# Single Touch Driver

## Installation and Setup

# Single Touch Driver

## Just like a traditional mouse, it recognises a single finger touch, drag, and pinch and zoom

**Installation instructions for**
**MS Windows**
**Linux (Ubuntu/Kubuntu)**
**Linux (Fedora)**
**Mac OS**
**Set up instructions for all drivers**
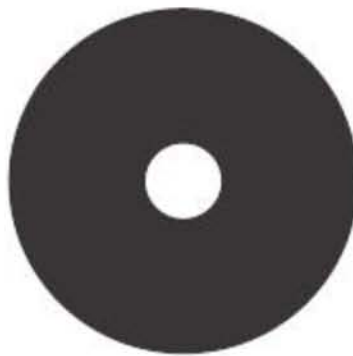
# Single Touch Driver

## MS Windows

**WMA9**

# Stage 1
# Installing single touch driver for MS Windows from DVD

The single touch driver software is available as a downloadable file

The driver software is also included in the Windows folder within the touchfoil™ driver DVD

Supported system platforms:

Windows XP
Windows Vista
Windows 7 (32bit/64bit)

## STEP 1

Insert the touchfoil™ driver DVD into your computer DVD drive. If the installation does not start automatically browse to the DVD drive, right click the drive name and then do one of the following:

In Windows 7 or Windows Vista, click **Install** or **run the program**

In Windows XP, click **Autoplay**

## STEP 2

The following menu will appear:



Install touchfoildriver - MA9 Driver

Exit

During install the following message appears,. If Java is already installed please select **no** as a reinstall is not required



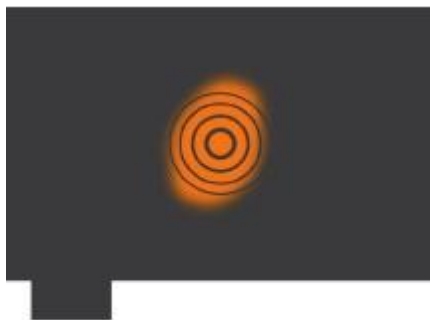This software has already been installed on your computer. Would you like to reinstall it?

Yes    No

Click on install **the touchfoil driver** and follow the on screen instructions

Once you have finished your installation click on **exit** to exit the installation



Install touchfoildriver - MA9 Driver

If you wish the driver to automatically start after installation click on the **launch driver** check box



Completing the touchfoildriver-MA9 Setup Wizard

touchfoildriver-MA9 has been installed on your computer.

Click Finish to close this wizard.

Launch MA9 Controller

< Back    Finish    Cancel

# Stage 2
# Set up single touch driver for touchfoil™



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touchfoil™ page 16

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# Single Touch Driver
## Linux (Ubuntu/Kubuntu)
**LMA9**

# Stage 1
# Installing Ubuntu single touch driver from CD

The single touch driver software is available as a downloadable comressed .tar file,

The driver software is also included in the Linux folder within the **touchscreen** driver DVD

## STEP 1

Insert DVD and copy the **Linux folder** to your desktop or download and save to your desktop

Open a terminal window and navigate to the Linux folder

## STEP 2

The application is delivered as a zipped archive

touchfoildriver–U–LMA9–install.tar.gz

## STEP 3

To extract

tar zxvf touchfoildriver–U–LMA9–install.tar.gz

Navigate to the extracted directory cd **touchfoildriver-LMA9install**

Now type the following: **sudo ./lma9install**

(Root privileges are needed for a successful installation) enter root password

```
Terminal
File Edit View Terminal Help
milesj@ubuntu:~/lma9touchfoil$ sudo ./lma9install
```

The **install script**:

Will request you accept the license agreement

It will check for the required java runtime libraries, if not found it will install them

The application will be installed into **/usr/local/touchfoildriver-LMA9**, do not change as management scripts look for this pathname

The touchfoil™ driver requires root UID to run, the script will add an authorisation file in **/etc/udev/rules.d**
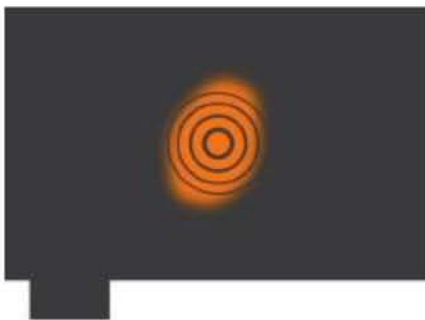
The script will ask if the **touchscreen  driver** needs to be started on system boot-up. If this is required it will create the appropriate entry in the current users autostart directory and a desktop shortcut will be placed on the users' desktop to manage the single touch driver user interface

The script will continue and start the single touch setup and user interface

**Internet access is mandatory for this step**

# Stage 2
# Set up single touch driver for touchfoil



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# Single Touch Driver

## Linux (Fedora)

**LMA9**

# Stage 1
# Installing Fedora single touch driver from CD

The single touch driver software is available as a downloadable compressed .tar file

The driver software is also included in the Linux folder within the **touchscreen** driver DVD

Systems platforms:
Fedora13 (Goddard)

### STEP 1

Insert DVD and copy the **Linux folder** to your desktop or download and save to your desktop

Open a terminal window and navigate to the Linux folder

### STEP 2

The application is delivered as a zipped archive

touchfoildriver-F-LMA9-install.tar.gz

### STEP 3

**To extract** [copy to a temporary folder or user area]

tar zxvf touchfoildriver-F-LMA9-install.tar.gz

Now change into the extracted directory

cd touchfoildriver-LMA9install

### STEP 4

Now type the following:

./lma9install [Root privileges are needed for a successful installation] enter root password

```
milesj@FedoraTest2:~/Desktop/TESTAREA/lma9touchfoil
File  Edit  View  Terminal  Help
[milesj@FedoraTest2 lma9touchfoil]$ ./lma9install
```

The install script will run

It will request you accept the license agreement. It will then check for the required java runtime libraries, if not found it will install them

The application will be installed into **/usr/local/touchfoildriver-LMA9**, do not change as management scripts look for this pathname

The driver requires a root UID to run, the script will add an authorisation file in **/etc/udev/rules.d**

The script will ask if the **touchscreen  driver** needs to be started on system boot-up, if required it will create the appropriate entry in the current users autostart directory

A desktop shortcut will be placed in the user's desktop to manage the Controller user interface

The **touchscreen** driver will now automatically start

# Stage 2
# Set up single touch driver for touchfoil

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# Single Touch Driver

## MacOS

**MMA9**

# Stage 1
# Installing MacOS single touch driver from CD

The single touch driver software is available as a downloadable package

The driver software is also included in the Mac folder within the **touchscreen** driver DVD

System platforms:
Leopard
Snow Leopard
Lion

Insert DVD and copy **MacOS folder** to your desktop or download and save to your desktop

The application is delivered as a standard **Apple Mac Package** touchfoildriver-MMA9.mpkg

touchfoildriver-MMA9

Open the package and the following Menu will appear

Follow the onscreen instructions, which will take you through the following steps:

Introduction

Readme

License agreement
Please accept Destination Do Not Change Installation from default /Applications/touchfoildriver-MMA9

Installation
Requires **root** privileges type your own password
Installs single touch driver and desktop short cut

Summary
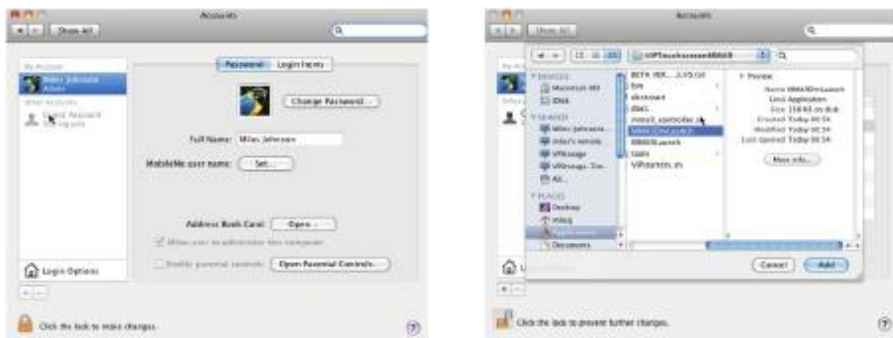Install complete, single touch driver will automatically start

Instructions on how to auto start single touch driver on user login

Navigate to system preferences

Open user accounts

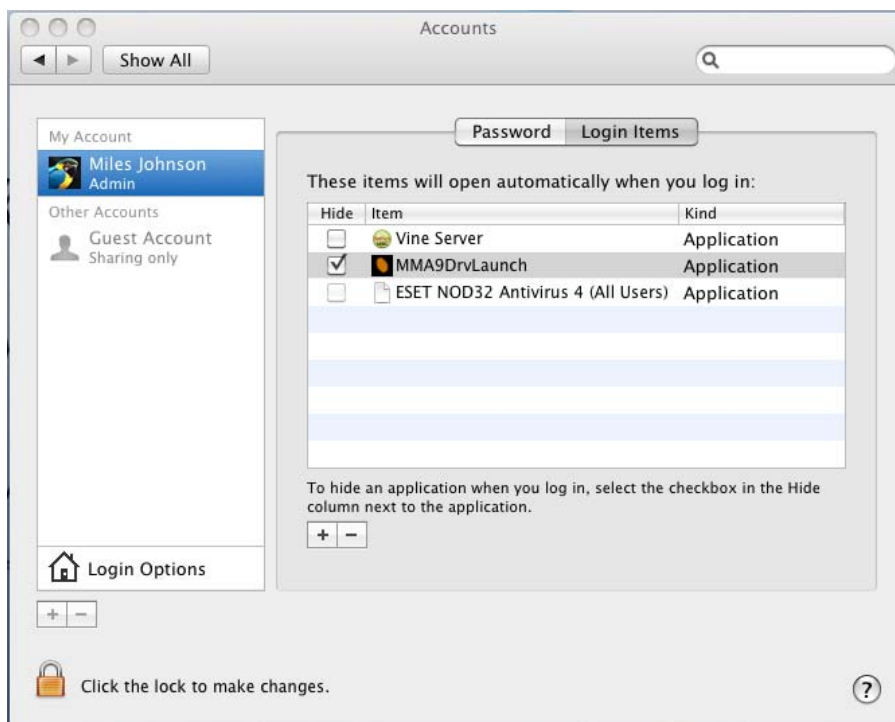Open the **Login Items** and click the **+** sign at GUI bottom left corner

Navigate to **/Applications/touchfoildriver-MMA9/MMA9DrvLaunch** and **Add**
This will add the MMA9DrvLaunch program to the users login procedure to
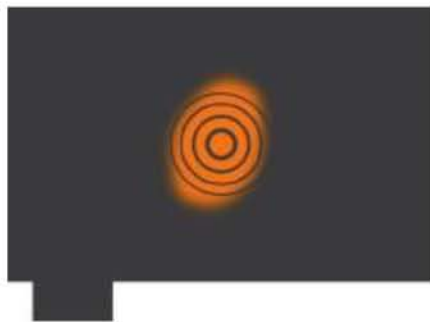launch the single touch driver automaticall

The following will appear in the users **Login Items,** now **save** and **exit**.
Now Re-boot and the single touch driver will start on user's logon

# Stage 2
# Set up single touch driver for touchfoil



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# Set up
## Single Touch Driver

## Language Selection

If you selected automatic start up on installation you will be presented with a drop down menu, to select the language of single touch driver, if not then click on the touchscreen driver-MA9 desktop shortcut to start the driver
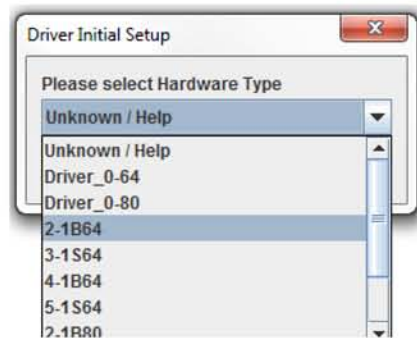
It is possible to customise for additional languages, please contact your supplier for details

Select Language

OK    Cancel

## Driver Selection

Select the correct driver from the drop down menu

If you accidently select the incorrect driver click the factory reset button (systems tab) and restart the setup process

It is vital at this point to select the correct driver for your touchscreen

Correct driver located on the tail of the touchscreen

Driver Initial Setup

Please select Hardware Type

Unknown / Help

Unknown / Help
Driver_0-64
Driver_0-80
2-1B64
3-1S64
4-1B64
5-1S64
2-1B80

42 -16x9-  _3-1S64-

Single touch driver user interface

Windows/Linux                          MacOS X

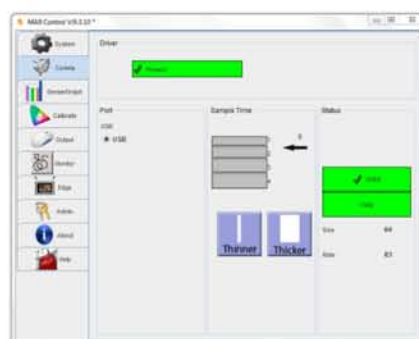## Communications

Check the touchfoil™ is communicating, click on comms tab

Check driver present, open and valid boxes are green

## Calibrate

Click on **calibrate** tab

Click with the mouse the **Calibrate** box to begin calibration process

Touch each **target** in turn, with your finger, as they appear

If the system will not calibrate go to step 8 and adjust the sensitivity of the **touchscreen**
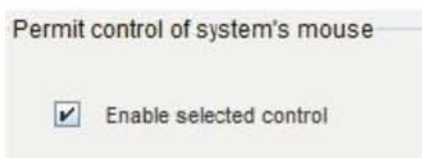
## Touch control

Click on the **output** tab

Select the touch control you require

Click on **enable selected control** tick box to enable touch control otherwise your **touchscreen** will not register a touch

Close Driver and **Save** configuration as instructed

**The following steps 8 and 9 are only required if the touchfoil™ is too sensitive or not responding or the thickness of your material is above 12mm**
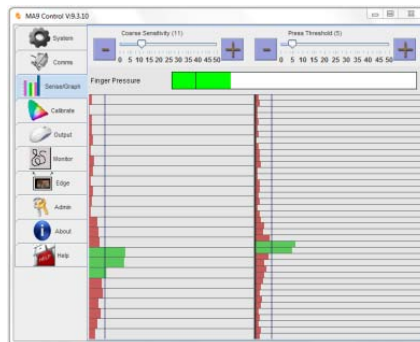
## Sense/Graph Tab

Adjust sensitivity and finger pressure levels in small increments only

Used to set up touch sensitivity and monitor wire indicator movement

Our default setting will allow you to work through 4-12mm of material

If the touch is too sensitive or insensitive adjust in SMALL increments the sensitivity and finger pressure controls to achieve the required result

A touch is achieved when the green bar exceeds the finger pressure bar indicator (black line)
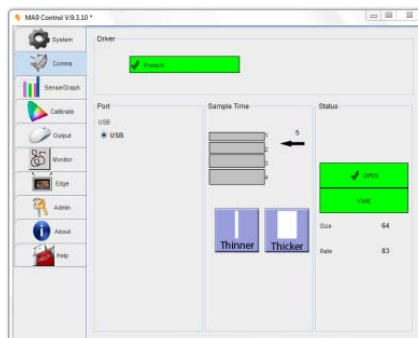
## Comms Tab

Displays driver status

Allows adjustment of sample time if required, which sets the driver for different thicknesses of material

The default sample time of 5 = 4-12mm of material, 10 = 12-15mm 15 = 15-25mm

It is important to leave the default sample time setting of 5 unless your material is thicker than 12mm

When installing the **touchscreen** with an LCD display an air gap is required between the back of the **touchscreen** and the LCD display. The distance of the air gap is dependent on the size of the LCD display. For example, a 40" **touchscreen** requires a 4-6mm gap and a 55" **touchscreen** requires a 6-10mm gap

The earth lead on the USB cable must be connected to a clean metal point on the LCD metal casing. This will reduce the interference that is caused by the LCD unit

Route the **touchscreen** USB cable away from all mains, VGA and power supply cables

Only move the sensitivity/press threshold levels in small increments if the touchfoil™ is either too sensitive or non-responsive to your touch

During the driver install process a **short cut** of the single touch driver is placed in the **start-up** folder, this enables the single touch driver to automatically start on system boot up.

If you do not require the driver to auto start, remove the driver **short cut** from the start up folder

## TROUBLESHOOTING

### Unable to calibrate

Check you have installed the correct driver **touchscreen** not sensitive enough. Try using two fingers to touch the targets or slightly increase the sensitivity, once calibrated review sensitivity settings

### Graph moving but not responding to a touch

Make sure you have connected the controller board the correct way around

Increase sensitivity, or reduce press threshold level or both

### Random touches

**touchscreen** too sensitive - reduce sensitivity level

External interference – remove external interference if possible, Connect USB earth cable to a clean earth point

Check there are no other instances of any other touch drivers running