



ActivBoard 500 PRO

Pen/Touch Re-alignment Guide

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1) Re-alignment of Grids

1.1 PEN & TOUCH CALIBRATION

1.1.1 OPERATING SYSTEM REQUIREMENTS:

Operating System: Windows XP SP3 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.4 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 9.10 or 10.04; Debian Lenny; Linex Colegios 2010; Linkat 3; ALT_Linux (Russia)

Driver Required: 5.7.22

Note: If you have the latest version of ActivInspire ~ 1.5 (which you will need to operate the ActivBoard 500 Pro) you will already have Driver 5.7.22.

1.1.2 CALIBRATION PROCEDURE:

STEP 1

Connect the USB cable from the ActivBoard 500 Pro to your PC

- Once the board is recognised, you will see a YELLOW light flashing on the top left corner of the board. (The Globe Symbol)
- Once the board start up is over, The YELLOW light turns into a constant WHITE light.

ATTENTION

DO NOT TOUCH THE BOARD WHILE IT IS CALIBRATING
(while YELLOW light is flashing)

STEP 2

- Touch the Board with an ActivPen and check if it operates correctly.
(You should be able to drag/move the mouse pointer with the pen)
- Now touch the board with a finger and check if it operates correctly.
(You should be able to drag/move the mouse pointer with your finger)
- This test is done to make sure the board is fully operational and it is in System Mode.

Hints:

- If TOUCH or PEN is not working correctly then unplug the USB cable from the PC. Wait for a minute and then plug the USB cable back into the PC.
- The Globe light should start flashing YELLOW automatically. If the light does not flash then check if the board is powered up properly and check all other power options.
- If the problem still persists, then plug the USB cable to another USB port of the PC and see if the board starts up automatically.

STEP 3

Make sure you print out and have the **Calibration Template** from Section 3 to hand – it is to scale (208mm or 8.19in x 108mm or 4.25in). Get some scissors and cut the template out.

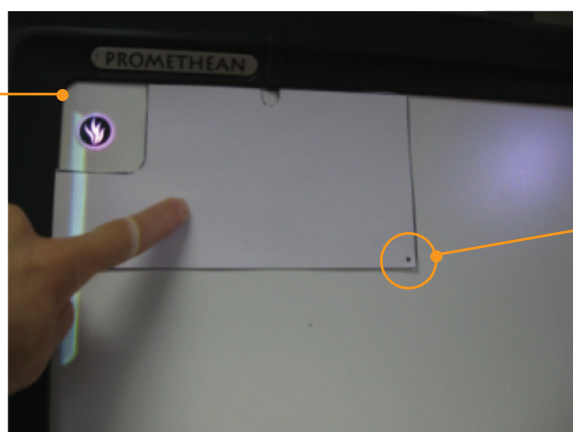
STEP 4

Taking the **Calibration Template** carefully position it in each of the 4 corners of the Active Area of the board, and using a pencil make a slight pencil mark directly onto the ActivBoard. Use the template to guide you where to put the pencil mark.

Hints:

- It might be easier to just have a blank white screen on the board so you can easily see where you've marked the pencil points

Corner gap
indicates
correct position

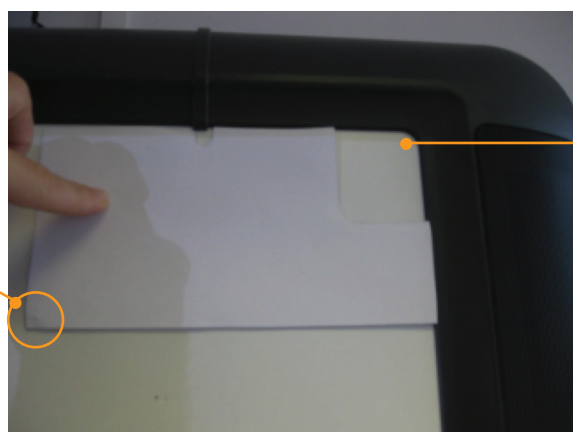


Make a pencil
mark on the
board here

Top left hand Corner

Now **flip the template over** and position it as below in the top right hand corner:

Make a pencil
mark on the
board here



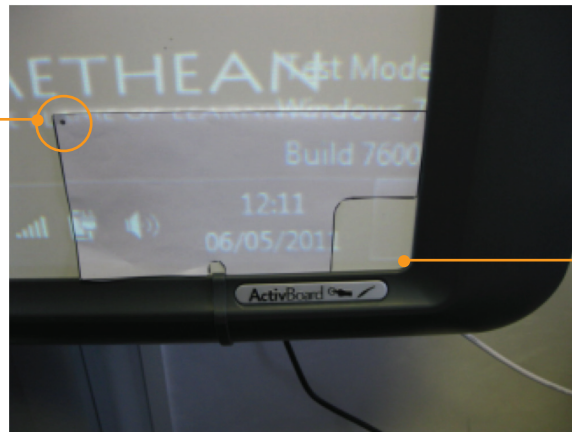
Corner gap
indicates
correct position

Top right hand Corner

ActivBoard 500 PRO Range

Now flip the template back to its normal position and place in the bottom right hand corner as below:

Make a pencil mark on the board here

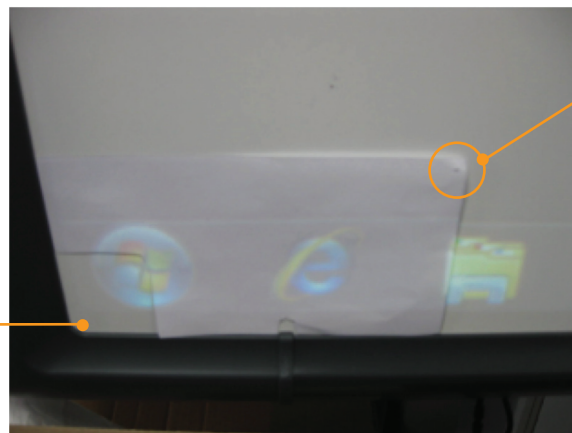


Corner gap indicates correct position

Bottom right hand Corner

Finally flip the template back over again and place in the bottom left hand corner as below:

Corner gap indicates correct position



Make a pencil mark on the board here

Bottom left hand Corner

ATTENTION

All pencil marks on the board should be at exactly the relative same positions. If this is not the case then you have used the template incorrectly. Please replicate exactly as the pictures show.

NOW

For Windows users: GO TO STEP 5

For Mac users: GO TO STEP 6

For UNIX users: GO TO STEP 7

STEP 5

For Windows users: You will need to set up the Calibration Touch file.

5a: Open up Windows Explorer or My Computer from your Start Menu. Locate the folder **Program Files** from the drive where the Operating System is installed (usually C:).

5b: Double click on **Program Files**, and then double click on **Activ Software**. Finally double click on **ActivDriver**.

5c: Now within the ActivDriver folder you will see a file called "activcalibrate". Right-click on this file and select "Create Shortcut". Drag the shortcut onto your desktop.



5d: Locate the shortcut on your desktop



5e: Right click on this icon and select **Properties**. In the field titled "Target", you need to enter SPACE then "/touch " after the text "C:\Program Files\Activ Software\ActivDriver\activcalibrate.exe"

Therefore the final text should now read exactly as follows:

"C:\Program Files\Activ Software\ActivDriver\activcalibrate.exe" /touch

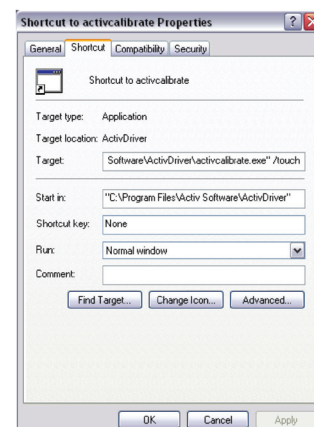
5f: Select OK to close this box down

5g: To run the Pen/Touch Calibration procedure, simply double click on the **"Shortcut to activcalibrate"** file.

Go to Step 8.

Hints:

- If the **Shortcut to activcalibrate** file does not run, please reboot your machine and then re-run the file by double clicking it (once the ActivBoard has run its self test and the Globe is constant white).



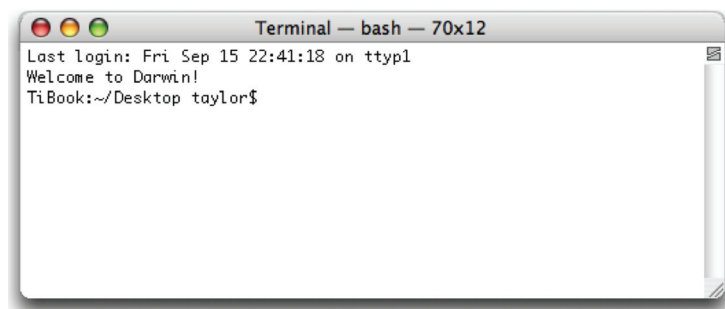
ActivBoard 500 PRO Range

STEP 6

For Mac users: you will need to open a Terminal Window.

Open up your **Applications** folder, go into the **Utilities** folder and double-click on **Terminal** (or, possibly, **Terminal.app** depending on how you have the Finder configured).

It will look something like this:



Once open you need to type the following:

```
/Applications/Promethean/ActivDriver/activcalibrate.app/Contents/MacOS/activcalibrate --touch
```

Go to step 8.

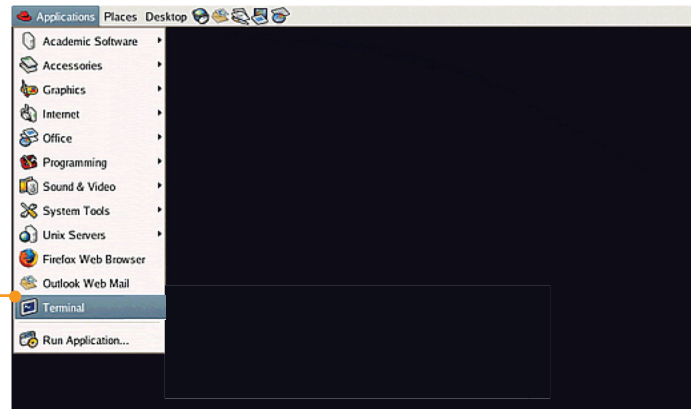
ActivBoard 500 PRO Range

STEP 7

For **UNIX** users: you will need to open a Terminal Window.

To open an UNIX terminal window, click on the "Terminal" icon from Applications/Accessories or System Tools menus.

Access the
Terminal here



If in doubt open the following link for more assistance on where to access a Linux Terminal: <http://www.psychocats.net/ubuntu/terminal>

An UNIX Terminal window will then appear with a % or :~\$ prompt, waiting for you to start entering commands.



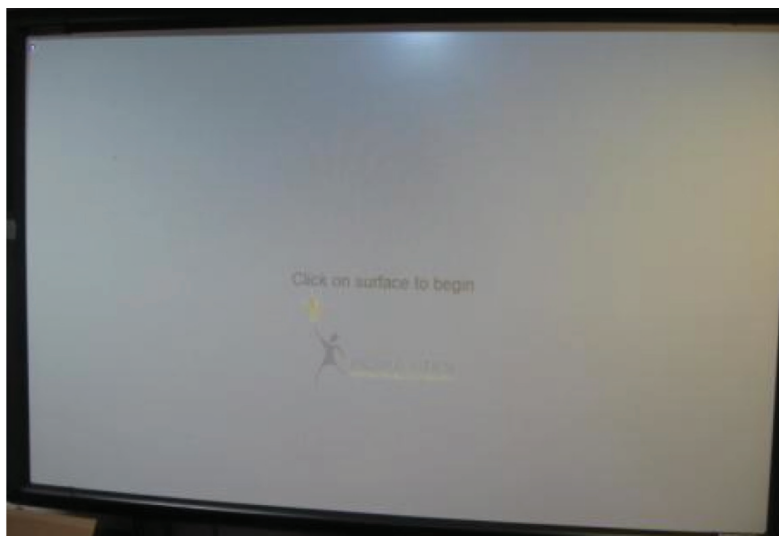
Once open you need to type the following:

activcalibrate --touch

Go to step 8.

STEP 8

For Windows users, once you have setup and run the “shortcut to activcalibrate” file OR typed in the commands for MAC or UNIX users, you will see a GREY window as follows. The screen will show “Click on surface to begin” as below:



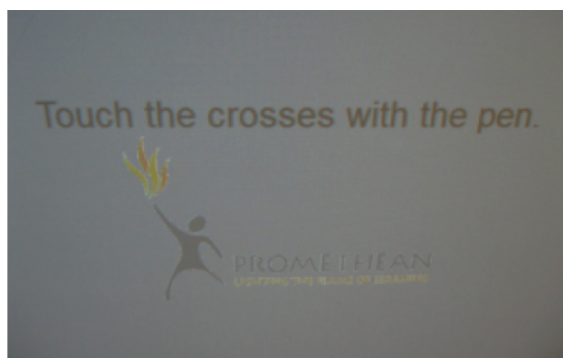
Tap the screen with an **ActivPen**.

ATTENTION

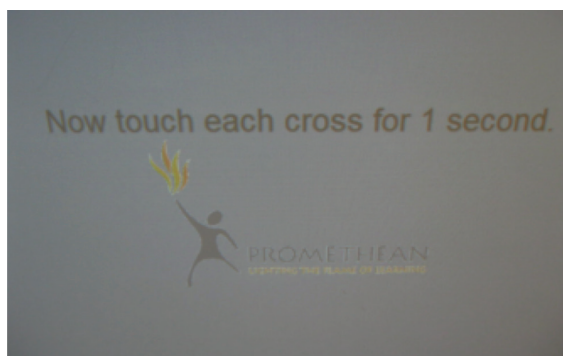
THE CROSSES IN THE CORNERS OF THE CALIBRATION WINDOW ARE NOT USED IN THIS PROCESS – YOU WILL USE THE PENCIL MARKS YOU HAVE CREATED INSTEAD.

STEP 9

Follow the on-screen instructions to perform the pen/touch alignment calibration. A PEN and TOUCH event on the pencil marks represents the cross (+) on the screen. There is one point in each of the 4 corners for the pen followed by touch.



Touch the **Pencil Marks with an ActivPen** in the correct order as indicated by the on-screen instructions



NOW Touch the **Pencil Marks with your finger** in the correct order as indicated by the on-screen instructions

ATTENTION

DO NOT lean or touch the board in any other way when performing the "Touch" calibration. The only contact you should have with the Board surface is with a single finger **ONLY** on each of the Pencil Marks in the correct sequence.

Hints:

- Use your **little finger** to perform the calibration for better accuracy.
- If the touch is not recognised even after couple of seconds, wiggle the finger around the point of contact.

STEP 10

Once the calibration is done, the GREY screen disappears automatically.

STEP 11

Now calibrate the board again using the standard “**ActivPen Only**” method of calibrating a Promethean ActivBoard (Hold the ActivPen to the Promethean globe for a few seconds OR use the ActivManager icon and select “Calibrate”. Simply follow the on-screen instructions). You **DO NOT** need to run the shortcut to activcalibrate file (Windows users) or enter the MAC or Linux commands again. Simply use the standard method.

STEP 12

Quick Test

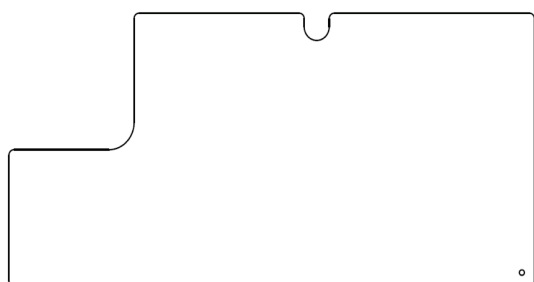
- Perform a simple test. Choose a point in the board. Touch the point with PEN and then a finger. This is done to verify the Pen & Touch alignment.
- If there appears a considerable Offset (Say greater than 1 cm) between PEN & Touch, then repeat the procedure (from STEP 5 for Windows Users, STEP 6 for Mac Users or STEP 7 for LINUX Users) for better results.

STEP 13

Get a rubber and gently rub off the pencil marks from your ActivBoard!

2) Required Items

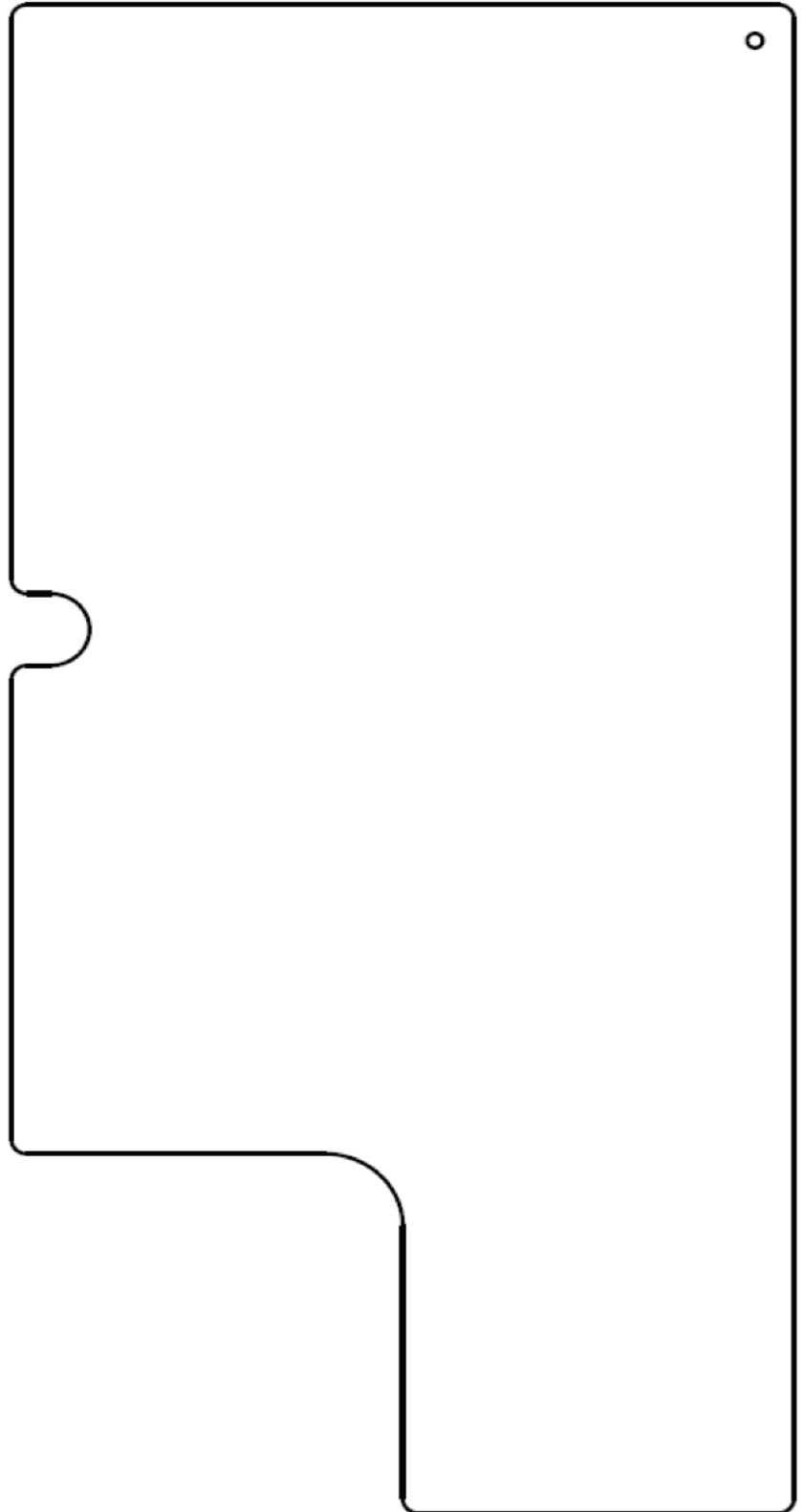
Calibration Template (See section 3.)



3) Calibration Template

Print the following template to scale and cut it out.

For Information:
Actual Dimensions required,
208mm(8.19in) x
108mm (4.25in)



For more information visit Promethean Knowledgebase: www.PrometheanKB.com