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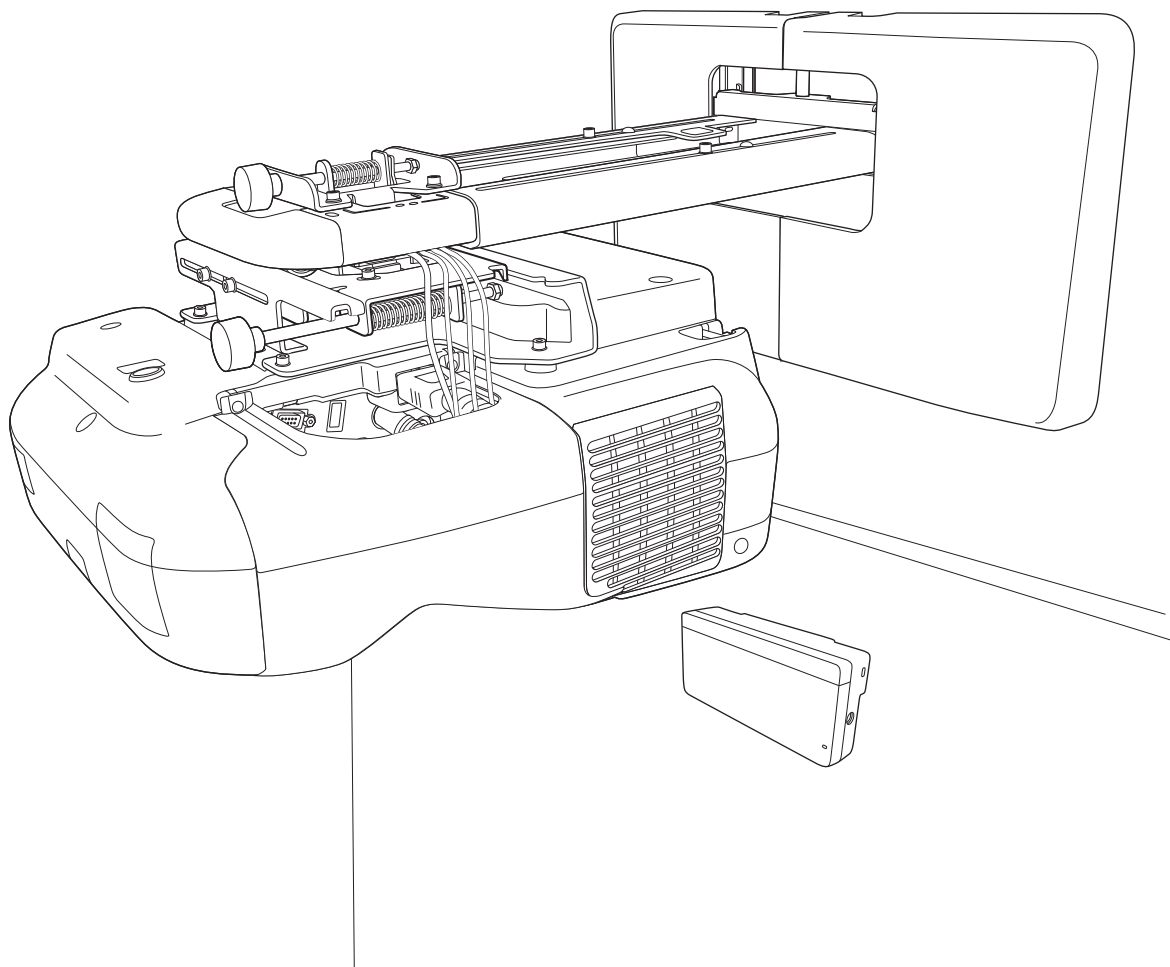
EB-595Wi

Installation Guide

⬜ Safety Instructions

For your safety, read all the instructions in this guide before using this product. Incorrect handling that ignores instructions in this guide could damage this product or could result in personal injury or property damage. Keep this installation guide at hand for future reference.

Read the *User's Guide* and *Safety Instructions* for your projector and follow the instructions in these documents.

Safety indications

The documentation and this product use graphical symbols to show how to use this product safely.

The indications and their meaning are as follows. Make sure you understand them properly before reading the guide.

Symbol	Explanation
⚠ Warning	This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.
⚠ Caution	This symbol indicates information that, if ignored, could possibly result in personal injury or physical damage due to incorrect handling.

Explanation of Symbols

Symbols	Explanation
🚫	Symbol indicating an action that must not be done
❗	Symbol indicating an action that should be done
📖	Symbol indicating related or useful information

Safety Precautions for Installation

⚠ Warning	
The setting plate is exclusively for mounting the projector on a wall. If anything other than a projector is mounted, the weight may result in damage. If this product falls, it could cause death or personal injury.	❗
The installation work (wall mounting) should be performed by specialists who have technical knowledge and ability. Incomplete or incorrect installation could cause the product to fall and cause personal injury or property damage.	❗
Follow the instructions in this guide when installing this product. If the instructions are not followed, this product may fall, resulting in personal injury or an accident.	❗

⚠ Warning	
Handle the power cord carefully. Incorrect handling may cause fire or electric shock. Observe the following precautions when handling: • Do not handle the power plug with wet hands. • Do not use a power cord that is damaged or modified. • Do not pull the power cord with too much force when routing the cable through the setting plate.	❗
Do not install the setting plate in a place where it might be subjected to vibration or shock. This could cause damage to the projector or mounting surface. If this product falls, it could cause death or personal injury.	🚫
Install the setting plate so that it can sufficiently support the mass of the projector and setting plate, and resist any horizontal vibration. Use M10 nuts and bolts. Nuts and bolts smaller than M10 could cause the setting plate to fall. Epson accepts no responsibility for any damage or injury caused by lack of wall strength or inadequate installation.	❗
The installation work should be performed by at least two qualified service personnel. If you need to loosen any screws during installation, be careful not to drop this product. If this product falls, it could cause death or personal injury.	❗
When mounting this product on a wall, the wall requires enough strength to hold the projector, the setting plate, and the Touch Unit. This product should be installed on a concrete wall. The maximum combined weight of the projector, setting plate, and Touch Unit is approximately 14.5 kg (not including cables). Ensure the strength of the wall before mounting this product on the wall. If the wall is not strong enough, reinforce the wall before installation.	❗
Inspect the setting plate on a regular basis to ensure there are no broken parts or loose screws. If any parts are damaged, stop using the setting plate immediately. If this product falls, it could cause death or personal injury.	🚫
Do not disassemble or remodel this product. There are numerous high-voltage sections inside the product that could cause a fire, electric shock, or an accident.	🚫
Do not hang on this product or hang a heavy object on this product. If this product falls, it could cause death or personal injury.	🚫
Do not use adhesives, lubricants, or oils to install or adjust the setting plate. If you use adhesives to prevent the screws from loosening or things such as lubricants or oils on the slide plate fixing part of the projector, the case may crack and cause the projector to fall, resulting in personal injury or property damage.	🚫
Tighten all screws firmly after adjustment. Otherwise, the product may fall and cause personal injury or property damage.	❗
Never loosen the bolts and nuts after installation. Confirm that the screws have not become loose on a regular basis. If you find any loose screws, tighten them firmly. Otherwise, the product may fall and cause personal injury or property damage.	🚫
Route the cables so that they do not interfere with the nuts and bolts. Incorrect handling of the cables may cause fire or electric shock.	❗

⚠ Warning	
When turning on the projector, do not look into the projection window. This could cause damage to eyesight due to the powerful light emitted. Take particular care when there are children present. When turning on the projector at a distance using the remote control, make sure there is no one looking into the projection window.	🚫
When using the projector, do not place any objects or put your hand near the projection window. This area is dangerous as it reaches a high temperature due to the concentrated projection light.	🚫
Do not cover the projector's air intake vent or air exhaust vent. If either of the vents are covered, the internal temperature could rise and cause a fire. Avoid locations subject to high temperatures, such as close to heaters, and leave a gap of at least 20 cm between the wall and the air exhaust vent.	🚫
Do not use the projector in a location subject to combustible or explosive gas. The projector may catch fire because of the high temperature of the lamp inside the projector.	🚫
If any abnormalities occur with this product, immediately disconnect the cables from the product, and then contact your local dealer or the nearest Epson service call center. Continuing to use the product in an abnormal condition could cause a fire, electric shock, or visual impairment.	❗

⚠ Caution	
Do not install this product in a location where the operating temperature for your projector model may be exceeded. Such an environment may damage the projector.	🚫
Install this product in a place free from excessive dust and humidity to prevent the lens or optical components from becoming dirty.	❗
Do not use excessive force when adjusting this product. This product may break, resulting in personal injury.	🚫

Notes on handling the Touch Unit

⚠ Warning	
Do not disassemble or remodel the Touch Unit. The Touch Unit contains a high power laser product that could cause a fire, electric shock, or an accident.	🚫
Follow the instructions in this guide to setup and operate the Touch Unit. If the Touch Unit is not setup and operated correctly, it could cause damage to eyesight due to light from the laser.	❗
Do not apply optical devices such as a magnifying glass or telescope to the laser light diffused from the Touch Unit. Using it in this condition could have a negative influence on the human body. It could also cause a fire or accident.	🚫

⚠ Warning	
Do not look into the Touch Unit's laser diffusion ports. This could cause damage to eyesight due to the powerful laser light emitted. Take particular care when there are children present.	🚫
Do not view the laser light using optical devices such as a magnifying glass within a range of 70 mm from the laser diffusion ports. This could cause visual impairment.	🚫
Only connect the Touch Unit to the EB-595Wi. Do not connect it to any other projectors or devices. The device could malfunction, or laser light could leak beyond its restricted area.	🚫
Do not go near the Touch Unit if you are using medical equipment such as a pace maker. Furthermore, when using the Touch Unit, make sure there is no one using medical equipment such as a pace maker, in the surrounding area. A powerful magnet within the unit generates electromagnetic interference which may cause medical equipment to malfunction.	❗

⚠ Caution	
Do not go near the Touch Unit with magnetic storage media such as magnetic cards, or precision electronic devices such as computers, digital watches, or mobile phones. A powerful magnet within the unit could corrupt data or cause a malfunction.	🚫

About This Installation Guide

This guide describes how to mount the short-throw projector EB-595Wi on a wall. It also explains how to install the Touch Unit after mounting on a wall.

◯ Choosing an Installation Location

Projector installation location

- Carry out power supply wiring work for the installation location of the setting plate in advance.
- Install the projector away from other electric devices such as fluorescent lights or air conditioners. Some kinds of fluorescent lights could interfere with the remote control of the projector.
- It is recommended to keep connection cable length less than 20 meters to reduce external noise.
- We recommend using stick-on screens or board screens.
- Make sure the projector is installed under the following conditions.

  - The projected image is a rectangular shape without any distortion.
  - The projector is tilted at an angle of no more than ±3° vertically and horizontally in relation to the screen.
- When using the interactive function (Easy Interactive Function), install so that the projected image is within reach.
- Do not install the projector or the screen in a location subject to direct sunlight. If the projector or the screen are subject to direct sunlight, the interactive function may not operate correctly.

Touch Unit installation location

- When using the Touch Unit, install the projector using one of the following methods. The Touch Unit cannot be used if another installation method is used.

  - Mount the projector on a wall or suspend it from a ceiling and project images from in front of the screen.
  - Install vertically on a table and project from the front of the desk. (When installing vertically on a table, you need the optional Interactive Table Mount (ELPMB29).)
- Before installing the Touch Unit, make sure that the installation location meets the following conditions.

  - The Touch Unit can be secured with magnets or with screws.
  - A flat, smooth, unwarped surface with no unevenness on the screen surface of more than 5 mm.

5mm
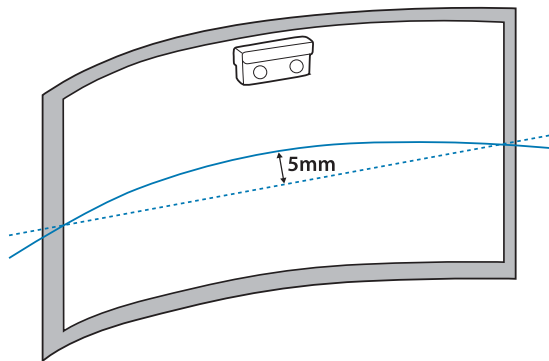
- When installing on a whiteboard, install the Touch Unit within the frame of the whiteboard.

Correct installation position	Incorrect installation position
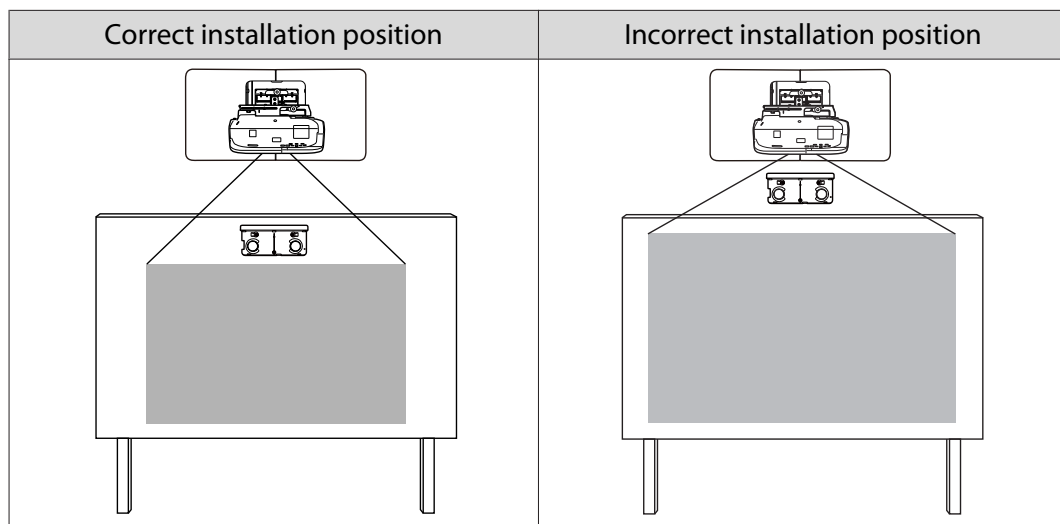
● When installing the Touch Unit, make sure there are no obstacles, such as cables, or protruding items such as whiteboard trays, holders, or thick frames in the shaded areas in the following figure. The Touch Unit will not operate correctly.

[Unit: mm]

Contents

Installation Work Flow

Follow the procedures below to mount the projector on a wall.

1 Installing the Setting Plate and the Projector (☛ p.23)

2 Adjusting the Projected Image (☛ p.34)

3 Calibrating the Interactive Pen (☛ p.41)

When installing the Touch Unit, finish installing the projector first, and then follow the procedures below.

1 Installing the Touch Unit (☛ p.47)

2 Adjusting the Angle of Laser Diffusion (☛ p.51)

3 Performing Touch Calibration (☛ p.62)

⊙ Package Contents

Setting plate

The following supplied items are necessary to mount the projector on a wall. Confirm that you have all items before beginning.
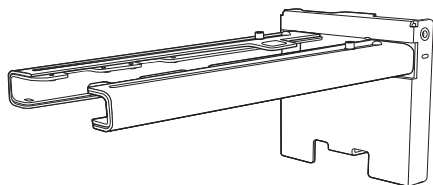
Setting plate	Hexagonal axis	Wall plate
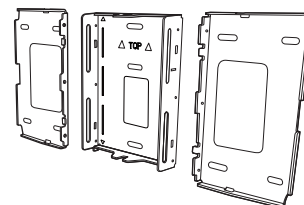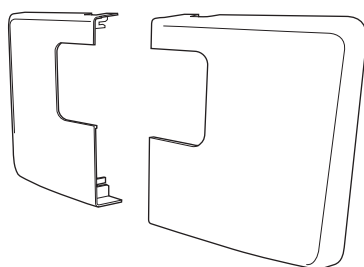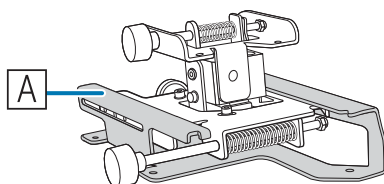
Wall plate cover	3-axis adjustment unit *The slide plate (A) is secured during shipping.	Template sheet (for installing the wall plate)
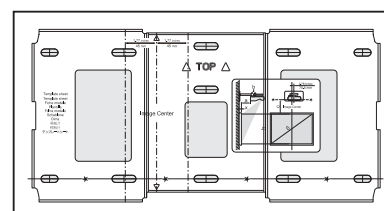
End cap	Hexagon wrench (for M4)	Open-ended spanner 13 mm (for M8 and M6), 6 mm (for hexagonal axis)
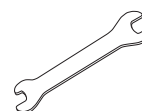
Shape	Name	Quantity	Application
	M4 x 12 mm hexagon socket head cap bolt with washer/spring washer	6	For wall plate assembly
		4	For 3-axis adjustment unit/arm installation
		4	For slide plate/projector installation
		2	For slide plate/3-axis adjustment unit installation (attached during shipping)
	M6 x 20 mm hexagon shoulder head bolt with washer/spring washer	1	For setting plate/wall plate installation
	M6 x 20 mm cross recessed head shoulder screws with plastic washers	3	

- Use the bolts or screws supplied with this product to install it as directed in this guide. Do not substitute these bolts with any other types.
- You need to use commercially available M10 x 60 mm anchors (at least 3) to attach the wall plate to the wall.
- Gather the tools and parts you need before you begin installation.

Touch Unit

The following supplied products are necessary when attaching the Touch Unit. Confirm that you have all items before beginning.
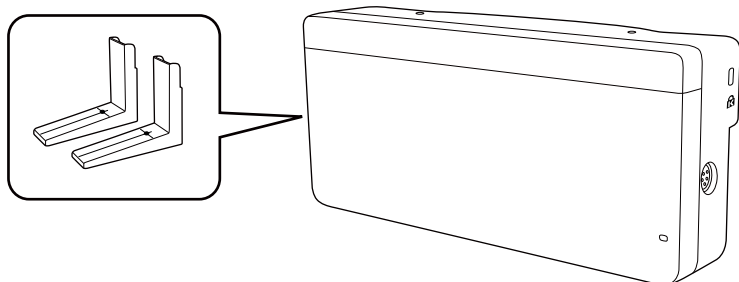
Touch Unit/Markers x2 (attached to Touch Unit)
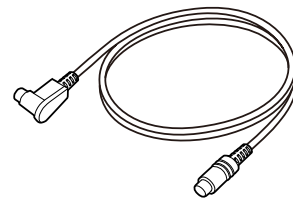
Touch Unit connection cable

Spacer for screw hole x3
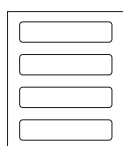
Label x4
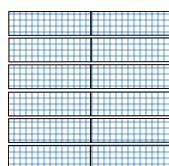
Tape (approx. 6 cm) for securing the marker x12
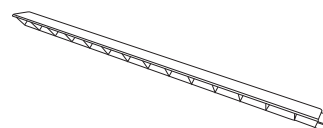
Infrared deflector (approx. 28.5 cm) x8

When installing the Touch Unit on a non-magnetic surface, prepare three M4 screws.

ⓘ Specifications

Setting plate

Item	Specification	Remark	Reference Page
Setting plate weight	Approx. 8.1 kg	Setting plate (3.0 kg), 3-axis adjustment unit (1.2 kg), slide plate (0.8 kg), wall plate (2.7 kg), wall plate cover and end cap (0.4 kg)	
Maximum load capacity	7 kg		
Forward/backward slide adjustment range	0 to 360 mm	Arm slide adjustment range: 0 to 273 mm Adjustment for 3-axis adjustment unit installation position: 87 mm	See the figure below
Vertical slide adjustment range	±38 mm		See the figure below
Horizontal roll adjustment range	±3°	Fine adjustments possible with adjustment dial	☞ p.34
Horizontal rotation adjustment range	±8°	Fine adjustments possible with adjustment dial	☞ p.34
Vertical tilt adjustment range	±3°	Fine adjustments possible with adjustment dial	☞ p.34
Horizontal slide adjustment range	±45 mm		See the figure below

Wall plate

The following figure shows three wall plates connected to form one plate (separate when shipped).

[Unit: mm]
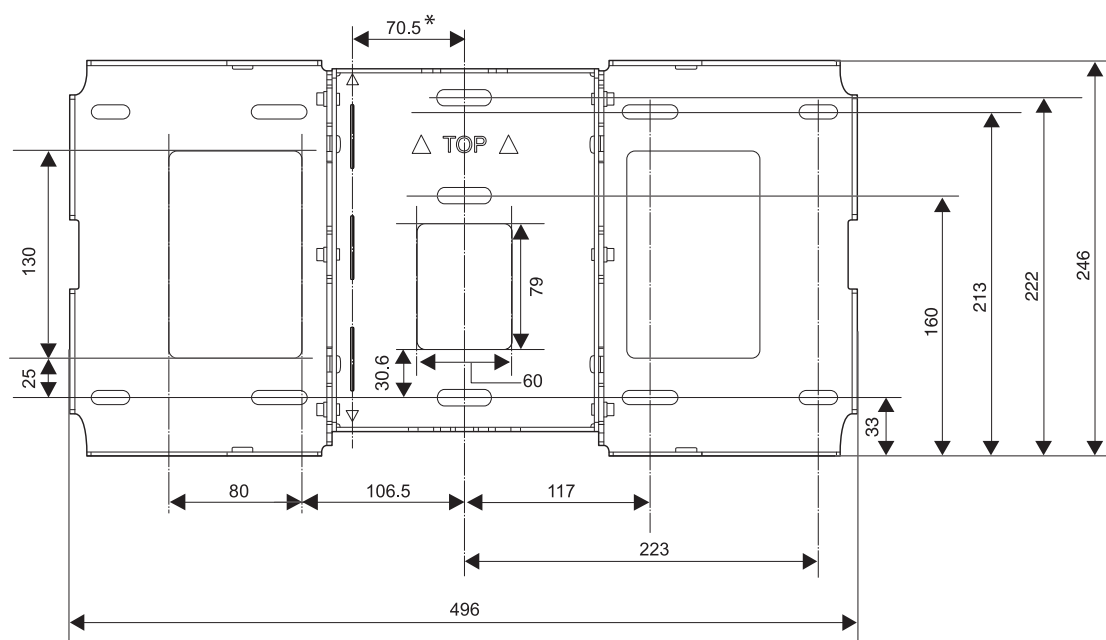
* Offset value for the position of the center of the projected image and the center of the wall plate

Cable routing holes

When routing cables to connect to the projector through a wall, use positions (A) and (B) in the following figure as the cable routing holes.
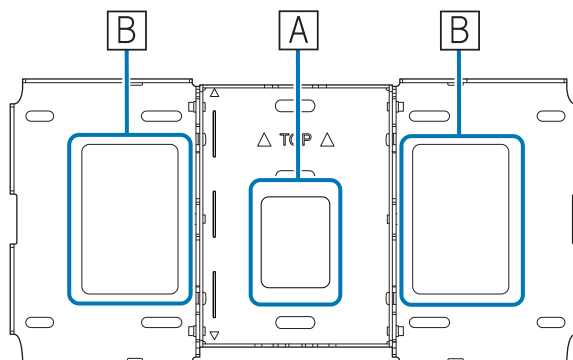
Vertical slide adjustment range
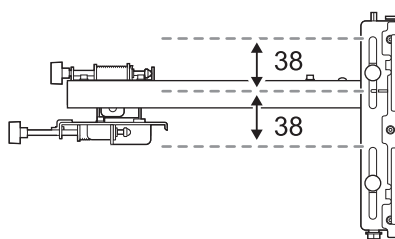
[Unit: mm]

Horizontal slide adjustment range
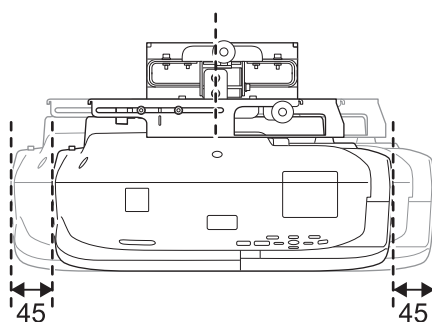
[Unit: mm]

Forward/backward slide adjustment range

Arm slide adjustment range
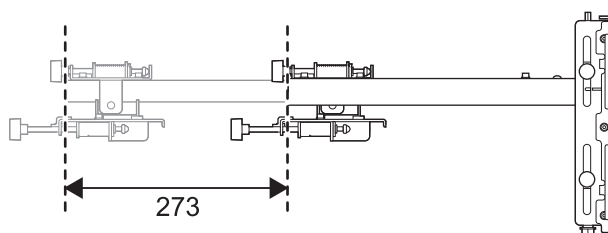
[Unit: mm]

Adjustment range for 3-axis adjustment unit installation position

[Unit: mm]

87
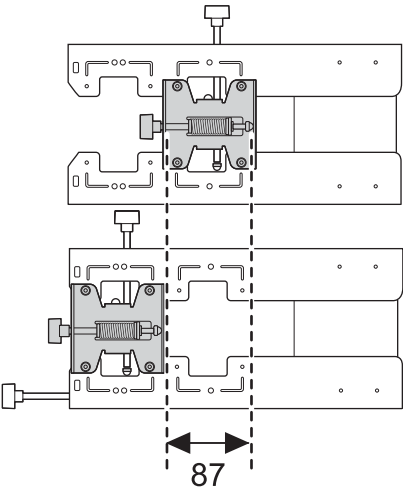
Touch Unit

◼ Touch Unit (external dimensions/weight)

[Unit: mm]

95

210

51
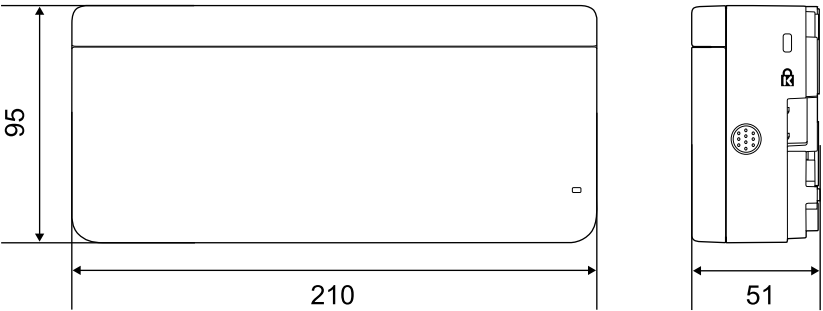
The Touch Unit weighs approximately 450 g.

◼ Attached labels

The Touch Unit is a Class 1 laser product that conforms to the JIS C 6802:2011 standard. There are warning labels affixed to the Touch Unit to indicate that it is a Class 1 laser product.
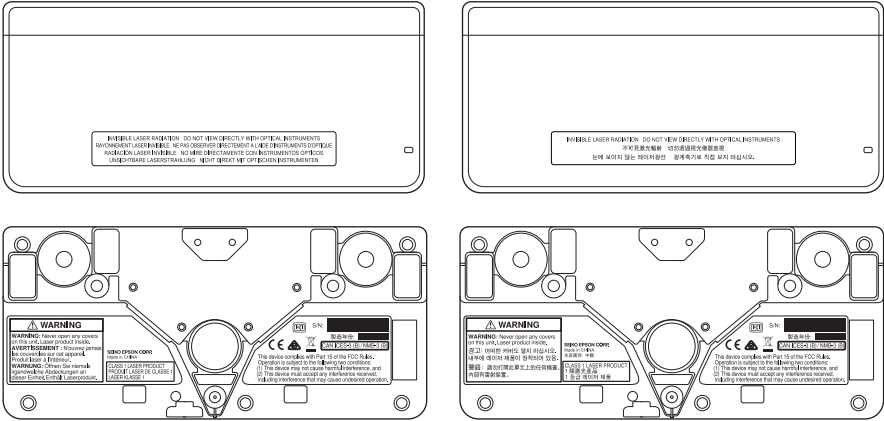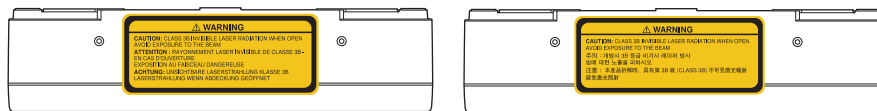
The labels contain the following information.

- CLASS 1 LASER PRODUCT
- WARNING: Never open any covers on this unit. Laser product inside.
- WARNING:

  - CAUTION: CLASS 3B INVISIBLE LASER RADIATION WHEN OPEN
  - AVOID EXPOSURE TO THE BEAM

Laser diffusion port

The laser beam is diffused from the laser diffusion ports at the back of the Touch Unit.
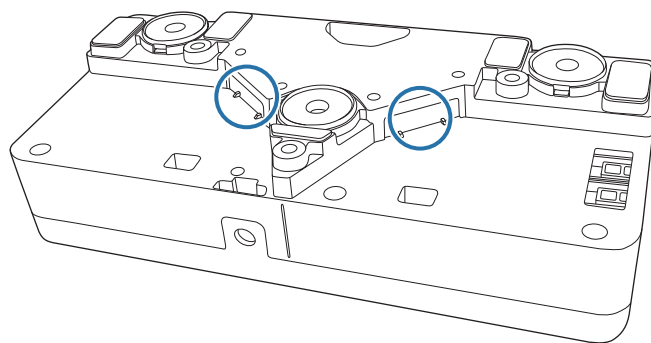
Projection Distance Table

Figures of Installation Dimensions

To find the appropriate screen size, see the following figures when installing. The values are only rough estimates.

The recommended range for the projection distance (a) is 62 to 311 mm.

The offset value for the position of the center of the projected image and the center of the wall plate is 70.5 mm.

When the projected image size (S) is 75 inches or more, the scale on the arm slide (b) is equal to the projection distance (a).

The numbers for (a) and (b) differ if the projected image size (S) is less than 75 inches.

When installing the Touch Unit, install it on the screen that is being used for projection.

You need at least 120 mm distance between the top edge of the projected image and the top edge of the the actual screen to install the Touch Unit.

> ⚠ **Caution**
>
> Leave the following gaps around the edge of the screen.
>
> - From the top of the projected image to the bottom of the Touch Unit: 25 mm
> - From the edges of the projected image to the edges of the screen: At least 100 mm left and right
> - From the bottom of the projected image to the bottom of the screen: At least 20 mm
>
> If there are obstacles such as cables, whiteboard trays, holders, or frames within the areas noted above, the Touch Unit will not operate correctly.

[Unit: mm]

S : Projected image size   ①‍ : Wall plate
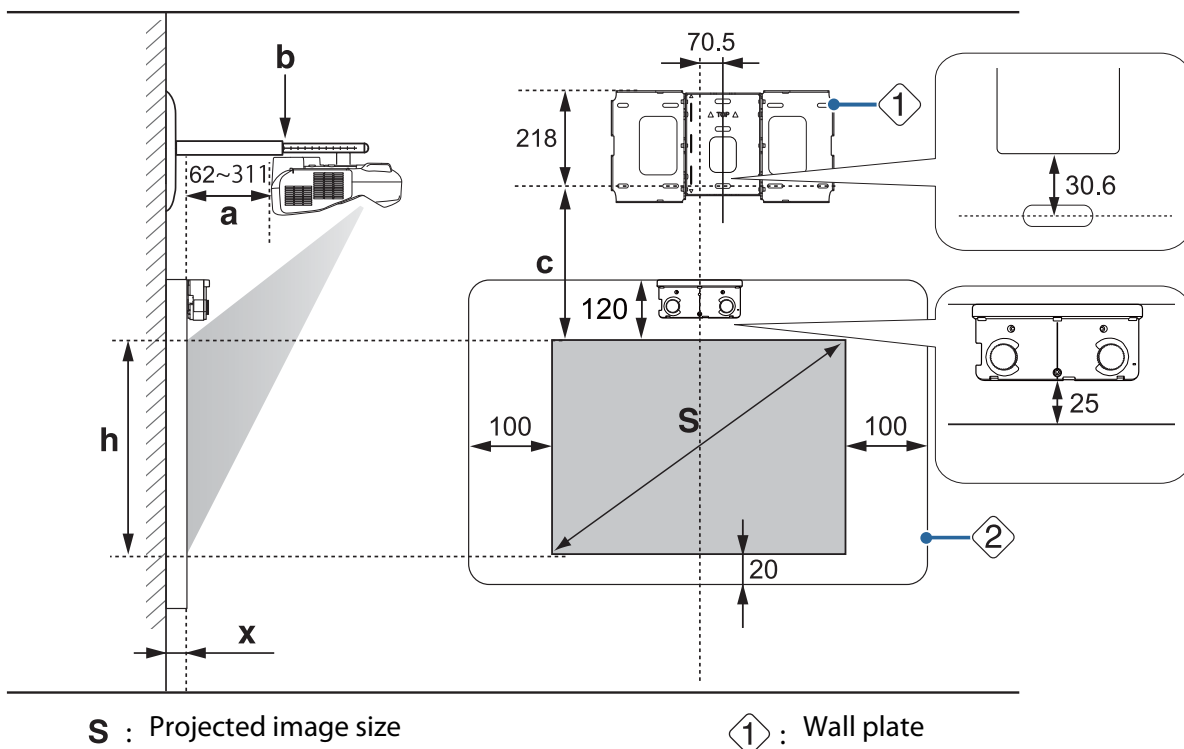
a : Minimum projection distance (Wide: maximum zoom)
to maximum (Tele: minimum zoom)

b : Numbers on the arm slide scale

c : Distance from projected image to wall plate

h : Height of projected image

x : Distance from surface of screen to wall (100 mm or less)

② : Screen

Aspect ratio for standard projected image
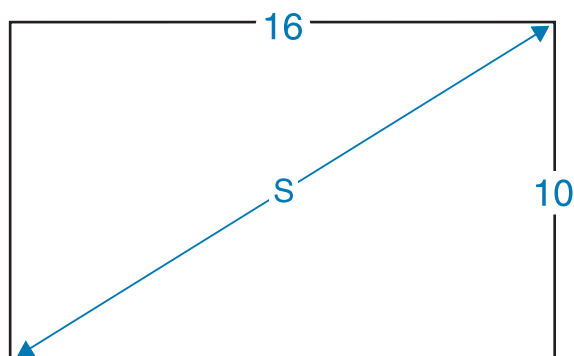
When Projected Image is Smaller than 75 Inches

Mount the 3-axis adjustment unit at the position marked with a ○ stamp (A).

The projection distance table provides the figures when mounting the 3-axis adjustment unit at the position marked with a ○ stamp (A). The numbers on the arm slide scale (b) differ from the projection distance (a).

The distance (c) from the projected image to the wall plate is the number given when the vertical slide is set to the standard position (B).

Match the notch on the setting plate to the position of the stamp on the wall plate.

■ 16:10 projected image

[Unit: cm]

16

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
60"	129.2x80.8	6.2 - 19.3	14.9 - 28.0	17.4	80.8
61"	131.4x82.1	6.9 - 20.1	15.6 - 28.8	17.7	82.1
62"	133.5x83.5	7.5 - 20.9	16.2 - 29.6	17.9	83.5
63"	135.7x84.8	8.1 - 21.8	16.8 - 30.5	18.2	84.8
64"	137.9x86.2	8.7 - 22.6	17.4 - 31.3	18.5	86.2
65"	140.0x87.5	9.3 - 23.5	18.0 - 32.2	18.7	87.5
66"	142.2x88.8	10.0 - 24.3	18.7 - 33.0	19.0	88.8
67"	144.3x90.2	10.6 - 25.1	19.3 - 33.8	19.3	90.2
68"	146.5x91.5	11.2 - 26.0	19.9 - 34.7	19.5	91.5
69"	148.6x92.9	11.8 - 26.8	20.5 - 35.5	19.8	92.9
70"	150.8x94.2	12.4 - 27.6	21.1 - 36.3	20.1	94.2
71"	152.9x95.6	13.1 - 28.5	21.8 - 37.2	20.3	95.6
72"	155.1x96.9	13.7 - 29.3	22.4 - 38.0	20.6	96.9
73"	157.2x98.3	14.3 - 30.2	23.0 - 38.9	20.9	98.3
74"	159.4x99.6	14.9 - 31.0	23.6 - 39.7	21.1	99.6

Images smaller than 60 inches are not projected correctly.

16:9 projected image

[Unit: cm]

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
59"	130.6x73.5	6.6 - 19.8	15.3 - 28.5	21.7	73.5
60"	132.8x74.7	7.3 - 20.7	16.0 - 29.4	22.0	74.7
61"	135.0x76.0	7.9 - 21.5	16.6 - 30.2	22.3	76.0
62"	137.3x77.2	8.6 - 22.4	17.3 - 31.1	22.7	77.2
63"	139.5x78.5	9.2 - 23.3	17.9 - 32.0	23.0	78.5
64"	141.7x79.7	9.8 - 24.1	18.5 - 32.8	23.4	79.7
65"	143.9x80.9	10.5 - 25.0	19.2 - 33.7	23.7	80.9
66"	146.1x82.2	11.1 - 25.8	19.8 - 34.5	24.1	82.2
67"	148.3x83.4	11.7 - 26.7	20.4 - 35.4	24.4	83.4
68"	150.5x84.7	12.4 - 27.6	21.1 - 36.3	24.8	84.7
69"	152.8x85.9	13.0 - 28.4	21.7 - 37.1	25.1	85.9

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
70"	155.0x87.2	13.7 - 29.3	22.4 - 38.0	25.4	87.2
71"	157.2x88.4	14.3 - 30.1	23.0 - 38.8	25.8	88.4
72"	159.4x89.7	14.9 - 31.0	23.6 - 39.7	26.1	89.7
73"	161.6x90.9	15.6 - 31.1	24.3 - 39.8	26.5	90.9
74"	163.8x92.1	16.2 - 31.1	24.9 - 39.8	26.8	92.1

Images smaller than 59 inches are not projected correctly.

4:3 projected image

[Unit: cm]

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
53"	107.7x80.8	6.2 - 19.3	14.9 - 28.0	17.4	80.8
54"	109.7x82.3	6.9 - 20.2	15.6 - 28.9	17.7	82.3
55"	111.8x83.8	7.6 - 21.2	16.3 - 29.9	18.0	83.8
56"	113.8x85.3	8.3 - 22.1	17.0 - 30.8	18.3	85.3
57"	115.8x86.9	9.1 - 23.1	17.8 - 31.8	18.6	86.9
58"	117.9x88.4	9.8 - 24.0	18.5 - 32.7	18.9	88.4
59"	119.9x89.9	10.5 - 25.0	19.2 - 33.7	19.2	89.9
60"	121.9x91.4	11.2 - 25.9	19.9 - 34.6	19.5	91.4
61"	124.0x93.0	11.9 - 26.9	20.6 - 35.6	19.8	93.0
62"	126.0x94.5	12.6 - 27.8	21.3 - 36.5	20.1	94.5
63"	128.0x96.0	13.3 - 28.8	22.0 - 37.5	20.4	96.0
64"	130.0x97.5	14.0 - 29.7	22.7 - 38.4	20.7	97.5
65"	132.1x99.1	14.7 - 30.7	23.4 - 39.4	21.0	99.1
66"	134.1x100.6	15.4 - 31.1	24.1 - 39.8	21.3	100.6
67"	136.1x102.1	16.1 - 31.1	24.8 - 39.8	21.6	102.1
68"	138.2x103.6	16.8 - 31.1	25.5 - 39.8	21.9	103.6
69"	140.2x105.2	17.5 - 31.1	26.2 - 39.8	22.2	105.2
70"	142.2x106.7	18.2 - 31.1	26.9 - 39.8	22.5	106.7
71"	144.3x108.2	18.9 - 31.1	27.6 - 39.8	22.8	108.2
72"	146.3x109.7	19.6 - 31.1	28.3 - 39.8	23.2	109.7
73"	148.3x111.3	20.3 - 31.1	29.0 - 39.8	23.5	111.3

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
74"	150.4x112.8	21.0 - 31.1	29.7 - 39.8	23.8	112.8

Images smaller than 53 inches are not projected correctly.

> • The values are only rough estimates. The value may differ depending on the location where you place the projector.
> • When projecting in Tele, the quality of the projected images may decrease.
> • When projecting images at 4:3, the images are resized automatically and the quality of the projected images may decrease.

When Projected Image is Larger than 75 Inches

Mount the 3-axis adjustment unit at the position marked with a ◯◯ stamp (A).

The projection distance table provides the figures when mounting the 3-axis adjustment unit at the position marked with a ◯◯ stamp (A). The numbers on the arm slide scale (b) is the same as the projection distance (a).

The distance (c) from the projected image to the wall plate is the number given when the vertical slide is set to the standard position (B).

Match the notch on the setting plate to the position of the stamp on the wall plate.

▨ 16:10 projected image

[Unit: cm]

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
75"	161.5x101.0	15.5 - 31.1		21.4	101.0
76"	163.7x102.3	16.2 - 31.1		21.7	102.3
77"	165.9x103.7	16.8 - 31.1		21.9	103.7
78"	168.0x105.0	17.4 - 31.1		22.2	105.0
79"	170.2x106.3	18.0 - 31.1		22.5	106.3
80"	172.3x107.7	18.7 - 31.1		22.7	107.7
81"	174.5x109.0	19.3 - 31.1		23.0	109.0
82"	176.6x110.4	19.9 - 31.1		23.3	110.4
83"	178.8x111.7	20.5 - 31.1		23.5	111.7
84"	180.9x113.1	21.1 - 31.1		23.8	113.1
85"	183.1x114.4	21.8 - 31.1		24.1	114.4
86"	185.2x115.8	22.4 - 31.1		24.3	115.8
87"	187.4x117.1	23.0 - 31.1		24.6	117.1
88"	189.5x118.5	23.6 - 31.1		24.9	118.5
89"	191.7x119.8	24.2 - 31.1		25.2	119.8
90"	193.9x121.2	24.9 - 31.1		25.4	121.2
91"	196.0x122.5	25.5 - 31.1		25.7	122.5
92"	198.2x123.9	26.1 - 31.1		26.0	123.9
93"	200.3x125.2	26.7 - 31.1		26.2	125.2
94"	202.5x126.5	27.3 - 31.1		26.5	126.5
95"	204.6x127.9	28.0 - 31.1		26.8	127.9
96"	206.8x129.2	28.6 - 31.1		27.0	129.2
97"	208.9x130.6	29.2 - 31.1		27.3	130.6
98"	211.1x131.9	29.8 - 31.1		27.6	131.9
99"	213.2x133.3	30.4 - 31.1		27.8	133.3
100"	215.4x134.6	31.1*		28.1	134.6

* Figure for Wide (maximum zoom).

Images larger than 100 inches are not projected correctly.

16:9 projected image

[Unit: cm]

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
75"	166.0x93.4	16.8 - 31.1		27.2	93.4
76"	168.2x94.6	17.5 - 31.1		27.5	94.6
77"	170.5x95.9	18.1 - 31.1		27.8	95.9
78"	172.7x97.1	18.8 - 31.1		28.2	97.1
79"	174.9x98.4	19.4 - 31.1		28.5	98.4
80"	177.1x99.6	20.0 - 31.1		28.9	99.6
81"	179.3x100.9	20.7 - 31.1		29.2	100.9
82"	181.5x102.1	21.3 - 31.1		29.6	102.1
83"	183.7x103.4	21.9 - 31.1		29.9	103.4
84"	186.0x104.6	22.6 - 31.1		30.3	104.6
85"	188.2x105.8	23.2 - 31.1		30.6	105.8
86"	190.4x107.1	23.9 - 31.1		30.9	107.1
87"	192.6x108.3	24.5 - 31.1		31.3	108.3
88"	194.8x109.6	25.1 - 31.1		31.6	109.6
89"	197.0x110.8	25.8 - 31.1		32.0	110.8
90"	199.2x112.1	26.4 - 31.1		32.3	112.1
91"	201.5x113.3	27.0 - 31.1		32.7	113.3
92"	203.7x114.6	27.7 - 31.1		33.0	114.6
93"	205.9x115.8	28.3 - 31.1		33.3	115.8
94"	208.1x117.1	29.0 - 31.1		33.7	117.1
95"	210.3x118.3	29.6 - 31.1		34.0	118.3
96"	212.5x119.5	30.2 - 31.1		34.4	119.5
97"	214.7x120.8	30.9 - 31.1		34.7	120.8

Images larger than 97 inches are not projected correctly.

4:3 projected image

[Unit: cm]

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
75"	152.4x114.3	21.7 - 31.1		24.1	114.3
76"	154.4x115.8	22.4 - 31.1		24.4	115.8
77"	156.5x117.3	23.1 - 31.1		24.7	117.3

S		a	b	c	h
Projected image size		Projection Distance Minimum (Wide) to Maximum (Tele)	Numbers on the arm slide scale	Distance from projected image to wall plate	Height of projected image
78"	158.5x118.9	23.8 - 31.1		25.0	118.9
79"	160.5x120.4	24.5 - 31.1		25.3	120.4
80"	162.6x121.9	25.2 - 31.1		25.6	121.9
81"	164.6x123.4	25.9 - 31.1		25.9	123.4
82"	166.6x125.0	26.6 - 31.1		26.2	125.0
83"	168.7x126.5	27.3 - 31.1		26.5	126.5
84"	170.7x128.0	28.0 - 31.1		26.8	128.0
85"	172.7x129.5	28.7 - 31.1		27.1	129.5
86"	174.8x131.1	29.4 - 31.1		27.4	131.1
87"	176.8x132.6	30.1 - 31.1		27.7	132.6
88"	178.8x134.1	30.8 - 31.1		28.0	134.1

Images larger than 88 inches are not projected correctly.

- The values are only rough estimates. The value may differ depending on the location where you place the projector.
- When projecting in Tele, the quality of the projected images may decrease.
- When projecting images at 4:3, the images are resized automatically and the quality of the projected images may decrease.

⭕ Installing the Setting Plate

Connecting Devices
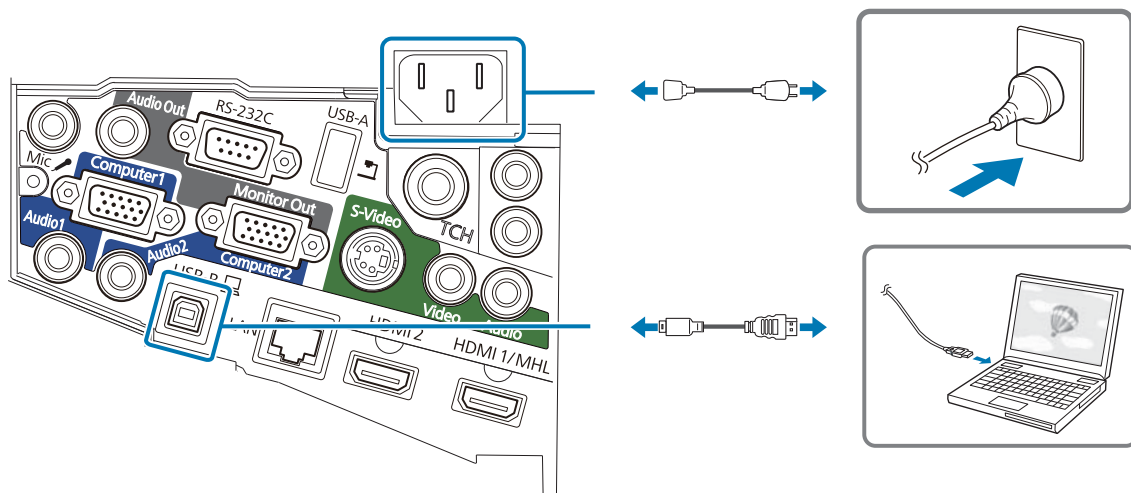
▪ Necessary cables

Prepare the necessary cables according to the devices being used.

- Power cord supplied (necessary)
- USB cable supplied
- Touch Unit connection cable supplied
- Optional computer cables and other cables (prepare according to the connected devices)

For details, see the projector's *User's Guide* (on the Document CD-ROM).

Necessary cables when using the Easy Interactive Function

When performing mouse operations using the Easy Interactive Function, you need a power cord and USB cable. Even when projecting using a computer cable, a USB cable is necessary to perform mouse operations.

Necessary cables when installing the Touch Unit

You need the supplied Touch Unit connection cable when installing the Touch Unit and connecting it to the projector. Operations are not performed correctly with a commercially available cable.

The shape of the plug that connects to the projector and the plug that connects to the Touch Unit differ. See the following figure to connect to the correct ports.
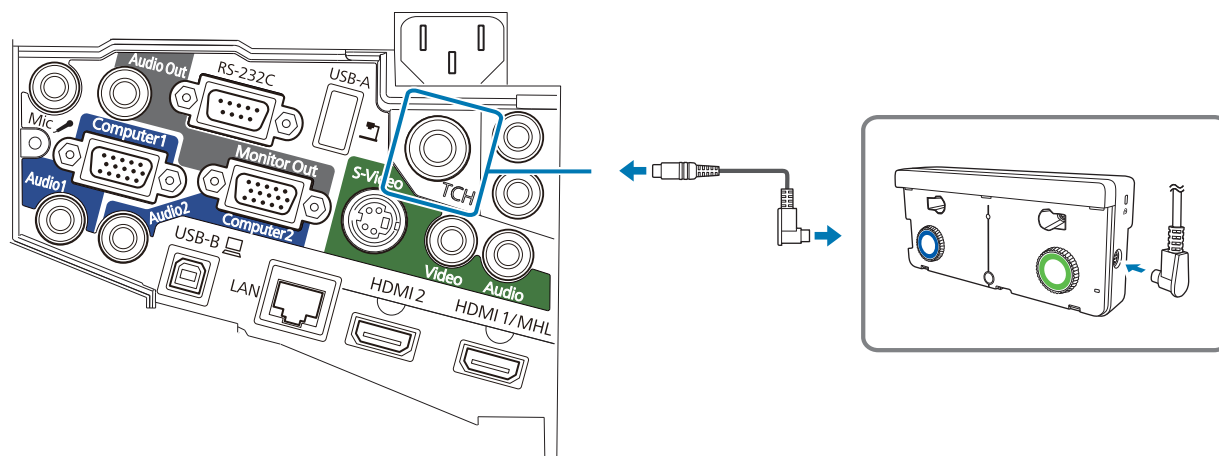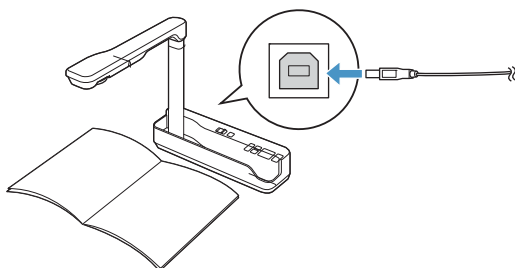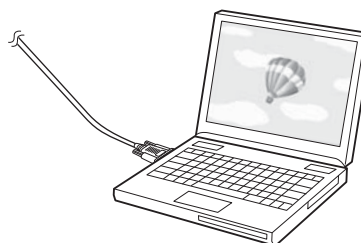
Prepare cables for the connected devices (example)

Document camera

Dedicated USB cable (supplied with document camera)

Computer

Computer cable (optional accessory)

External speakers

Audio cable (commercially available)
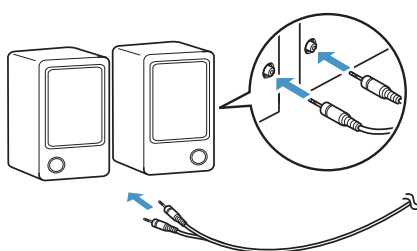
Microphone (commercially available)
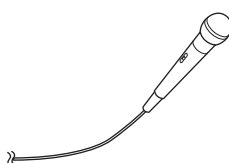
LAN device

LAN cable (commercially available)
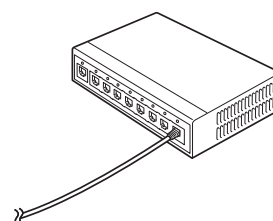
Installation Procedure

Make sure to follow the steps below to install the setting plate. If these steps are not followed, the product could fall and cause personal injury or property damage.

> ⚠ **Warning**
>
> Do not use adhesives, lubricants, or oils to install or adjust the setting plate. If you use adhesives to prevent the screws from loosening or things such as lubricants or oils on the slide plate fixing part of the projector, the case may crack and cause the projector to fall, resulting in personal injury or property damage.

■ Disassemble the parts

Remove the M4 bolts (x2), and then remove the slide plate from the 3-axis adjustment unit.
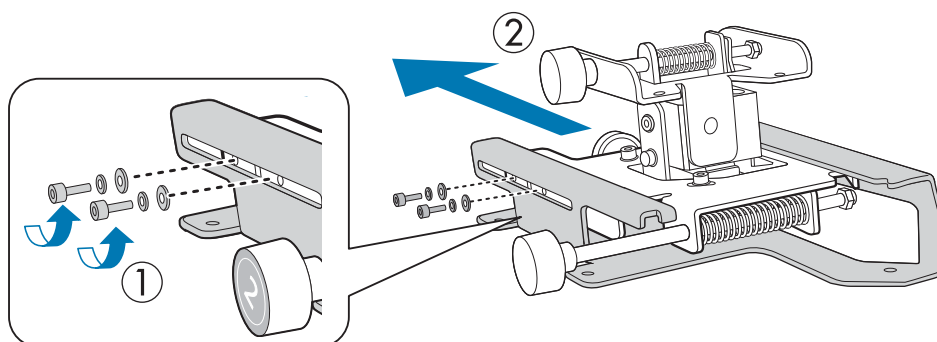
■ Assemble the parts

1 Assemble the three wall plates into one unit, and secure them with the M4 bolts (x6) supplied

2 Secure the slide plate to the base of the projector with the M4 bolts (x4) supplied

Bolt installation positions

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3 Attach the 3-axis adjustment unit to the setting plate with the M4 bolts (x4) supplied

- When a projected image is smaller than 75 inches: Mount the unit at the ○ stamp (A).
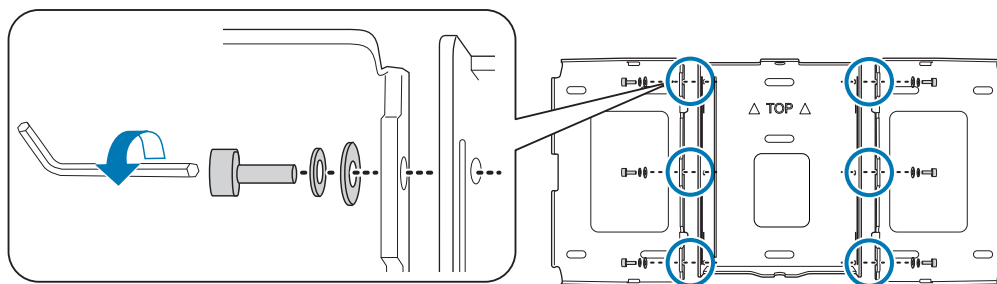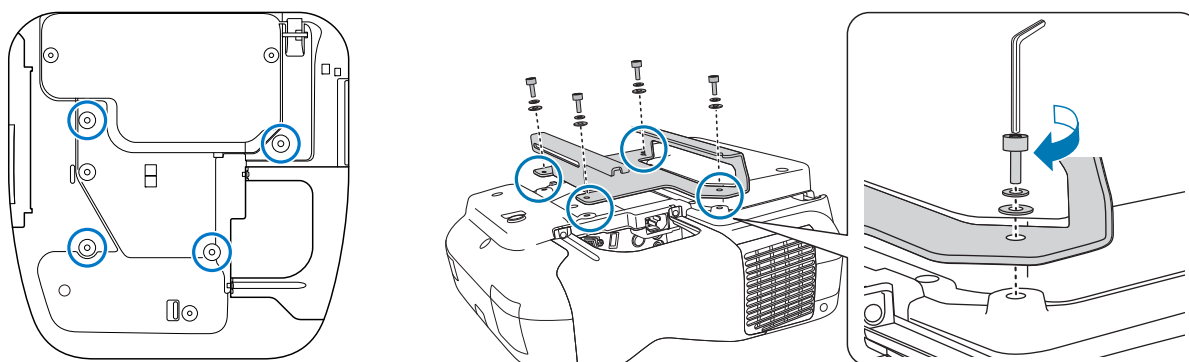- When a projected image is larger than 75 inches: Mount the unit at the ○ ○ stamp (B).

○ : Smaller than 75 inches   ○ ○ : Larger than 75 inches

A   B
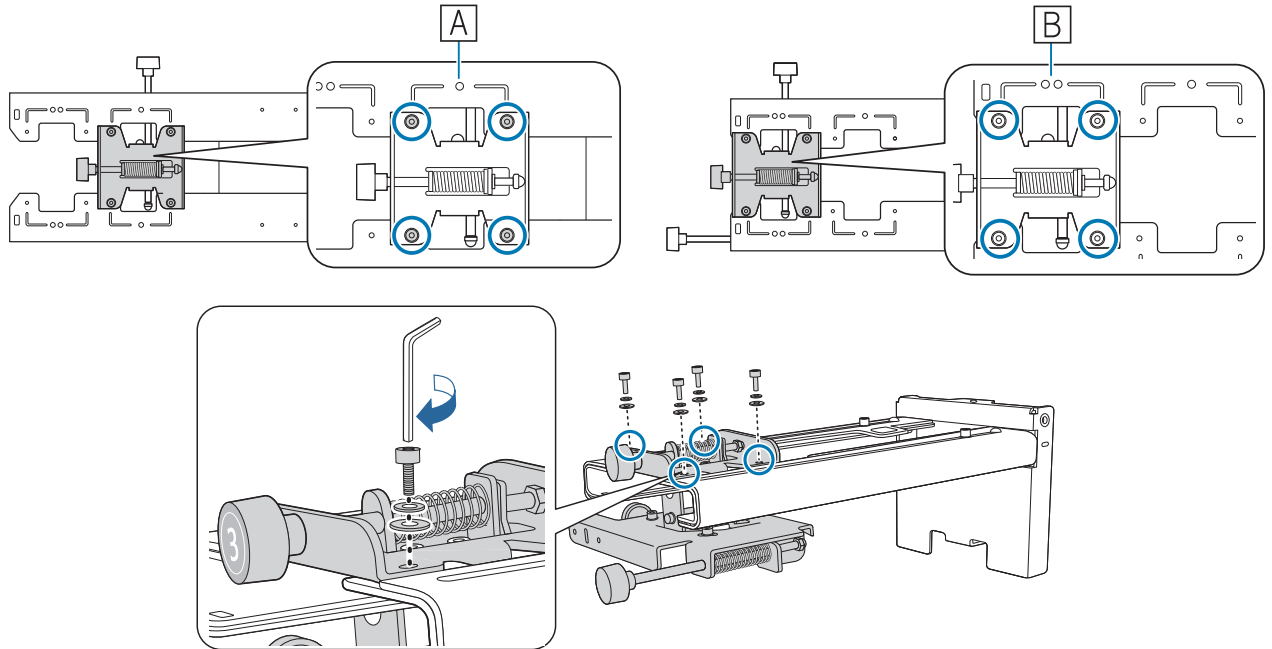
Install the wall plate on the wall

1 Determine the projection position based on the projected image size

See the projection distance table to calculate the projected image size (S) and the distance (c) from the projected image to the wall plate.

☛ "Projection Distance Table"

We recommend marking the following positions. These will be the basis for determining the mounting position of the wall plate.

- Height (①) of the distance (c) between the top edge of the projected image and the wall plate
- Center line (②) of the projected image

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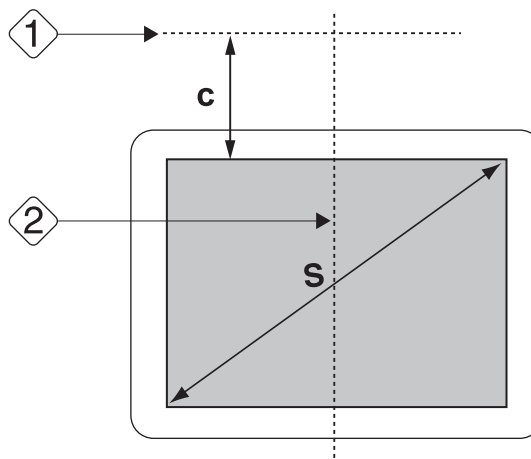
2 | Attach the template sheet to the wall

- Match the center line (②ᐯ) checked in step 1 to the Image Center line on the template sheet.

  Confirm where the beams are within the wall, and shift the position left or right as necessary.
  (The position can be shifted horizontally left or right from the center line of the projection surface up to a maximum of 45 mm.)

- Match the height (①ᐯ) checked in step 1 to the ★ line on the template sheet.

[Unit: mm]
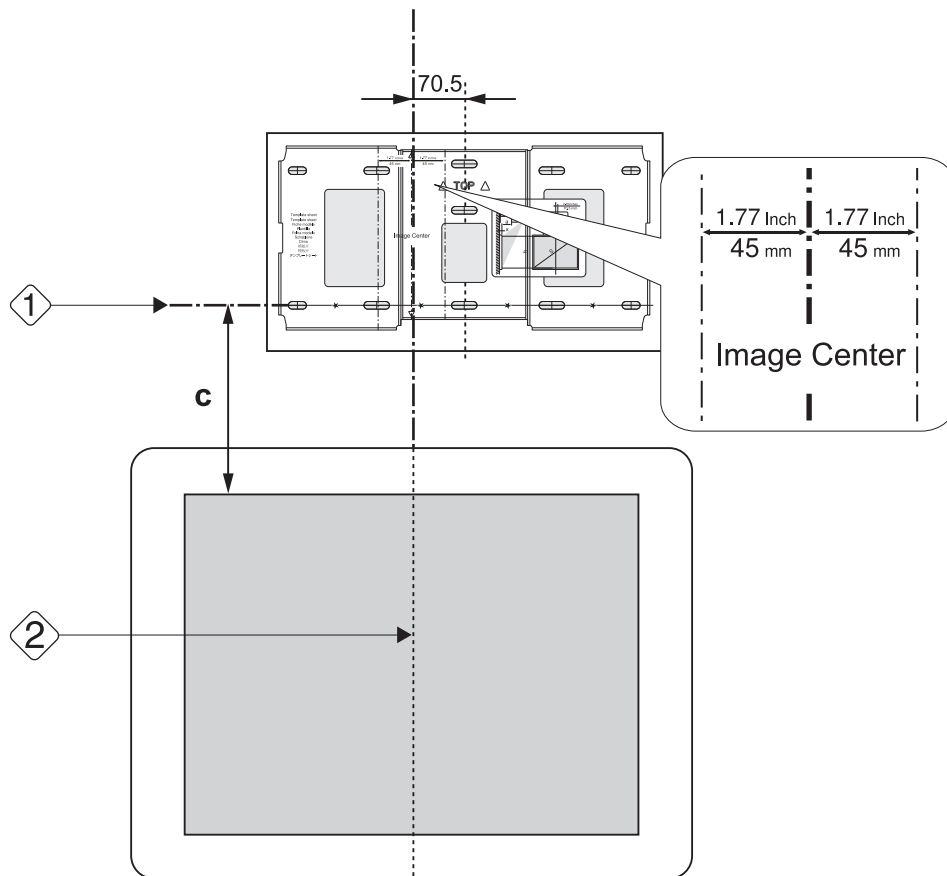
3 | Determine the positions for the mounting holes for the wall plate

Secure the wall plate in at least three points.

- If securing the wall plate in four places, make the holes indicated by A or B in the figure.
- If securing the wall plate in three places, make the holes indicated by C in the figure.

Four mounting holes   Three mounting holes

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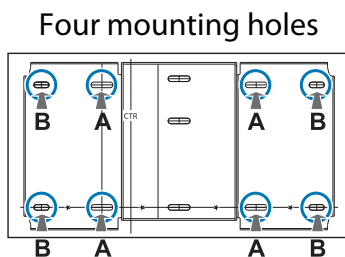
4 Drill the holes in the wall

Drill diameter: 10.5 mm
Pilot hole depth: 45 mm
Anchor hole depth: 40 mm
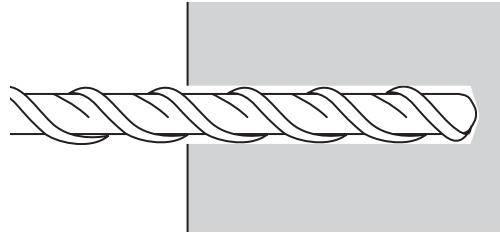
5 Remove the template sheet, and clean the concrete dust from the holes with a dust pump

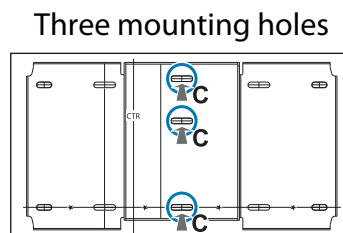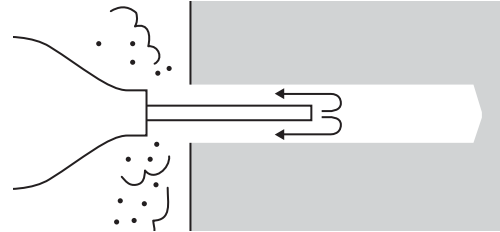**6** Position the wall plate on the wall and insert M10 x 60 mm commercially available anchors into the holes

Attach the nut and tap it with a hammer until the core touches the top of the anchor.
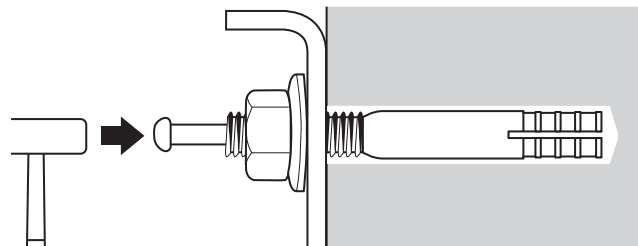
7 Tighten the nut with a commercially available spanner to secure the wall plate to the wall
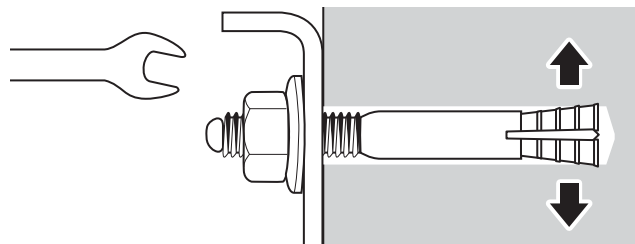
Determine the projection distance, and then pass the cables through the setting plate

1 Check the following values in the projection distance table

- Numbers on the arm slide scale (b)
- Distance from surface of screen to wall (x)

☛ "Projection Distance Table" p.15

2 Loosen the M4 bolts (x2) and extend the arm slide on the setting plate

Align the slider with the combined distances of (b) and (x) that you checked in step 1.
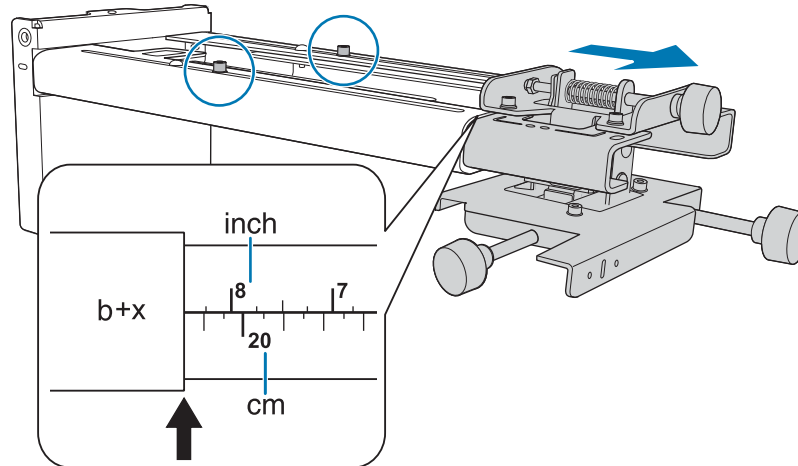
3 Route the necessary cables through the setting plate

See the following figure to route the cables so that the ends of the cables that connect to the projector are on the projector's interface side.
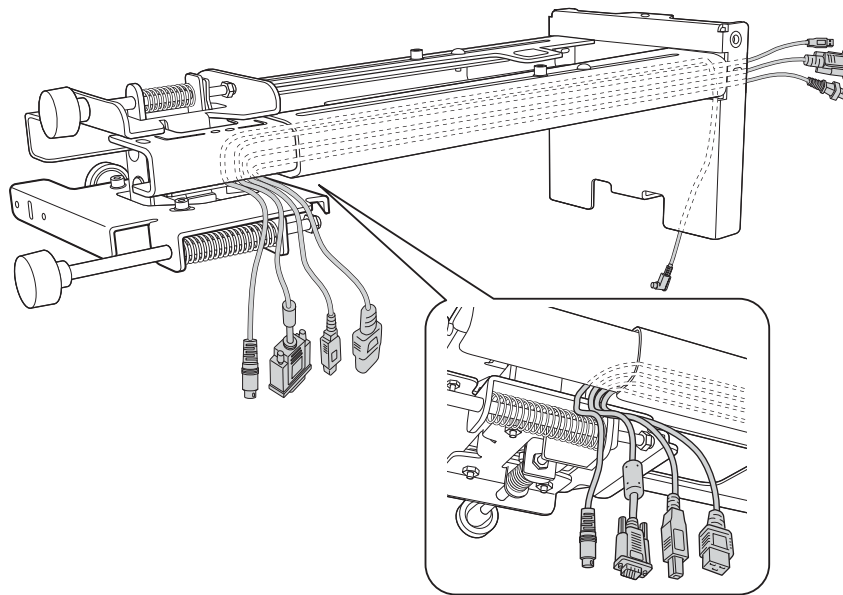
> ⚠️ **Warning**
>
> Do not hang the rest of the cable over the setting plate. They could fall and cause an accident.

> 📓 Route the Touch Unit connection cable through the setting plate. Route the cable so that the end that connects to the Touch Unit appears from the lower part of the setting plate.

▢ Attaching the setting plate to the wall plate

1 Insert the hexagonal axis into the setting plate
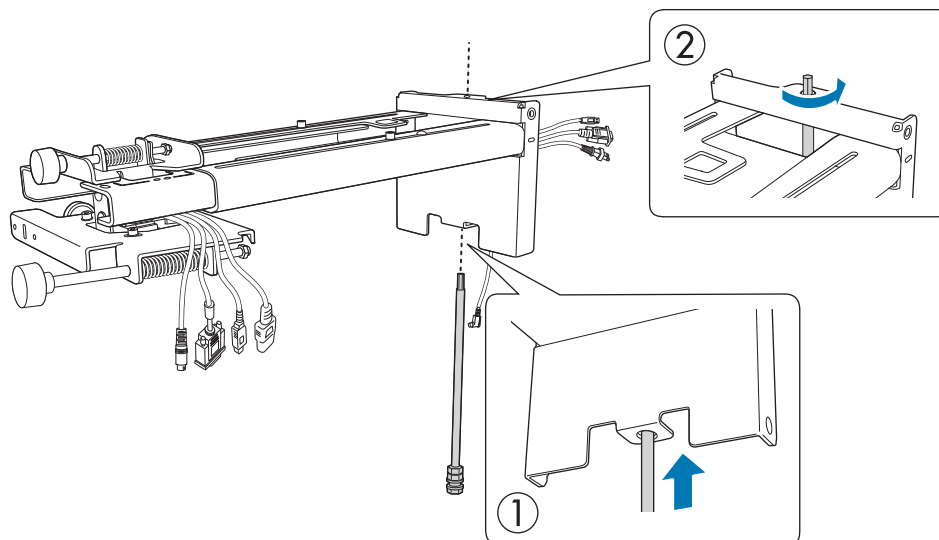
2 Mount the setting plate to the wall plate

Insert the top of the hexagonal axis into the wall plate, and then insert the M8 bolt into the slot at the bottom.

> ⚠ **Caution**
>
> - Do not wire the Touch Unit connection cable into the wall. If it is wired into the wall, it cannot be connected to the Touch Unit.
> - Take care not to trap the cables between the setting plate and wall plate.
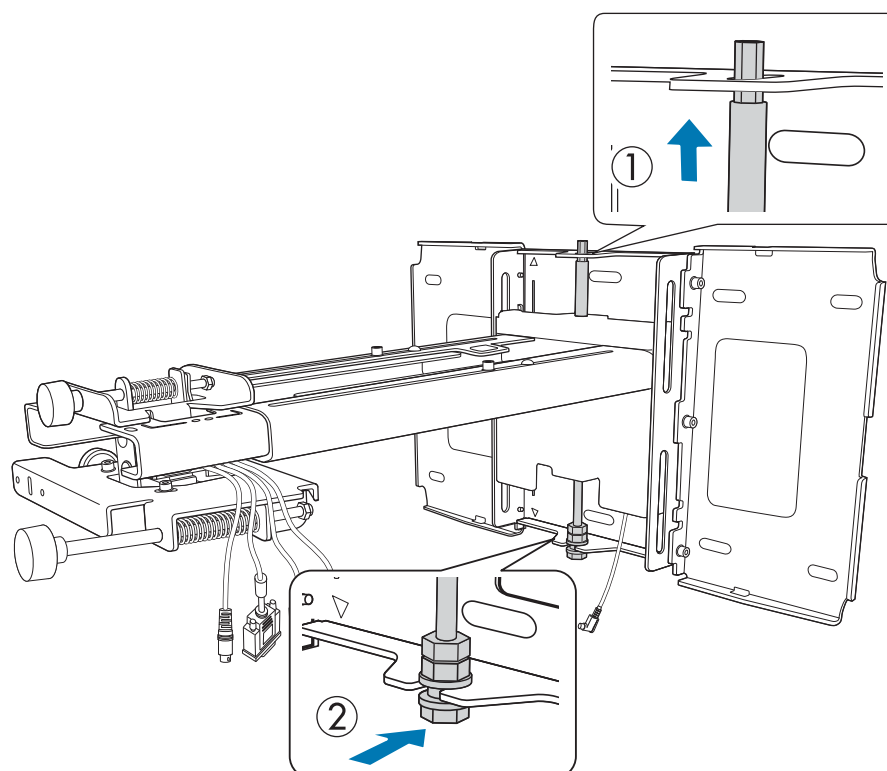
3 Secure the setting plate and the wall plate

Secure the supplied M6 screws (x3) with a commercially available No.3 cross-head screwdriver, and then lightly tighten the supplied M6 bolt (x1) with the spanner.
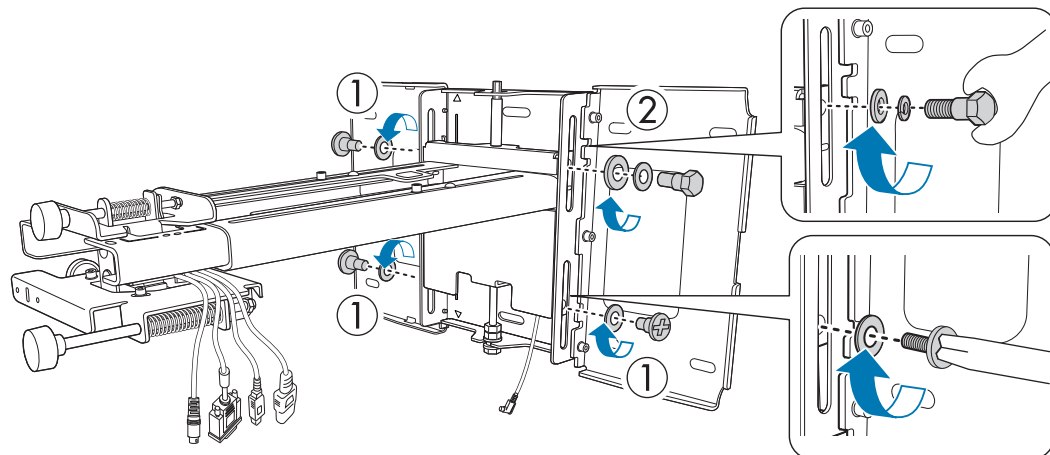
4 Adjust the vertical slide with the open-ended spanner, and align it with the standard position (C)

- Tightening the hexagonal axis at the top (A) raises the setting plate, and loosening the axis lowers it.
- Tightening the M8 bolt at the bottom (B) lowers the setting plate, and loosening the bolt raises it.
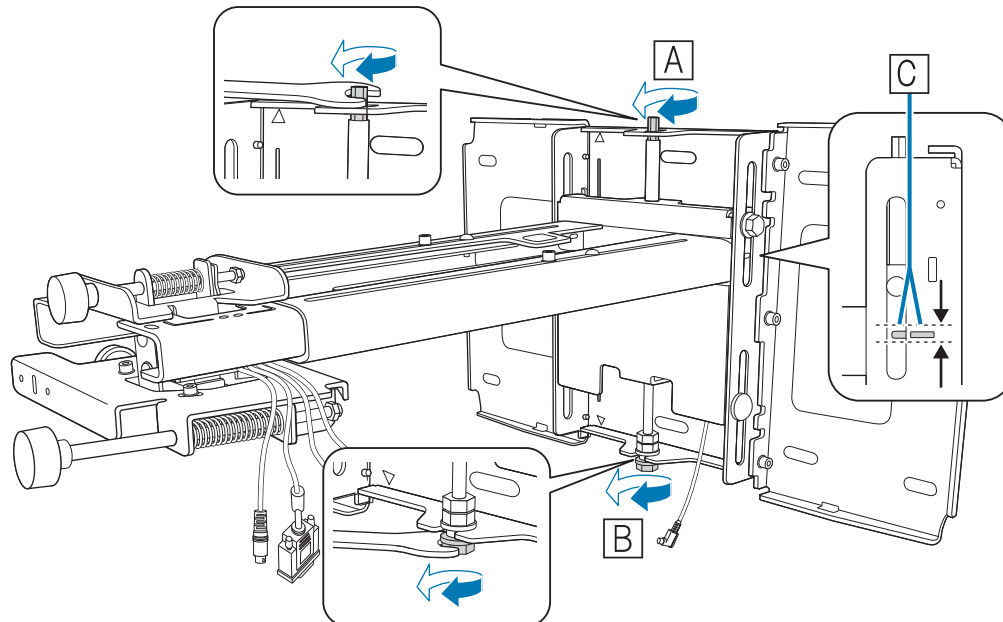
5 Tighten the M6 bolt (x1) to fix the setting plate in position
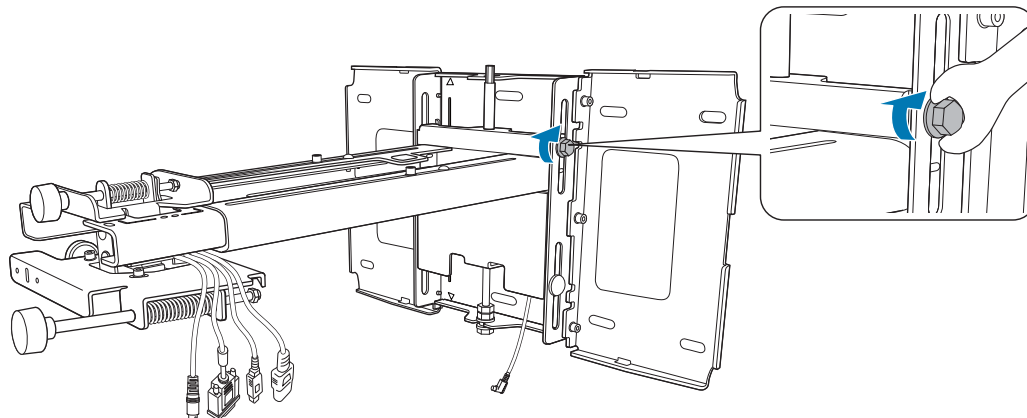
Securing the projector to the setting plate

1 Loosen the screws (x2) and remove the cable cover from the projector
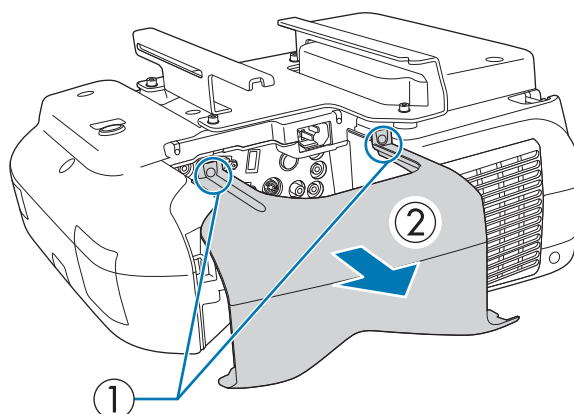
2 Insert the slide plate into the setting plate from the interface side of the projector
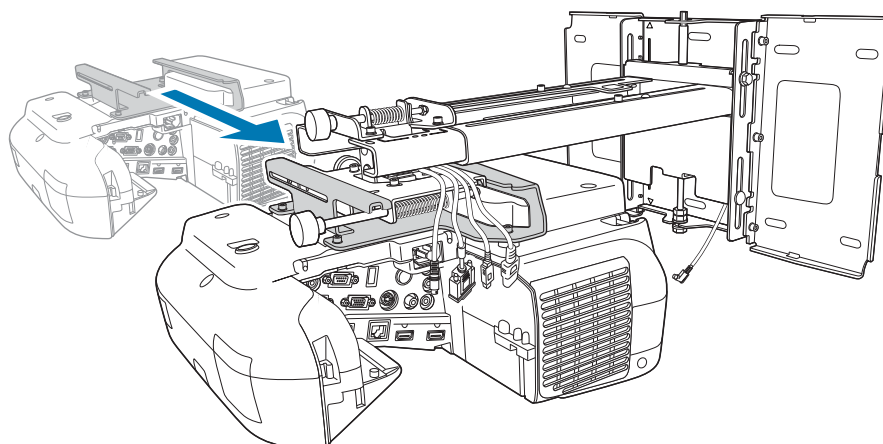
3 Align the 3-axis adjustment unit with the slide plate's standard position ($\boxed{A}$)

($\boxed{B}$) indicates the screw holes for the bolts.
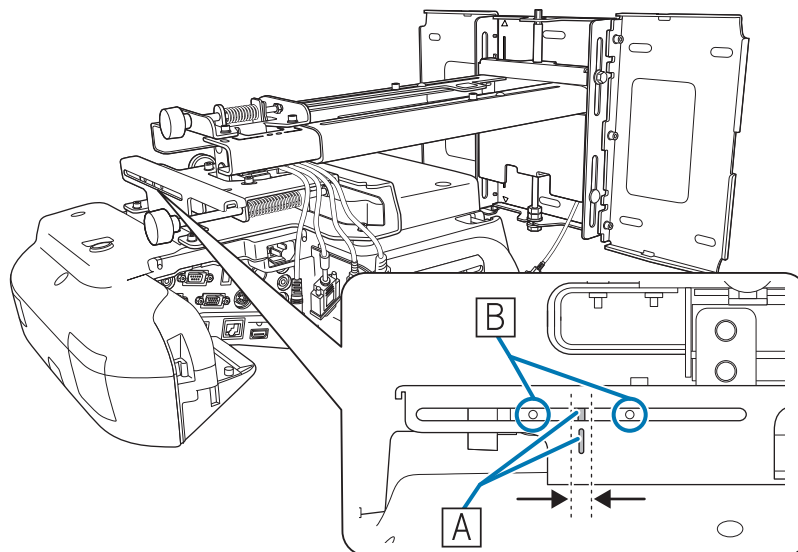
4 Tighten the supplied M4 bolts (x2)
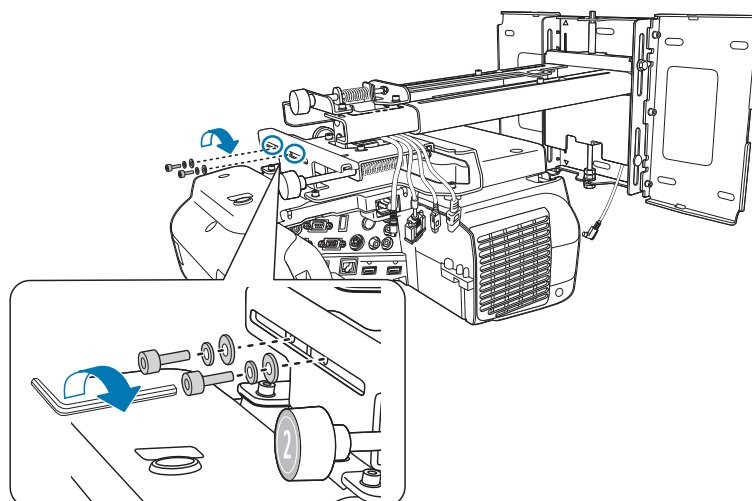
5 Connect the cables to the projector

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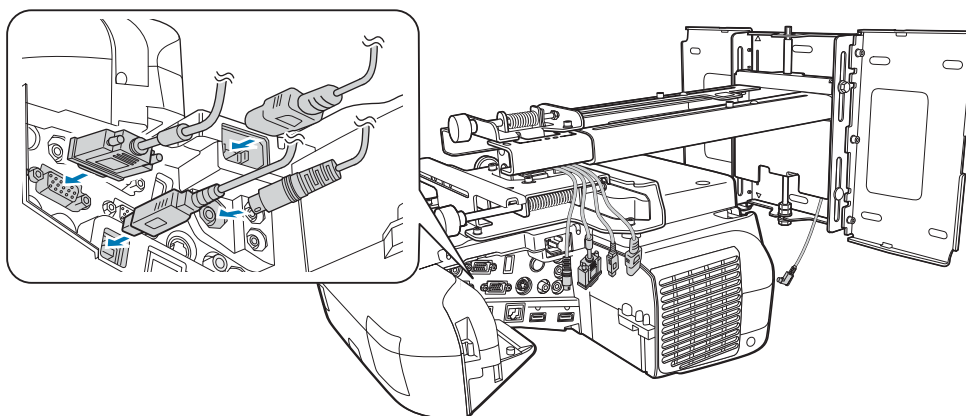
> ![notes icon]
> - Connect the power cord last.
> - When connecting to the Audio1, Audio2, and Computer1 ports, we recommend connecting cables to the ports in the following order: Audio1, Audio2, and then Computer1.

Adjusting the Projected Image

Follow the procedures below to adjust the projected image.

1 Adjusting the Projection Position (☛ p.34)

2 Fine-tuning the Focus (☛ p.39)

3 Calibrating the Pen (☛ p.41)

▉ Adjusting the Projection Position

- Do not make adjustments using the projector's Keystone function. Doing so may result in a reduction in image quality.
- When setting up multiple projectors using the batch setup function, perform this procedure before adjusting the projected image.

  ☛ "Batch Setup Function" p.66

1 Press the [⏻] button on the remote control or the control panel to turn on the projector
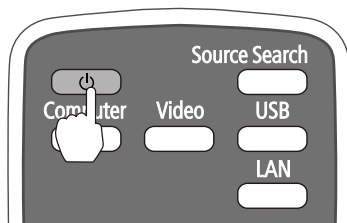
Using the Remote Control   Using the Control Panel
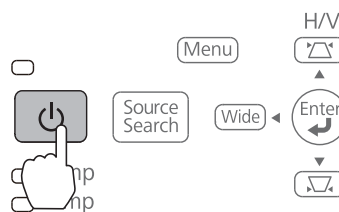
> ⚠️ **Caution**
>
> While projecting, do not put your face or hands near the air exhaust vent, and do not place objects that may become warped or damaged by heat near the vent. Hot air from the air exhaust vent could cause burns, warping, or accidents to occur.

2 Change the aspect ratio of the projected image (only when necessary)

Project images from a connected device, and then press the [Aspect] button on the remote control.

Each time you press the button, the aspect name is displayed on the screen and the aspect ratio changes.

Using the Remote Control
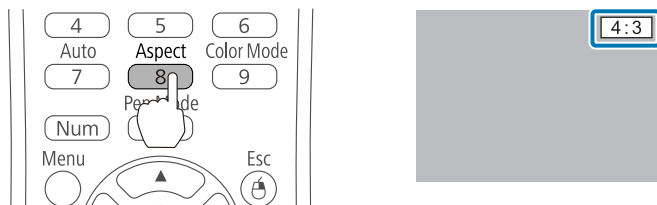
- For details on connecting to devices and projecting images, see the *Quick Start Guide*.
- The aspect ratio does not change when no images are being projected from the connected device.
- You can also change the aspect ratio from **Signal** - **Aspect** from the Configuration menu.

  ☞ Projector's *User's Guide* - Configuration menu

3 Press the following buttons to display the guidance screen

- Using the Remote Control

  Press the [Help], and then press [◁].
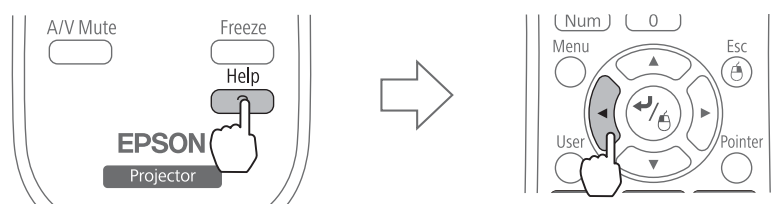
- Using the Control Panel

  Press the [Help], and then press the [Wide] button.
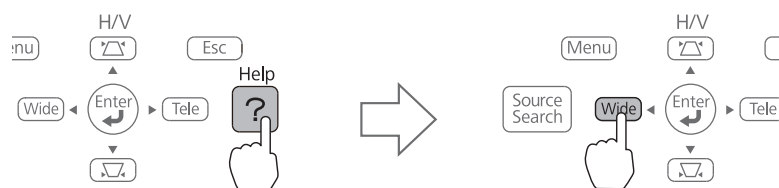
The guidance screen is displayed.

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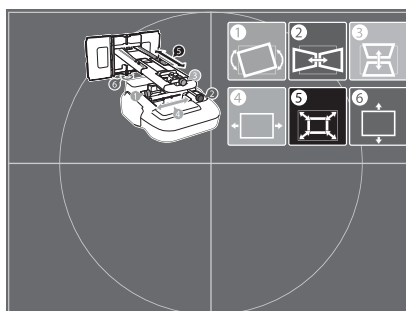
4 Open the air filter cover, and then adjust the focus using the focus lever
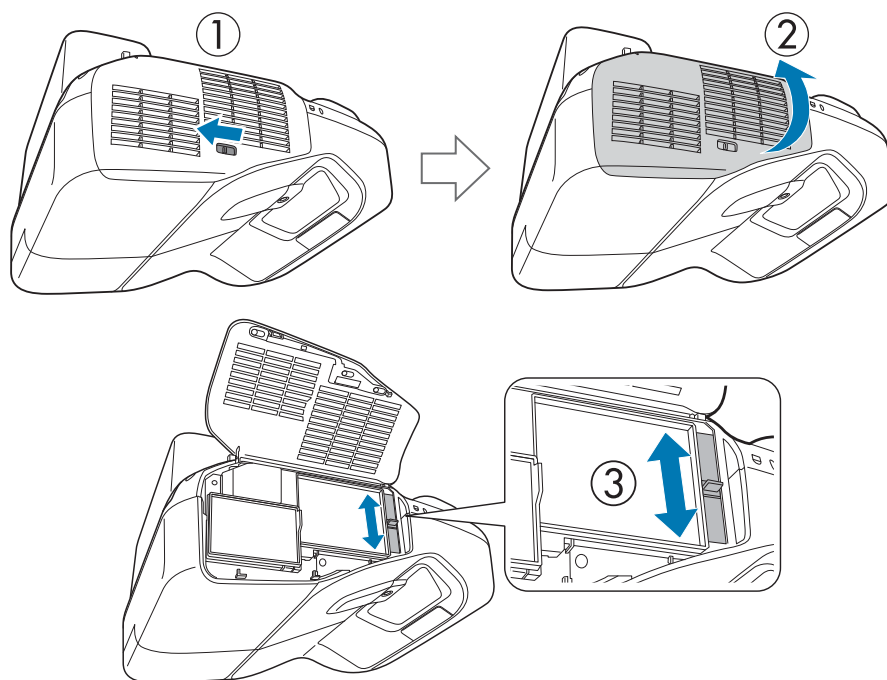
After you finish making adjustments, close the air filter cover.

5 Loosen the M4 screw (x1) with the hexagon wrench, and then adjust the horizontal roll with the adjustment dial

> Repeat steps 5 to 10 as necessary.
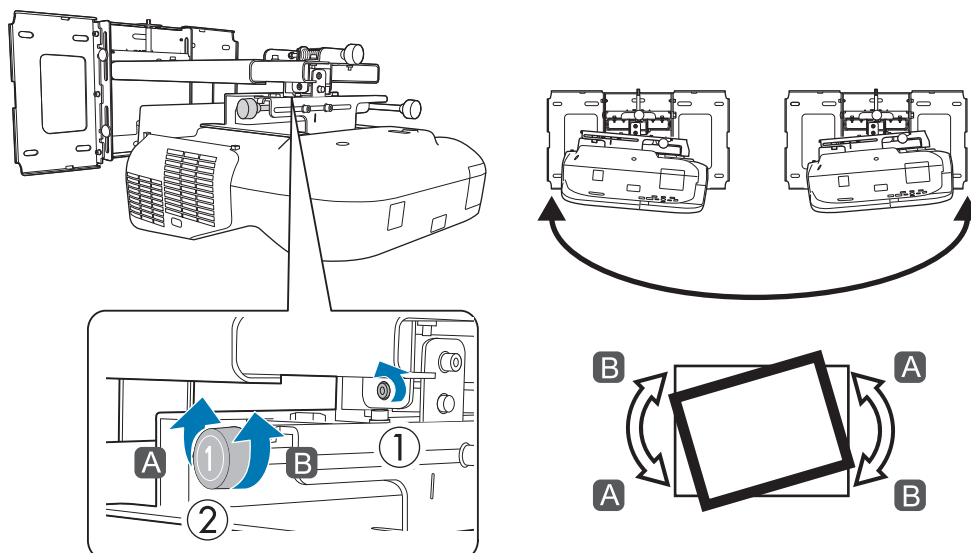
After you finish making adjustments, tighten the M4 screw that you loosened.

6 Loosen the M4 screws (x2) with the hexagon wrench, and then adjust the horizontal rotation with the adjustment dial
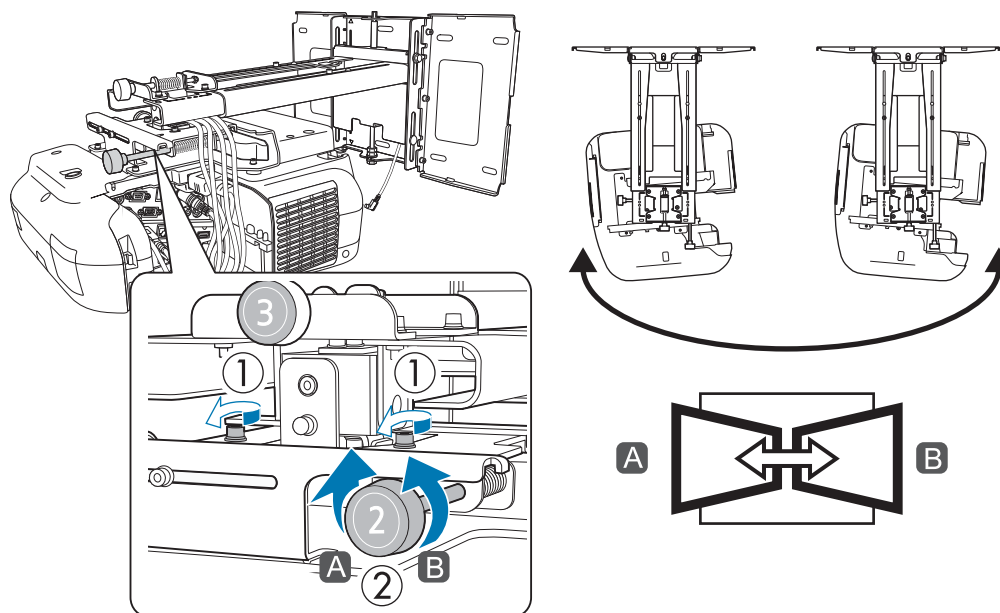
After you finish making adjustments, tighten the M4 screws that you loosened.

7 Loosen the M4 screw (x1) with the hexagon wrench, and then adjust the vertical tilt with the adjustment dial
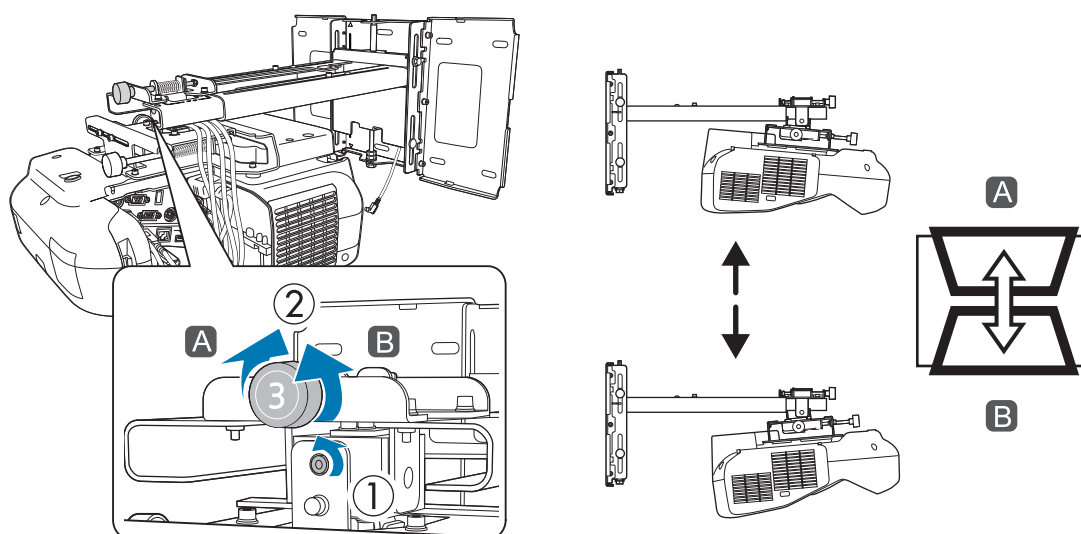
After you finish making adjustments, tighten the M4 screw that you loosened.

8 Loosen the M4 bolts (x2) with the hexagon wrench, and then adjust the horizontal slide
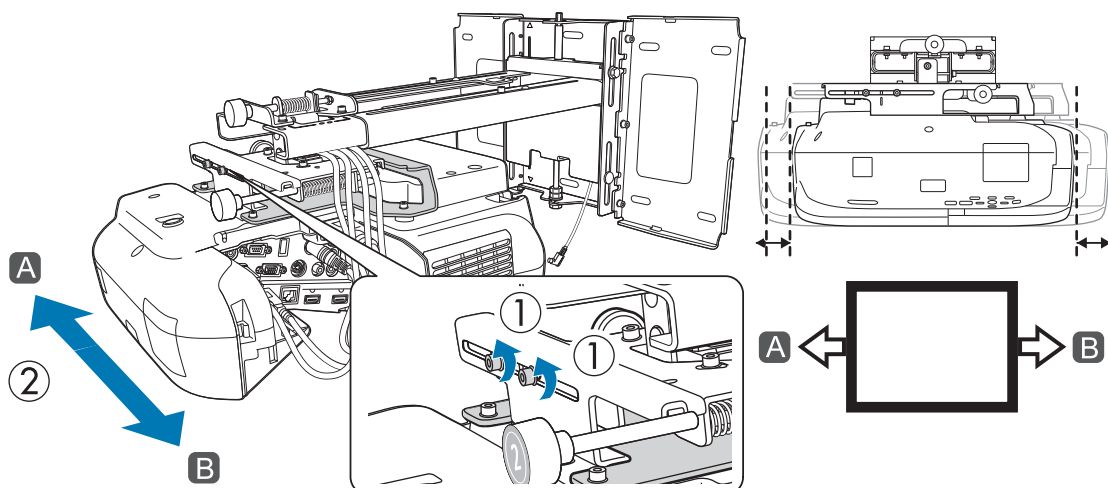
After you finish making adjustments, tighten the M4 bolts that you loosened.

9 Loosen the M4 bolts (x2) with the hexagon wrench, and then adjust the forward/backward slide
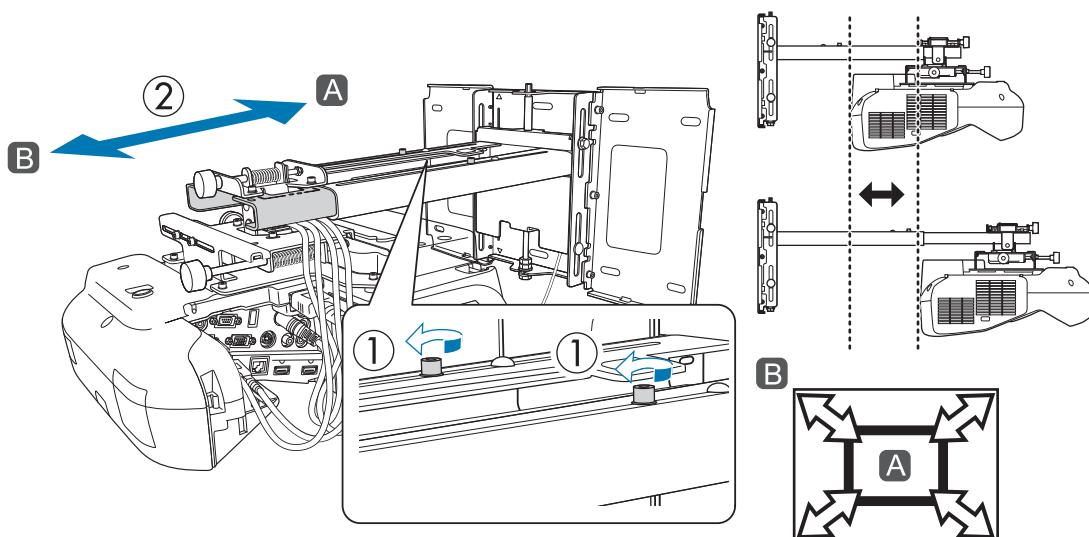
After you finish making adjustments, tighten the M4 bolts that you loosened.

10 Loosen the M6 bolt (x1) with the open-ended spanner, and then adjust the vertical slide

Adjust the vertical slide with the hexagonal axis at the top or the bottom.

- Tightening the hexagonal axis at the top raises the setting plate, and loosening the axis lowers it.
- Tightening the M8 bolt at the bottom lowers the setting plate, and loosening the bolt raises it.
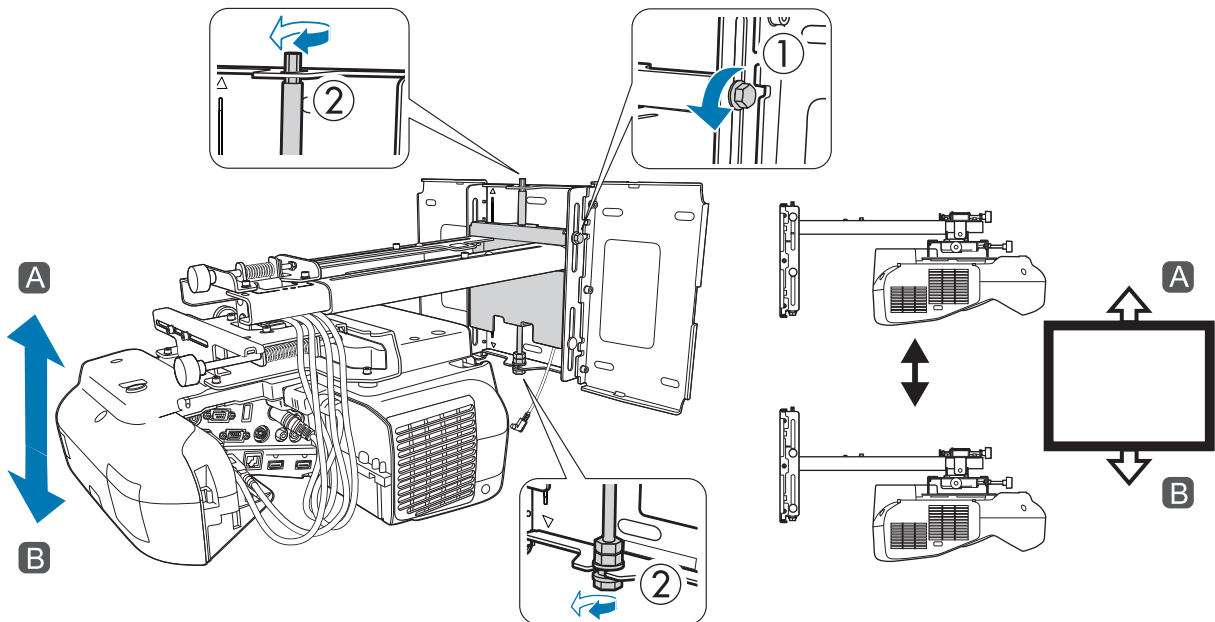
After you finish making adjustments, tighten the M6 bolt that you loosened.

11 Make sure that all of the bolts that you loosened in steps 5 to 10 are securely tightened

> ⚠ **Warning**
>
> Tighten all bolts and screws firmly. Otherwise, the product may fall and cause personal injury or property damage.

12 Press the [Esc] button on the remote control or the control panel to remove the guidance screen

▮ Fine-tuning the Focus

1 Turn on the projector, and then press the [Menu] button
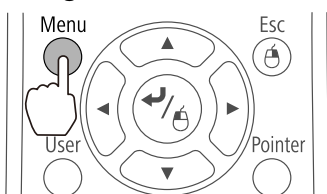
Using the Remote Control   Using the Control Panel

2 Select **Pattern** from **Settings**

Image		Return
Signal	Geometric Correction	H/V-Keystone
	Zoom	
Settings	Image Shift	
	Control Panel Lock	Full Lock
Extended	Pointer Shape	Pointer 1
	Volume	0
Network	Mic Input Level	0
	Remote Receiver	Front/Rear
ECO	User Button	Power Consum...
	Pattern	
Info	Reset	
Reset		
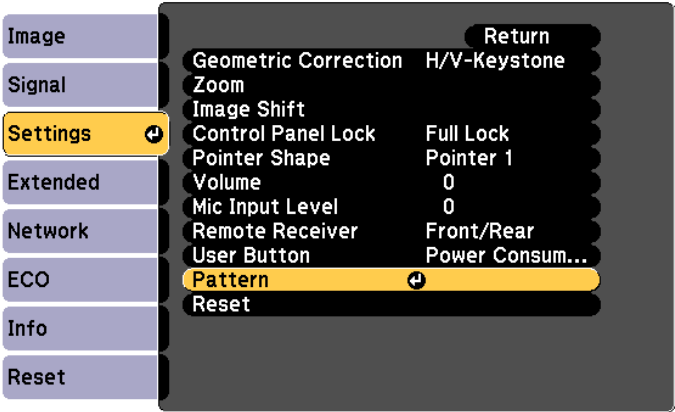
3 Select **Test Pattern**

When displaying on a 4:3 screen, set **Pattern Type** to **Pattern 5**, and then select **Pattern Display**.

Image	[Pattern]	Return
Signal	Pattern Display	
Settings	Pattern Type	Pattern 1
	User Pattern	
Extended	Test Pattern	
Network		
ECO		
Info		
Reset		

4 Adjust the focus to match the focus in the following figure (A)

Open the air filter cover, and then adjust the focus.

☛ "Adjusting the Projection Position"

When (A) is in focus, check the (B) areas. If any of the (B) areas are out of focus, adjust the focus until the (B) areas are uniform.
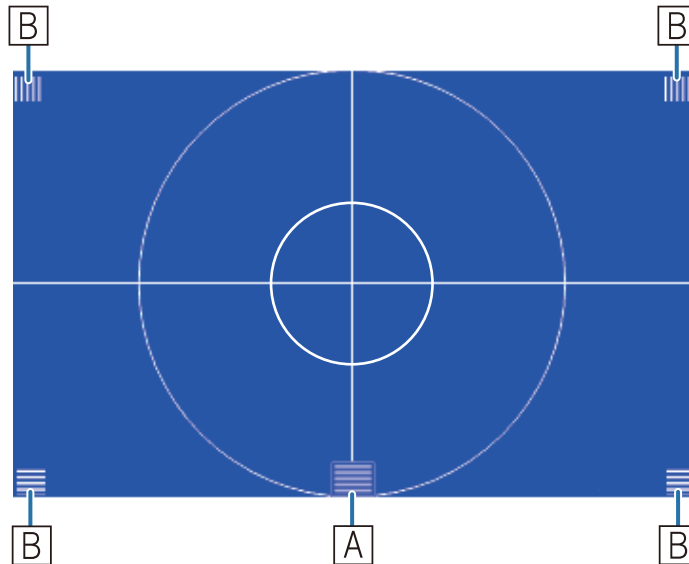
After you finish making adjustments, close the air filter cover.

5 Press the [Esc] button on the remote control or the control panel to remove the Test Pattern

Calibrating the pen

Check that adjusting the projected image is complete before you start calibrating the interactive pen.

☛ "Adjusting the Projected Image"

There are two methods available for calibrating the pen; **Auto Calibration** and **Manual Calibration**. When calibrating the pen for the first time after installing the projector, perform **Manual Calibration** for optimum calibration.

For the **Auto Calibration** method, see the projector's *User's Guide* (on the Document CD-ROM).

1 Turn on the projector, and then press the [Menu] button
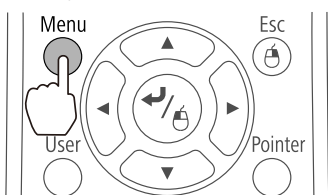
Using the Remote Control   Using the Control Panel

2 Select **Easy Interactive Function** from **Extended**

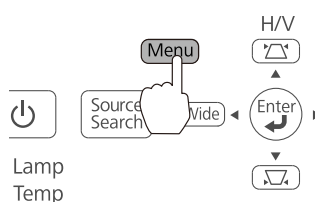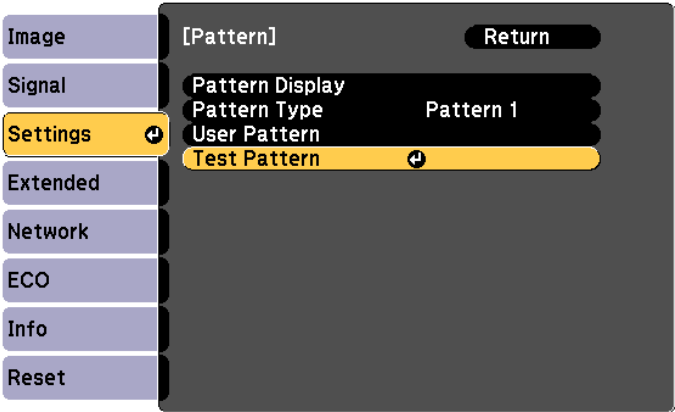| Image		Return
Signal	Easy Interactive Function⏎	
	Display	
	User's Logo	
Settings	Projection	Front/Upside...
	Operation	
Extended ⏎	A/V Settings	
	USB Type B	Easy Interacti...
Network	Language 🌐	English
	Reset	
ECO		
Info		
Reset		
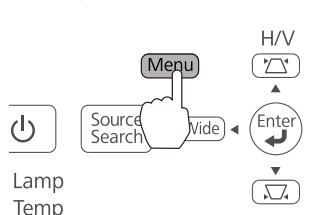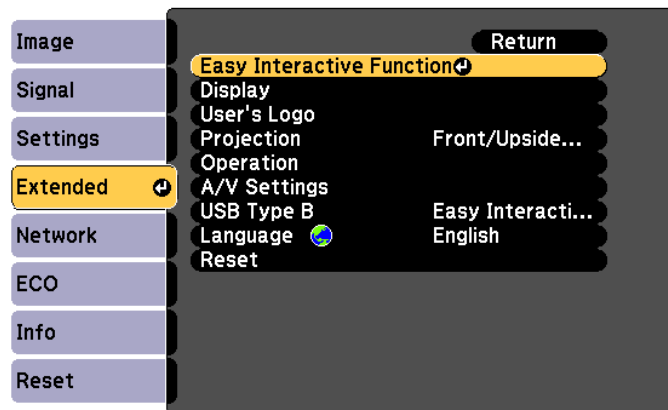
3 Select **Manual Calibration**

Image	[Easy Interactive Function] Return
Signal	[General]
	Auto Calibration
Settings	Manual Calibration ⏎
	Pen Mode PC Free Annot...
Extended ⏎	Hovering Off
	Advanced
Network	
	[PC Interactive]
ECO	Pen Operation Mode Mouse
	Enable Right Click Off
Info	Advanced
Reset	

4 Check that the screen is in focus, and then select **Yes**

[Manual Calibration]

Adjust the focus so that the characters are displayed clearly.

Touch each mark shown on the screen with the pen.
Continue until you have touched all marks up to the final mark shown on the lower right.
Calibration starts when preparations are complete. Do you want to continue?

Yes ⏎   No

A green dot is displayed at the top left of the projection screen.

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5 Touch the center of the dot with the pen tip button

The dot disappears and moves to the next position.
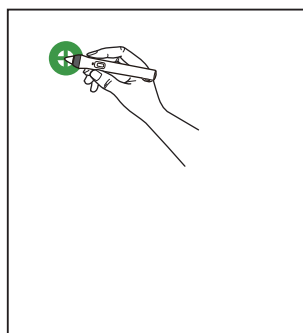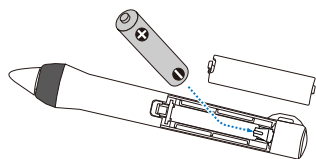
> Make sure you touch the center of the dot. Otherwise, it may not be positioned correctly.
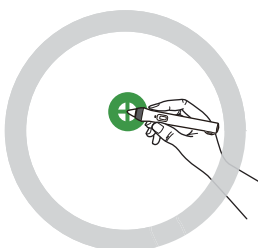
6 Repeat step 5 until all of the dots disappear

The dot appears at the top left first and then moves towards the bottom right.
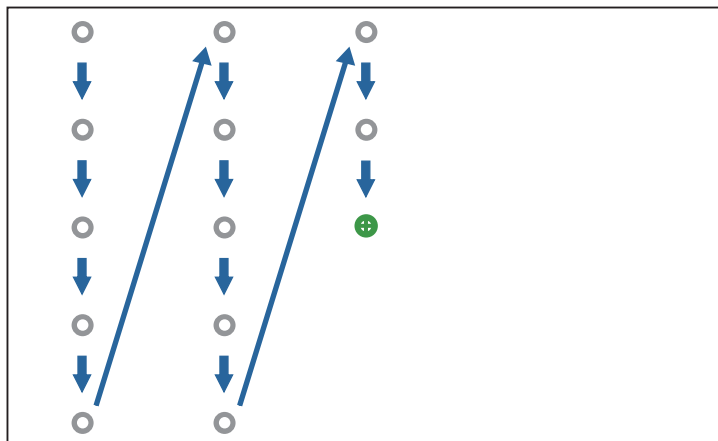
When all of the dots disappear, calibration is complete.

- Check that there are no obstacles between the interactive pen and the Easy Interactive Function receiver (A).
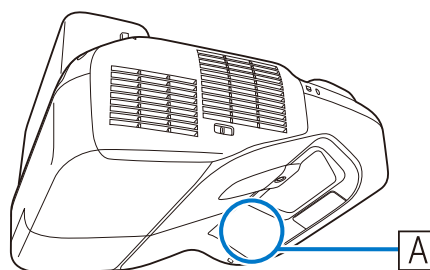
- If you touch the wrong position, press the [Esc] button on the remote control to return to the previous dot.
- To cancel calibration, hold down the [Esc] button for two seconds.

Attaching the Covers

1 Attach the wall plate covers
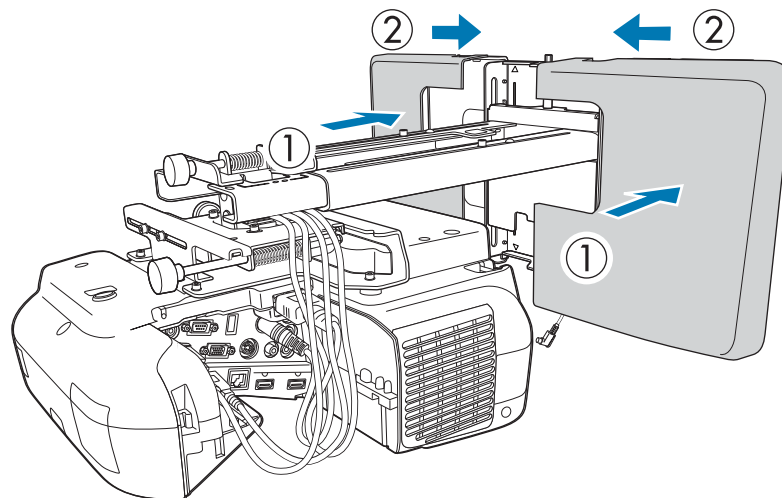
> Depending on the cable configurations, you may need to cut notches ($\boxed{A}$) in the wall plate covers to route the cables. Perform deburring on the cut sides to smooth off any sharp edges.
>
>
>
> Make sure you do not damage the cables when routing them through the cut holes.
>
> Also, make sure you operate the cutter safely.
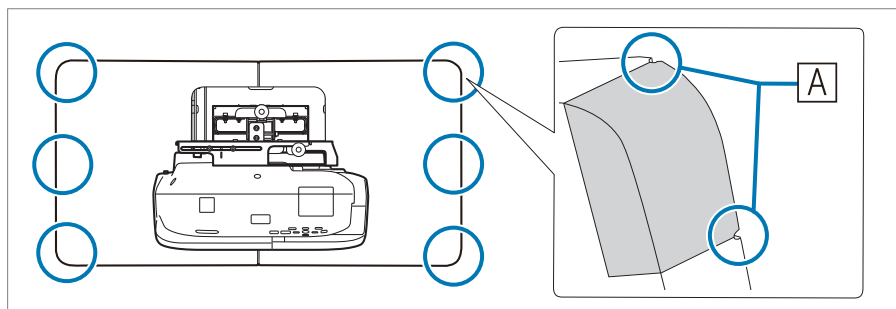
2 Place the end cap with the concave portion facing up
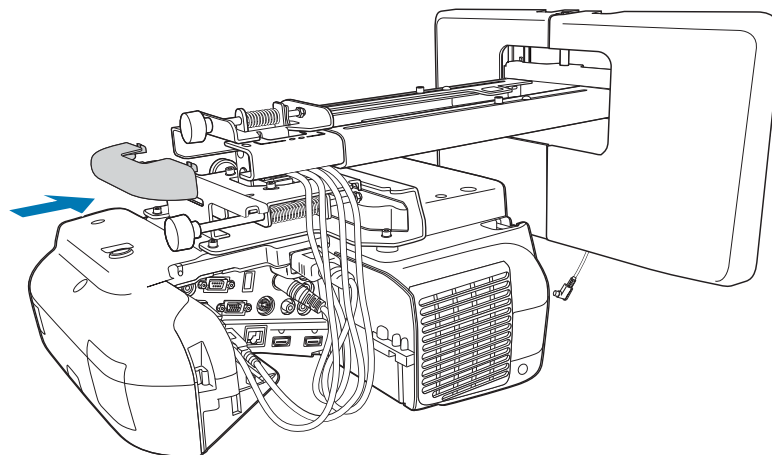
3 Attach the cable cover to the projector, and then secure it with the screws (x2)
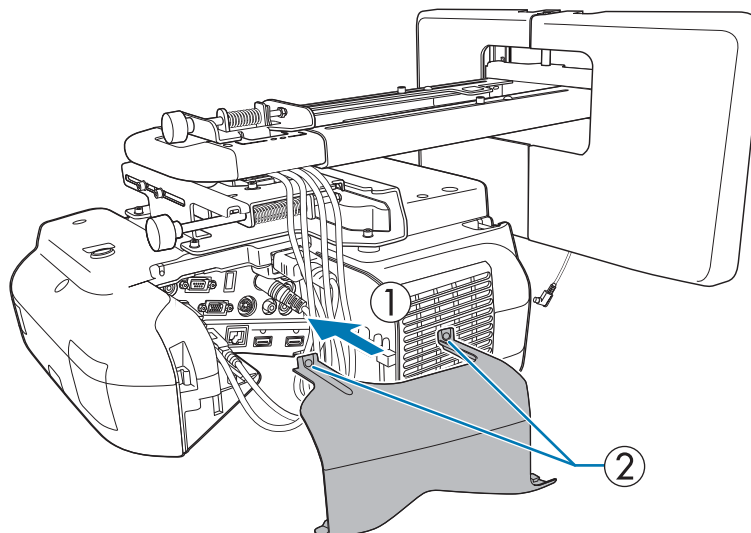
> ⚠ **Caution**
>
> Only a specialist should remove or reinstall the projector, including for maintenance and repairs. See the projector's *User's Guide* for instructions on maintenance and repairs.

> ⚠ **Warning**
>
> - Never loosen the bolts and nuts after installation. Confirm that the screws have not become loose on a regular basis. If you find any loose screws, tighten them firmly. Otherwise, the product may fall and cause personal injury or property damage.
> - Do not hang on this product or hang a heavy object on this product. If this product falls, it could cause death or personal injury.

⭕ Installing the Touch Unit

Check that the following procedures have been completed before installing the Touch Unit.

- Installing the Projector (☞ p.23)
- Adjusting the Projected Image (☞ p.34)
- Calibrating the Interactive Pen (☞ p.41)

About installation

- There are magnets built into the back of the Touch Unit. Normally, the Touch Unit should be installed by attaching the magnets to the screen.
- If the magnets cannot be attached to a screen, use commercially available M4 screws (x3).
- Attach the Touch Unit to the same level surface as the screen surface.
- Attach the Touch Unit to a flat, smooth, unwarped surface. If there is unevenness on the screen surface of more than 5 mm, the position of your fingers is not detected, and touch operations may not be performed correctly.

Installation Procedure

Install the Touch Unit, and then connect to the projector.

> ⚠️ **Caution**
>
> Only connect the Touch Unit to the EB-595Wi. Do not connect it to any other projectors or devices.

1 Turn on the projector, and then press the [Menu] button

Using the Remote Control   Using the Control Panel
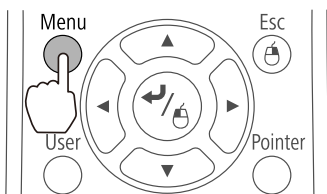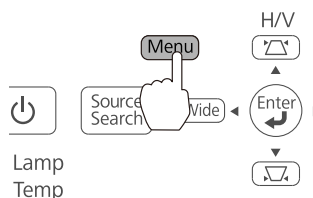
2 Select **Easy Interactive Function** from **Extended**

3 Select **Touch Unit Setup**

Image	[Easy Interactive Function] Return
Signal	[General]
Settings	Auto Calibration
	Manual Calibration
Extended	Touch Unit Setup
	Pen Mode PC Free Annot...
Network	Hovering Off
	Advanced
ECO	[PC Interactive]
Info	Pen Operation Mode Mouse
	Enable Right Click Off
Reset	Advanced
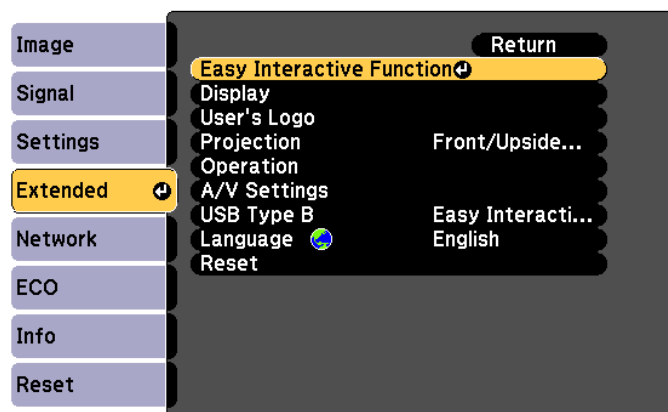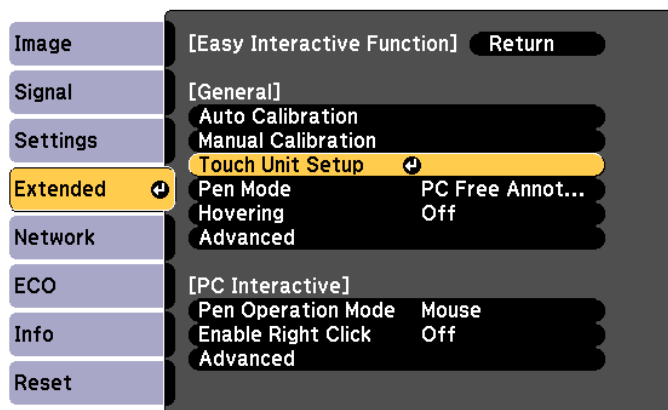
4 Select **Installation Pattern**

Image	[General] Return
Signal	[Touch Unit Setup]
Settings	Installation Pattern
	Power Off
Extended	Angle Adjustment
	Touch Calibration
Network	
ECO	
Info	
Reset	
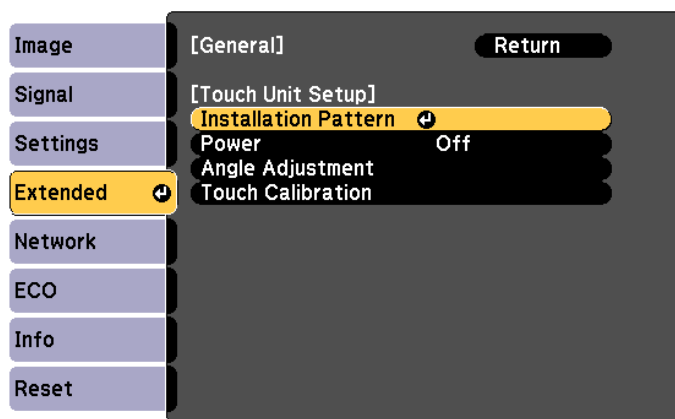
The installation pattern is displayed on the projected image.

[Installation Pattern]
Notes on Installing the Touch Unit:
- Make sure there is at least 25 mm between the Touch Unit and the top of the projection area.
- Align the center of the Touch Unit with the center of the Installation Pattern.
- After installing the Touch Unit, set "Power" to "On" from the menu, and then perform Angle Adjustment.

[Esc] /[ ]:Return   [Menu]:Exit

5 Loosen the screw at the bottom of the dial cover using a commercially available No.2 cross-head screwdriver

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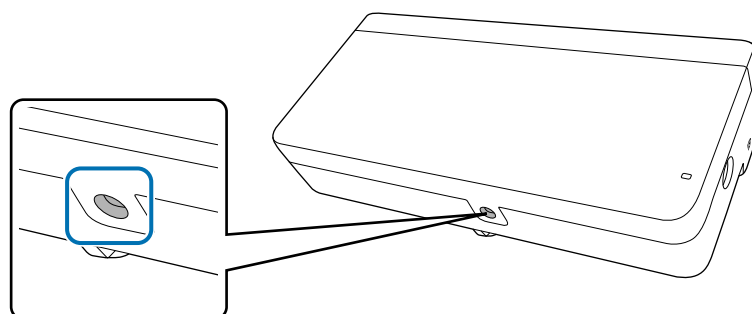
6 Slide the dial cover down to remove it
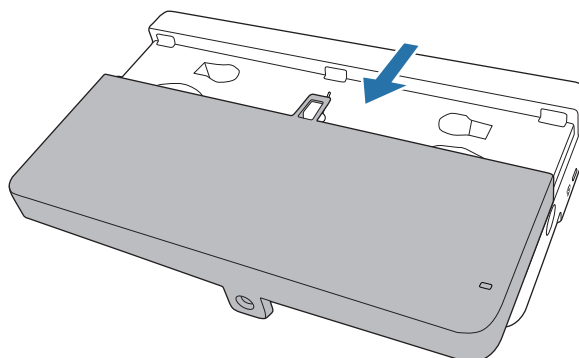
7 Remove the markers (x2) from the Touch Unit
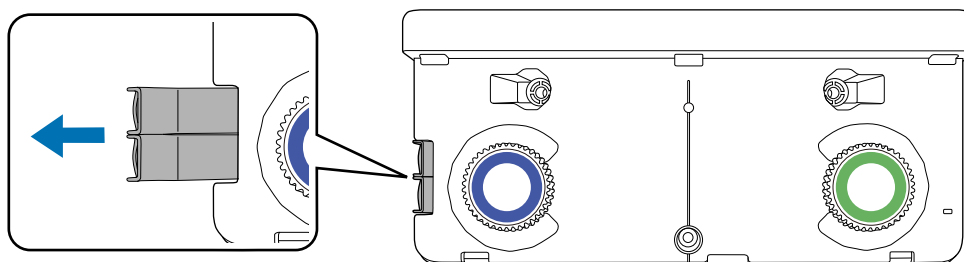
Use the removed markers to perform angle adjustment for laser diffusion after installing the Touch Unit.

8 Determine the installation position for the Touch Unit

We recommend marking the following installation positions to make installation easier.

(①): Center line of installation pattern. Align with the center line of the Touch Unit (③).

(②): 25 mm from the top edge of the projected image. Align with the bottom edge of the Touch Unit.

[Unit: mm]
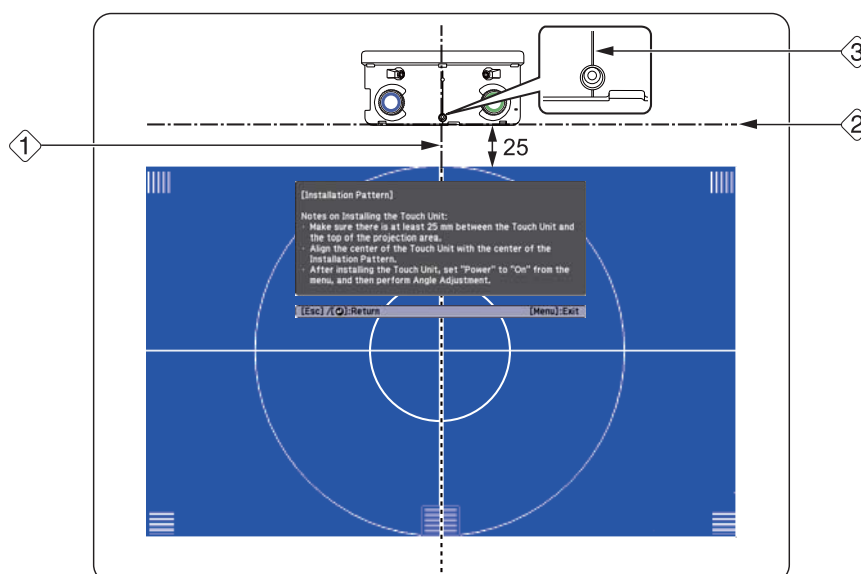
9 Secure the Touch Unit

- Magnetic screens: Place the back of the Touch Unit on the screen surface, and then secure.

> ### ⚠ Caution
>
> When installing the Touch Unit on a magnetic surface, be careful not to trap your fingers or any other part of your body between the magnets and the installation surface. Powerful magnets are used which can cause injury if you trap your fingers.
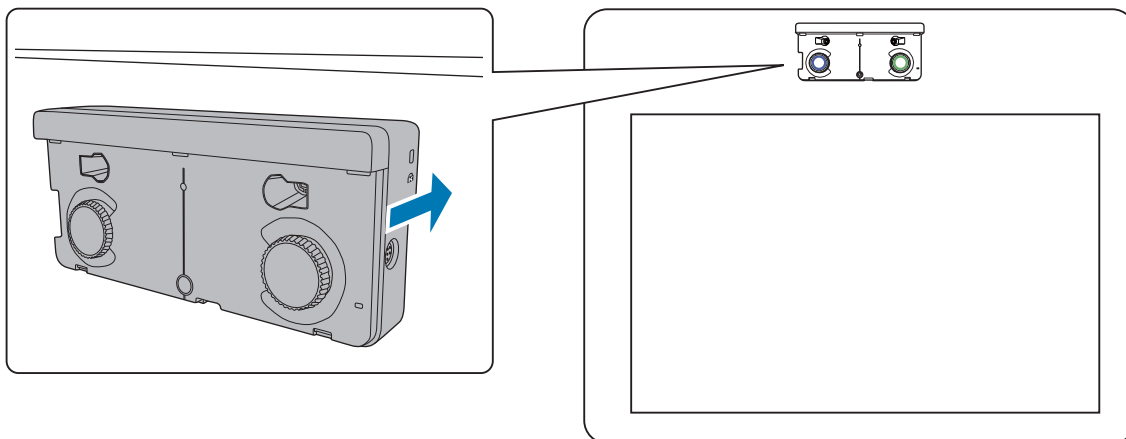
- Non-magnetic screens: Attach spacers and secure with M4 screws (x3).

[Unit: mm]
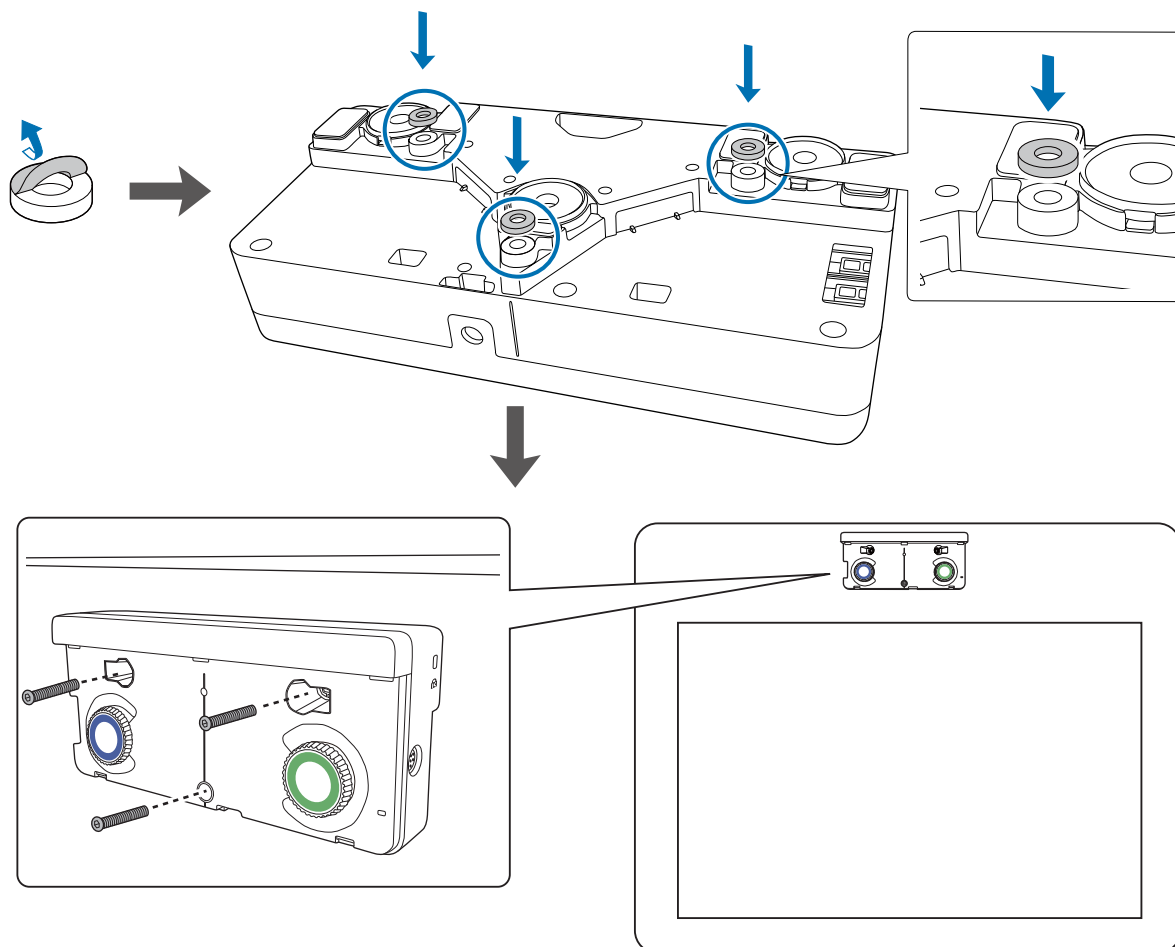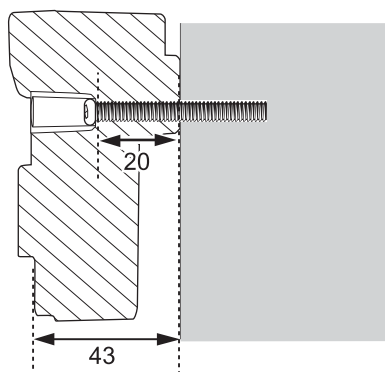
Screw hole cross-section

10 Connect the Touch Unit connection cable that is connected to the projector to the TCH port on the Touch Unit
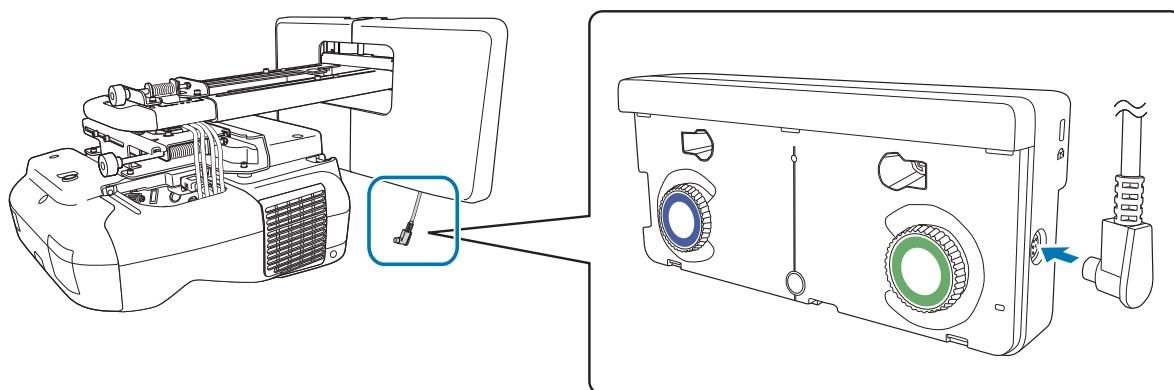
Angle Adjustment

Adjust the angle of the laser light coming from the Touch Unit so that the Touch Unit can detect the position of your fingers.
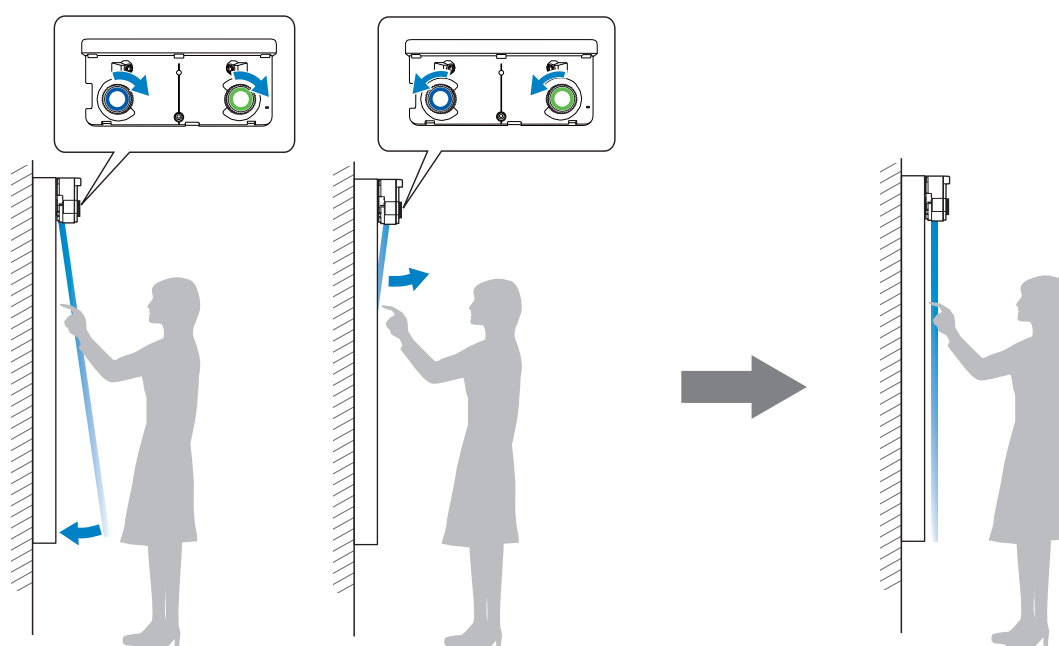
> 📓 Before adjusting the angle, make sure that interactive pen calibration is complete.
> ☞ "Calibrating the pen" p.41

1 Select **Easy Interactive Function** in **Extended** from the projector's Configuration menu

Image			Return
	Easy Interactive Function ↵		
Signal	Display		
	User's Logo		
Settings	Projection	Front/Upside...	
	Operation		
Extended ↵	A/V Settings		
	USB Type B	Easy Interacti...	
Network	Language 🌐	English	
	Reset		
ECO			
Info			
Reset			

2 Select **Touch Unit Setup**

Image	[Easy Interactive Function] Return
Signal	[General]
	Auto Calibration
Settings	Manual Calibration
	Touch Unit Setup ↵
Extended ↵	Pen Mode PC Free Annot...
	Hovering Off
Network	Advanced
ECO	[PC Interactive]
	Pen Operation Mode Mouse
Info	Enable Right Click Off
	Advanced
Reset	

3 Set **Power** to **On**

Image	[General]	Return
Signal	[Touch Unit Setup]	
Settings	Installation Pattern	
Extended	Power	On
	Angle Adjustment	
Network	Touch Calibration	
ECO		
Info		
Reset		

The Touch Unit power turns on and the indicator is lit blue.
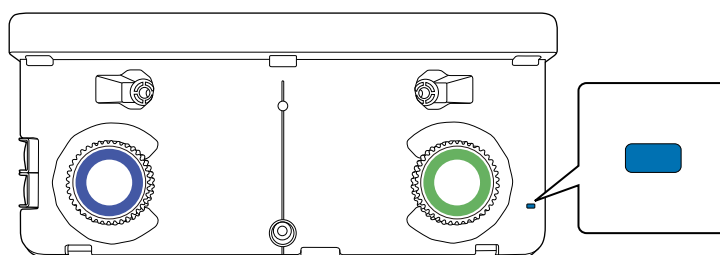
> ⚠ **Warning**
>
> Do not look into the projector's projection window or the Touch Unit's laser diffusion ports. This could cause damage to eyesight due to the powerful laser light emitted.

> 📓 When **Power** is set to **On**, the next time the projector is turned on, the Touch Unit automatically turns on.

4 Select **Angle Adjustment**

Image	[General] Return
Signal	[Touch Unit Setup]
Settings	Installation Pattern
	Power On
Extended	Angle Adjustment
	Touch Calibration
Network	
ECO	
Info	
Reset	

The following screen is displayed.

[Angle Adjustment] 1/4 Preparation

Step:
· Before the adjustment, turn the Adjustment Dials counterclockwise until the dial stops.

Attention:
· For the first time of Angle Adjustment, execute "Installation Pattern", and align the center of Touch Unit with the center.
· Make sure "Auto Calibration" or "Manual Calibration" has been done.

Begin Angle Adjustment when these steps are completed. Proceed to the next step.

[○]:Next   [Menu]:Exit

5 Turn the adjustment dials on the Touch Unit counterclockwise until you hear a clicking sound
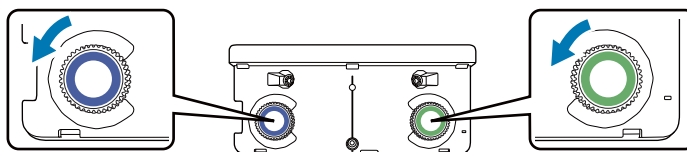
When you hear a clicking sound coming from the adjustment dial, stop turning, and then press the [↵] button on the remote control. The following screen is displayed.

6 Attach the two markers that you removed from the Touch Unit to the marker positions ( ) ( ) on the projection screen
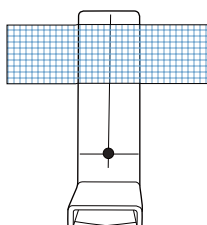
Match the positions so that the crosses (B) for the markers overlap with the points (A) for the ( ) ( ).
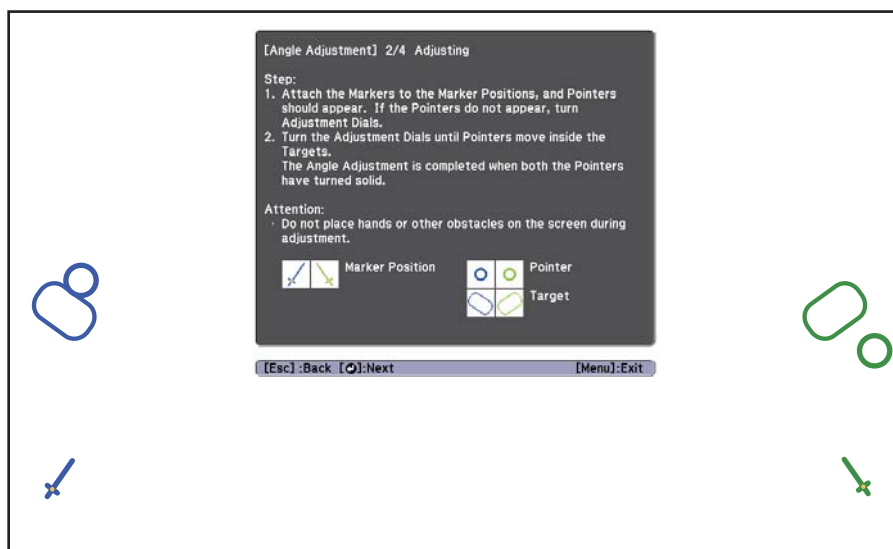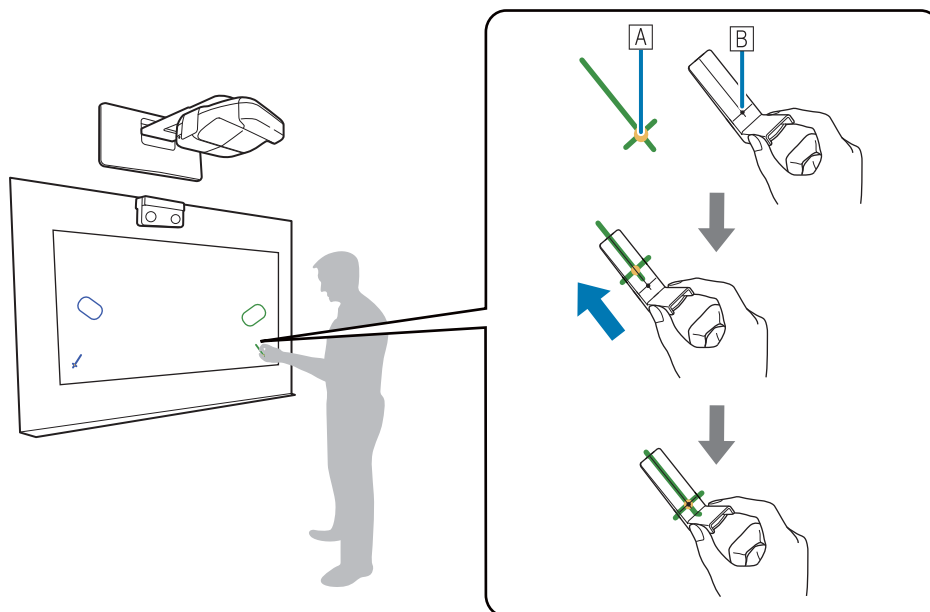

When pointers ( ) ( ) with the same color as the marker positions are displayed on the left and right of the projection screen, attach the markers to the projection screen.

- Magnetic screens: Place the bottom of the markers onto the screen.
- Non-magnetic screens: Use the supplied tape to secure the markers. Attach the tape so that the either end of marker does not come loose off the screen.

Correct	Incorrect

> Do not place anything other than the markers near the projected image during angle adjustment. If other objects are on the projected image, angle adjustment may not be performed correctly.

7 Turn the adjustment dials on the Touch Unit to move the pointers (⬤) (⬤) so that they overlap with the target (⬭) (⬭) of the same color on either side

When you turn the adjustment dial clockwise, the pointer moves diagonally up towards the center of the projected image.
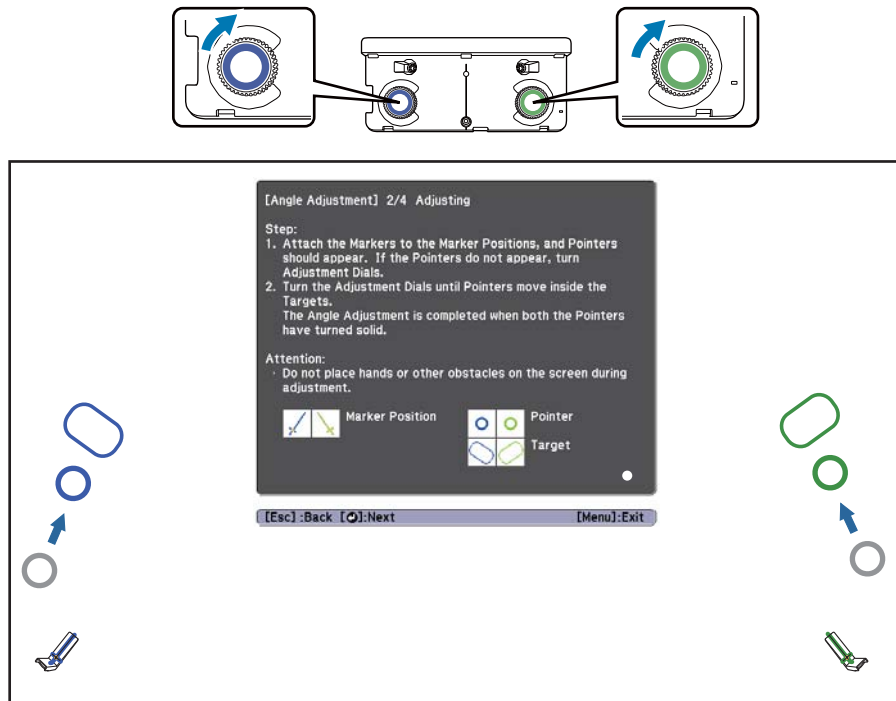
When you turn the adjustment dial counterclockwise, the pointer moves diagonally down away from the center of the projected image.
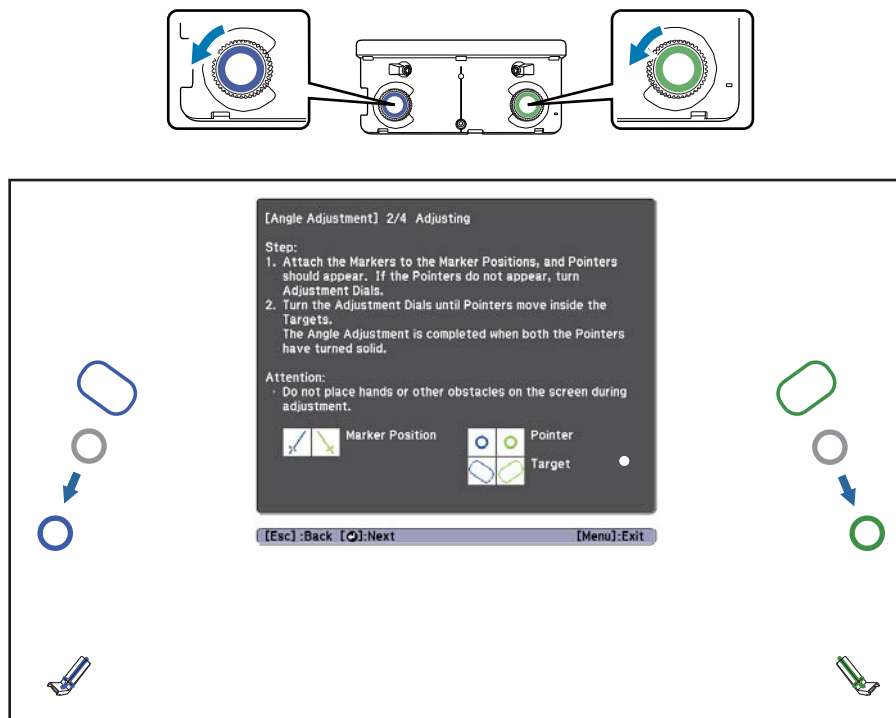
When the pointers overlap in the correct position, the colors become solid (🔵) (🟢).

> • If you hear a clicking sound from the dial, the pointer does not move any further.
> • When turning the dials, make sure shadows from your arm or body do not overlap with the markers.

8 When the pointers on the left and right become solid colors (🔵) (🟢), press the [↵] button on the remote control

The following screen is displayed.
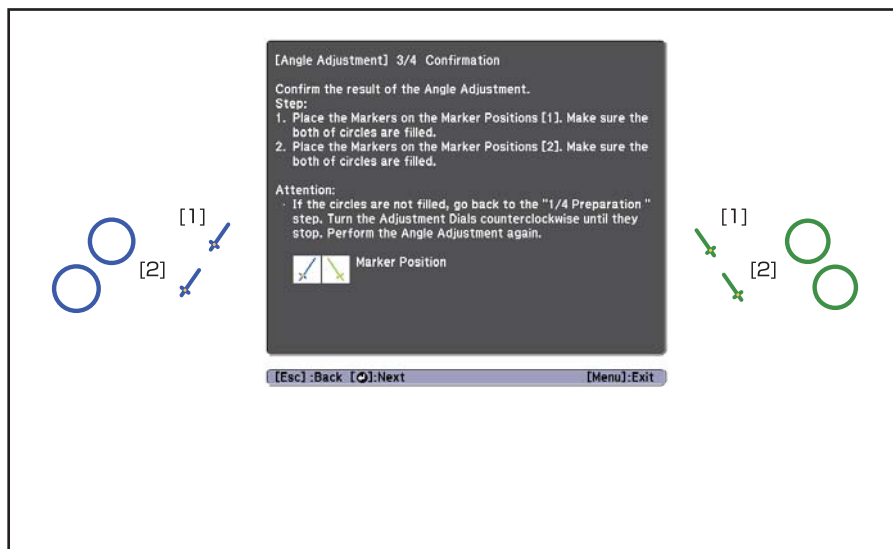
9 Place the markers at the top marker positions [1] (✕) (✕)

When angle adjustment is performed correctly, the upper pointers become solid colors (🔵) (🟢).
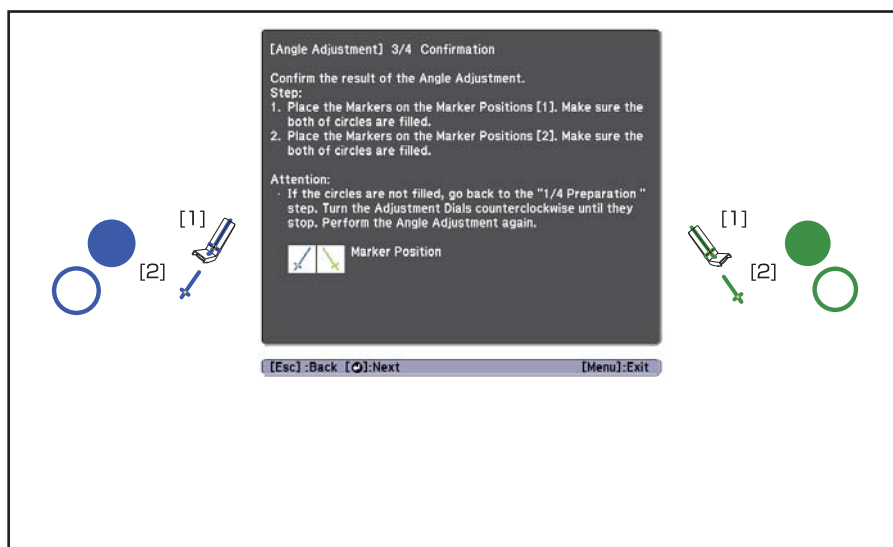
If the upper pointers do not become solid colors (🔵) (🟢), start again from step 4.

10 Place the markers at the bottom marker positions [2] (✏) (✏)

When angle adjustment is performed correctly, the bottom pointers become solid colors (🔵) (🟢).


```
[Angle Adjustment] 3/4  Confirmation

Confirm the result of the Angle Adjustment.
Step:
1. Place the Markers on the Marker Positions [1]. Make sure the
   both of circles are filled.
2. Place the Markers on the Marker Positions [2]. Make sure the
   both of circles are filled.

Attention:
· If the circles are not filled, go back to the "1/4 Preparation "
  step. Turn the Adjustment Dials counterclockwise until they
  stop. Perform the Angle Adjustment again.

[✏/✏]  Marker Position

[Esc] :Back  [⏎]:Next                    [Menu]:Exit
```

If the bottom pointers do not become solid colors (🔵) (🟢), start again from step 4.

11 When you have finished checking, remove the markers, and then press the [⏎] button on the remote control

The following screen is displayed.


```
[Angle Adjustment] 4/4  Confirmation

Step:
1. Remove the Markers.
2. Erase the dots around the image by tracing them with your
   finger.

Attention:
· Dots will be displayed again when you press ▲ or ▼ button.
· You cannot draw or have computer interactivity in the area
  where the dots remains. Refer to the Installation Guide of
  the projector for more details.
· For better touch accuracy, execute "Touch Calibration" in
  the menu.

[Esc] :Back  [◆]: Redisplay  [⏎]:Exit        [Menu]:Exit
```

12 Trace the dots (🟢) with your finger

When angle adjustment is performed correctly, the dots you have traced disappear.
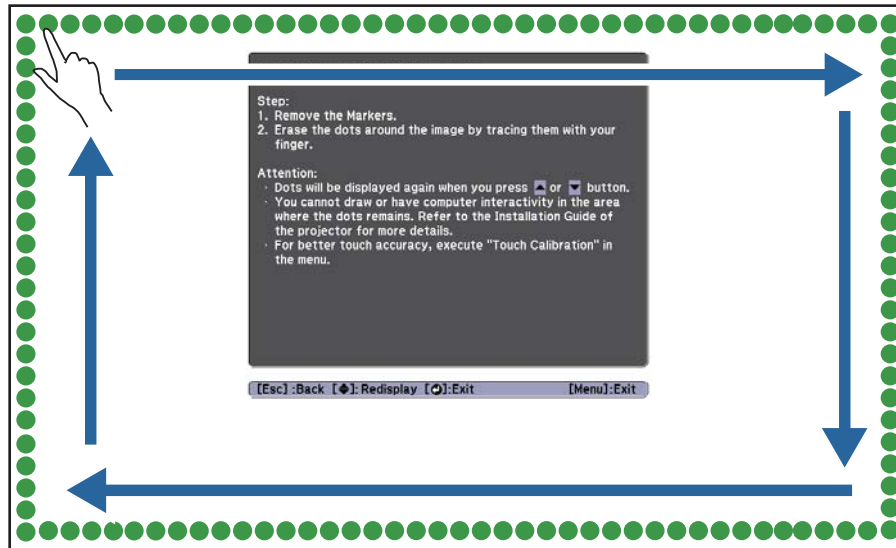
> 📓 Touch operations may not perform correctly if you are wearing artificial nails or nail polish, or if your fingers are obstructed by bandages and so on.

When all of the dots have disappeared, press the [↵] button on the remote control, and then go to step 14.

If some dots remain as shown in the following figure, check the following points.
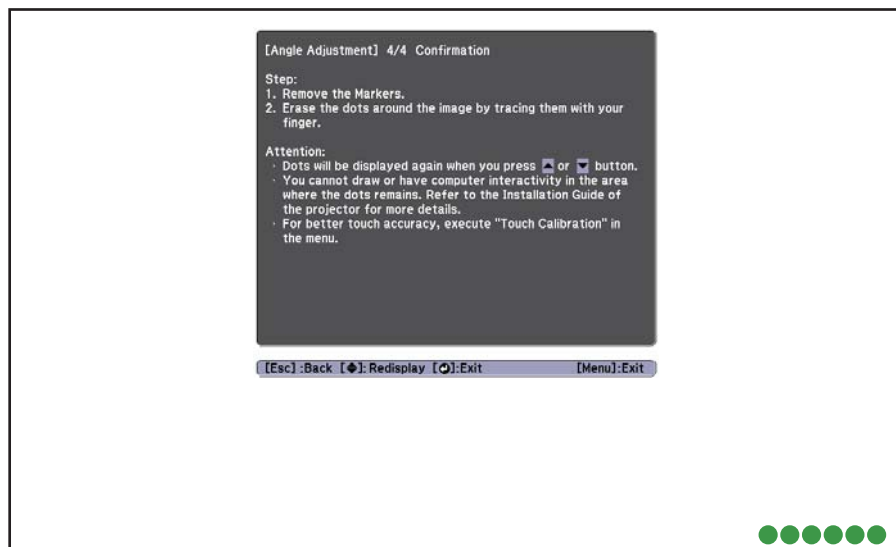
- Remove any obstacles that are around the projection screen. After removing any obstacles, press the [⌃] or [⌄] button on the remote control, and then perform step 12 again.
- If the dots still remain after removing obstacles, turn the adjustment dials about a quarter turn counterclockwise. Next, press the [⌃] or [⌄] button on the remote control, and then perform step 12 again.
- Go to step 13 if dots still remain even after performing this step, or there are obstacles that cannot be removed such as whiteboard trays or frames.

13 Stick the infrared deflectors supplied so that the laser is not reflected by the obstacle (only if there is an obstacle near the projection screen that cannot be moved)

Stick the deflectors between the dots and the obstacle. Adjust the number of deflectors according to the number of dots.

Remove the tape from the back of the infrared deflectors, and stick them on the screen.
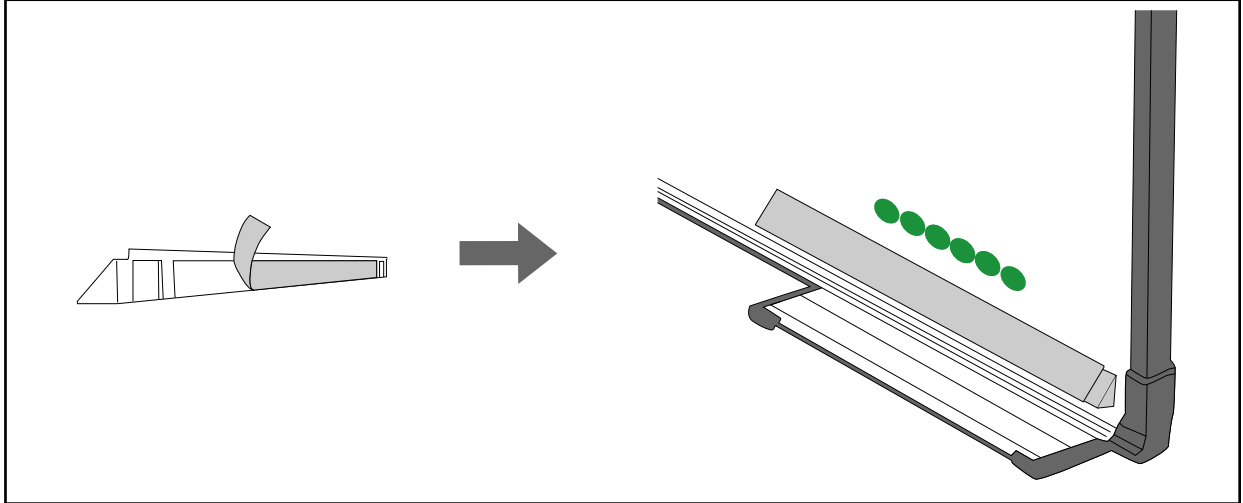
> • Do not remove an infrared deflector once it has been stuck in place. This can weaken the adhesive strength of the tape.
> • Do not stick tape or place anything on the infrared deflectors. The infrared deflector will not function correctly.

After placing the infrared deflectors, press the [ ] or [ ] button on the remote control, and then perform step 12 again.

If the dots do not disappear even after attaching the infrared deflectors, turn the adjustment dials about a quarter turn counterclockwise. Next, press the [ ] or [ ] button on the remote control, and then perform step 12 again.

If the dots do not disappear even after performing the above procedures, contact your local dealer from the *Epson Projector Contact List* provided on the Document CD-ROM.

14 Store the markers in the Touch Unit
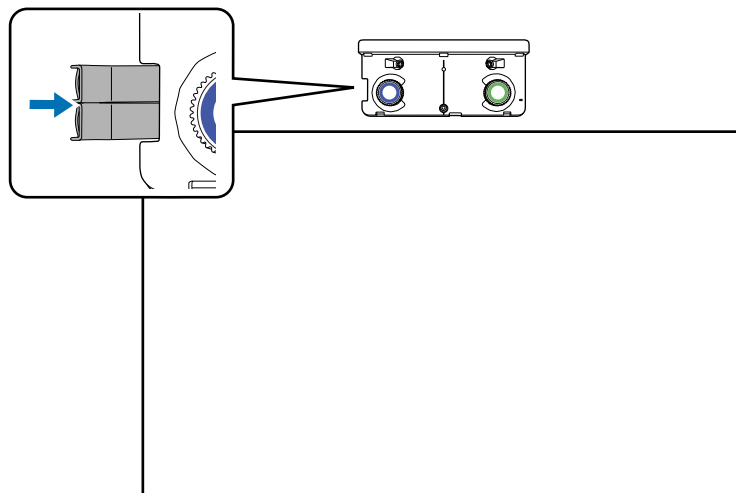
15 Attach the labels at the tabs on either side of the Touch Unit

Match the center of the labels with the tabs on the Touch Unit.
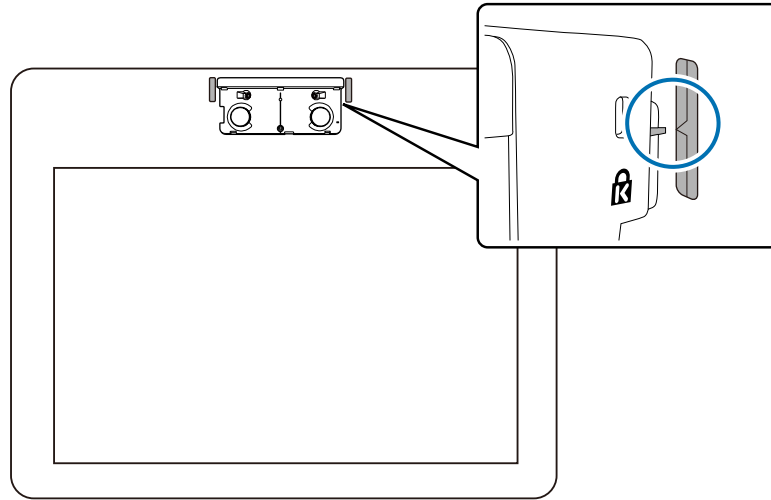
> If the Touch Unit moves out of position, use the labels to reinstall it at the correct position.

16 Attach the dial cover, and then tighten the screw at the bottom of the dial cover
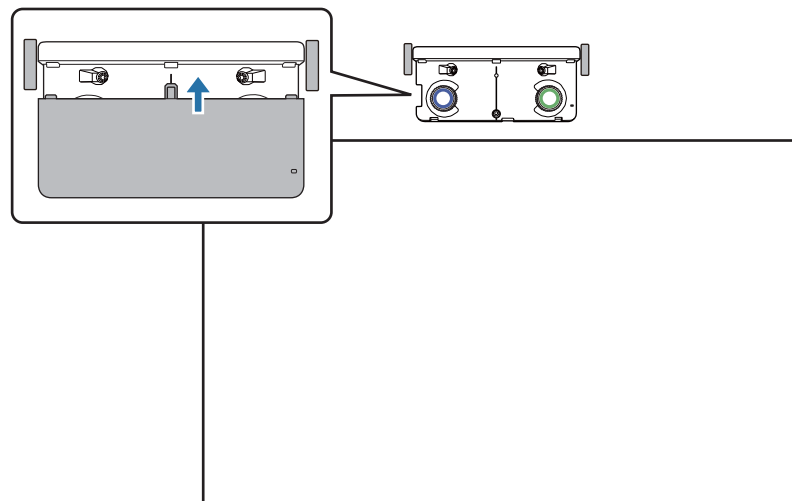
Touch Calibration

Perform touch calibration so that the projector can recognize touch operations precisely.

1 Press the projector's [Menu] button

Using the Remote Control   Using the Control Panel
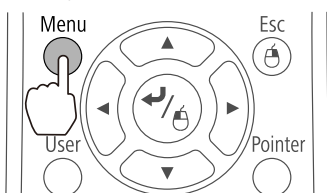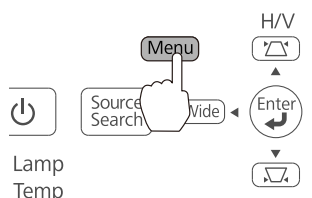
2 Select **Easy Interactive Function** from **Extended**

Image		Return
Signal	Easy Interactive Function⏎	
	Display	
Settings	User's Logo	
	Projection	Front/Upside...
Extended ⏎	Operation	
	A/V Settings	
Network	USB Type B	Easy Interacti...
	Language 🌐	English
ECO	Reset	
Info		
Reset		

3 Select **Touch Unit Setup**

Image	[Easy Interactive Function] Return
Signal	[General]
	Auto Calibration
Settings	Manual Calibration
	Touch Unit Setup ⏎
Extended ⏎	Pen Mode PC Free Annot...
	Hovering Off
Network	Advanced
ECO	[PC Interactive]
	Pen Operation Mode Mouse
Info	Enable Right Click Off
	Advanced
Reset	
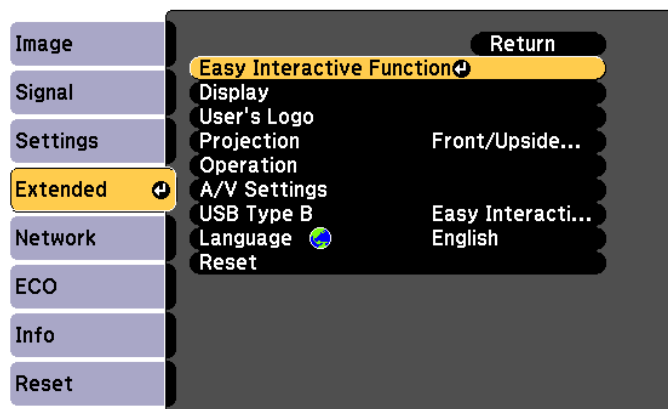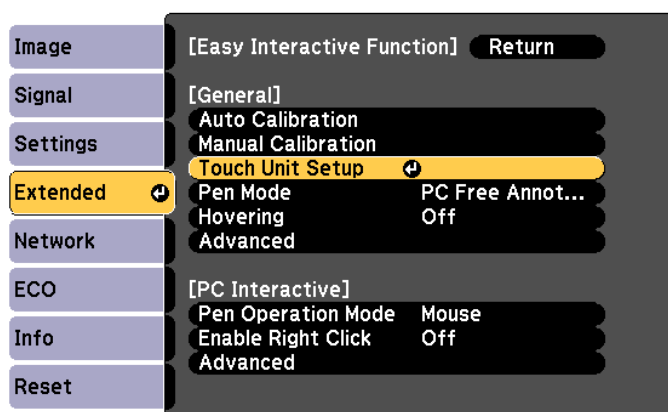
4 Select **Touch Calibration**

Image	[General] Return
Signal	[Touch Unit Setup]
	Installation Pattern
Settings	Power On
	Angle Adjustment
Extended ⏎	Touch Calibration ⏎
Network	
ECO	
Info	
Reset	
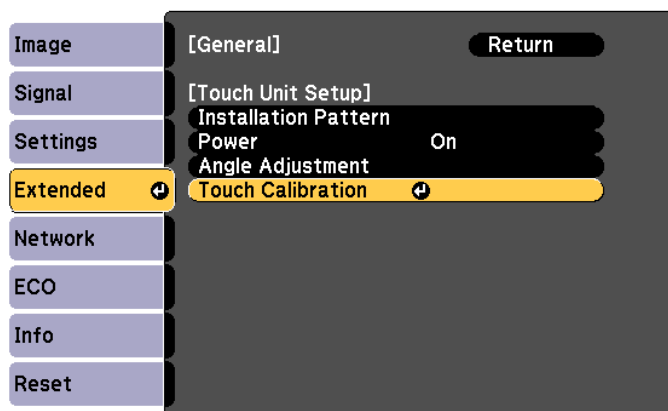
The focus adjustment message is displayed.

5 Check that the screen is in focus, and then select **Yes**

[Touch Calibration]

Adjust the focus so that the characters are displayed clearly.

Caution: Do not place your hand or any other obstacles on the screen during adjustment.
· Touch each mark shown on the screen with your finger.
· Keep touching the marks until they move.
· Continue until you have touched all of the marks up to the final mark at the bottom-right.

Calibration starts when preparations are complete.
Do you want to continue?

Yes   No

A dot is displayed at the top left of the projection screen.

6 Touch the center of the dot with your finger

When the dot disappears and moves to the next position, remove your finger.
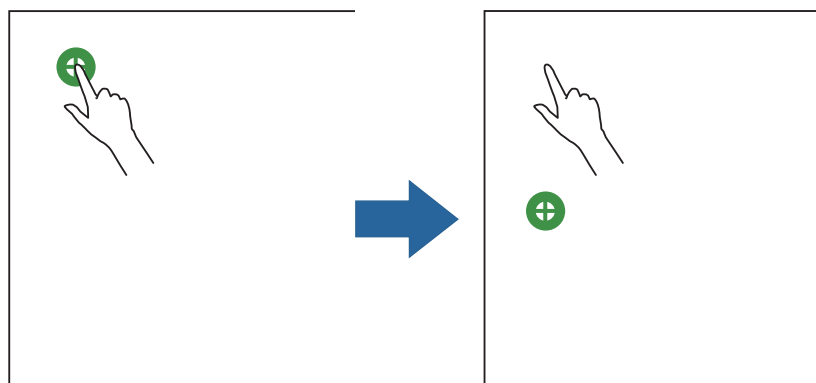
- Make sure you touch the center of the dot. Otherwise, it may not be positioned correctly.
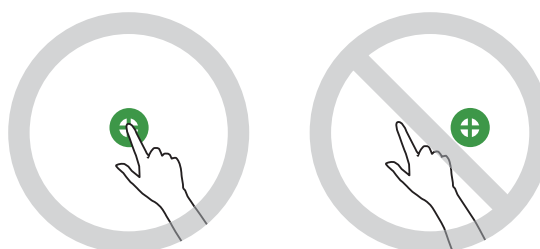
- Do not touch with anything else except the tip of your finger.

64

7 Repeat step 6 until all of the dots disappear
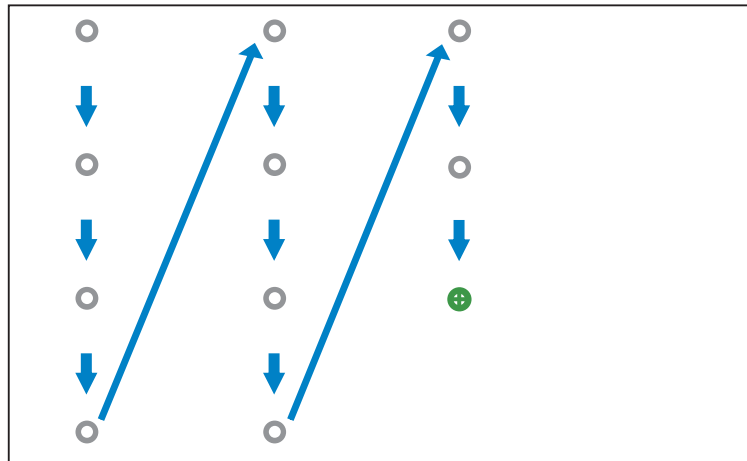
When all of the dots disappear, touch calibration is complete.

> • If you touch the wrong position, press the [Esc] button on the remote control or control panel. This returns you to the previous dot. You cannot go back by two dots.
> • To cancel touch calibration, hold down the [Esc] button for two seconds.
> • It may take several seconds after all of the dots have disappeared until touch calibration is complete.

⦿ Batch Setup Function

Once the Configuration menu content has been set for one projector, you can use it to perform batch setup for multiple projectors (batch setup function). The batch setup function is only for projectors with the same model number.

Use one of the following methods.

- Setup using a USB flash drive.
- Setup by connecting the computer and projector with a USB cable.
- Setup using EasyMP Network Updater.

This guide explains the USB flash drive and the USB cable methods.

> - The following content is not reflected by the batch setup function.
>   - Network menu settings (except for the Mail menu and the Others menu)
>   - Lamp Hours and Status from the Info menu
> - Perform batch setup before adjusting the projected image. Adjustment values for the projected image, such as Keystone, are reflected by the batch setup function. If batch setup is performed after adjusting the projected image, the adjustments you made may change.
> - By using the batch setup function, the registered User's Logo is set for the other projectors. Do not register confidential information and so on as the User's Logo.

> ⚠ **Caution**
>
> Performing batch setup is the customers responsibility. If batch setup fails due to a power failure, communication error, and so on, the customer is responsible for any repair costs incurred.

Setup Using a USB flash drive

This section explains how to perform batch setup using a USB flash drive.

> - Use a FAT format USB flash drive.
> - The batch setup function cannot be used by USB flash drives that incorporate security functions. Use a USB flash drive that does not incorporate security functions.
> - The batch setup function cannot be used by USB card readers or USB hard disks.

▦ Saving settings to the USB flash drive

1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

**2** Connect the USB flash drive to the projector's USB-A port

> - Connect the USB flash drive directly to the projector. If the USB flash drive is connected to the projector through a USB hub, the settings may not be saved correctly.
> - Connect an empty USB flash drive. If the USB flash drive contains data other than the batch setup file, the settings may not be saved correctly.
> - If you have saved a batch setup file from another projector to the USB flash drive, delete the file or change the file name. The batch setup function cannot overwrite a batch setup file.
> - The file name for the batch setup file is PJCONFDATA.bin. If you need to change the file name, add text after PJCONFDATA. If you change the PJCONFDATA section of the file name, the projector may not be able to recognize the file correctly.
> - You can only use single-byte characters for the file name.

3 While holding down the [Esc] button on the remote control or the control panel, connect the power cord to the projector

The status indicator and the power indicator turn blue, and the lamp indicator and the temperature indicator turn orange.

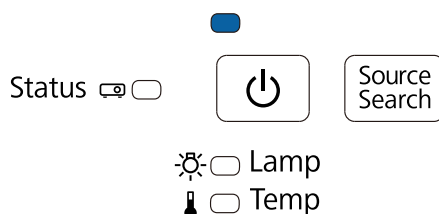When all of the projector's indicators turn on, release the [Esc] button.

Status ⏻ Source Search

Lamp
Temp
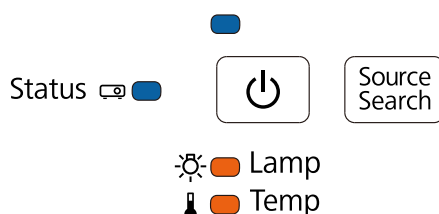
When all of the indicators start flashing, the batch setup file is being written.

> ⚠ **Caution**
>
> - Do not disconnect the power cord from the projector while the file is being written. If the power cord is disconnected, the projector may not start correctly.
> - Do not disconnect the USB flash drive from the projector while the file is being written. If the USB flash drive is disconnected, the projector may not start correctly.

When writing completes normally, the projector turns off, and only the power indicator is lit blue.

Status ⏻ Source Search

Lamp
Temp

When the power turns off, remove the USB flash drive.

Reflecting saved settings to other projectors

1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

2 Connect the USB flash drive containing the saved batch setup file to the projector's USB-A port

> - When the USB flash drive contains 1 to 3 types of batch setup files, the file is reflected to the projector with the same model number. If there are multiple files for a projector with the same model number, the settings may not be reflected correctly.
> - When there are four or more types of batch setup files on the USB flash drive, the settings may not be reflected correctly.
> - Do not store any data except for the batch setup file on the USB flash drive. If the USB flash drive contains data other than the batch setup file, the settings may not be reflected correctly.

3 While holding down the [Menu] button on the remote control or the control panel, connect the power cord to the projector

The status indicator and the power indicator turn blue, and the lamp indicator and the temperature indicator turn orange.

When all of the projector's indicators turn on, release the [Menu] button. The indicators turn on for approximately 75 seconds.
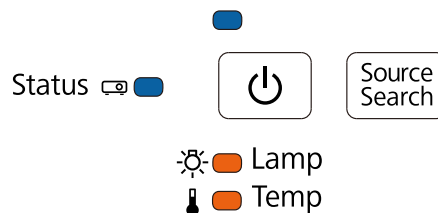
Status ▭▭   ⏻   Source Search

☼ ▭ Lamp
🌡 ▭ Temp

When all of the indicators start flashing, the settings are being written.

⚠ Caution

- Do not disconnect the power cord from the projector while the settings are being written. If the power cord is disconnected, the projector may not start correctly.
- Do not disconnect the USB flash drive from the projector while the settings are being written. If the USB flash drive is disconnected, the projector may not start correctly.

When writing completes normally, the projector turns off, and only the power indicator is lit blue.

Status ▭▭   ⏻   Source Search

☼ ▭ Lamp
🌡 ▭ Temp
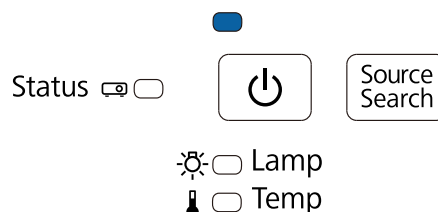
When the power turns off, remove the USB flash drive.

Setup by Connecting the Computer and Projector with a USB Cable

> The following operating systems support the batch setup function.
> - Windows XP and later
> - Mac OS X 10.5.3 and later

Saving settings to a computer

1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

2 Connect the computer's USB port to the projector's USB-B port with a USB cable

3 While holding down the [Esc] button on the remote control or the control panel, connect the power cord to the projector

The status indicator and the power indicator turn blue, and the lamp indicator and the temperature indicator turn orange.

When all of the projector's indicators turn on, release the [Esc] button.

Status ⌨ ■   ⏻   Source Search

☀ ■ Lamp
🌡 ■ Temp
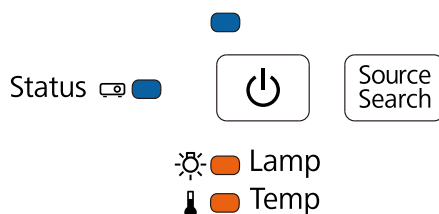
The projector is recognized as a removable disk by the computer.

4 Open the removable disk, and save the batch setup file (PJCONFDATA.bin) to the computer

> If you need to change the name of the batch setup file, add text after PJCONFDATA. If you change the PJCONFDATA section of the file name, the projector may not be able to recognize the file correctly. You can only use single-byte characters for the file name.

5 Perform "Remove USB device" on your computer, and then disconnect the USB cable

> When using OS X, perform "Remove EPSON_PJ".

The projector turns off and only the power indicator is lit blue.
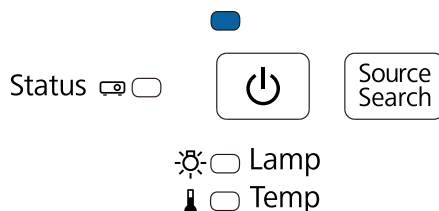
Status ⌨ ▢   ⏻   Source Search

☀ ▢ Lamp
🌡 ▢ Temp

Reflecting saved settings to other projectors

1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

2 Connect the computer's USB port to the projector's USB-B port with a USB cable

3 While holding down the [Menu] button on the remote control or the control panel, connect the power cord to the projector

The status indicator and the power indicator turn blue, and the lamp indicator and the temperature indicator turn orange.

When all of the projector's indicators turn on, release the [Menu] button.

Status ▭ ▮   ⏻   Source Search

☀ ▮ Lamp
🌡 ▮ Temp
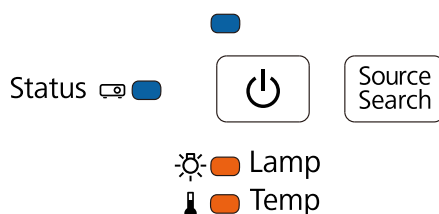
The projector is recognized as a removable disk by the computer.

4 Copy the batch setup file (PJCONFDATA.bin) that you saved to your computer to the top-level folder of the removable disk

> Do not copy any files or folders other than the batch setup file to the removable disk.

5 Perform "Remove USB device" on your computer, and then disconnect the USB cable
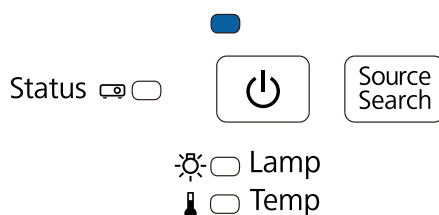
> When using OS X, perform "Remove EPSON_PJ".

When all of the indicators start flashing, the settings are being written.

⚠ **Caution**

Do not disconnect the power cord from the projector while the settings are being written. If the power cord is disconnected, the projector may not start correctly.

When writing completes normally, the projector turns off, and only the power indicator is lit blue.

Status ▭ ▯   ⏻   Source Search

☀ ▯ Lamp
🌡 ▯ Temp

When Setup Fails

Check	Remedy
Are the lamp indicator and the temperature indicator flashing orange quickly? Status ▢ ⏻ Source Search ☀ Lamp 🌡 Temp	The batch setup file may be corrupt, or the USB flash drive or USB cable may not be connected correctly. Disconnect the USB flash drive or the USB cable, unplug and then plug in the projector's power cord, and then try again.
Are the power indicator and the status indicator flashing blue quickly, and the lamp indicator and the temperature indicator flashing orange quickly? Status ▢ ⏻ Source Search ☀ Lamp 🌡 Temp	Writing the settings may have failed and an error may have occurred in the projector's firmware. Stop using the projector, remove the power plug from the electrical outlet, and contact your local dealer or the nearest address provided in the Epson Projector Contact List.

# ◯ Using the Interactive Function when Multiple Projectors are Installed

When using the interactive pen in the same room as multiple projectors, infrared interference may cause pen operations to become unstable. Interactive pen operations are stabilized by linking the projectors using cables.

By using the optional remote control cable set (ELPKC28), you can connect the SYNC ports on the projectors in series. After connecting the ports, set **Extended** - **Easy Interactive Function** - **Advanced** - **Sync of Projectors** to **Wired** from the Configuration menu.

For details, see the projector's *User's Guide* (on the Document CD-ROM).

> • The SYNC port has an IN and OUT socket. When you connect one end of the cable to an IN socket, connect the other end to an OUT socket.
> • When connecting three or more projectors, you do not need to connect the first projector to the last projector.
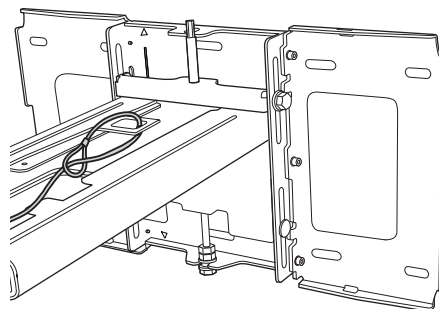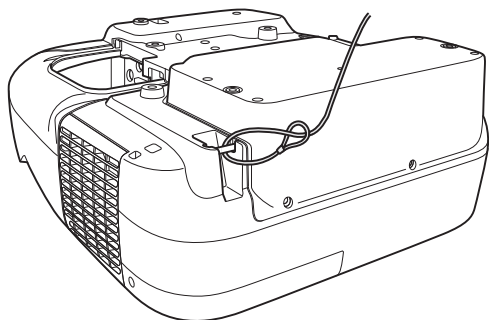>
>
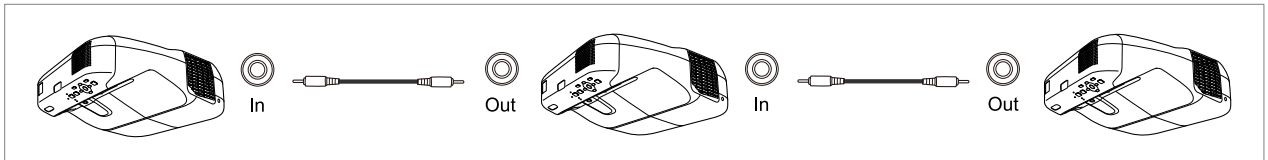
Attaching a Security Cable

A commercially available theft-prevention wire lock can be attached to this product.

Pass the wire for the theft-prevention wire lock through the security cable installation points on the projector and the setting plate. See the user's guide supplied with the wire lock for locking instructions.
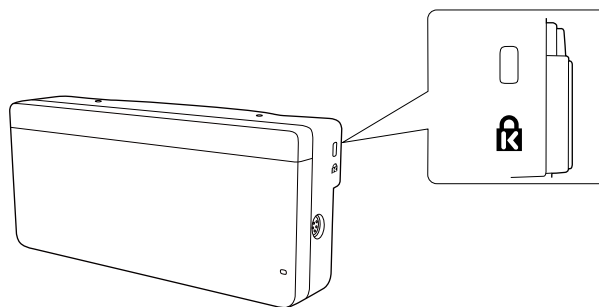

The security slot on this product is compatible with the Microsaver Security System manufactured by Kensington. See the following for more details on the Microsaver Security System.

http://www.kensington.com/
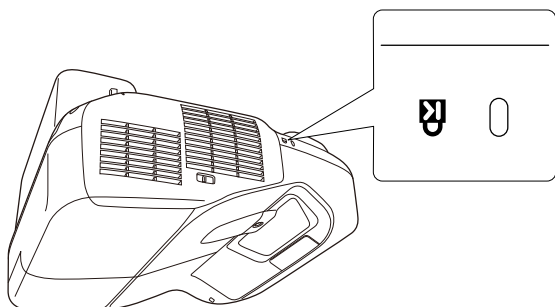
Projector   Touch Unit

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