禾瑞亞科技股份有限公司
eGalax_eMPIA Technology Inc.

EETI eGTouch Utility Guide for Linux

TABLE OF CONTENTS

Sec 1:   Introduction

EETI driver provides a configuration utility for all kinds of controller. The following is features:

1. **Know Hardware information.**
2. **Easily to set rightclick, beep sound, constant touch filter and several other functions.**
3. **Tools for drawing test.**
4. **Provide 4/9/25 points Calibration.**
5. **Support multi devices.**

This document would help to use eGTouchU in detail.

Sec 2:   Setting Touch Parameters

The eGTouchU offers an utility to set touch parameters. This utility can be executed only when eGTouchD is running.

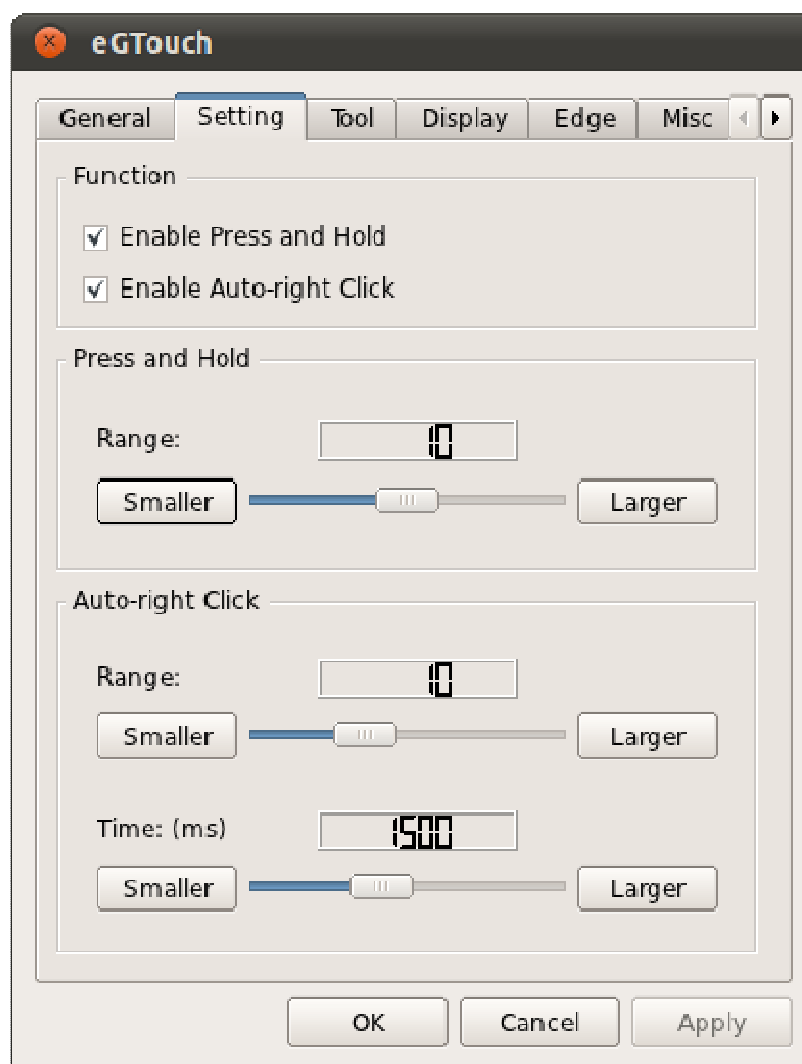There are several pages in the tool, and introduce as following.

2.1 General Page

Here shows the information of touch controller, and all the touch controller will be listed in the Touch Controller List.

Users can choose the icon in the list to change the devices if there are multi devices.

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2.2 Setting Page

Press and Hold:

Enable Press and Hold:	Some of the applications don't want to receive too many points when constant touch in the same location. Enable Press and Hold can help in this situation.
Range:	Choose the range when constant touch.

Auto-right Click:

Enable Auto-right Click:	Driver can provide right button click function when you constant touch for a while.
Range:	Choose the range when constant touch.
Times:	Choose how long you want to trigger right button click.

2.3 Tool Page
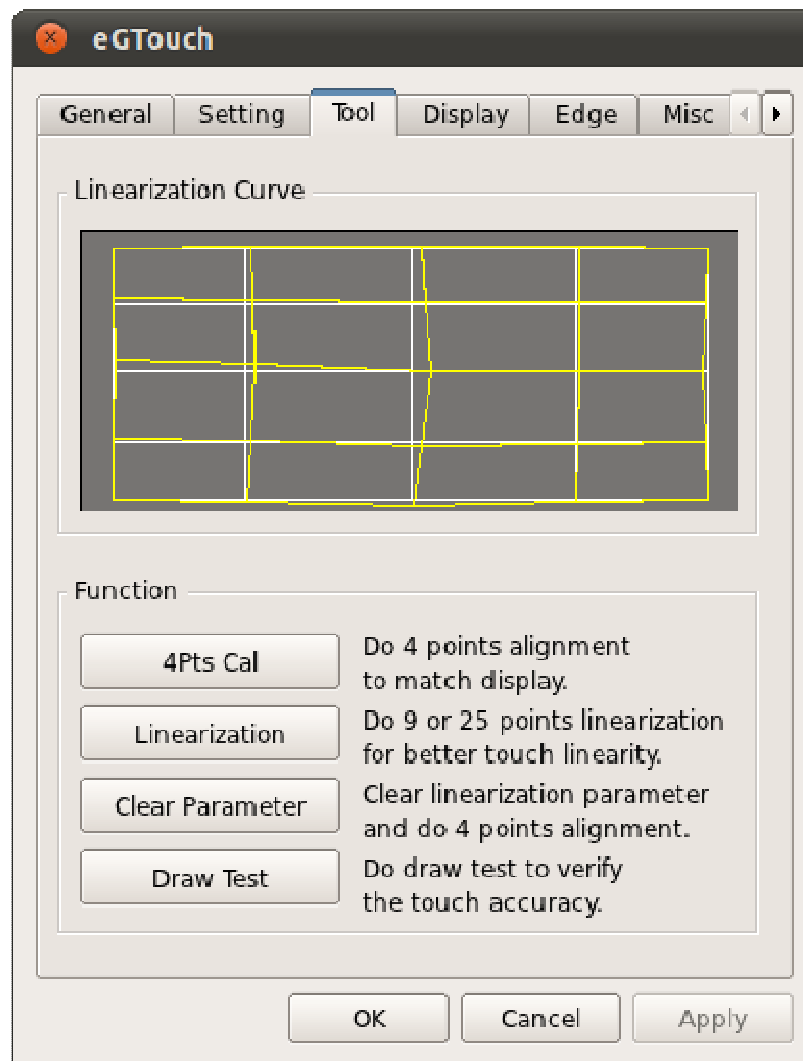
Linearization Curve:

The linearization curve will be shown after doing linearization.

4Pts Cal: (For Resistant or SCAP Panel)

Do 4 point Calibration can make direction of touchscreen correctly.

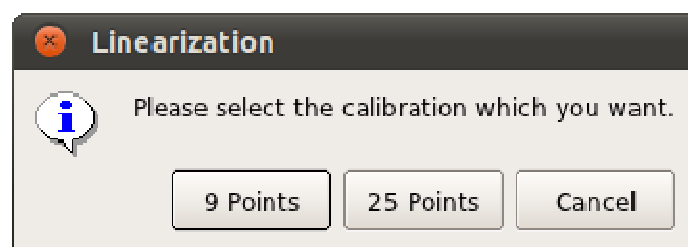Just touch the icon until it disappeared.

After calibration, a window will pop up and show the result.

Users can abort the calibration by pressing ESC.

Clear Parameter: (For Resistant or SCAP Panel)

Clear linearization parameters and redo the 4 points calibration. All the parameters for calibration will be cleared.
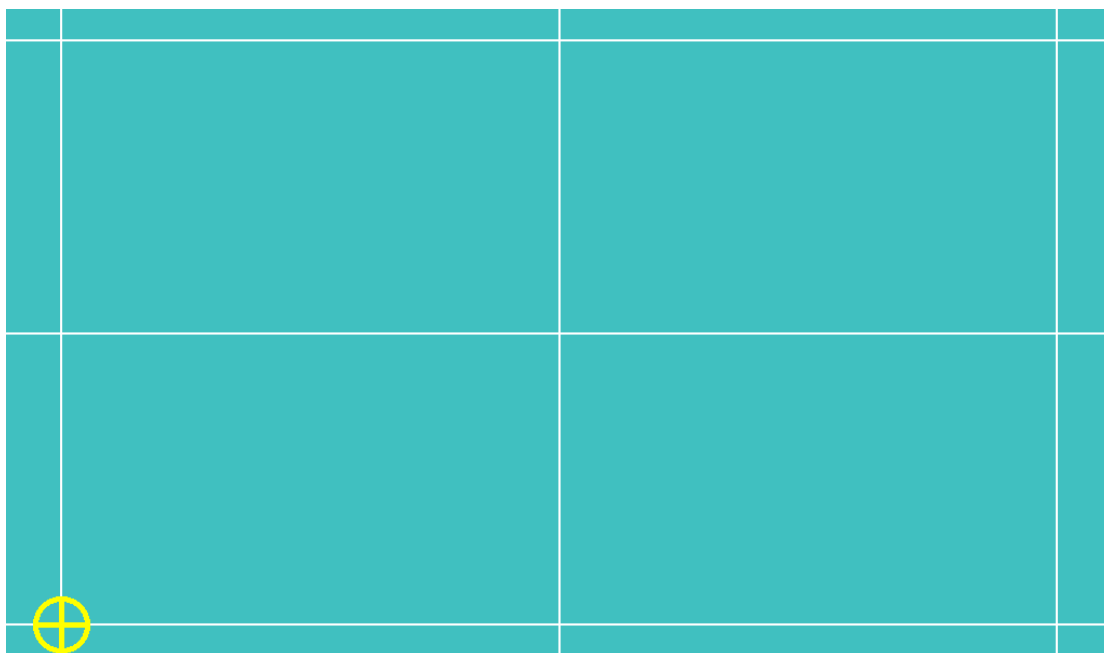
Linearization: (For Resistant or SCAP Panel)

9 and 25 points calibration is avaliable to select.

To make the performance of touch panel more linear, 9 and 25 points calibration is aquirable.

After doing calibration, all parameters will be overwritten.
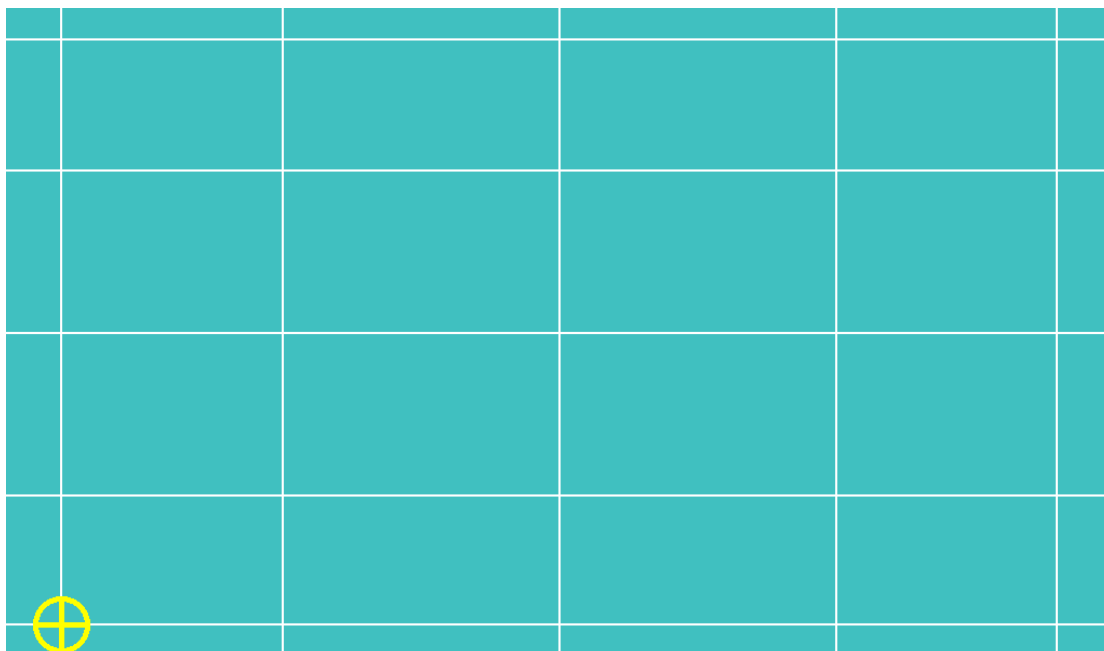
9 Points calibration:

Touch the icon until it disappeared.

After calibration, a window will pop up and show the result.

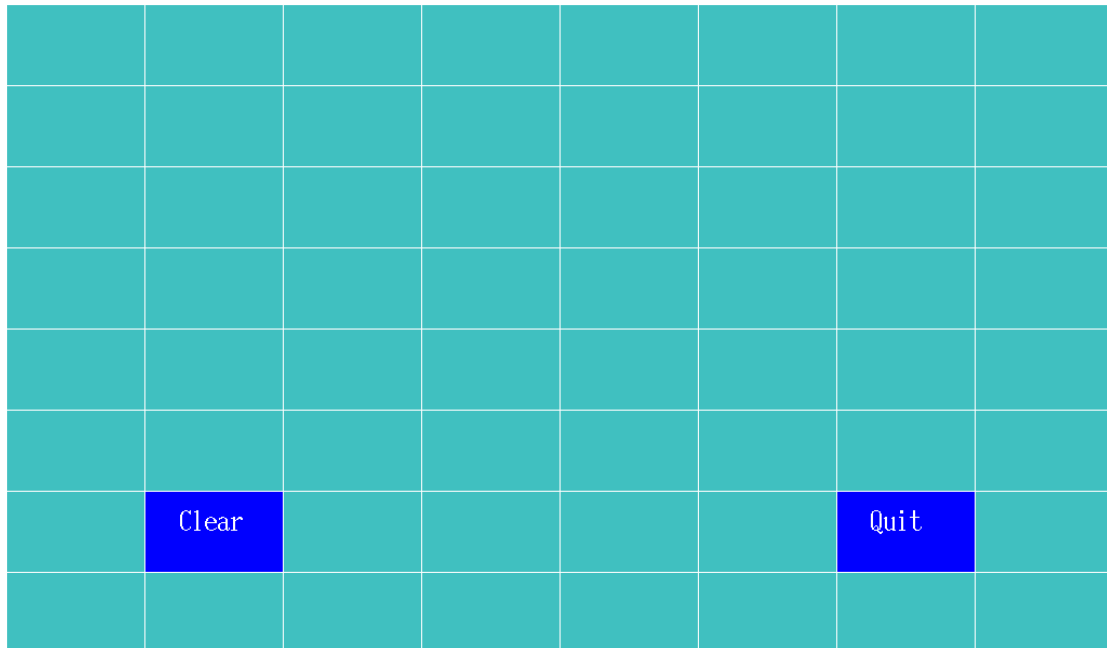Users can abort the calibration by pressing ESC.

25 Points Calibration:

Touch the icon until it disappeared.

After calibration, a window will pop up and show the result.

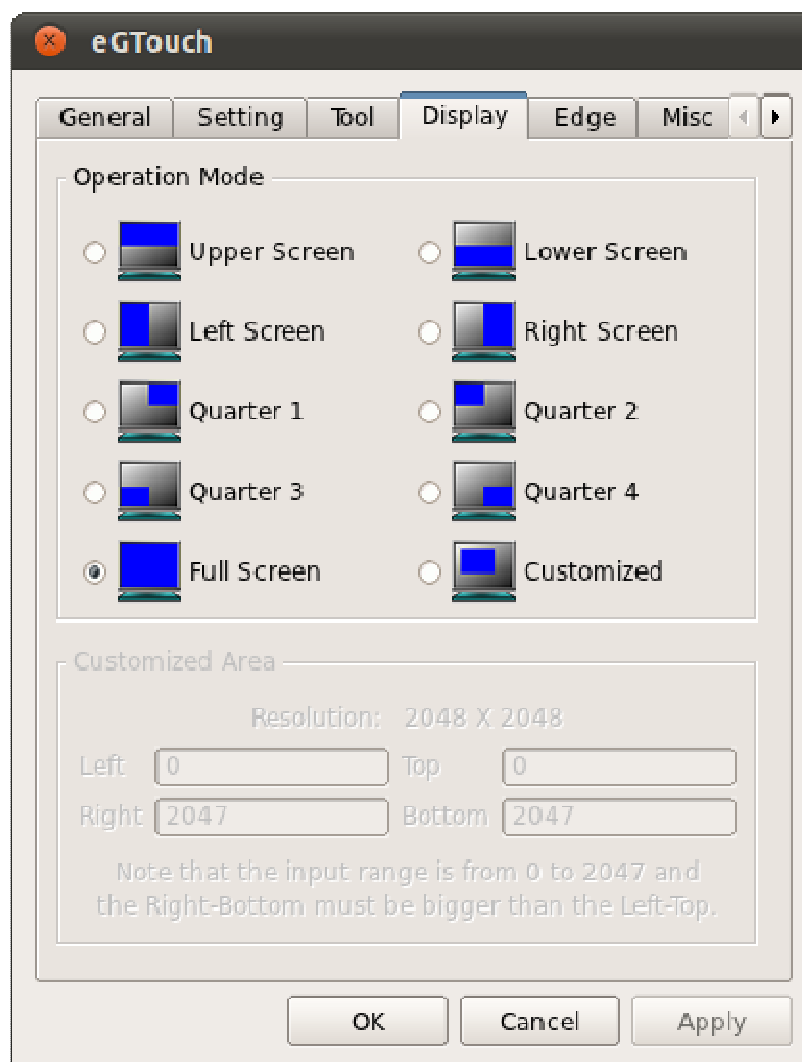Users can abort the calibration by pressing ESC.

Draw Test:

Check the touch performance in this section. Users can draw lines on the screen and make sure the touch accuracy, linearization, response time, etc.

Clear:	Clear the screen.
Quit:	Quit draw test application.

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## 2.4 Display Page

Operation Mode:

eGTouch provides 10 kinds of spilt mode. The user can choose any options to define where the touchscreen will be mapped on the screen.

Customized Area:

If Customized mode is chosen, users can enter the resolution they want from 0 to 2047.
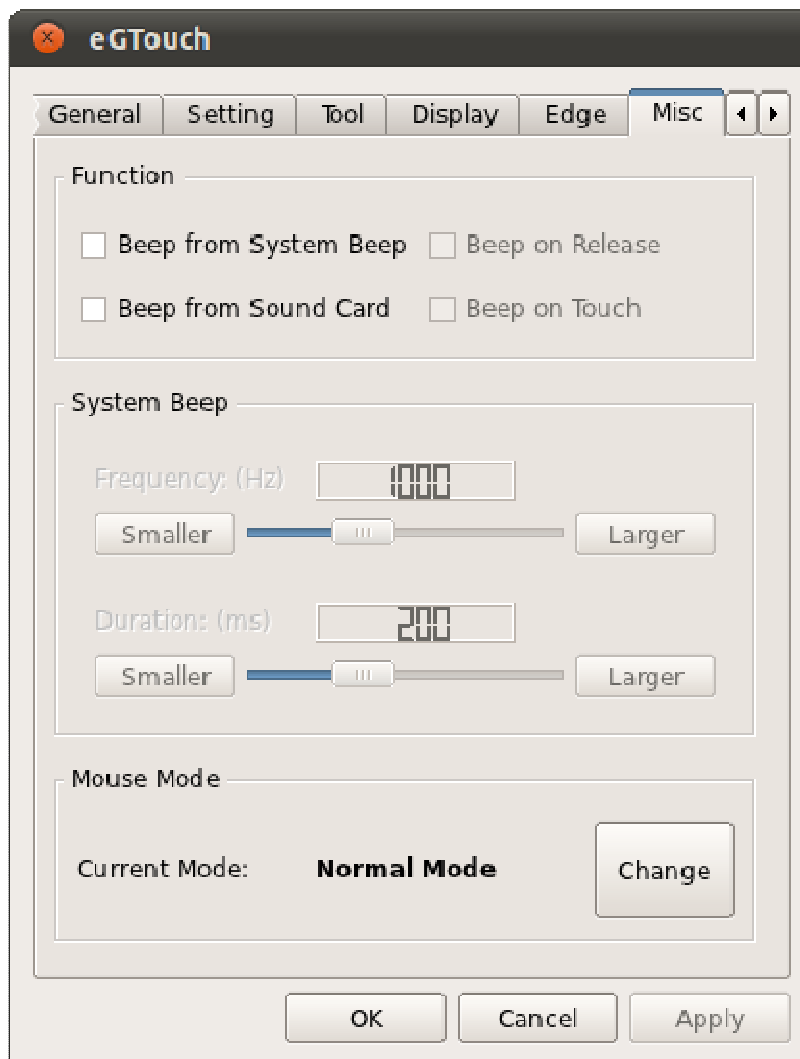
Notice that the resolution must be from 0 to 2047, and the right-bottom must be bigger than left-top.

2.5 Edge Page
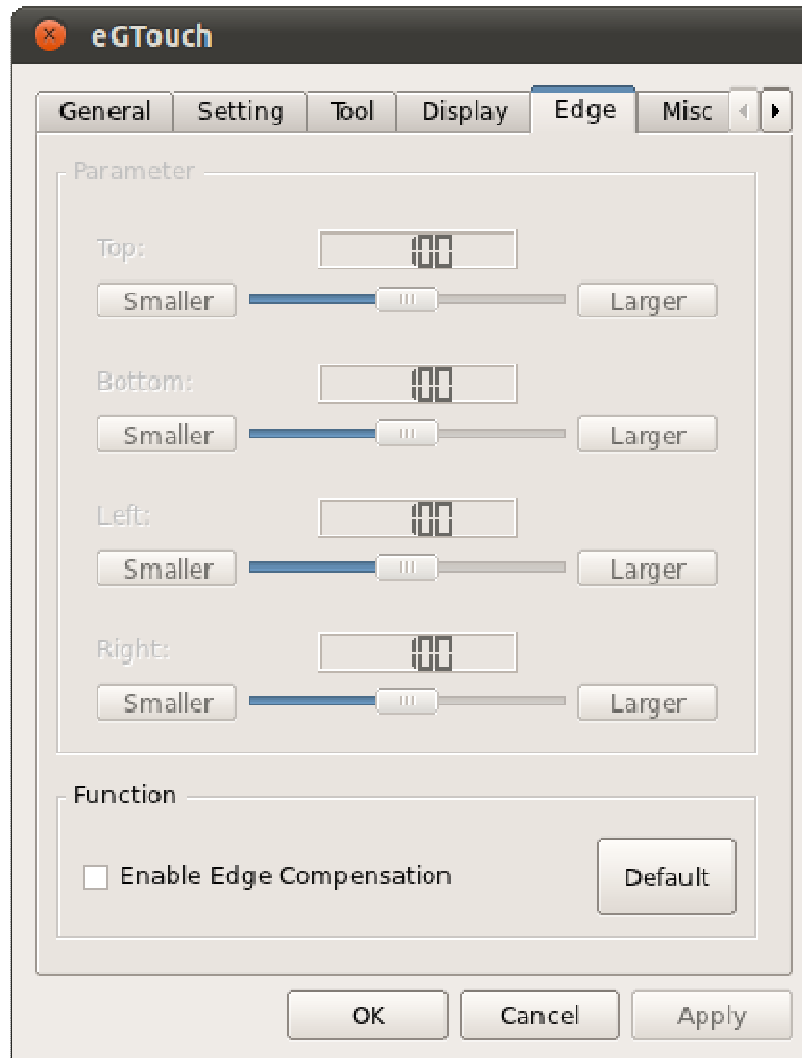
Enable Edge Compensation:	eGTouch supports edge compensation to make sure the user can touch the edge area.

2.6 Misc Page

Beep:

eGTouch supports Beep sound when touching.

Beep from System Beep:	Driver will generate a beep sound from system beep.
Beep from Sound Card:	Driver will generate a beep sound from sound card.

Beep on Release:	Driver will generate a beep sound when changing touch state to untouch state.
Beep on Touch:	Driver will generate a beep sound when changing untouch state to touch state.

Driver will generate beep sound after Beep from System Beep or Beep from Sound Card is enable, and also Beep on Release or Beep on Touch checkbox is checked.

System Beep:

After enabling system beep, users can control the beep sound.

Freqency:	Determine the beep frequency.
Duration:	Determine how long system beeps.

Mouse Mode:

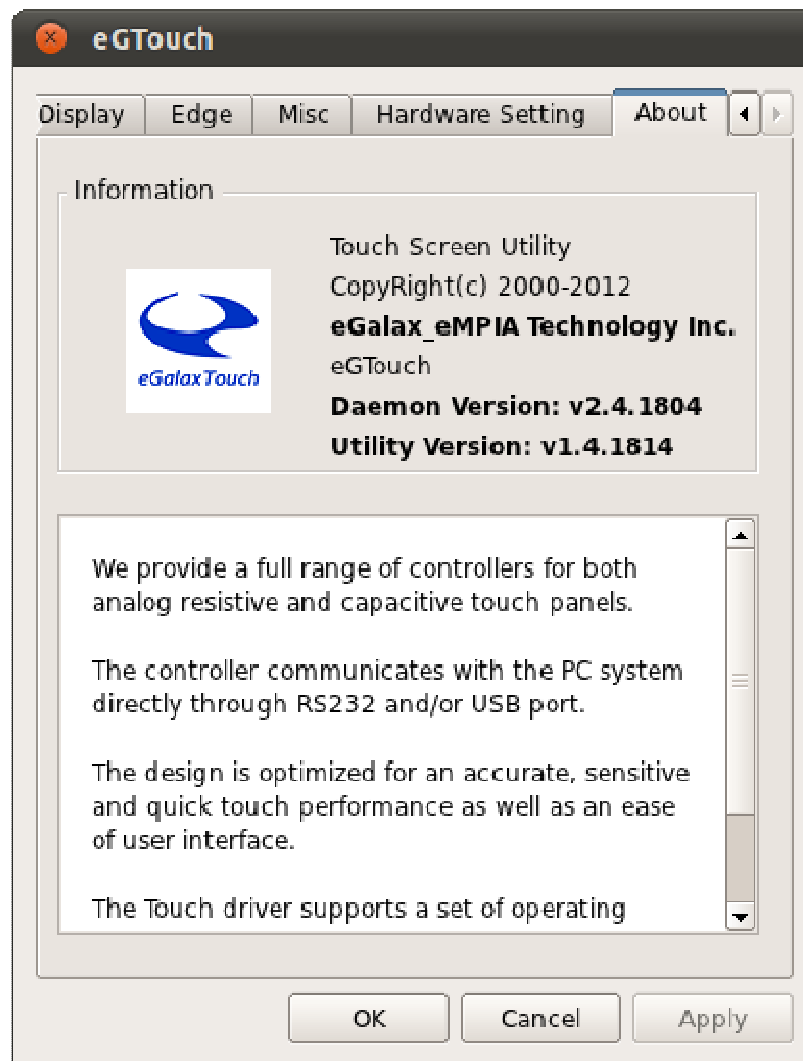eGTouch supports 3 kinds of modes.

Mode	Action	Note
Normal Mode:	The BUTTON DOWN event will be sent when users touch the panel, and BUTTON UP event is sent when the users lift the panel.	Report format will be determined by the kernel version.
Click on Touch:	The BUTTON CLICK event will be sent when users touch the panel.	Support only single point.
Click on Release:	The BUTTON CLICK event will be sent when the users lift the panel.	

2.7 Hardward Setting Page
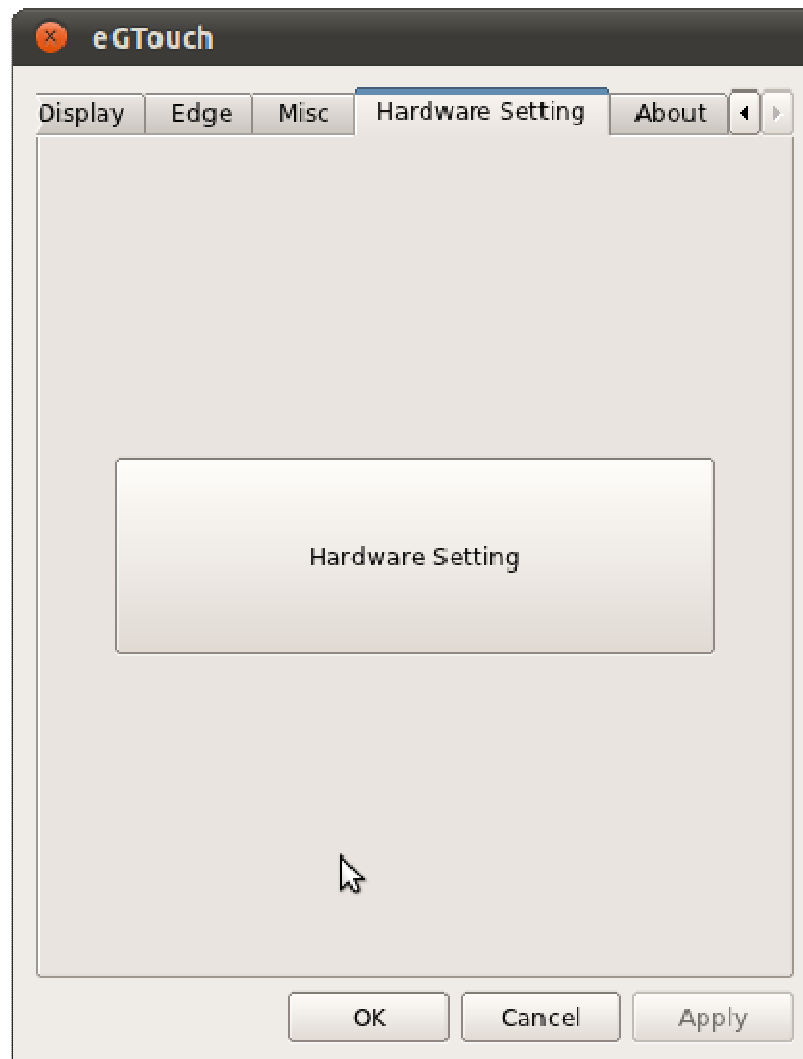
Some hardware settings of the controller can be modified in this page. There are different parameters in each controllers. You may not be able to modified paramters from here for some controllers.

2.8 About Page

Infomation about eGTouch.