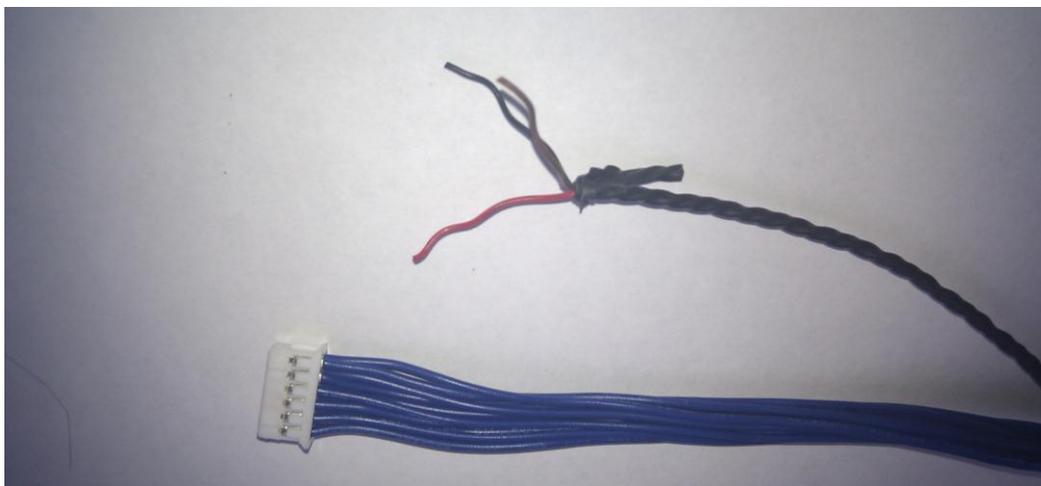
As you can see this cable (CK one) has 3 cable already attached – please note this plug is upside down in comparison to previous picture.



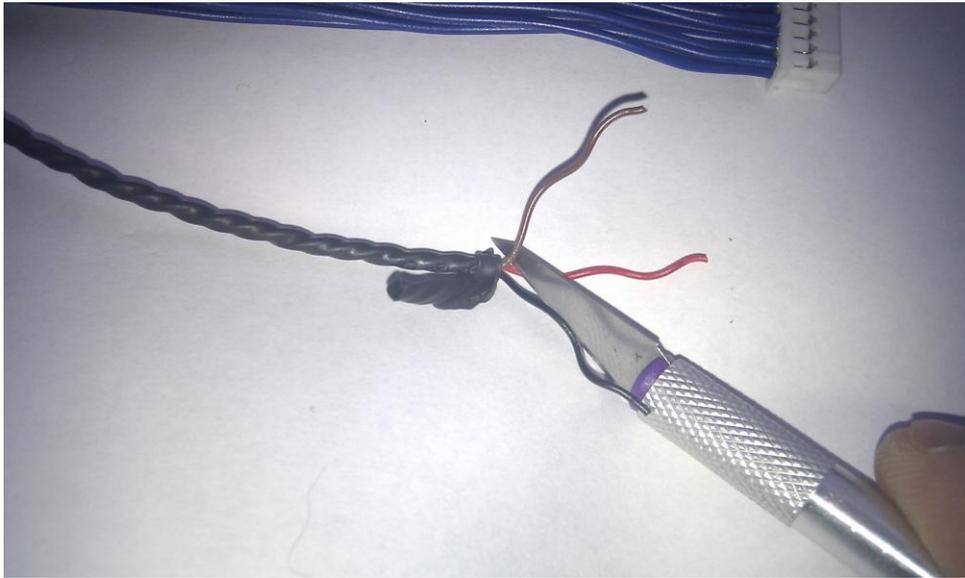
This one is upwards



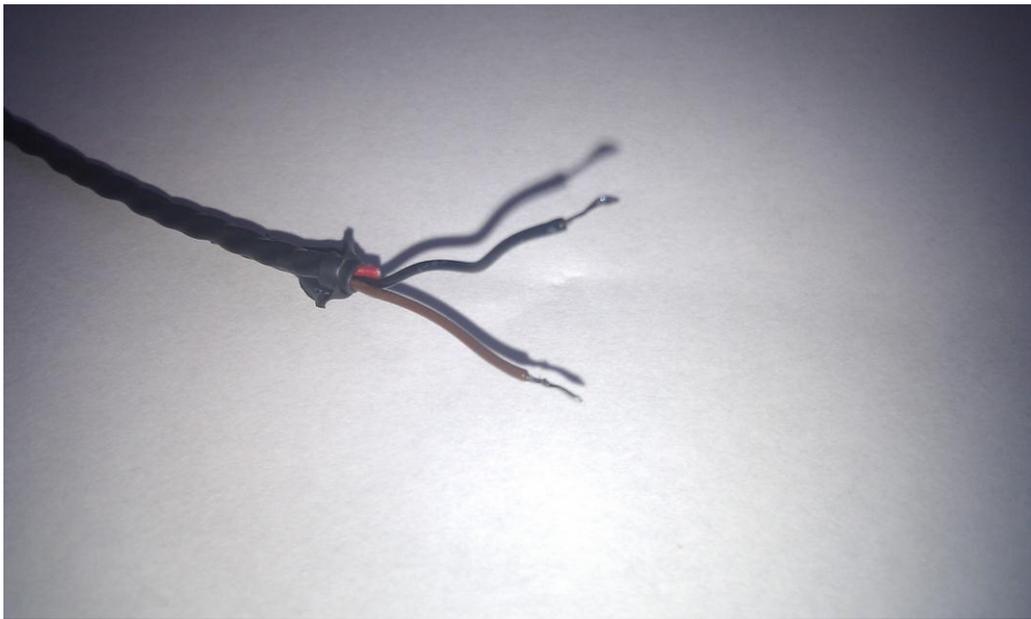
If using the CK cable – chop the small plug of the end leaving you with 3 cables



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

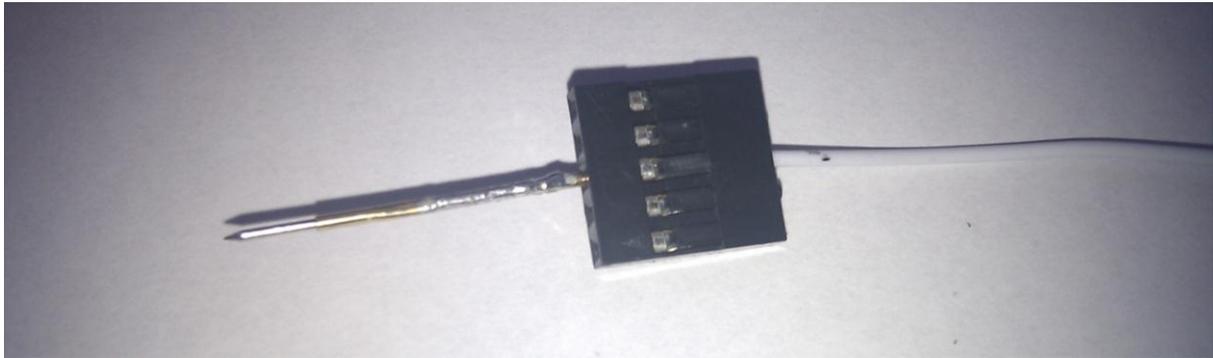


Now strip the ends of remaining 2 cables and tin them with your soldering iron, in preparation for next stage.

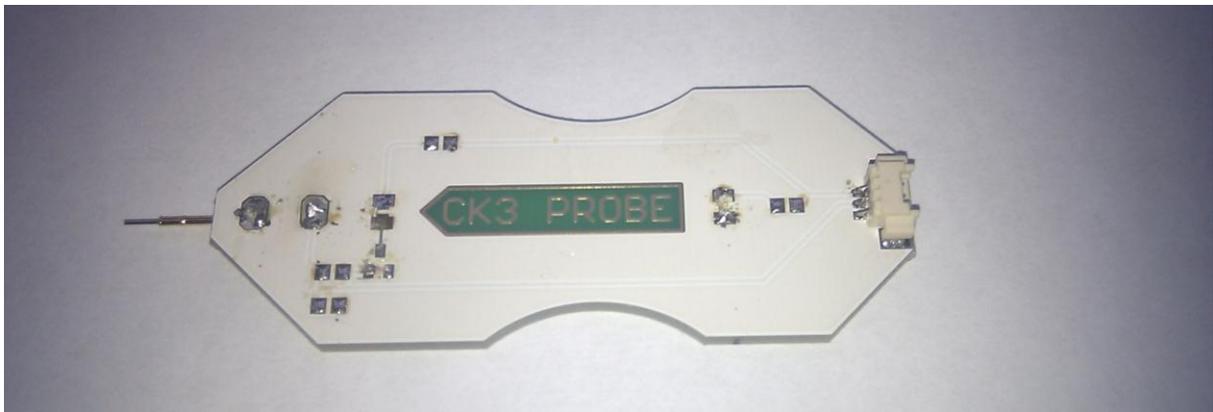


Now – you need to decide what you are using as a probe/pin

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

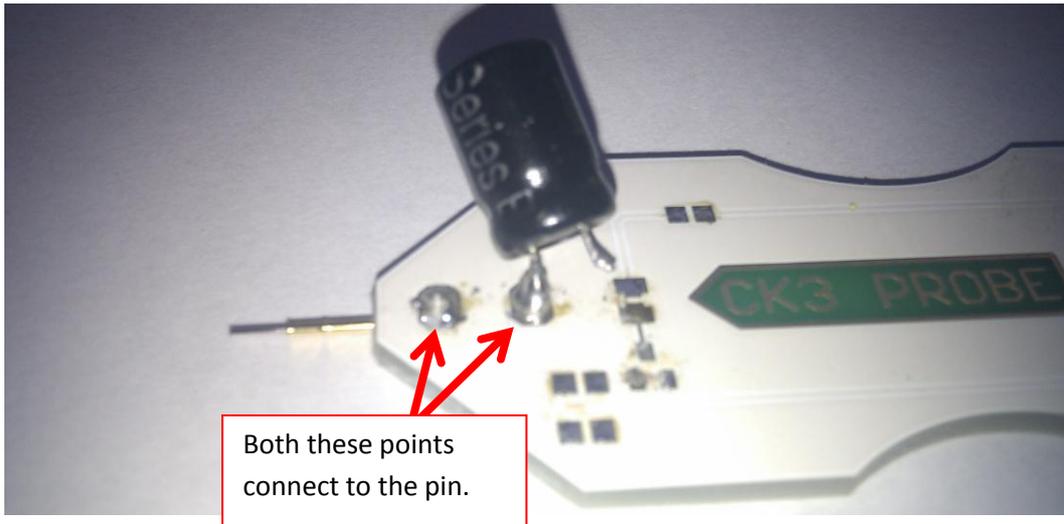


As I mentioned earlier – we are only interested that you can press it onto the PCB – It's just a pin!

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

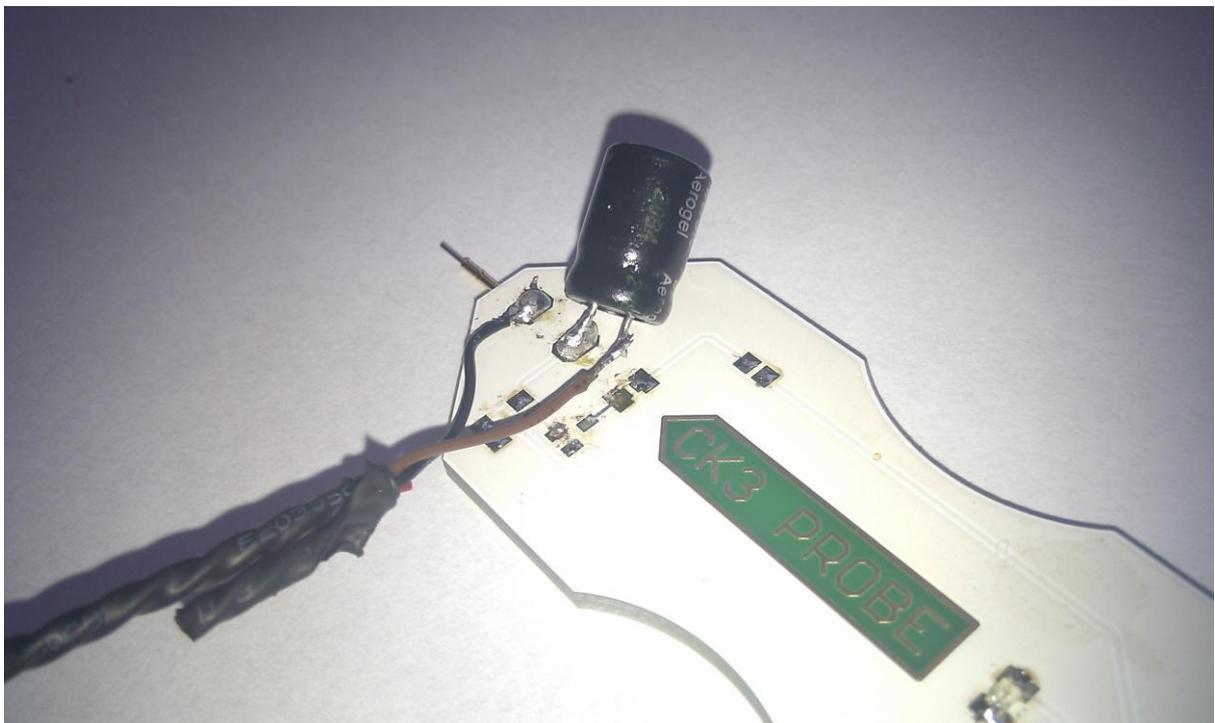
In the picture below, the 2 large solder point are both connected to the pin, so I choose to keep the cap further from the tip to aid visibility when using it.



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)



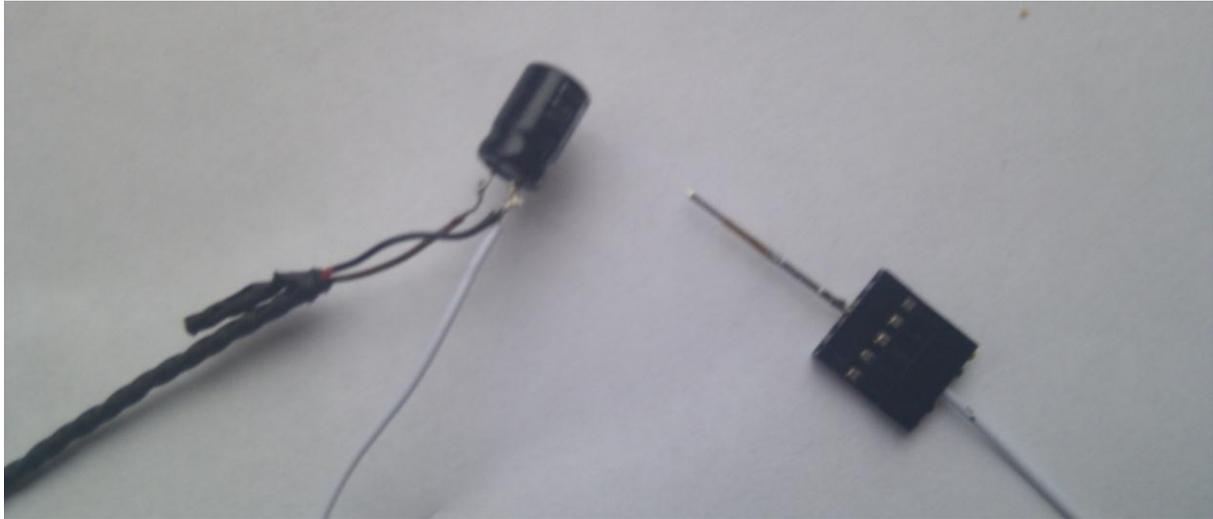
Your PMT is complete.

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)

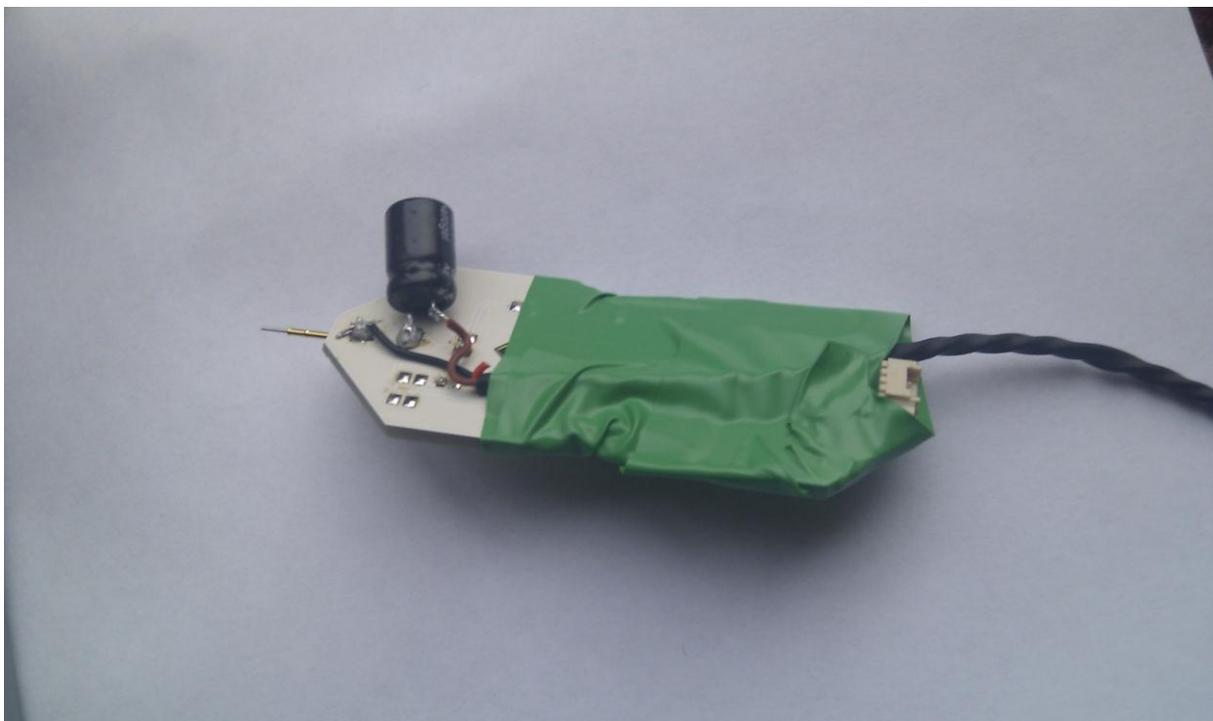
Alternatively you could do it this way –

Brown to Positive (+) leg of capacitor

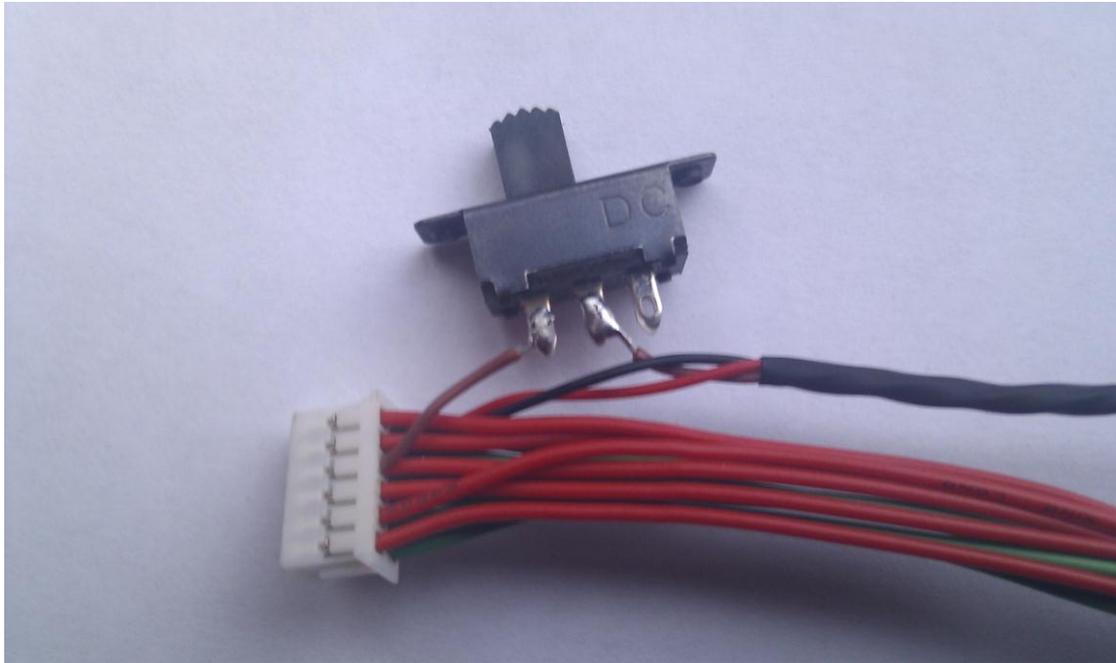
Black and probe cable to the negative (-) leg



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”

JungleFlasher 0.1.79 Beta

FirmwareTool 32 DVDKey 32 MTK Flash 32 Hitachi GDR3120 IRC Channel

I/O Port: 0x0000
USB Only VIA ports Only
Include non-IDE Ports

Com Port:
Additional functions
Dummy.bin Only

Port Properties
I/O Address: 0x0000
Type: USB
Channel: Primary
Position: Master
Device: XECUTER X360USB PRO (Ver 0.19)

Drive Properties
Vendor: No Drive Detected!
Name:
F/W Rev:
Reserved:
DVD Key:

Com Port Properties
Port:
Type:
Name:
Status:

Drive Key
Key:
Status:

PhatKey LO83info
DVDKey32 DummyGen 83_key file
Dummy from KeyDB Dummy from iXtreme

~~~~~  
JungleFlasher 0.1.79 Beta (207)  
Session Started Sun Feb 20 15:14:40 2011  
  
This is a 32 bit process running on 4 x 32 bit CPUs  
portio32.sys Driver Installed  
portio32.sys Driver Started, thanks Schtrom !  
X360USB PRO detected, Version 0.19  
  
Found 12 I/O Ports.

mt:uk  
www.mottraders.co.uk

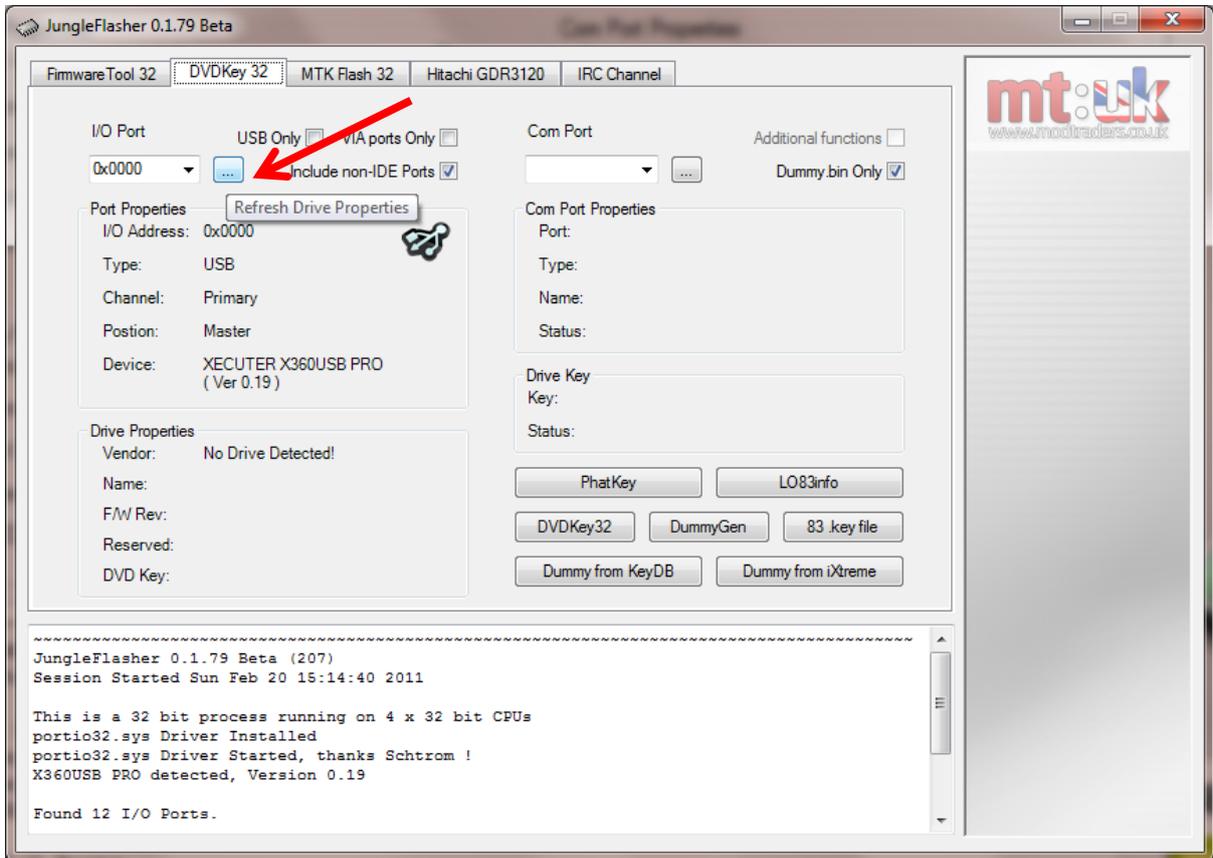
Xecuter  
Presents  
The Hottest  
Product of  
2011 !

Price  
\$59.95

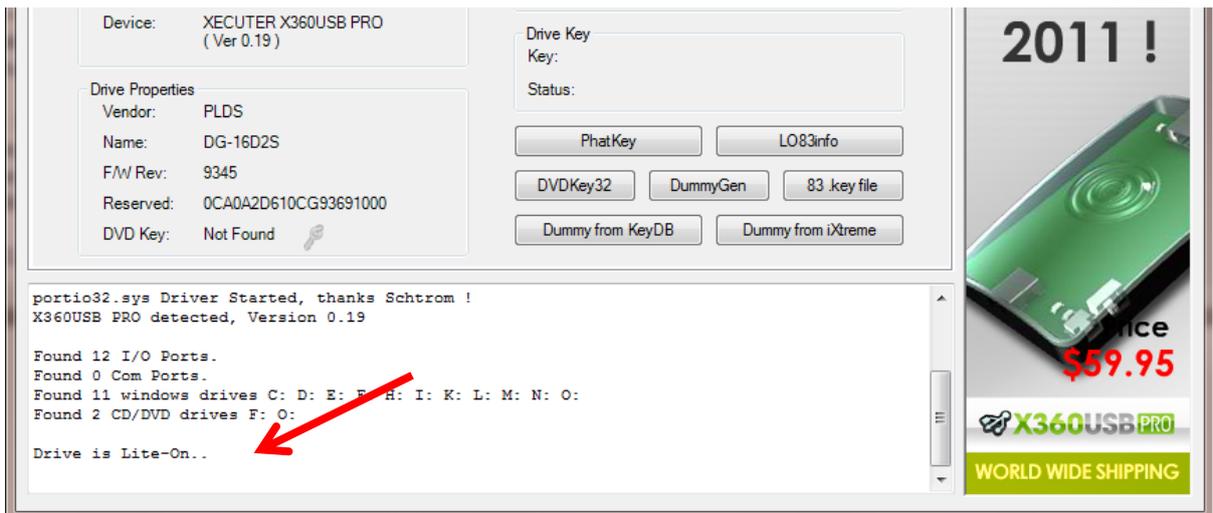
X360USB PRO  
WORLD WIDE SHIPPING

## Using the PMT

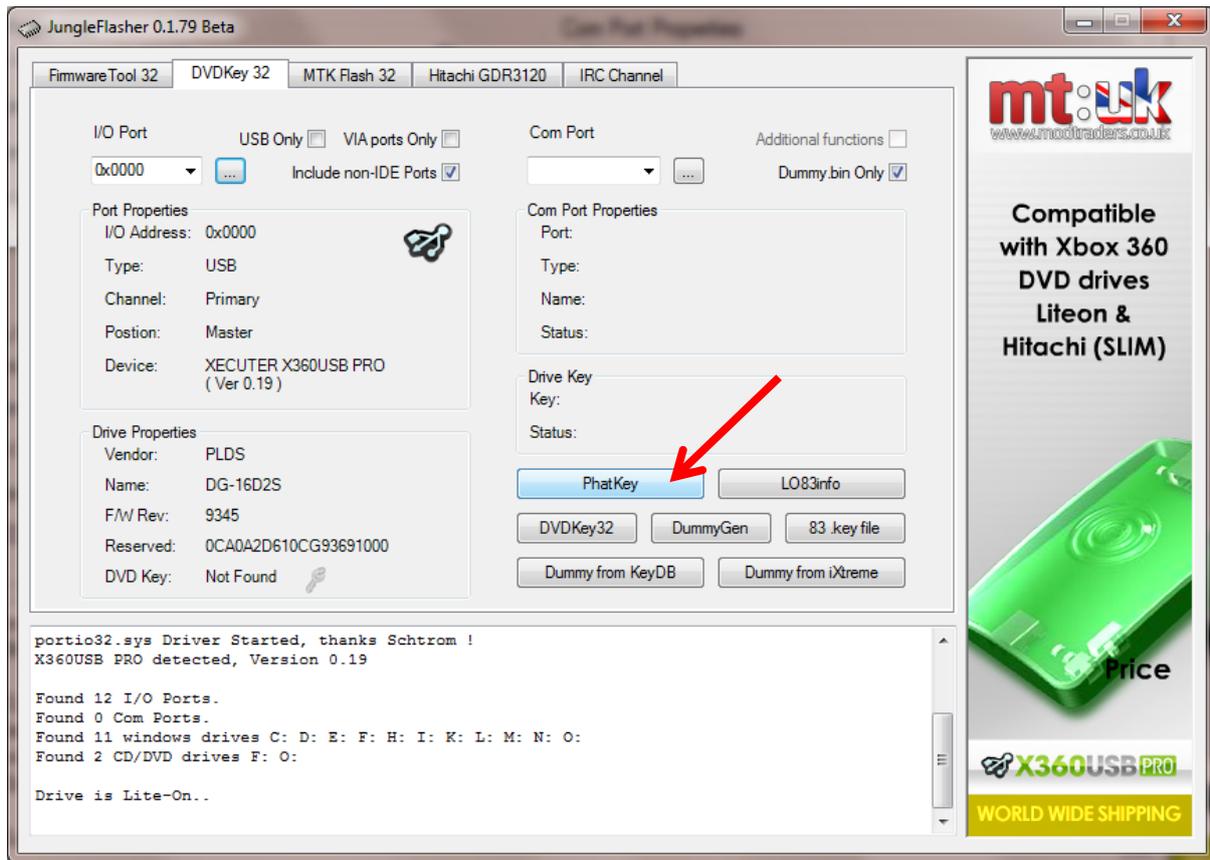
With drive powered on and showing in drive properties, click refresh ([...])



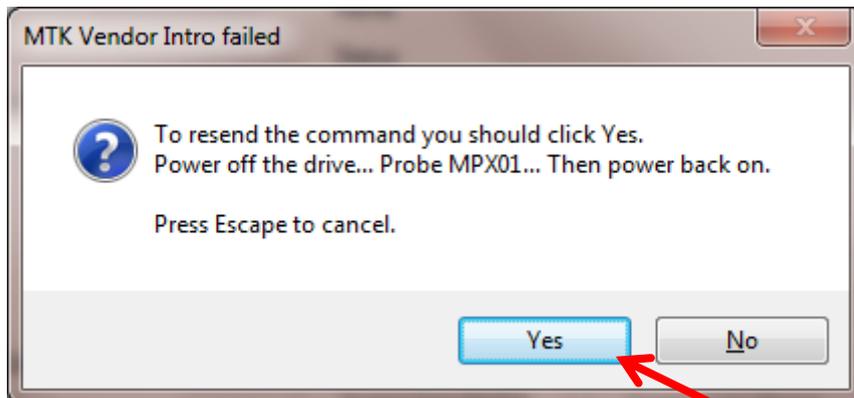
Notice the drive being identified!



Now press the “PhatKey” Button



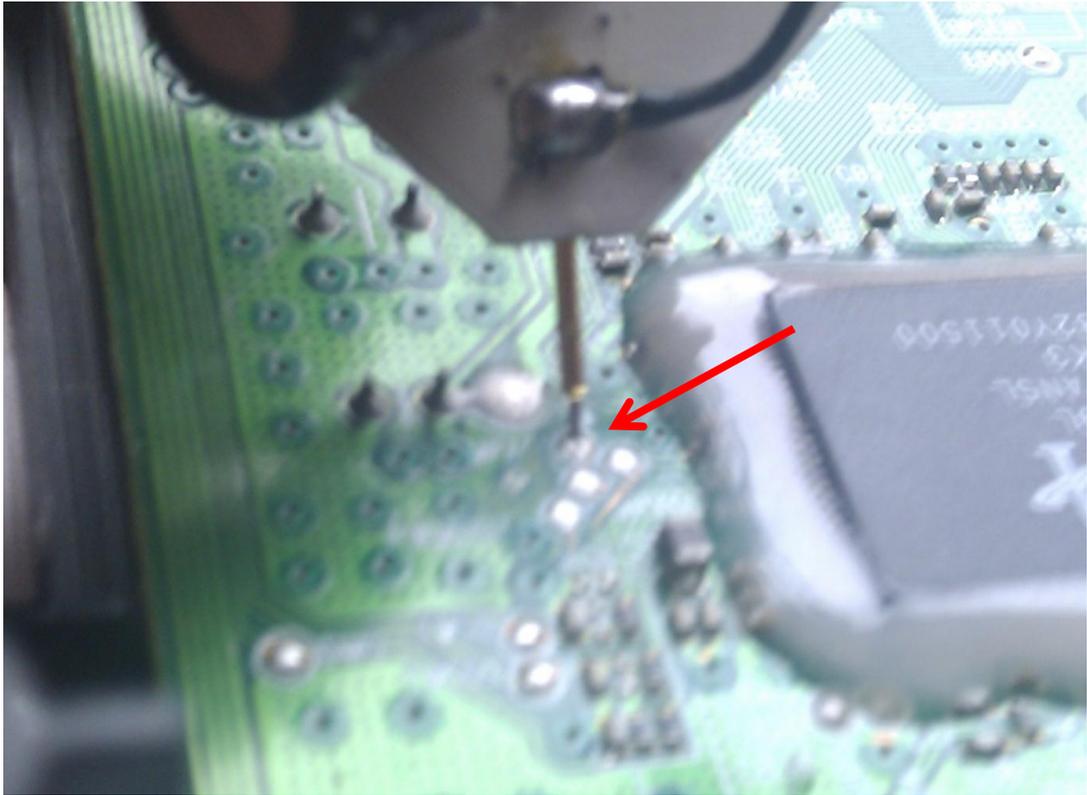
The following message will appear



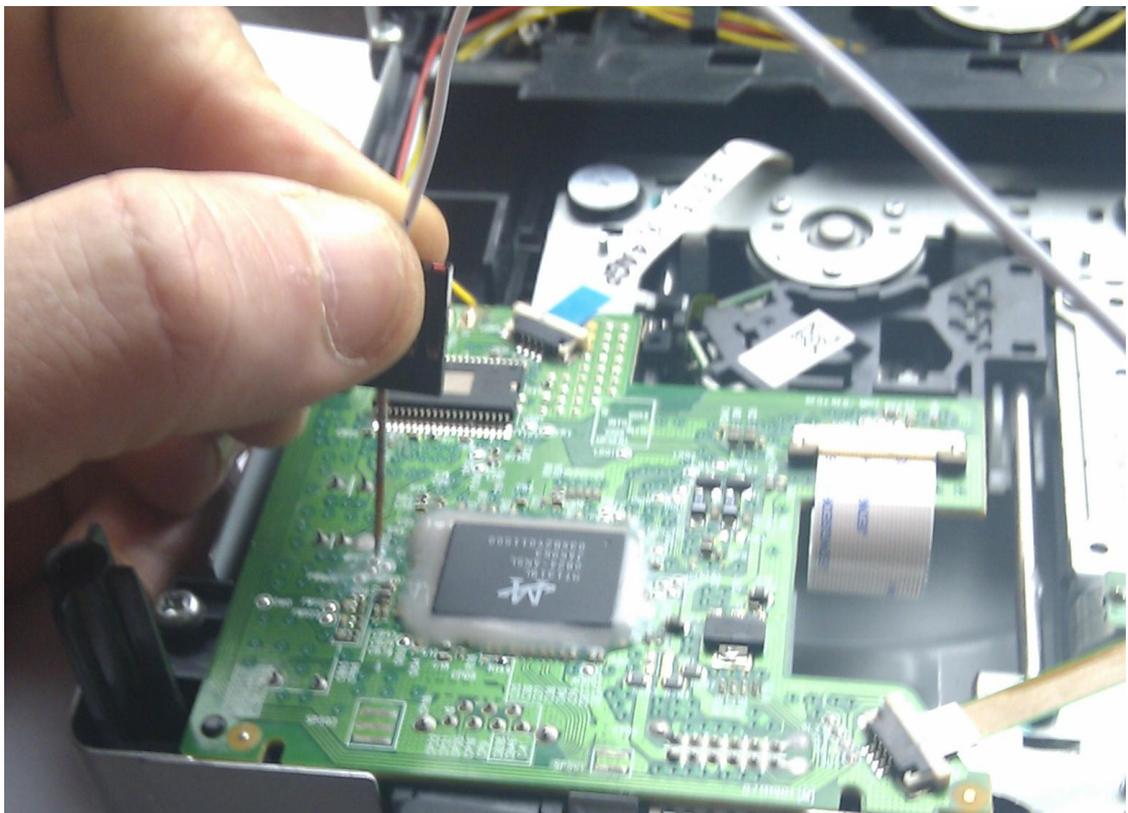
Please read this carefully. Then click YES

Switch drive power OFF

Probe the point MPX01



or



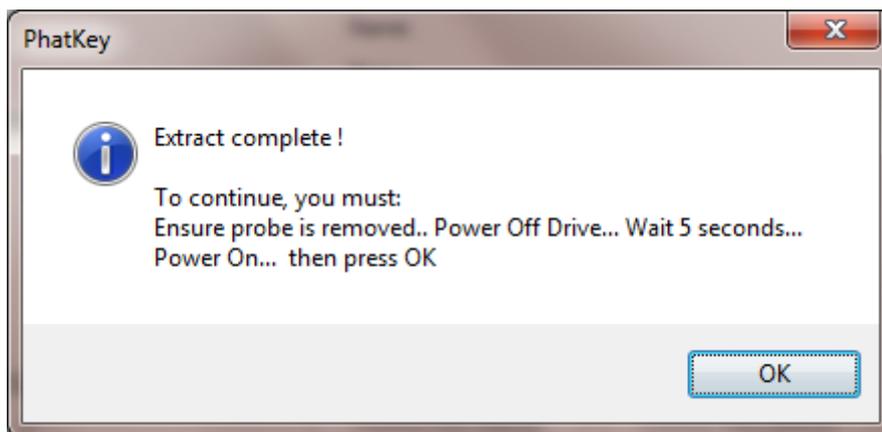
Switch Drive Power ON again

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

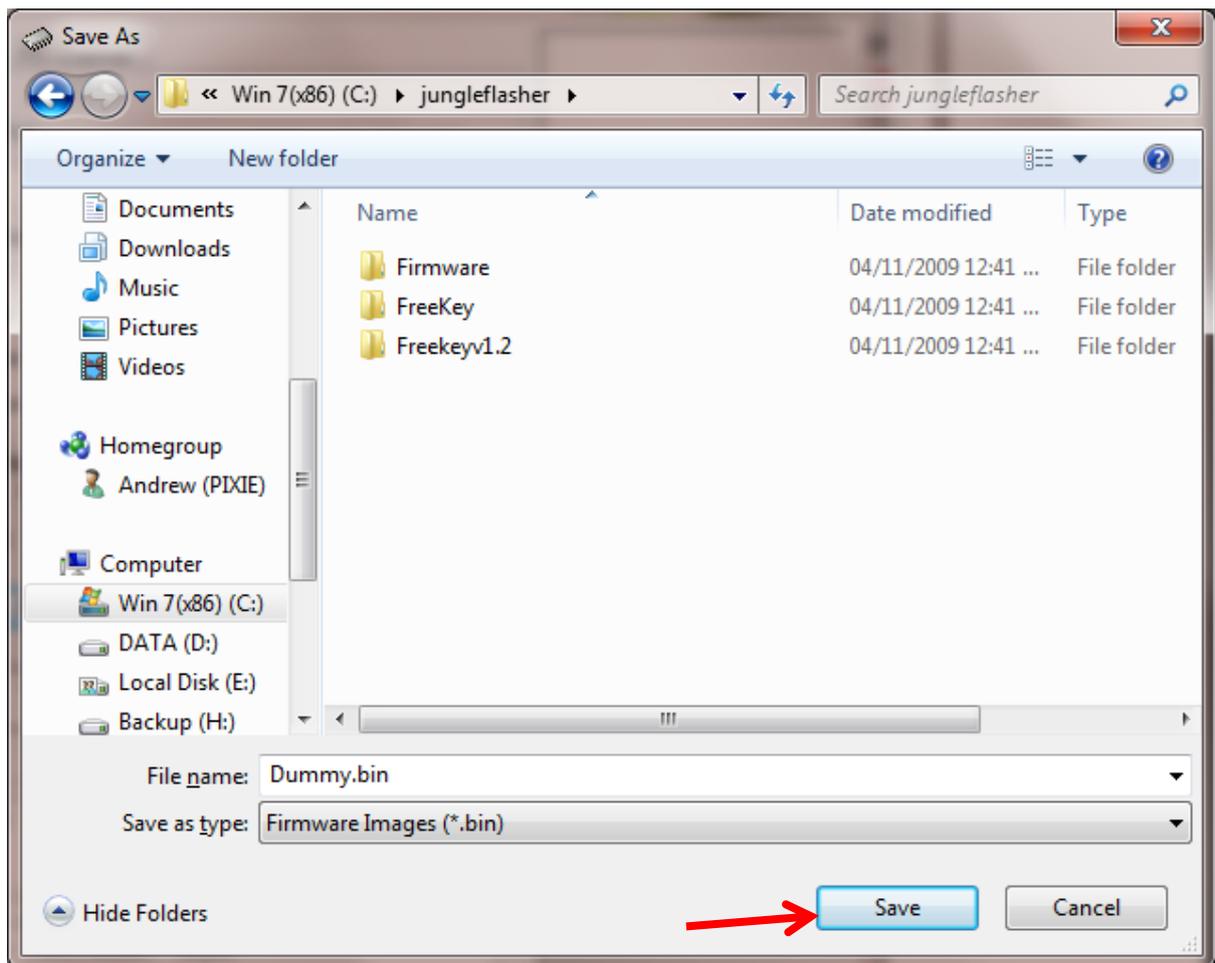
Switch drive power back ON

Then Press "OK"

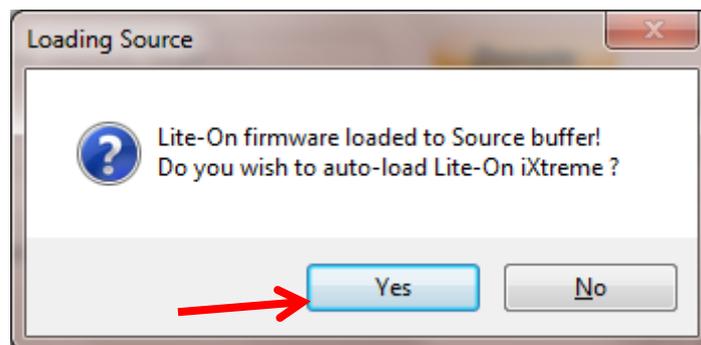
IF All has gone well

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 screenshot shows the JungleFlasher 0.1.79 Beta application window. It features a menu bar with options: FirmwareTool 32, DVDKey 32, MTK Flash 32, Hitachi GDR3120, and IRC Channel. The interface is divided into several sections:

- Source:** Contains a file path field with 'C:\jungleflasher\Dummy.bin'. Below it is a table with columns: Vendor, Model, Rev, Firmware Type, and DVD Key @. The data row shows: Lite-On, DG-16D2S, 93450C, Phatkey extract, and F8F6D0A9C49AC7CD715326092E6118E4. Below the table is the OSIG: [PLDS DG-16D2S 9345].
- Target:** Contains a file path field with 'D:\JFBeta.0.1.69\Firmware\LTPlus-934v1.1.bin'. Below it is a table with columns: Vendor, Model, Rev, Firmware Type, and DVD Key @. The data row shows: Lite-On, DG-16D2S, 93450C, LT-Plus 1.1, and F8F6D0A9C49AC7CD715326092E6118E4. Below the table is the OSIG: [PLDS DG-16D2S 9345].
- Buttons:** A blue 'Spoof Source to Target' button is positioned between the Source and Target sections. A yellow 'Donate' button is to its right. Other buttons include 'Save Drive Key', 'Open Source Firmware', 'Open Target Firmware', 'Manual Spoofing', and 'Save to File'.
- Log:** A text area at the bottom displays the following output:

```
Firmware Osig: [PLDS DG-16D2S 9345]
Firmware is: LT-Plus 1.1
Spoofing Target
DVD Key copied to target
Inquiry string copied to Target
Identify string copied to Target
Serial data copied from Source to Target
No Calibration data in source
```

A red double-headed vertical arrow is drawn over the DVD Key fields in both the Source and Target tables, indicating that the keys must match.

On the right side of the window, there is an advertisement for 'mt:uk' (www.mototraders.co.uk) featuring a green Xbox 360 DVD drive. The ad text includes: 'Compatible with Xbox 360 DVD drives Hitachi, Samsung, Benq & Liteon (FAT)', 'Price \$59.95', and 'X360USB PRO WORLD WIDE SHIPPING'.

**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.

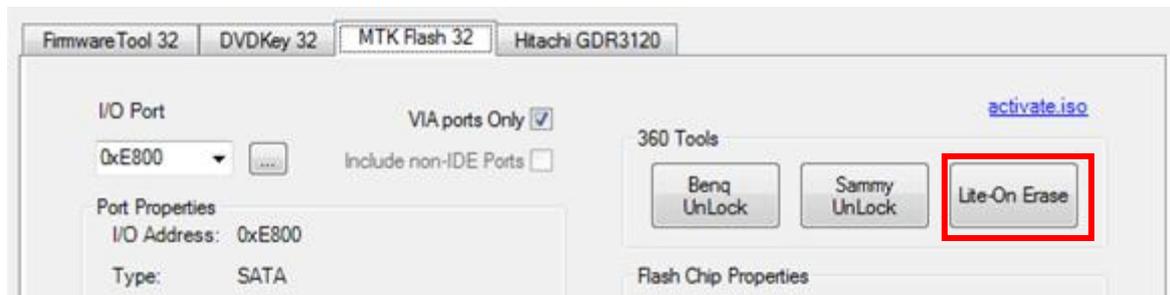
PLEASE READ THE WARNINGS ABOVE.

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

Click the **MTKFlash 32** Tab.

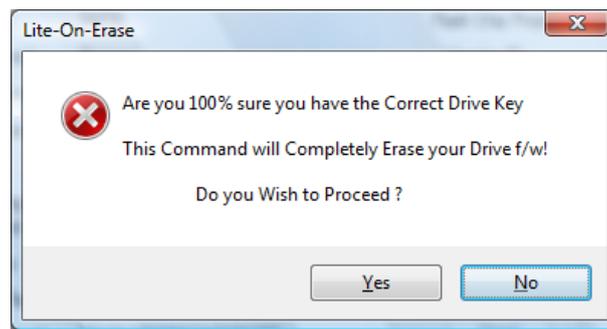


Verify I/O Port is correct(for your setup!) and click **Lite-On Erase**.



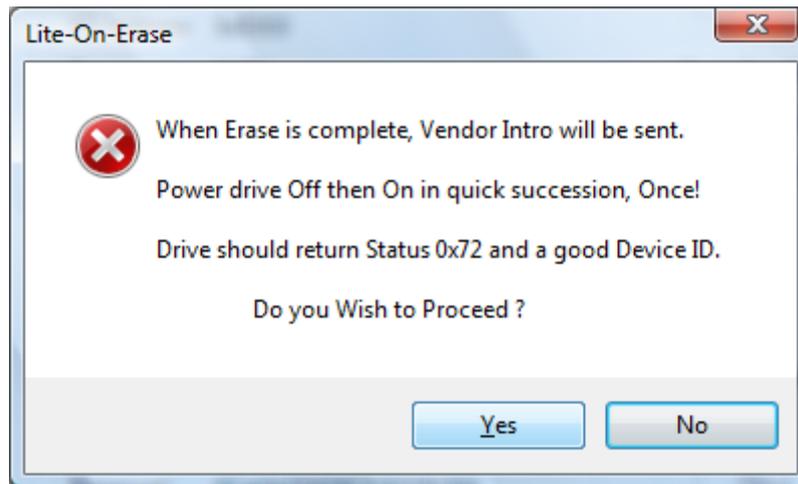
JungleFlasher will warn of the importance of having a verified **Good Drive Key**.

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**.

```
Reading Bank 2: .....
Reading Bank 3: .....
Write verified OK !

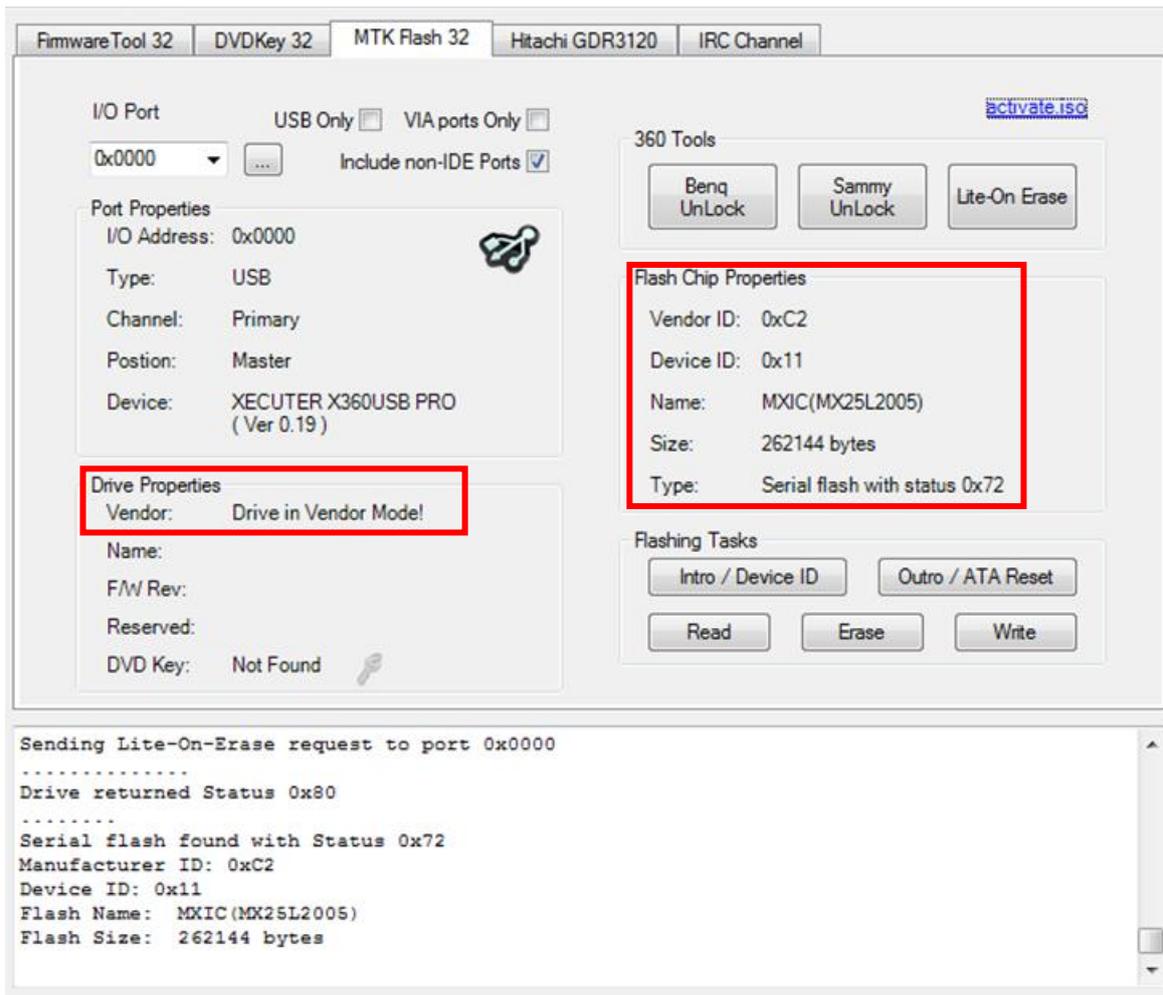
Sending Vendor Outro to port 0xCF00

Sending Lite-On-Erase request to port 0xCF00
.....
Drive returned Status 0xD0
..
```

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

The screenshot shows the 'MTK Flash 32' window. The 'I/O Port' is set to '0x0000'. The 'Device' is 'COMPUTER X360USB PRO (Ver 0.19)'. The 'Drive Properties' section is highlighted with a red box and contains the following information:

| Drive Properties |                                                                                              |
|------------------|----------------------------------------------------------------------------------------------|
| Vendor:          | PLDS                                                                                         |
| Name:            | DG-16D2S                                                                                     |
| F/W Rev:         | 9345                                                                                         |
| Reserved:        | 0CA0A2D610CG93691000                                                                         |
| DVD Key:         | Verified  |

The 'Flashing Tasks' section also has a red box around the 'Outro / ATA Reset' button. The 'Running Log' at the bottom shows the following output:

```
Reading Bank 3: .....
Write verified OK !

Sending Vendor Outro to port 0x0000
Drive is Lite-On..

Key found in KeyDB at record (48 - jungleflasher)
Key is: F8F6D0A9C49AC7CD765F96092E6118E4
Key has been tested and verified, thanks C4eva !
```

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!**