

## Advantech AE Technical Sharing Documentation

Date	2019 / 03 / 15	SR#	1-3696937897
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	Ubuntu18.04 / Ubuntu 18.10
Abstract	How to set panel touch function works properly in Ubuntu 18 and at its login page?		
Keyword	Ubuntu18.04, Ubuntu18.10		
Related Product	PPC-31X0S, TPC-1X51T(H)		

### ■ Problem Description:

Panel touch function is not able to be calibrated and even used in Ubuntu's login page and its whole OS environment.

This document helps you to install a correct touch driver in Ubuntu and use it with necessary configuration.

### ■ Brief Solution - Step by Step:

#### First, select the right touch driver.

Before we start, please clarify the OS version you are using:

- (1) Ubuntu 18.04.1 or earlier.
- (2) Ubuntu 18.04.2
- (3) Ubuntu 18.10

In corresponding, there are two versions of touch driver available for Ubuntu18.

- (1) PenMount-Ubuntu 12.04-18.04 32\_64bit Driver
- (2) PenMount-Ubuntu 18.10\_64bit\_Driver

PenMount-Ubuntu 12.04-18.04 32_64bit Driver	PenMount 9000, PenMount 6000 RS-232, PenMount 6000 USB, PenMount PCI USB, PenMount PCI RS-232	Linux Ubuntu, Ubuntu 12.04 LTS, Ubuntu 12.10, Ubuntu 13.04, Ubuntu 13.10, Ubuntu 14.04 LTS, Ubuntu 14.10, Ubuntu 15.04, Ubuntu 15.10, Ubuntu 16.04, Ubuntu 16.10, Ubuntu 17.04, Ubuntu 17.10, Ubuntu 18.04, Linux (X11), Xorg X Server 1.13.x, Xorg X Server 1.14.x, Xorg X Server 1.15.x, Xorg X Server 1.16.x, Xorg X Server 1.17.x, Xorg X Server 1.18.x, Xorg X Server 1.19.x
PenMount-Ubuntu 18.10_64bit_Driver	PenMount 9000, PenMount 6000 RS-232, PenMount 6000 USB, PenMount PCI USB, PenMount PCI RS-232	Linux Ubuntu, Ubuntu 18.10, Linux (X11), Xorg X Server 1.20.x

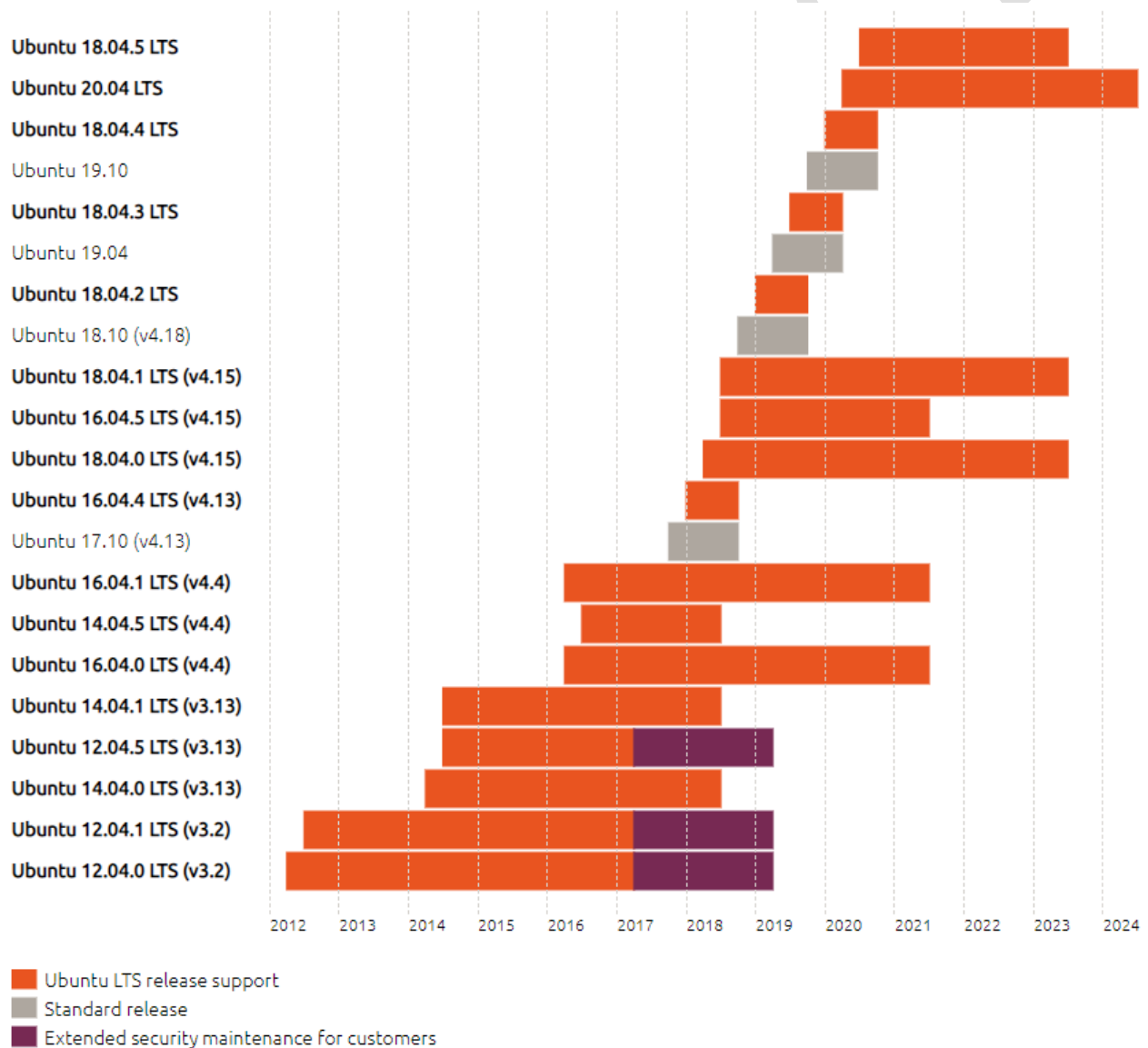
In conclusion, please choose “PenMount-Ubuntu 18.10\_64bit\_Driver” when using Ubuntu 18.04.2 and Ubuntu 18.10.

OS	Touch Driver
Ubuntu 18.04.1 or earlier.	PenMount-Ubuntu 12.04-18.04 32_64bit Driver
Ubuntu 18.04.2 & Ubuntu 18.10	PenMount-Ubuntu 18.10_64bit_Driver

Customer might wonder why the touch driver for Ubuntu 18.10 is fit for Ubuntu 18.04.2.

This is due to Ubuntu 18.04.2 is actually released later than Ubuntu 18.10, so the “PenMount-Ubuntu 18.10\_64bit\_Driver” just fit in Ubuntu 18.04.2.

As figure below, Ubuntu 18.04.2 is released later than Ubuntu 18.10.



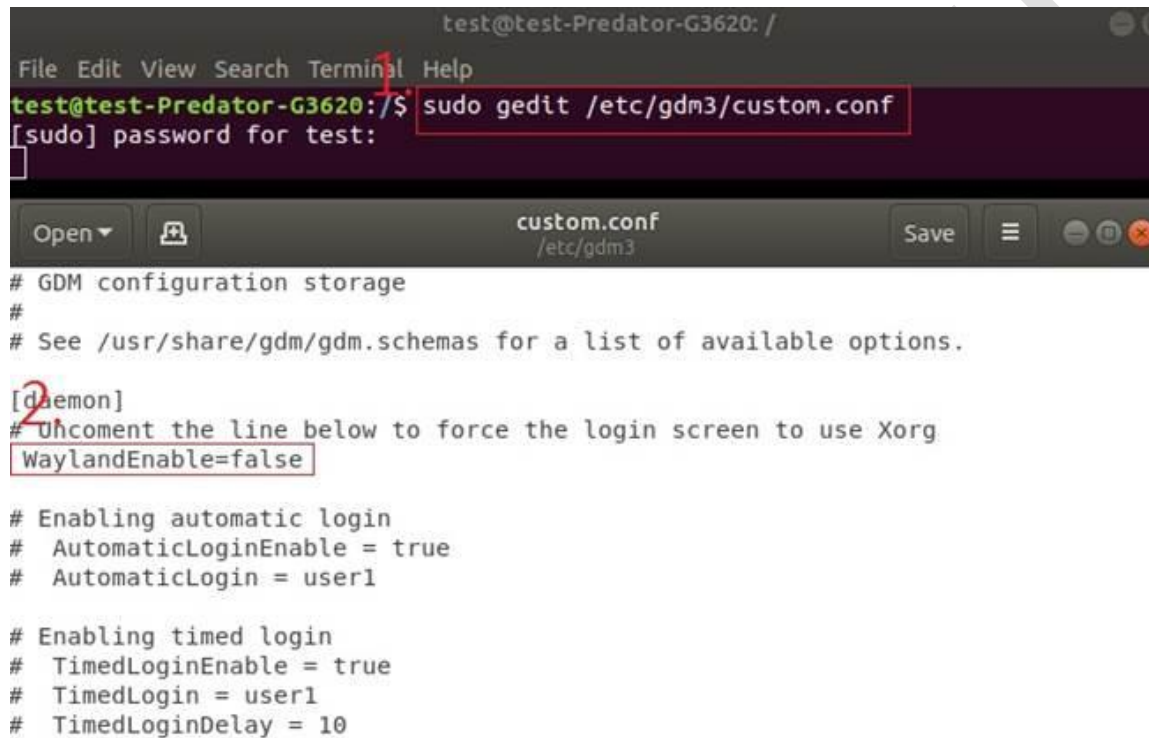
[Reference]

<https://www.ubuntu.com/about/release-cycle>

**Second, modify OS configuration to ensure touch function at Ubuntu's login page works properly.**

After driver installation, the following steps need to be done.

- (1) Open /etc/gdm3/custom.conf
- (2) Find the [daemon] section, and add the following setting:  
WaylandEnable=false
- (3) Save the file and restart the system.



```
test@test-Predator-G3620: /
File Edit View Search Terminal Help
test@test-Predator-G3620:/$ sudo gedit /etc/gdm3/custom.conf
[sudo] password for test:
Open custom.conf Save
/etc/gdm3

# GDM configuration storage
#
# See /usr/share/gdm/gdm.schemas for a list of available options.

[daemon]
# Uncomment the line below to force the login screen to use Xorg
WaylandEnable=false

# Enabling automatic login
# AutomaticLoginEnable = true
# AutomaticLogin = user1

# Enabling timed login
# TimedLoginEnable = true
# TimedLogin = user1
# TimedLoginDelay = 10
```

After these settings, the touch function works even at login page.  
Enable screen keyboard at login page as shown below.

