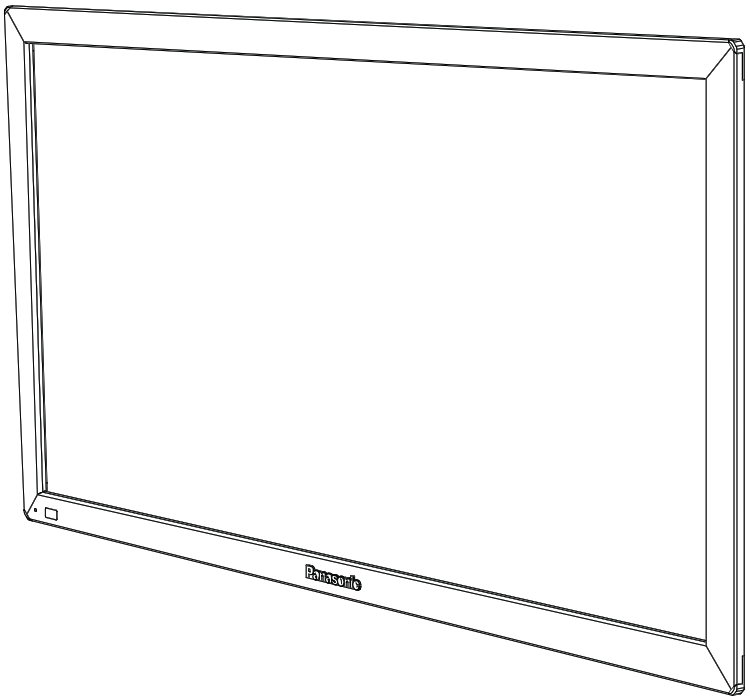
Panasonic

Touch Panel Driver Software Installation Manual

Touch Panel

Model No. TY-TP42P30K
TY-TP50P30K
TY-TP60P30K
TY-TP65P30K



Thank you for your purchase of a Panasonic product.

- Please read this manual and the instructions for the touch panel carefully to use the product correctly and safely.

English

Contents

Getting Started..... 3

1. Operating Environment 4

2. Before Installation 4

3. Touch Panel Driver Installation 5

4. Tpdrv Mouse Emulation Service Installation 9

5. TouchPanel Setting Program 13

5-1. Operation Condition Display 13

5-2. Mode Settings..... 14

5-3. View Settings..... 17

5-4. Pen Settings 18

5-5. Advanced Settings..... 19

5-6. Calibration 19

5-7. Cursor Adjustment..... 20

6. Uninstallation..... 21

6-1. Windows XP 21

6-2. Windows Vista 22

7. Troubleshooting 23

Getting Started

Thank you for your purchase of the Touch Panel.

To use the product connecting with a Windows XP or Vista computer, the touch panel driver must be installed.
Install the driver according to this manual.
For Windows7, the driver does not need to be installed.

The touch panel driver enables the output data from the touch panel converted to the protocol compatible with the Microsoft serial mouse to provide the application program a user interface equivalent to a mouse. Therefore the existing application can be operated with the touch panel and touch panel application developments can be carried out using a mouse.
The operation settings for the touch panel can be changed using the setting program.

This manual is intended to the users familiar with Microsoft Windows operations.
For details on the Windows operations, please refer to your Windows manual etc.

Note

1. Any part or all of this manual or driver software may not be copied without the prior consent of Panasonic Corporation.
2. The contents of this manual or driver software may be changed for improvement without notice.
3. Panasonic Corporation do not take any responsibilities for any failure of device, data corruption, or damage caused by these failures due to improper use of this driver software by the customer or a third party unless the liability is imposed by law.
4. The company and product names mentioned in this manual are the trademarks or registered trademarks of their respective companies.
5. Every possible care has been taken to prepare this manual however if you find any mistake or omission, please contact the address stated at the end of this document.
6. We will exchange any manual with the pages out of order or missing.

Microsoft, Windows XP, and Windows Vista are registered trademarks of Microsoft Corporation in the USA and other countries.
Other company and product names mentioned in this manual are the trademarks or registered trademarks of their respective owners.
™ and ® marks are not indicated in this manual.

1. Operating Environment

1) Computer: IBM PC/AT compatible with USB port(s) and CD-ROM drive. A model with any of the following OS.
   OS : Microsoft Windows XP 32 bit or 64bit version (SP2 or later), Windows Vista 32 bit or 64 bit version
2) This product and a pointing device such as a PS/2 mouse which does not use a communication port can be used concurrently without interfering each other.
3) A USB port must be operating successfully prior to the driver installation.
4) Other applications which use a communication port may not be used concurrently with this product.
5) Log in to your Windows computer as an "**Administrator**" at installation or uninstallation.
6) The display or details of the screen may be different depending on the OS version or settings.

2. Before Installation

Installation procedure differs depending on the OS. Please follow the procedures below.

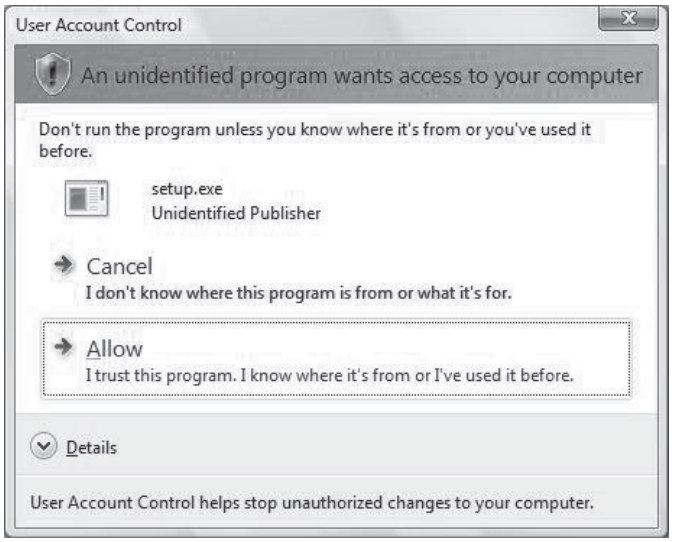
1) Install the touch panel driver.
2) Connect the USB cable for the touch panel to the computer.
   Read the Touch Panel Instruction Manual for details on how to connect the cable.
3) Install the Tpdrv Mouse Emulation Service if using Windows Vista.
4) When the computer is restarted, the driver software starts up and the calibration screen appears.
   After the calibration, the touch panel is ready for use.
5) If any older version of the driver has been installed, uninstall the old one before installing the newer version driver. Refer to "**6. Uninstallation**" for details on uninstallation.

3. Touch Panel Driver Installation

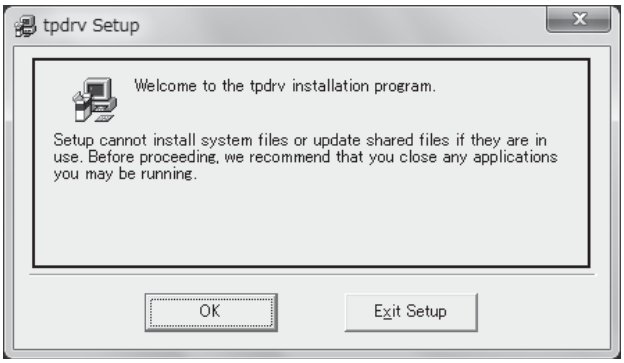
The dedicated installer is supplied for the touch panel driver.
The installation starts when "**setup.exe**" under the English folder of the supplied CD is started.

Note: If any older version of the driver is installed, uninstall the old one before installing the newer version driver. Refer to "**6. Uninstallation**" for details on uninstallation.

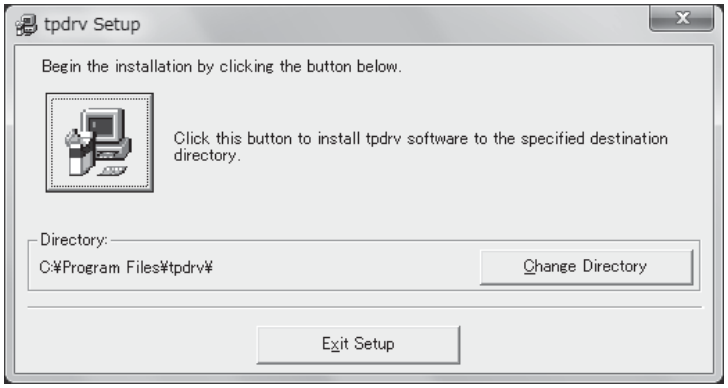
To install on a Windows Vista computer, the User Account Control screen appears first.
Click [**Allow**].



Below is the screen to start up the setup program. Click the [**OK**] button.



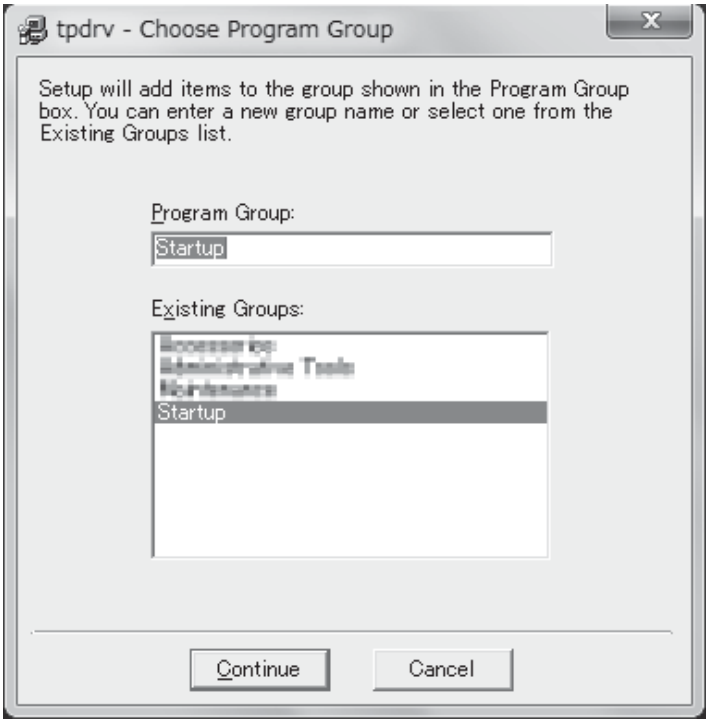
Below is the screen to select the setup directory. **Do not change the directory.**



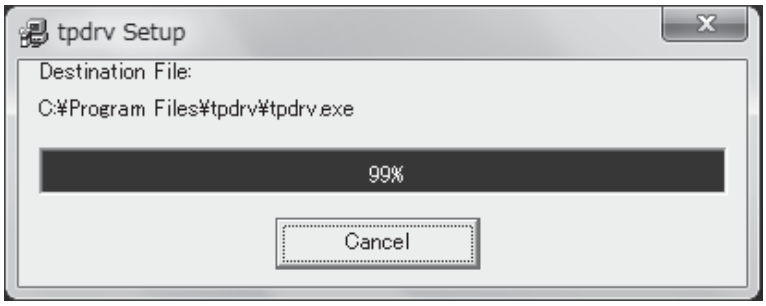
Click this button.

Below is the screen to select the program group. By default the program will be registered as a startup program.
For both Windows XP and Windows Vista, the program is registered to "**Startup**".

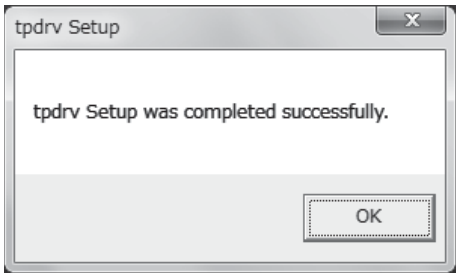
This setting enables the driver software starts up automatically when the computer is started so that the touch panel can be used.
Please note that if the program is registered in other than the Startup group, it will not start up automatically.
Click [**Continue**].



Required files will be set up.



Installation is completed. Click the [**OK**] button to complete the installation.



If using Windows XP, restart the computer. The driver software starts the operation after the computer is restarted.

For Windows Vista, do not restart the computer but perform the installation procedures explained in "**4. Tpdrv Mouse Emulation Service**".

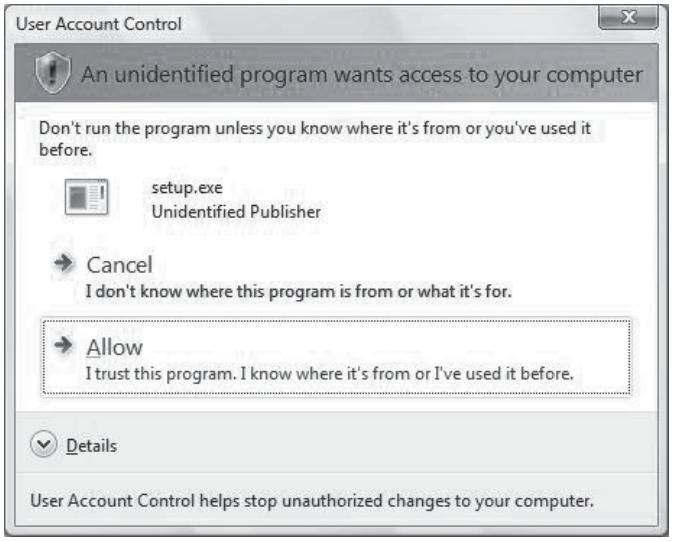
When the touch panel driver is used for the first time, the calibration screen appears after the driver software is started.
After the calibration, the touch panel is ready for use.

Refer to "**5-6. Calibration**" for more details about calibration.

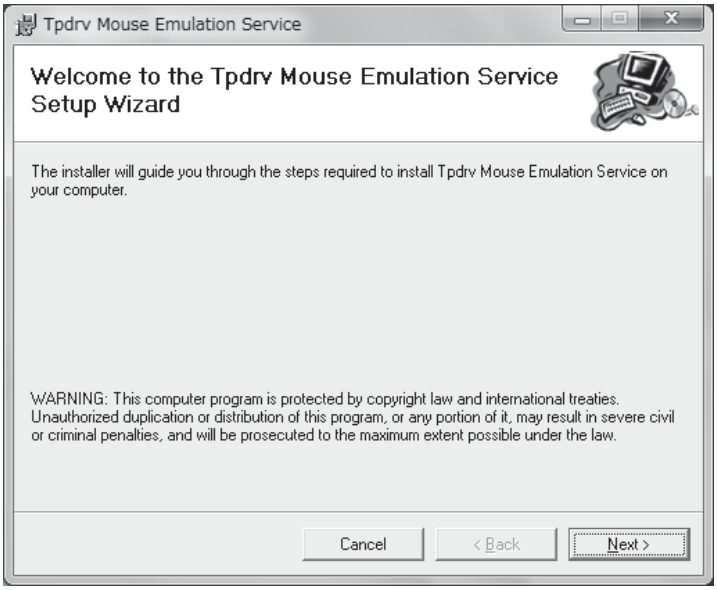
4. Tpdrv Mouse Emulation Service Installation

If using Windows Vista, the Tpdrv Mouse Emulation Service must be installed.

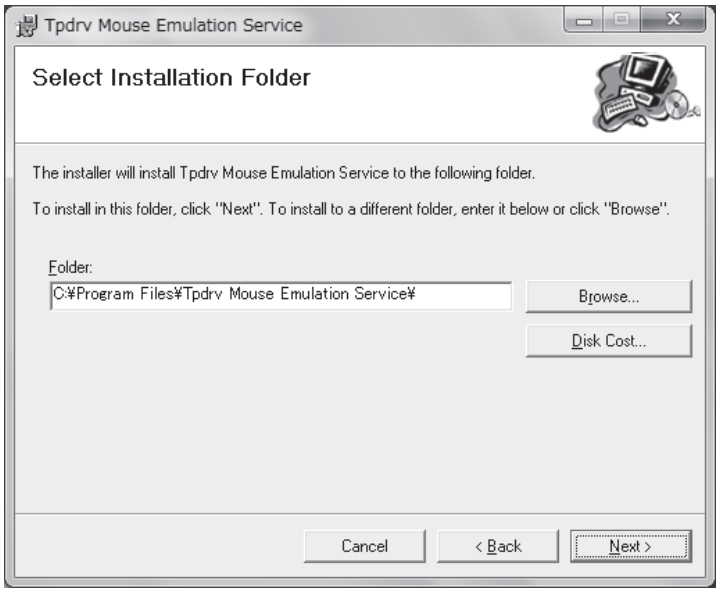
The dedicated installer is supplied for the Tpdrv Mouse Emulation Service.
The installation starts when "**setup.exe**" under the TpMouEm folder in the English folder of the supplied CD is started.
When Setup.exe is started up, the User Account Control screen appears first.
Click [**Allow**].



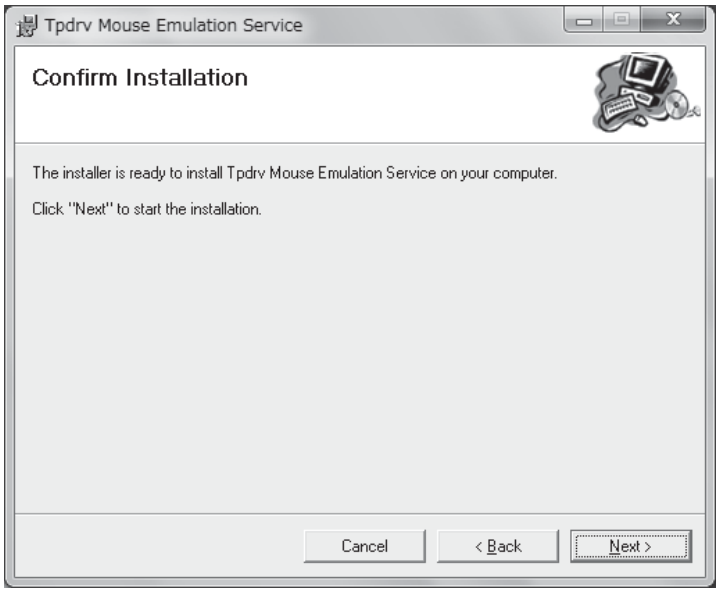
Below is the initial screen of the Setup Wizard. Click [**Next**].



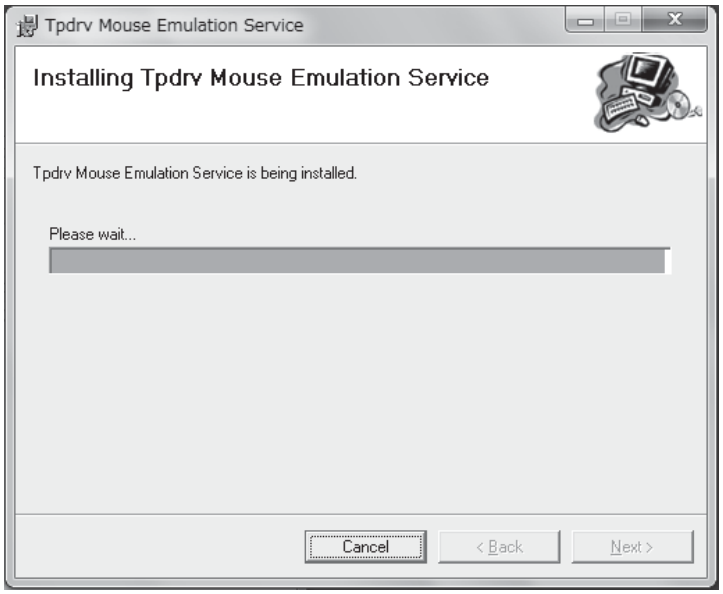
Below is the screen to select the installation folder. Do not change the folder.
Click [**Next**].



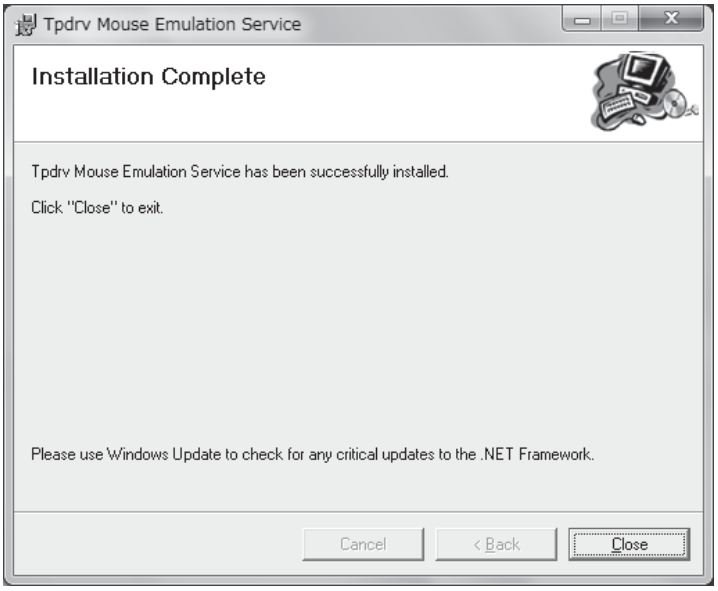
Below is the screen to confirm installation. Click [**Next**].



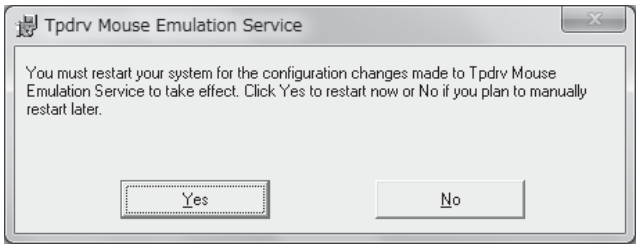
Required files will be installed.



Below is the installation completion screen. Click [**Close**].



At the end, a prompt screen for restart appears. Click [**Yes**] to restart the computer.



The driver software starts the operation after the computer is restarted.

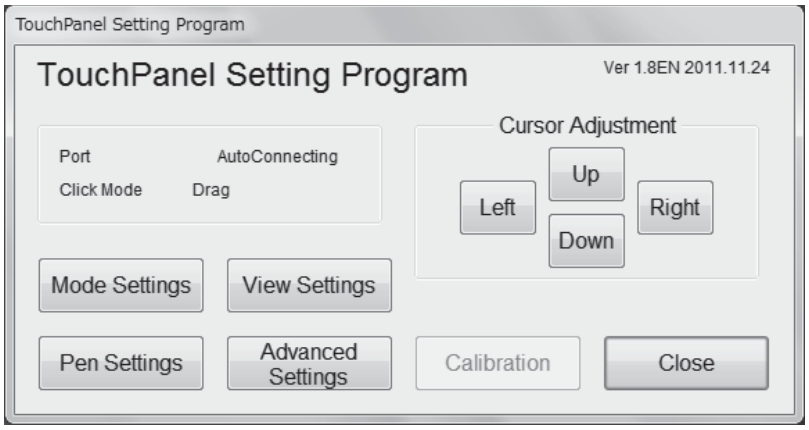
When the touch panel driver is used for the first time, the Calibration screen appears after the driver software is started.
After the calibration, the touch panel is ready for use.

Refer to "**5-6. Calibration**" for more details about calibration.

5. TouchPanel Setting Program

This software is a setting program to set communication port and to set and calibrate various operation modes. Changed details will be saved in a setting file so that the changed details are effective at the subsequence restarts.

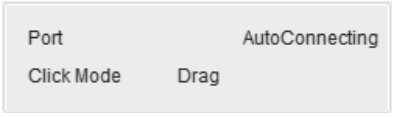
Pressing each button will display the corresponding setting window for changing the settings.
Changes for each item will be recorded to the setting file upon closing the window by pressing the [OK] button and reflected to the running driver software.
When the [Close] button is pressed, the setting program will be minimized and stored in the taskbar.



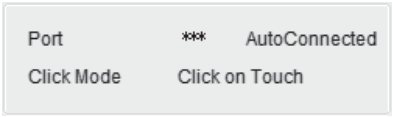
5-1. Operation Condition Display

In the main screen, the communication port number with which the touch panel is connected and the click mode setting details are displayed.
When the touch panel is connected and the communication is enabled, the display for Port becomes either "*** Auto Connected" or "*** Connected". When the display is still "Auto Connecting" or "*** DisConnect" after a while, the connection to the touch panel is failed. Check if the "Port" setting in "Mode Settings" is set correctly.

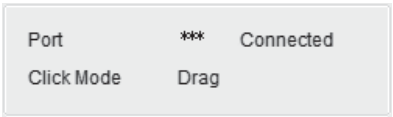
Display examples



The communication port is set to "Auto Connect" and the touch panel is waiting to be connected.
The click mode is set to "Drag".

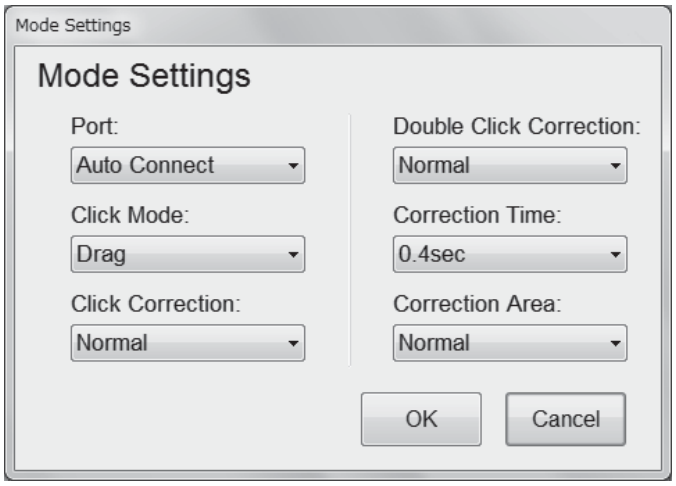


The communication port is set to "Auto Connect" and the touch panel is connected. The port is "***".
The click mode is set to "Click on Touch".



The communication port is set to manual connection (other than Auto Connect) of "***" and the touch panel is connected to the set port.
The click mode is set to "Drag".

5-2. Mode Settings



1) Port

Sets the communication port used for the touch panel connection.

If Auto Connect is selected, the driver software detects the port automatically to set. If the automatic connection cannot be performed, select the communication port which is connected. The default setting is "**Auto Connect**".

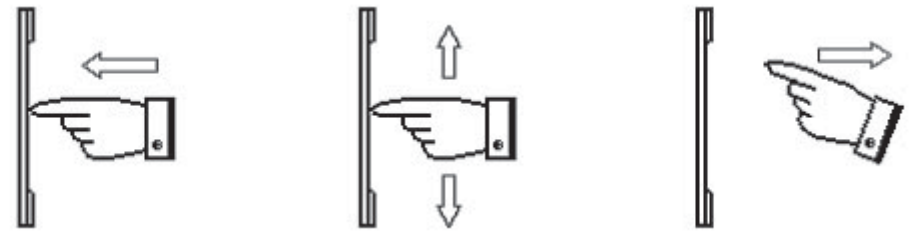
2) Click Mode

Selects the input mode for the touch panel. The relationship between the touch input and mouse button pressing can be set. The default setting is "**Drag**".

① Drag

Touching operation to the panel is set as pressing down (button down) of the left mouse button and lifting the finger off the panel is set as releasing (button up) of the left mouse button.

Therefore when the finger is lifted off the panel, a click event occurs. When the finger is travelling, the mouse cursor emulates the movement and drag operation can be performed.

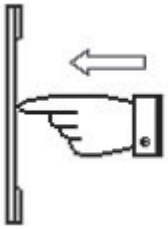


Button down | Drag | Button up
Click event occurs

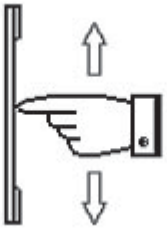
② Click on Touch

Touching operation to the panel is set as single clicking (button down/button up) of the left mouse button.

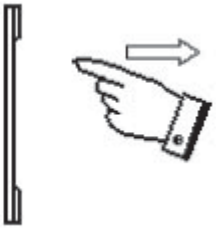
When the finger touches the panel, a click event occurs.



Button down
Button up
Click event occurs



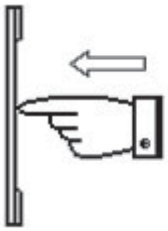
No change



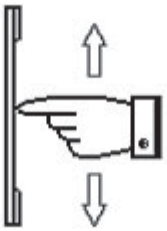
No change

③ Click on Release 1

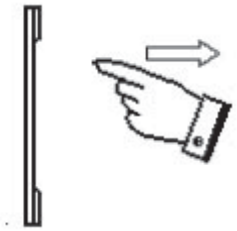
When the finger is lifted off the panel, a click event occurs. While the finger is touching the panel, a button down event will not occur.



No change



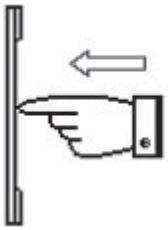
No change



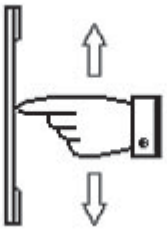
Button down
Button up
Click event occurs

④ Click on Release 2

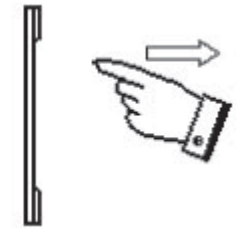
When a finger touches the panel, a button down event occurs and when the finger is lifted off the touch panel, a click event occurs. While the finger is travelling, the cursor does not emulate the movement.



Button down



No change



Button up
Click event occurs

3) Click Correction

Sets the click correction method. The default setting is "**Normal**".

The click area may be narrow and difficult to click by touching depending on the application being used. In this case, set Click Correction to "Special" so that the button down and button up positions can be consistent under certain conditions and the click will be easily recognized.

Normal: Use this setting when handwriting characters etc. Usually use this setting.

Special: Use this setting for operations in a small click area made by HTML etc.

4) Double Click Correction

Sets the double click correction method. The default setting is "**Normal**".

Normal: Use this setting when handwriting characters etc. Usually use this setting.

Special: Use this setting to use double clicking mainly.

5) Correction Time

Sets the time to recognize the Click Correction and Double Click Correction. The setting can be made in 0.2 second increment from 0.2 to 1.0 second. The default setting is "**0.4 second**".

To change this setting, set the Double-click speed to "Slow" (move the slide bar to the leftmost) in Mouse Properties of the Control Panel.

Click : Sets the time from button down to button up.

Double click: Sets the time from the first touch to the second touch and lets the program to recognize as a double click when the second touch is performed within the set time.

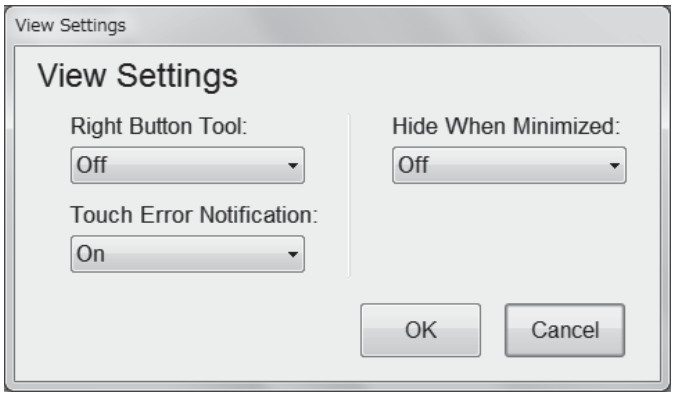
6) Correction Area

Sets the effective area for clicking and double clicking. Setting to "Wide" makes the area wide and "Narrow" makes it narrow. The default setting is "**Normal**".

Click : Sets the effective area from button down to button up.

Double click: Even when the first touch (click) and the second touch (click) are slightly apart, the operations are recognized as a double click.

5-3. View Settings



1) Right Button Tool

Use this setting to perform the right mouse button operation with the touch panel. The default setting is "**Off**".

On: Displays the Right Button Tool.

Off: Does not display the Right Button Tool.

When the Right Button Tool is touched, the next touch input will be operated as a right mouse button down. After this, the operation returns to the normal left mouse button operation.

Display for left mouse button operation
On touch input, normal left mouse button operation is performed according to the "Click Mode" setting.

Display for right mouse button operation
On touch input, a right mouse button operation is performed according to the "Click Mode" setting.

2) Touch Error Notification

Use this setting to display a warning when an object is placed on the screen while the touch panel is used. The default setting is "**On**".

On: Notifies error warnings.

Off: Does not notify error warnings.

3) Hide When Minimized

Use this setting to store the TouchPanel Setting Program in the task tray when it is closed. The default setting is "**Off**".

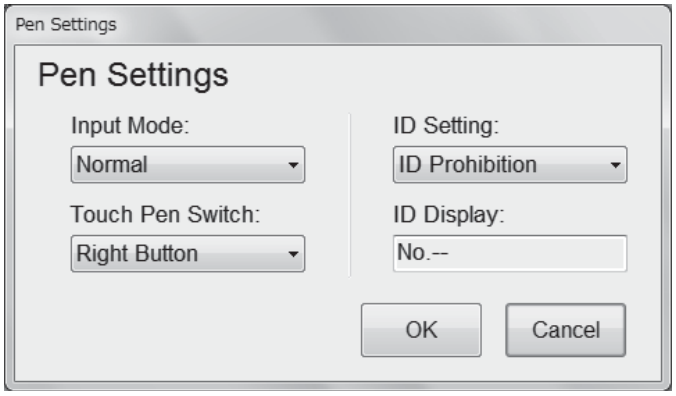
On: Stores the TouchPanel Setting Program in the task tray.

Off: Leaves the TouchPanel Setting Program on the task bar.

5-4. Pen Settings

Pen Settings should be set only when a separately purchased electronic pen is used.

To use an electronic pen, refer to the instruction manual for the electronic pen for details.



1) Input Mode

Selects the input mode either to use handwriting or electronic pen. The default setting is "**Normal**".

Normal : The touch panel switches between the handwriting and electronic pen modes automatically.
This is the normal mode.

Handwriting: Use this setting to input without using an electronic pen (such as finger).
Use the "Normal" setting, when an electronic pen is used.

Pen : To input only with an electronic pen. Use this setting to disable any operations without an electronic pen.

2) Touch Pen Switch

Sets the function switch of an electronic pen. The default setting is "**Right Button**".

Off : The function switch of the electronic pen does not work.

Right Button: Touching the display while pressing the function switch performs a right mouse button click.

3) ID Setting

Synchronizes the ID set on the electronic pen with the touch panel driver. This setting is used to prevent electronic pen errors in a case such as two touch panels are used side by side. The default setting is "**ID Prohibition**".

ID Prohibition: Accepts any signal without checking the ID on the electronic pen.

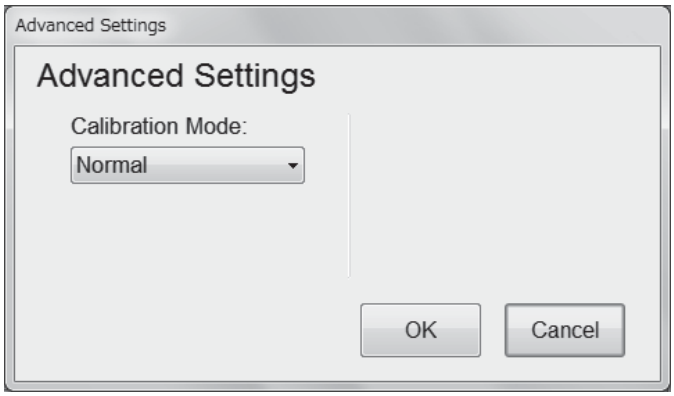
No. 1 - 4 : Accepts only the signal from the electronic pen for which the same ID is set.

4) ID Display

When a signal from the currently used electronic pen is detected, the ID set on the electronic pen is displayed.

For usage such as how to set an ID of electronic pen etc., refer to the instruction manual for the electronic pen.

5-5. Advanced Settings



1) Calibration Mode

Sets the calibration mode. The default setting is "**Normal**".

Normal: Use this setting to have normal display for screen resolution and display method.

Special: Use this setting to display a special screen such as enlarged screen display or cutout enlargement.

Corner : Use this setting to set the calibration target position for the "Normal" setting to a corner.

5-6. Calibration

Calibration (alignment) is performed to emulate the mouse cursor correctly to the touched position. The calibration screen appears automatically when the touch panel is connected to the computer when the driver is started up for the first time (restart after installation).

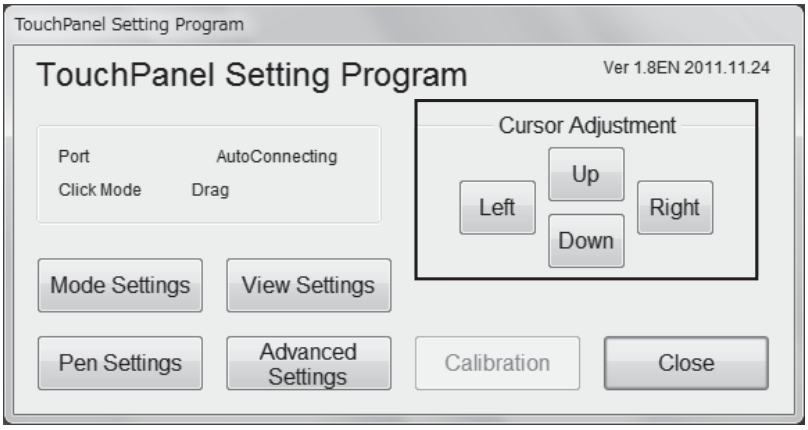
Touch the center of the targets displayed on the screen in order according to the instructions on the screen. 3 target points are displayed.

To stop the calibration, press any key on the keyboard.

Once the calibration has performed the calibration values are saved in the setting file. There is no other calibration required as the calibration values are loaded from the setting file at the next startup.

5-7. Cursor Adjustment

Usually a calibration makes the touched position and the mouse cursor position synchronized. However, when fine-tuning is required due to disparity or other reason use these buttons.



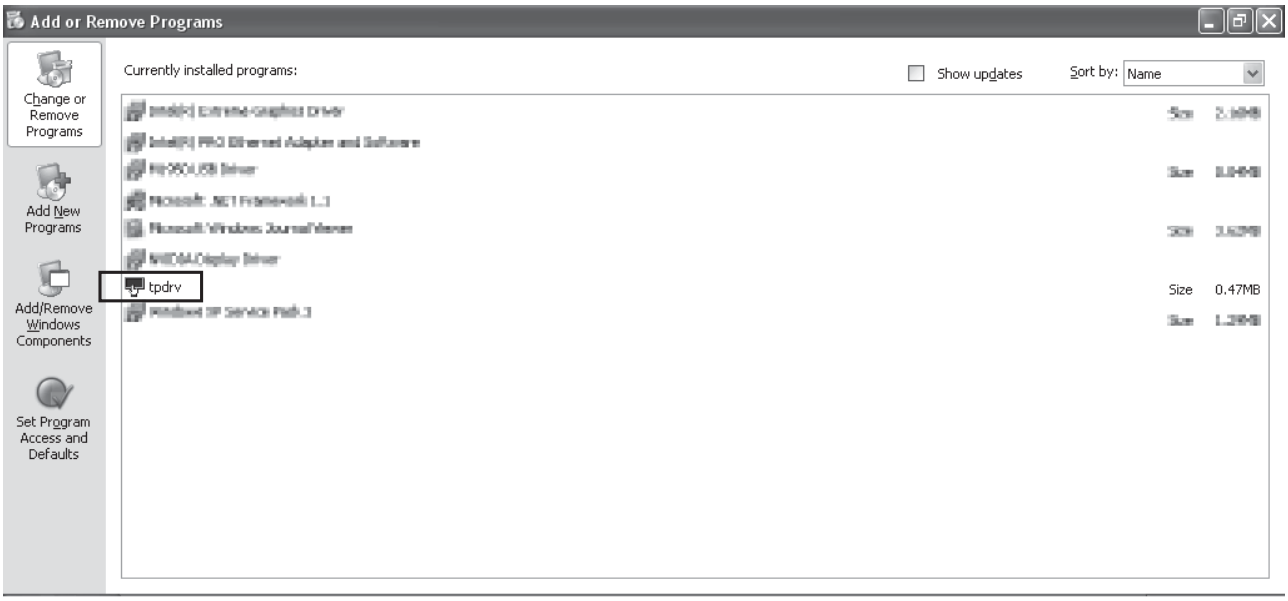
6. Uninstallation

6-1. Windows XP

Delete the program by following the procedures below from "Add or Remove Programs" in the Control Panel.

1) Disconnect the USB cable connecting the touch panel and the computer from the computer side.

2) Open "Add or Remove Programs" in the Control Panel.



3) Delete "**tpdrv**" according to the message.

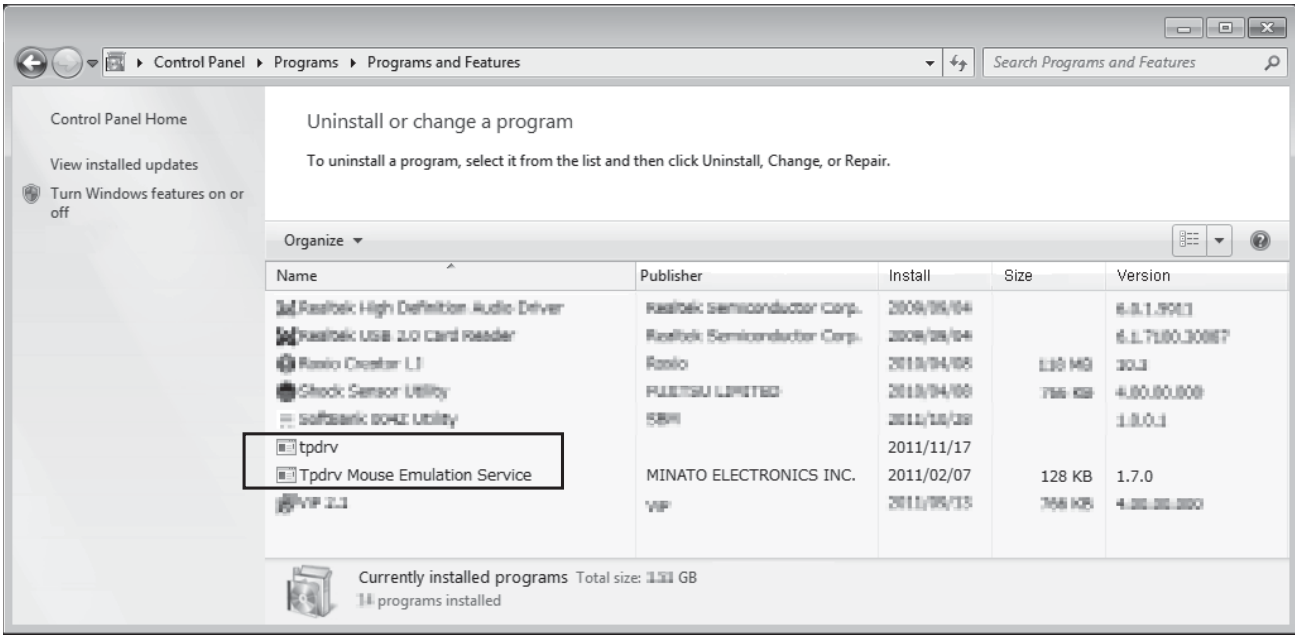
4) Restart the computer.

6-2. Windows Vista

Delete the program by following the procedures below from "Program and Features" in the Control Panel.

1) Disconnect the USB cable connecting the touch panel and the computer from the computer side.

2) Open "Program and Features" in the Control Panel.



3) Delete "**tpdrv**" according to the message.

4) Delete "**Tpdrv Mouse Emulation service**" according to the message.

5) Restart the computer according to the message.

7. Troubleshooting

Refer also to the troubleshooting in the Instruction Manual for the Touch Panel.

Problem	Check	Action	Page
Installation fails	Did you install as administrator?	Log in with a user name that has administrator privileges and install again.	-
	Is the driver software set up correctly?	Refer to this manual for the driver software setup and perform correctly.	P.4
No response at all for input	Is the driver software set up correctly?	Refer to this manual for the driver software setup and perform correctly.	P.4
	Is the communication port on the driver software correct?	Is the Auto Connect or communication port set correctly? The communication port address and interrupt for the computer must be set correctly and operating successfully. Refer to your computer's instruction manual as the communication port settings vary depending on the computer. Other applications which use a communication port may not be used concurrently with this product. Exit such applications. Refer to "5-2. Mode Setting, 1) Port" in this manual for the communication port settings.	P.14
	Is driver software running?	Start the driver software.	-
Response is poor. Or there are some unresponsive parts.	Is the Click Mode setting on the driver software correct?	Refer to "5-2. Mode Setting, 2) Click Mode" in this manual for the Click Mode settings on the driver software.	P.14

Problem	Check	Action	Page
Touched position is not aligned	Has the touch panel been removed?	When the touch panel has removed and attached again, the attaching position may be misaligned and the touched position and the cursor position may be misaligned. If the touch panel is removed, make sure to set the calibration settings on the touch panel driver software. Refer to "5-6. Calibration" for details on the calibration settings. When fine-tuning is required due to disparity or other reason, follow the instructions in "5-7. Cursor Adjustment" to fine-tune.	P.19
	Has calibration settings set on the driver software?	When a calibration setting is failed, the input position on the panel and the mouse cursor position will be misaligned. Set the calibration settings correctly. Refer to "5-6. Calibration" of this manual for details on the calibration settings. When fine-tuning is required due to disparity or other reason, follow the instructions in "5-7. Cursor Adjustment" to fine-tune.	P.19
	Is the Click Mode setting on the driver software correct?	Refer to "5-2. Mode Setting, 2) Click Mode" in this manual for the Click Mode settings on the driver software.	P.14
Input response differs	Is the Click Mode setting on the driver software correct?	Refer to "5-2. Mode Setting, 2) Click Mode" in this manual for the Click Mode settings on the driver software.	P.14

If the problem is not solved even after taking the above actions, please contact your local Panasonic dealer.

Panasonic Corporation
Web Site : http://panasonic.net

© Panasonic Corporation 2012