FT-01B Finger Touch Unit - Quick Start Guide

Models CP-TW2505 and CP-TW3005

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Getting Started: Installation and Configuration

Please see FT-01B User's Manual for complete installation instructions. The Finger Touch Unit should be installed by a professional. Be sure to request installation by your dealer or service company. This device can only be used with Hitachi LCD projectors. It cannot be used with other projectors or for floor-mounted installation.

BEFORE ATTACHING FT-01B:

Check the distance:

If there is a frame with the whiteboard, a distance of 4.5" or more is needed between the top of the projector image to the upper frame.

A distance of 2" or more, is needed between left/right/bottom of the projector-image to the left/right/bottom frame.

The distance will prevent malfunctions.

Min 2"
Min 4.5"
Min 2"
Min 2"

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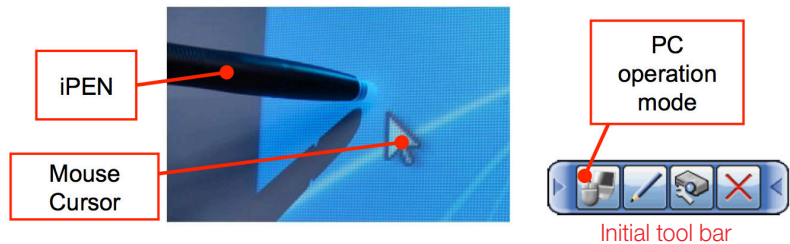### Check if the Mouse-Cursor follows the iPEN tip:

Push CALIBRATION button on the remote and select AUTO or MANUAL CALIBRATION.

Click the image with the iPEN and check if the Initial-Tool-Bar appears.

Push the PC operation mode button, and check if the Mouse Cursor follows the iPEN.

If not, please check below.
 - Projector is set to PC INTERACTIVE mode
 - Projector and PC is connected with USB cable correctly
 - Apply calibration and try again

iPEN

Mouse Cursor

PC operation mode

Initial tool bar

Prepare the FT-01B:

Remove the cover from the FT-01B.

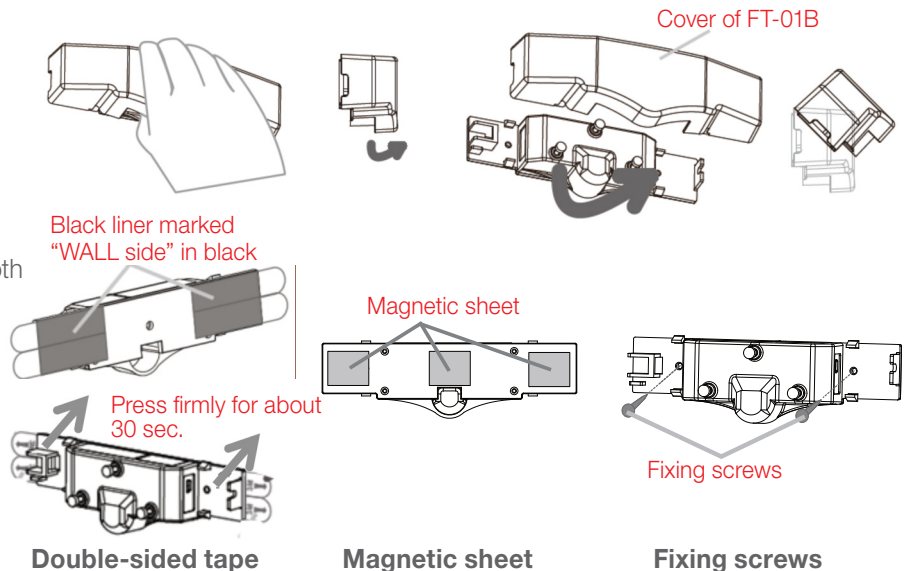Use one of three ways to attach/secure the finger touch unit.

Double-sided tape
Use four strips of double sided tape on flat, smooth surfaces. Make sure that the surface is clean.

Magnetic sheet
Using magnetic sheet, affix three strips.

Fixing screws
Secure on a fixed location (i.e., metal), using two screws.

Cover of FT-01B

Black liner marked "WALL side" in black

Magnetic sheet

Press firmly for about 30 sec.

Fixing screws

Double-sided tape   **Magnetic sheet**   **Fixing screws**

ATTACHING THE FT-01B:

Attach the FT-01B:
The FT-01B has to be attached on the same surface of the image. Don't attach outside of the whiteboard or on the frame.

The FT-01B has to be above and center of the image.

The distance of 2"- 4" is needed between the bottom of the FT-01B and top of the image.

The distance of 0.5" or more is recommended between the bottom of the upper-frame and the top of the FT-01B, to prevent the cover being blocked by the frame when it's removed.

OK **Bad** **Bad**

Center of image

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0.5" or more

2" - 4"

Top of the image
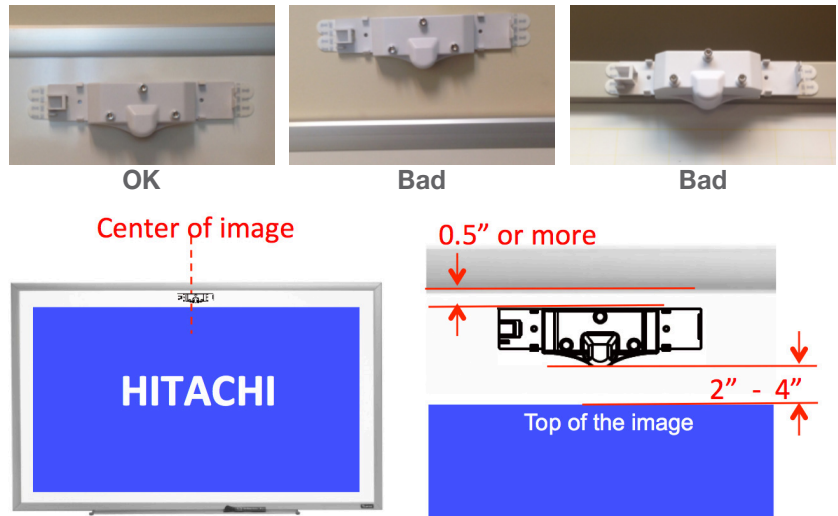
Plug the cable FT-01B and Option Port:
Connect the FT-01B and Projector's Option port with the mini-USB cable to supply the power. Use Phillips screwdriver to remove the cover of the Option port.
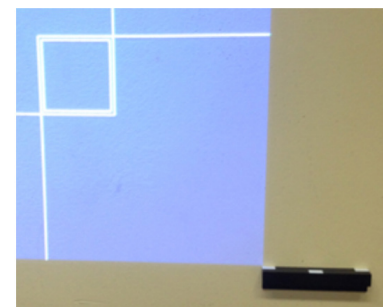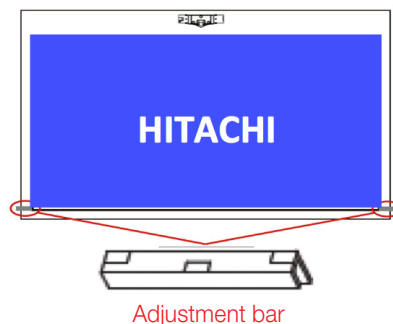
Go to ADVANCED MENU -> IWB -> IWB SETUP and check if FINGER TOUCH is set to ON.
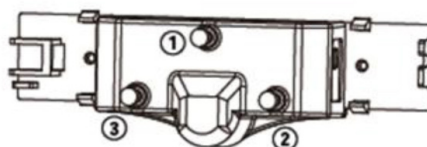
Mini USB cable

Option port
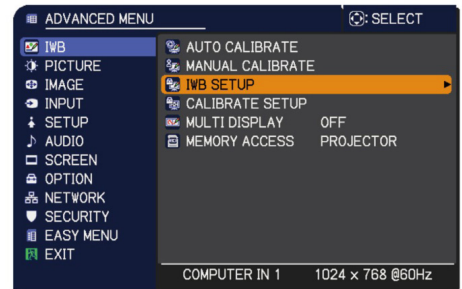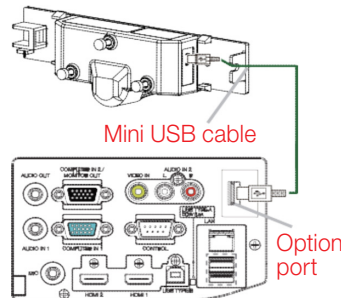
ATTACH FT-01B:

Attach the ADJUSTING BAR:
Attach the Adjusting-Bar at the bottom right and left corners of the image. Surface with the 3 white-dots has to face upward.
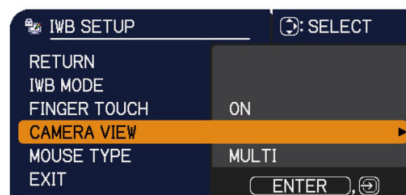
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Adjustment bar

0.3" from case

Set adjusting knobs:
Set all 3 adjusting knobs (1) & (2) & (3) so that these protrude about 0.3" from the case.

Show the CAMERA VIEW:
Go to ADVANCED MENU -> IWB -> IWB SETUP-> CAMERA VIEW
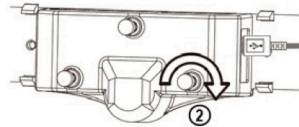
CAMERA VIEW
(image from built-in camera)

ADJUSTING FT-01B continued:
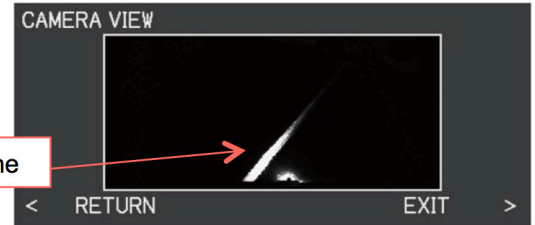
Turn knob (2) clockwise:
Turn the knob (2) clockwise until the reflection line appears in the screen.

* Reflection line
  Reflection of the laser curtain from the FT-01B to the surface of the whiteboard
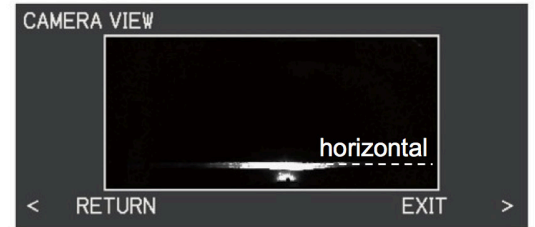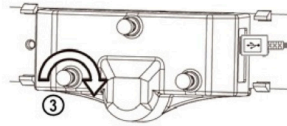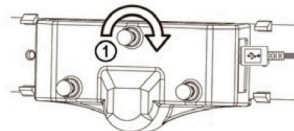

Reflection Line

Turn knob (3) clockwise:
Turn the knob (3) clockwise so that the reflection line is horizontal.

horizontal

Turn knob (1) clockwise:
Turn the knob (1) clockwise so that the reflection line moves near the vertical center.

Reflection Line — To the center
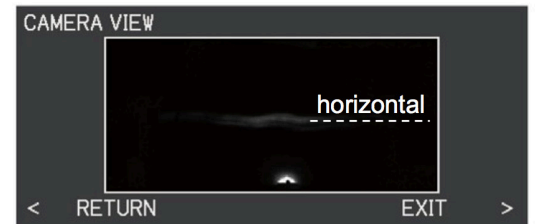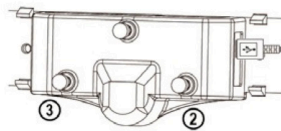
Turn knob (2)/(3):
If the reflection line is not horizontal, use knob (2) or (3) to make the reflection line horizontal.


horizontal

Turn knob (1) clockwise:
Turn the adjustment knob (1) clockwise again and move the reflection line upward.

If the reflection line tilted, use knob (2),(3) and make it horizontal.

Turn the knob (1) clockwise again until one dot, not two, appears at the both left and right of the screen.

These dots are the reflection from the dot on the Adjusting-bars which attached at the bottom of the image.

One Dot   One Dot
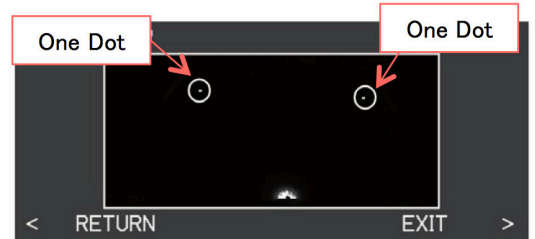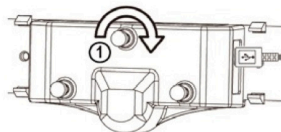
### Turn knob (1), slowly, counter-clockwise:
Turn the knob (1), slowly, counter-clockwise until the two dots appears at the right and left of the image.

* This means that the Laser-curtain from the FT-01B, is hitting on the two side-dots, close to the boundary-line of one center-dot and two side-dots, of the each Adjustment-bars and the laser-curtain is covering the whole image surface with decent distance.

Two Dots Appears   Two Dots Appears
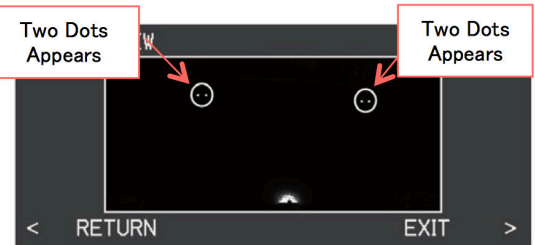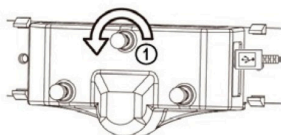
EXIT the CAMERA VIEW:
Push right-button of remote and Exit from CAMERA VIEW.
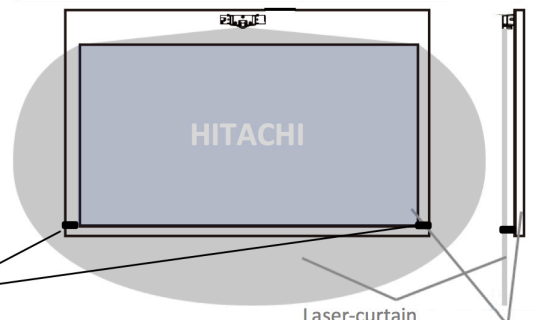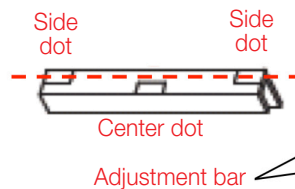
Side dot   Side dot

Center dot

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Adjustment bar

Laser-curtain

White board

CHECK:

Touch the image:

Touch the image and check if the Initial-tool-bar appears. Push the Internal Painter mode button, and check if annotation can be done on the whole image.

If the annotation is not accurate, please go back to the CAMERA VIEW.

Check if the two dots are lit.

Also touch the image with fingertip and check that the fingertip lit up in the CAMERA VIEW.

Check if the distance between your fingertip and the image surface is within ¼" or less when the fintertip starts to light.
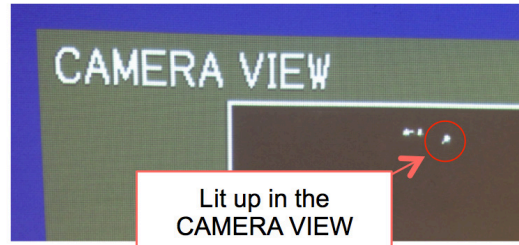
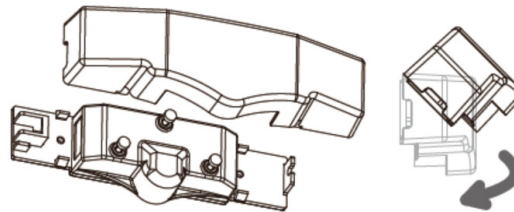If it's more than ¼" distance between, then go through the ADJUST FT-01B process again.

Touch the image with fingertip

Internal Painter mode
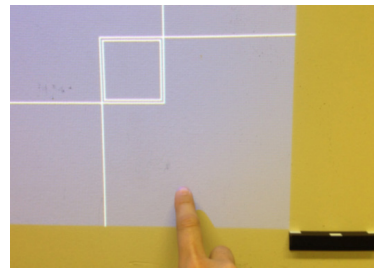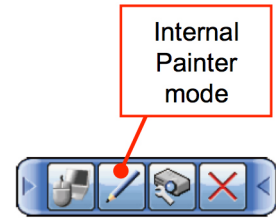
Initial tool bar

CAMERA VIEW

Lit up in the CAMERA VIEW

Attach the cover:

Gently attach the cover so that it does not touch the adjusting knobs.

Remove the adjusting bars from the whiteboard.

Trouble Shooting

Q. Can I mount the finger touch unit above my white board?

A. No. The finger touch unit MUST be mounted on the same surface as the display.

Q. How do I get a full image and full screen interaction on my white board when using the finger touch unit?

A. You cannot. The finger touch unit MUST be mounted 2-4 inches above the image, and it also requires 2 inches between the frame, if there is a frame. This means you have to shrink the image to provide this requirement.

Q. Can I use the finger touch unit on an uneven surface?

A. No. The surface must be flat. An uneven surface, or a surface with curve will cause inaccuracy.

Q. There is unintentional annotation or mouse cursor is moving to the specific position.

A. Strong ambient light might, such as sunlight from the window or incandescent light, can cause interference with finger touch function. Please close the curtain or blind of the window, turn-off the stand light close to the projector's image and apply the AUTO or MANUAL CALIBRATION again.

Q. Will the chalk shelf on my whiteboard interfere with my finger touch interaction?

A. Sometimes, yes. The reflection from the chalk shelf sometimes interferes. There are "anti-reflection bars" included with the finger touch unit for this reason.

Q. The position of mouse cursor is not matching with the I-PEN tip / Fingertip. (i.e. The line I am drawing is 2 inches away from tip of the interactive pen.)

A. Push the CALIBRATION button on the remote and apply AUTO or MANUAL CALIBRATION. If the gap still remains, please go to the ADVANCED MENU -> IWB ->CALIBRATE SETUP -> IWB AREA SETUP and set it to [MANUAL] and do the calibration. Click the position of mouse cursor by iPEN at the upper left and then click at the lower right.

Cursor

Cursor

* Please apply this IWB AREA SETUP –[MANUAL] with PC or MAC image on the screen.

Call: 800-HITACHI (800-448-2244)
Email: lcdprojector@hal.hitachi.com
Hours of operation:
Monday through Friday, 9:00 AM—6:00 PM EST

For complete information and installation instructions refer to the FT-01B User's Manual or go to www.hitachiserviceusa.com