



## LCD MONITOR

# Touch pen Management Tool OPERATION MANUAL

Version 3.0

Applicable models (as of September 2017)

PN-70TH5/PN-80TH5/PN-L705H/PN-L805H  
PN-ZL06

(Available models differ according to region.)

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## Important Information

- This software has been shipped after strict quality control and product inspection. If, however, you find any failure or malfunction, contact your product dealer.
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- As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice.
- The contents or details may vary depending on the screen configuration and OS version, etc.
- This manual does not contain basic operating instructions for Windows.

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# Introduction

This software can be used to configure settings for touch action when using a touch pen or touch action on a computer connected to the video input terminal of an applicable model.

To use a touch pen or touch action with a computer connected to applicable model, this software must be installed on the computer.

The touch pen (Pointer pen) that is included with an applicable model is referred to as “active pen” in this manual.

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## System Requirements

OS	Windows 7 (32-bit or 64-bit version), Windows 8.1 (32-bit or 64-bit version), Windows 10 (32-bit or 64-bit version)
CPU	Intel Celeron or AMD Sempron 1.6 GHz or faster Intel Core 2 Duo or AMD Athlon II X2 2.8 GHz or faster recommended
Memory	At least 2 GB
Free space on hard drive	At least 100 MB
USB port	USB (2.0 compliant)

### TIPS

- Depending on the application software, active pen operation may not be possible (for example, if the application processes mouse and other operations independently).

# Setting up the computer

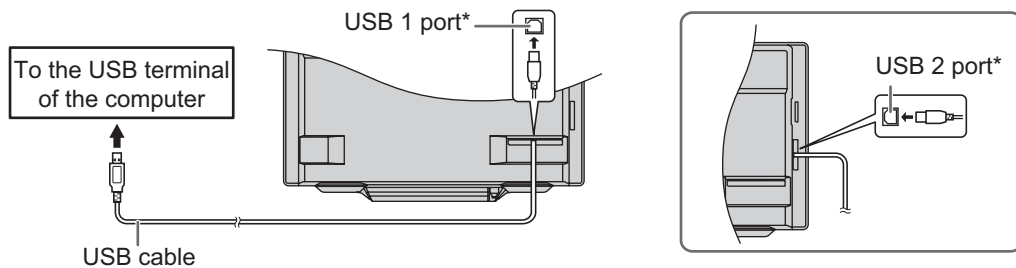
## Install

### ! Caution

- Insert the touch pen adapter into the LCD monitor before installing this software.
- If an older version of this software is installed, remove (uninstall) the old version before installing this software. (See page 13.)
- This can only be done by a user with administrator authority.

1. Start your computer.
2. Exit all applications that are running.
3. Connect the USB cable.

After it has been connected, the touch panel will be automatically recognized.



\* The USB port varies depending on the terminal connected to the computer.

DisplayPort 1 input terminal/HDMI 1 input terminal	USB 1 port (for touch panel)
D-sub input terminal/DisplayPort 2 input terminal/HDMI 2 input terminal/HDMI 3 input terminal	USB 2 port (for touch panel)

(Factory setting. Can be changed in TOUCH INPUT SELECT in the SETUP menu.)

4. Insert the supplied CD-ROM into the CD-ROM drive of the computer.
5. Double-click the setup program.  
¥TouchpenManagementTool¥Setup.exe
6. For the remainder of the procedure, follow the instructions shown on the screen.
  - When the “User Account Control” screen appears, click “Yes” (or “Allow”).
  - If the “Windows Security” screen appears, click “Install” (or “Install this driver software anyway”).
  - If the “Software Installation” screen appears, click “Continue Anyway”.

This completes the installation of this software.

Each time the computer is started, this software will start automatically to enable the active pen to be used.

### TIPS

- When this software is launched, an icon appears on the taskbar.  
The icons that appear on the taskbar vary depending on the status of the touch panel and pen adapter.

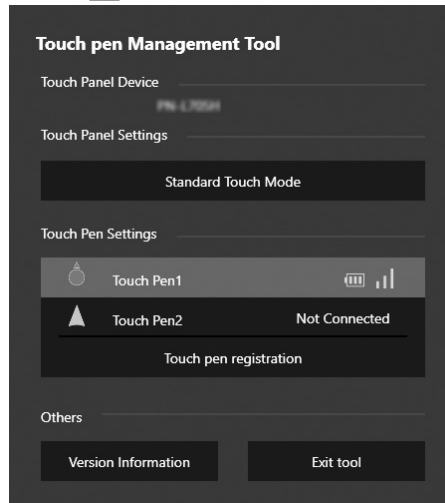
Icon	Touch panel status	Pen adapter status
	Not connected	Not connected
	Connected	Not connected
	Not connected	Connected
	Connected	Connected

# Showing touch panel / touch pen information

This software starts automatically.

You can view information on the operation mode being set and active pen being used.

1. Click the Touch pen Management Tool icon (  ) on the taskbar.



Touch Panel Device : Shows the connected monitor.

Touch Panel Settings : Shows the current touch operation mode. To change the touch operation mode, click this part. (See page 6.)

Touch Pen Settings : Shows information on registered active pens (registration number, connection status, signal strength, battery level). You can click an active pen to change its settings. To register a new active pen, click "Touch pen registration". (See page 7.)

Version Information : Shows the model name and firmware information of the connected monitor, and version of this software.

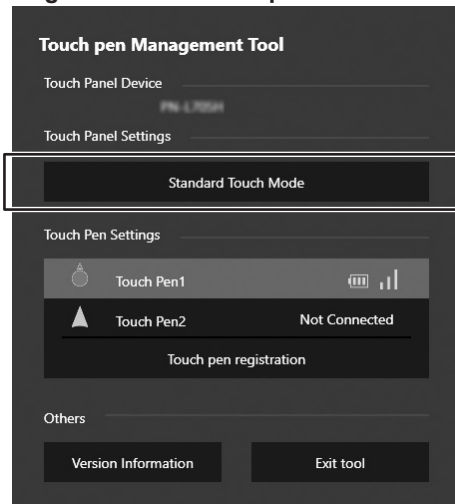
Exit tool : Exit this software.

## TIPS

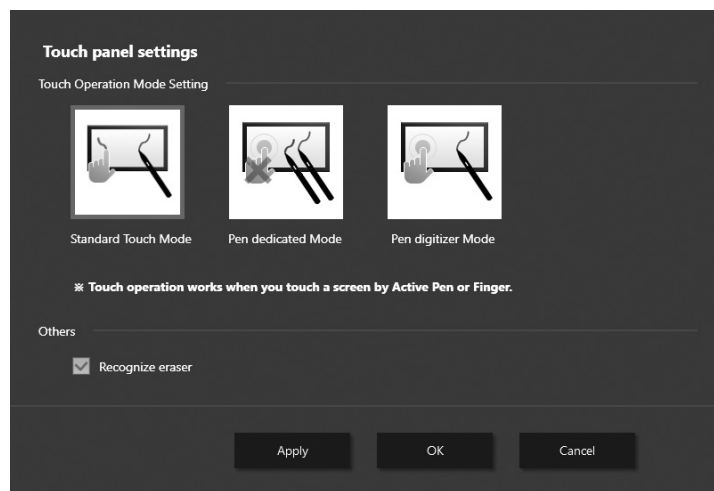
- If an active pen is not used for 1 minute, it will enter sleep mode.  
When the active pen is used, it will automatically wake.
- When an active pen is in sleep mode, the battery level and signal strength will not be shown correctly.  
After the pen wakes, it will take time for the battery level and signal strength to be shown correctly.
- When an active pen is in sleep mode, the active pen settings cannot be configured.
- Do not continuously press the tip or function button of an active pen. It may not be possible to configure the active pen settings.

# Touch panel settings

1. Click the Touch pen Management Tool icon (  ) on the taskbar.
2. Click the place on the touch panel settings that shows the operation mode.



3. Click each menu and change the settings.



## ■Touch Operation Mode Setting

Select operation mode of the touch panel.

**Standard Touch Mode** : The touch action takes place when the screen is touched by active pen or finger.

**Pen dedicated Mode** : The touch action takes place only when the screen is touched by active pen. The touch action does not take place when the screen is touched by finger.

**Pen digitizer Mode** : You can use an active pen as a digitizer pen in Windows.

Applications that support a Windows digitizer pen distinguish between finger touch and active pen touch, and respond with different actions. For details, check the application's manual.

### TIPS

- Set to "Standard Touch Mode" to use Simultaneous Drawing or Eraser in the Pen Software.


## ■Others

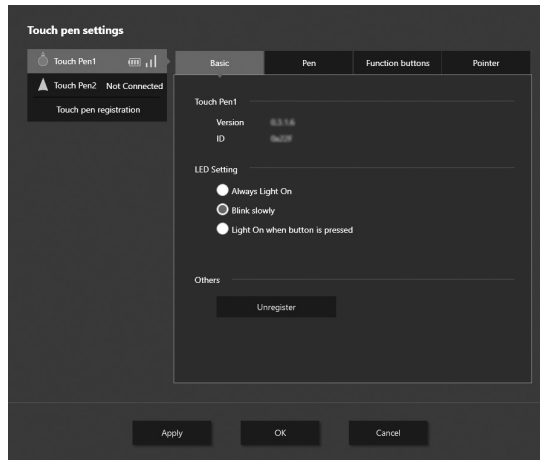
### Recognize eraser

Select this checkbox to use the eraser.

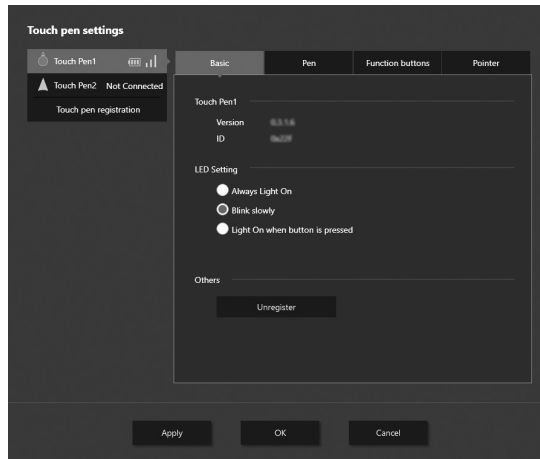
# Touch pen settings

## Change the active pen settings

1. Click the Touch pen Management Tool icon (  ) on the taskbar.
2. Click the active pen that you want to set in the touch pen list of the touch pen settings screen.
3. Click the tab of the item you want to set and change the settings.



### ■ Basic



### Showing information

Shows the firmware version and ID of the selected active pen.

### LED Setting

Set how the active pen LED lights during use.

Always Light On : Always lights.

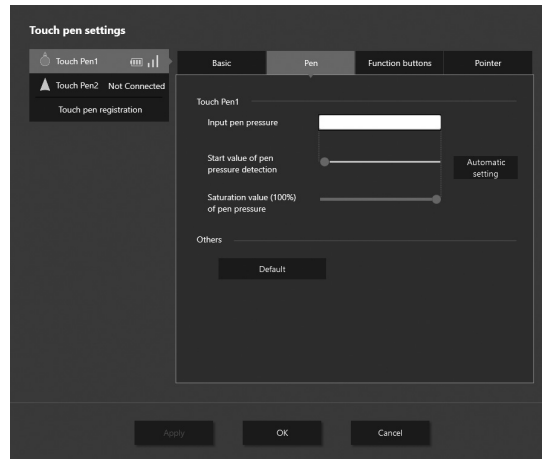
Blink slowly : Blinks.

Light On when button is pressed : Lights while the function button is pressed.

### Unregister

Release the registration (pairing) of the selected active pen.

## ■ Pen



### **Input pen pressure**

Shows the current amount of pen pressure.

### **Start value of pen pressure detection**

Set how hard the active pen must be pressed to be recognized.

### **Saturation value (100%) of pen pressure**

Set the amount of active pen pressure that is treated as the maximum pressure.

### **Automatic setting**

Normally not used.

If pen pressure is detected when the pen tip is not being pressed, the pen pressure will be automatically adjusted.

Do not press the pen tip during automatic setting.

### **Default**

Return the “Start value of pen pressure detection” and “Saturation value (100%) of pen pressure” to the factory default settings.

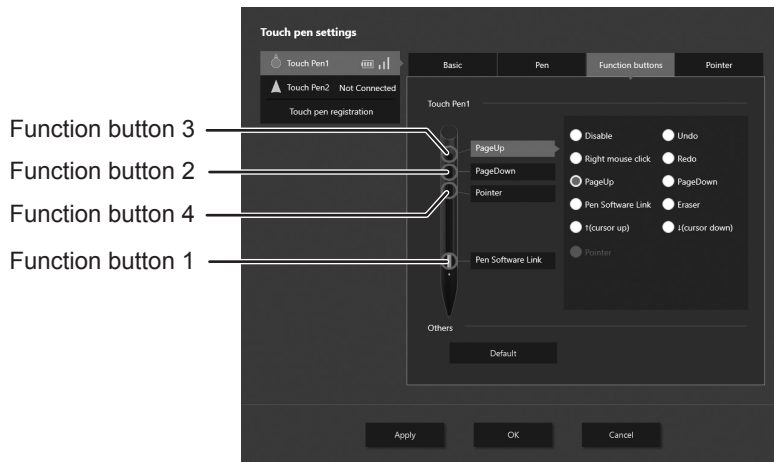


## ■Function buttons

Functions can be assigned to the function buttons 1 to 3 of an active pen.

You can also specify whether or not the pointer function is assigned to function button 4.

After selecting a function button, select the function to be assigned to the button.



Functions that can be assigned to function buttons 1 to 3 are as follows.

Function type	Function
Windows	Disable, Right mouse click, Undo, Redo, PageUp, PageDown, ↑ (cursor up), ↓ (cursor down), Eraser* <sup>1</sup>
Pen Software	Pen Software Link* <sup>2</sup>

\*<sup>1</sup> Can be used when the operation mode is "Pen digitizer Mode". (See page 6.)

Can be used as the eraser for the digitizer pen in Windows.

\*<sup>2</sup> Cannot be used when the operation mode is "Pen digitizer Mode".

To return the function buttons to the settings below, click "Default".

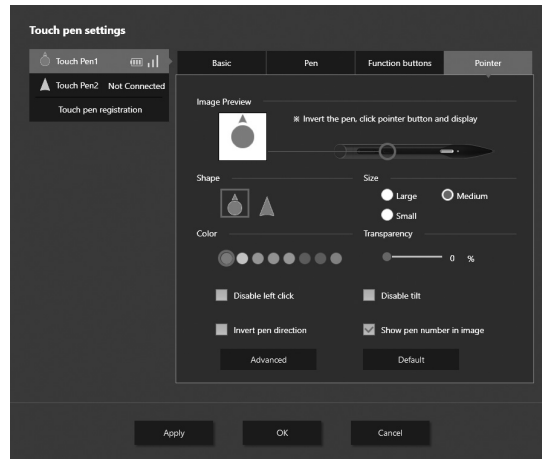
Function button 1: Pen Software Link

Function button 2: PageDown

Function button 3: PageUp

Function button 4: Pointer

## ■Pointer



### Image Preview

Shows the currently set pointer icon.

### Shape

Set the shape of the pointer.

### Size

Set the size of the pointer.

### Color

Set the color of the pointer.

### Transparency

Set the transmissivity of the pointer.

### Disable left click

Select this checkbox to disable mouse left click by function button 4.

### Disable tilt

Select this checkbox to disable detection of pen tilt.

### Invert pen direction

Select this checkbox to use the pointer function by pointing the pen tip at the screen.

### Show pen number in image

Select this checkbox to show the pen number on the pointer icon.

### Advanced

Pointer speed : Adjust how fast the pointer moves when the active pen is moved.

Image stabilization : Adjust the movement of the pointer due to blurring.

Pointer start time : Set the time until the pointer appears after the function button is pressed.

Centering Time : Set the time until the pointer position returns to the center of the screen.  
The pointer will return to the center of the screen when the set time elapses after you stop using the pointer function.

Default : Return the items in “Advanced” to their default settings.

### Default

Return all items in the pointer settings to their default settings.

### TIPS

- To execute a left click, press function button 4.  
To use as a pointer, press and hold function button 4.
- To drag, press and release function button 4 and then immediately press and hold function button 4. The pointer will move to the position where you release function button 4.
- If the pointer icons overlap when multiple pens are used, the icon with the lowest number will appear.
- While left clicking or dragging, left click and drag cannot be used on another active pen.

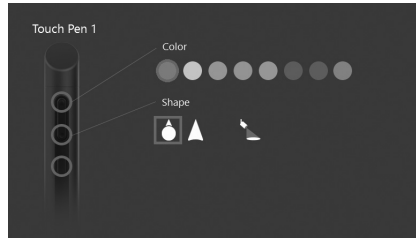
## ■ Changing the shape or color of the pointer icon

You can change the pointer icon settings while using the pointer function (while pressing function button 4).

Only one active pen can be set at once.

**1. To change the icon shape : Press function button 2 while pressing function button 4.**

**To change the icon color : Press function button 3 while pressing function button 4.**



The selection changes each time you press function button 2 or 3.

**2. When you have completed the settings, release function button 4.**

### Spotlight

When spotlight (🔦) is selected in "Shape", the overall screen darkens and a bright circular area appears at the pointer position.

#### TIPS

- The size and transmittance (brightness) of the spotlight is determined by the "Pointer".
- When the spotlight is set, the pointer cannot be used with other active pens.
- When using the spotlight, you can perform touch or mouse actions on the brightened part of the screen only.

## Registering(pairing)/unregistering an active pen

Up to 4 active pens can be used simultaneously.

To use the optional active pen, you must register the active pen (pairing).

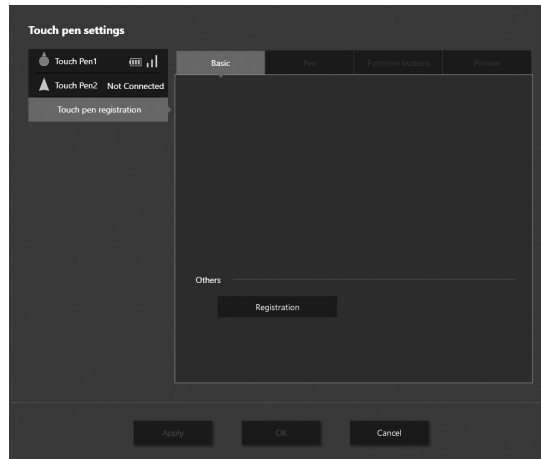
Up to 8 active pens can be registered.

You can also cancel the registration of an active pen.

### ■Registering an active pen

Perform active pen pairing for one pen at a time.

1. Click the Touch pen Management Tool icon (  ) on the taskbar.
2. Click “Touch pen registration” in the “Touch pen settings”.
3. Click “Registration” in the touch pen settings screen.




4. Simultaneously hold down function button 1 and function button 3 of the active pen being paired for at least 5 seconds.
5. When the LED blinks twice or more, release function button 1 and function button 3.  
A message appears after completion of pairing.
6. Click “OK”.

### ■Unregistering an active pen

1. Click the active pen you want to cancel in the touch pen list on the touch pen settings screen.
2. Click “Unregister”.

# Uninstall

## ! Caution

- This can only be done by a user with administrator authority.
- 1. Click the Touch pen Management Tool icon (  ) on the taskbar and click “Exit”.**
    - If a confirmation window appears, click “Yes”.
  - 2. Select “Control Panel” from the “Start” menu.**
  - 3. Click “Uninstall a program”.**
    - If you are using icon view, click “Programs and Features”.
  - 4. Select “SHARP Touch pen Management Tool” and click “Uninstall”.**
    - Follow the on-screen instructions.
    - When the “User Account Control” screen appears, click “Yes” (or “Allow”).
  - 5. If a screen appears prompting you to restart your computer, restart your computer.**

This completes the uninstallation.

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