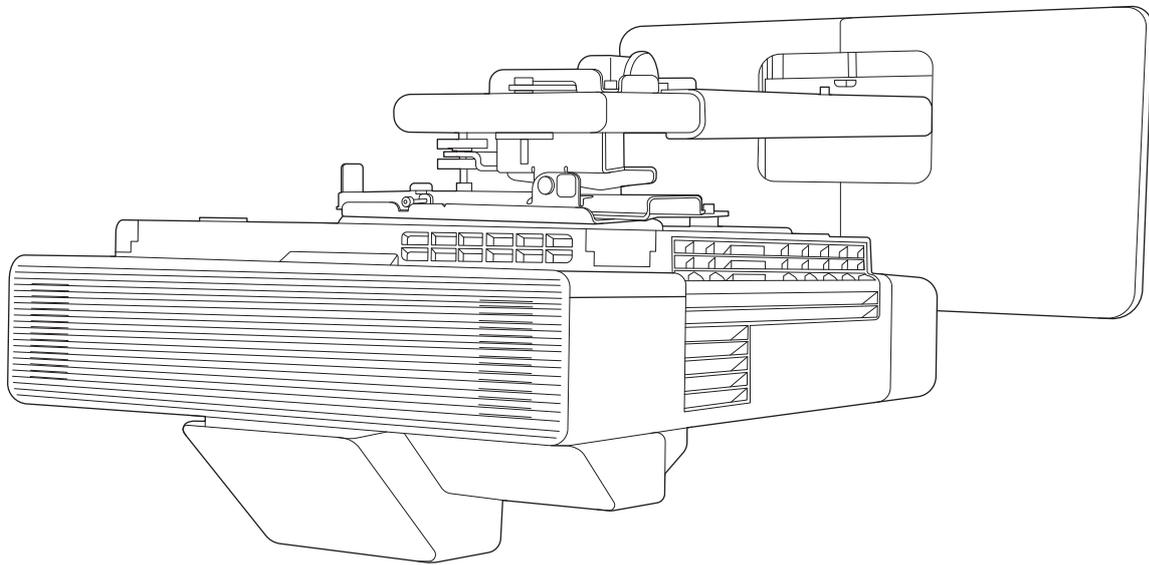


EB-1480Fi
ELPFT01
ELPMB63
Installation Guide





Contents of this Guide

This guide contains the following information.

- Installing an ultra-short throw projector (EB-1480Fi) using the wall mount supplied
- Installing the Touch Unit (ELPFT01)
- Installing the Touch Unit using the touch unit bracket (ELPMB63)
- Installing the Pen Stand

Equipment and mounts/brackets that are not included can be purchased as optional accessories.

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Using the Product Safely

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

Package Contents

Confirm that you have all necessary items before beginning installation.



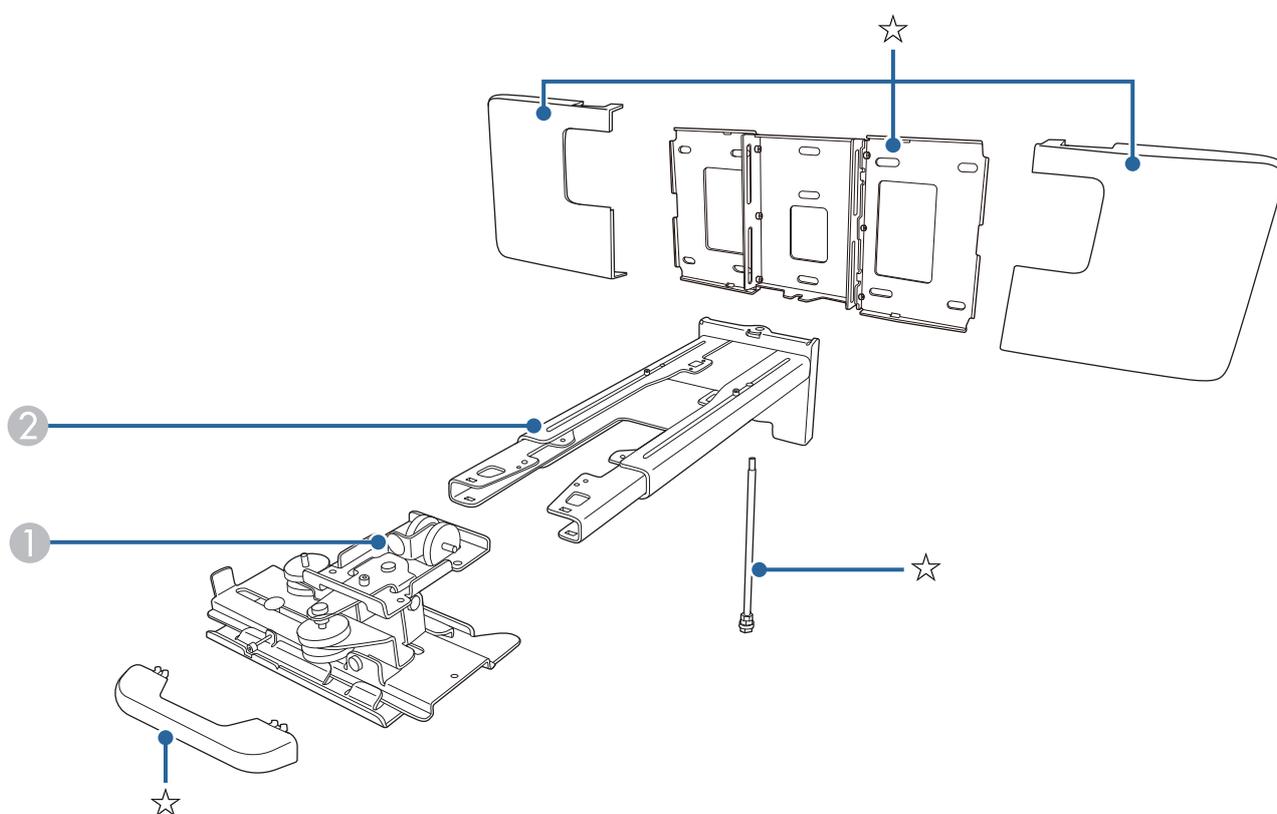
- If a wall mount has not been supplied with the projector, purchase the optional mount (ELPMB62). To install the projector using the ELPMB62, see the *Installation Guide* for the EB-1485Fi on the following website.

<http://epson.sn/>

- The pen stand may not be included depending on the area of purchase.

Wall mount

Main Mount

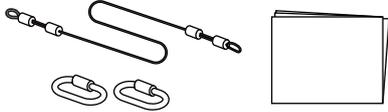
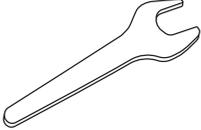


For parts labeled with ☆, use the parts of the old wall mount as they are.

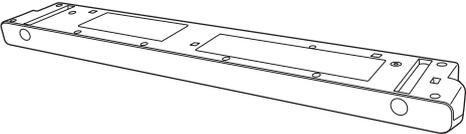
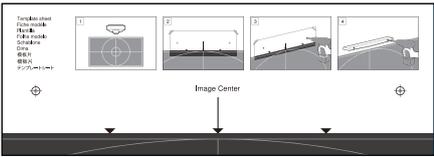
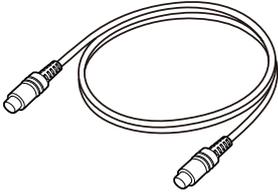
- Wall plate
- Hexagonal axis
- Wall plate cover
- End cap

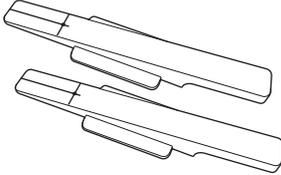
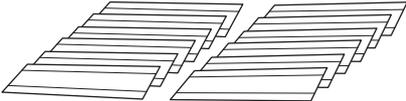
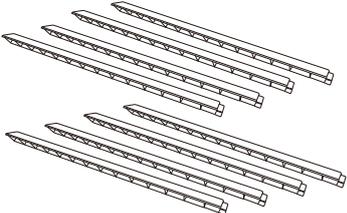
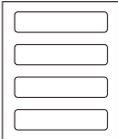
No.	Part name
①	Adjustment unit
②	Setting plate

Accessories

Part	Name	Application
	Cable binding belt	Secure excess cables after performing wiring.
	Safety wire set	Connect to the wall mount and the projector to prevent the projector from falling. See the user's guide supplied with the safety wire set for more details.
	Hexagon wrench (for M4)	-
	Spanner (No. 13 for M6)	-
	M4 x 12 mm hexagon socket head cap bolt with washer/spring washer (x8)	<ul style="list-style-type: none"> Secure the adjustment unit to the projector (x4) Secure the adjustment unit to the setting plate (x4)
	M6 x 20 mm hexagon shoulder head bolt with washer/spring washer (x1)	Secure the setting plate to the wall plate.
	M6 x 20 mm cross recessed head shoulder screws with plastic washers (x3)	

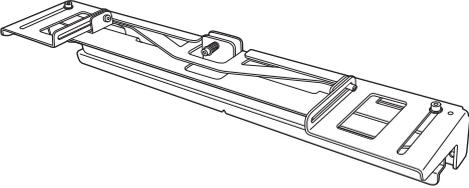
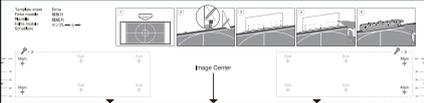
Touch Unit (optional)

Part	Name	Application
	Touch Unit	-
	Template sheet (for securing the Touch Unit)	Attach this to the wall before attaching the Touch Unit, and use it to drill necessary holes.
	Touch Unit connection cable (approx. 1.8m)	Connect the Touch Unit to the projector.

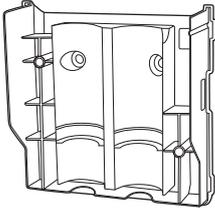
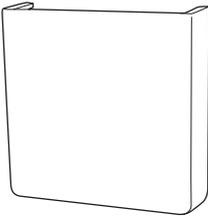
Part	Name	Application
	Markers x2	Attach to the screen to adjust the angle of the laser emitted by the Touch Unit. <div style="border: 1px solid black; padding: 5px; width: fit-content;">  When the finger touch operations do not work correctly, you need to use the markers again to re-calibrate the angle of the laser. Keep these in a safe place after installing. </div>
	Tape for securing the markers (approx. 6 cm) x12	Secure the markers to the projection surface.
	Infrared deflectors (approx. 28.5 cm) x8	Use these when there is a tray or frame at the bottom of the projection surface. This prevents malfunctions due to laser reflections.
	Spacers for screw holes x3	Attach them to the screw hole when securing the Touch Unit with screws.
	Label x4	Attach the label in the position of the Touch Unit. These provide markers when repositioning due to movement that occurs during use.

Touch Unit Bracket (optional)

Use this when attaching the Touch Unit to outside of the projection surface.

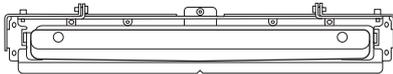
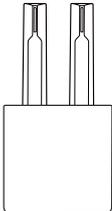
Part	Name	Application
	Touch Unit Bracket	-
	Template sheet (for Touch Unit Bracket)	Attach this to the wall before attaching the Touch Unit Bracket, and use it to drill necessary holes.
	M4 x 25mm hexagon socket head cap bolts (x2)	Secure the Touch Unit to the Touch Unit Bracket.
	Hexagon wrench (for M4)	-

Pen stand

Part	Name	Application
	Main unit	-
	Cover	Attach to the front of the pen stand.
	Spacers for screw holes x3	Attach them to the screw hole when securing the pen stand with screws.

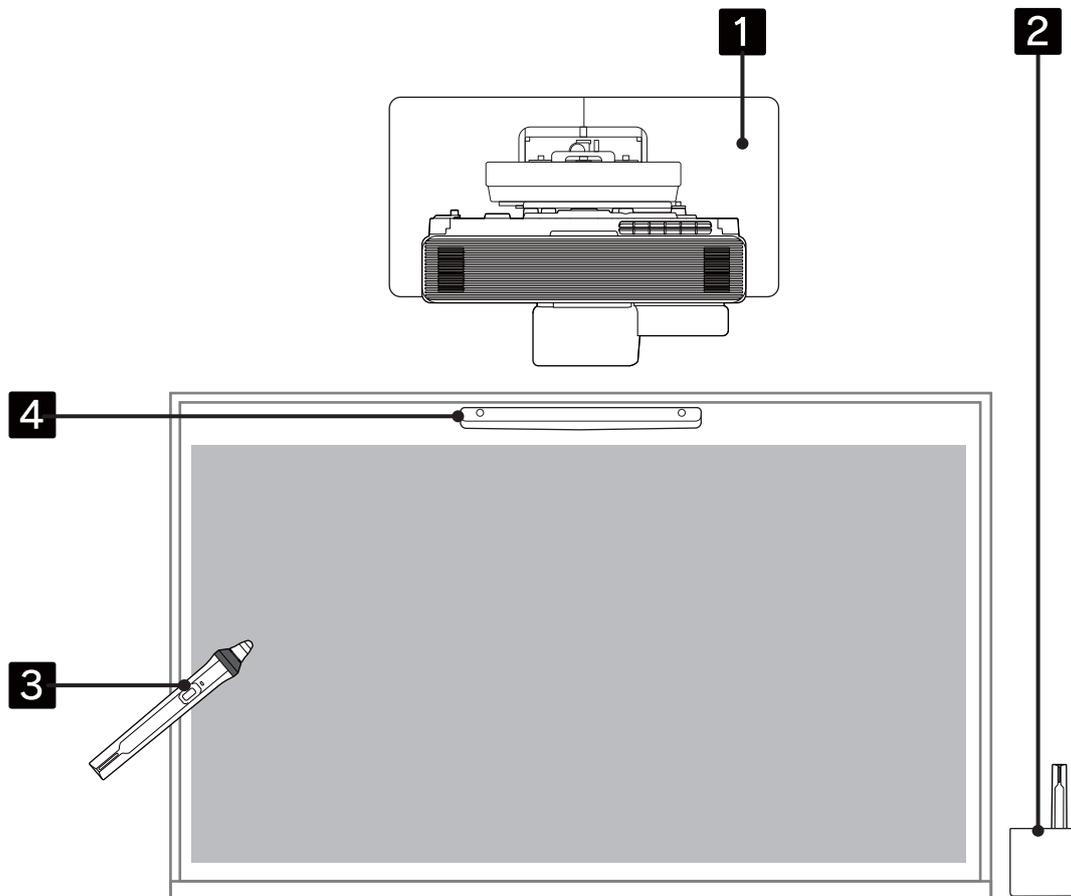
Necessary Items

As well as the items supplied, you also need to prepare the following screws and tools.

Applicable parts	Necessary items
	<p>For the Touch Unit</p> <ul style="list-style-type: none"> • M4 screws (to secure the Touch Unit: x2)
	<p>For the Touch Unit bracket</p> <ul style="list-style-type: none"> • Anchor bolts or screws for the bracket (depending on what the mounting surface is made of) <ul style="list-style-type: none"> • M4 anchor bolts (x4) • 3.8 mm diameter wood screws with a length of 45 mm or more (x4)
	<p>For the pen stand</p> <ul style="list-style-type: none"> • M4 x 20 mm screws (x2)

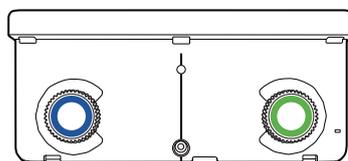
Installation Work Flow

We recommend installing the projector and peripheral devices in the following order.



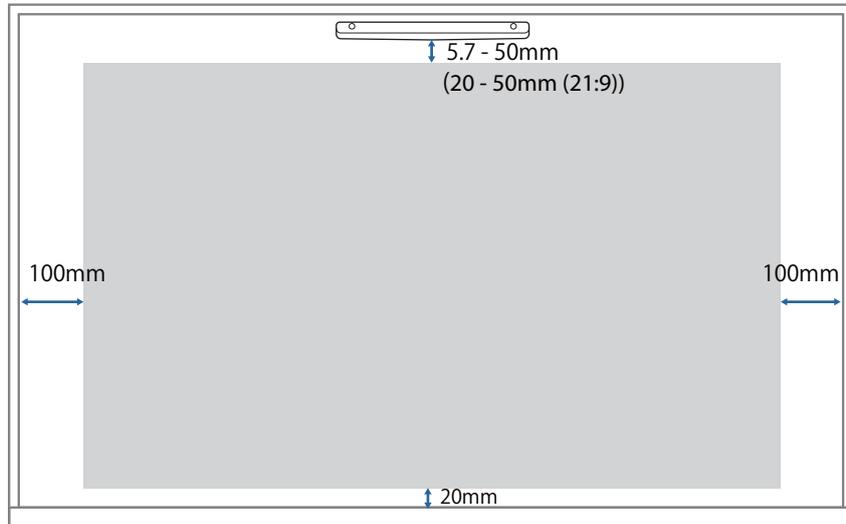
- 1** Mount projector on wall and adjust the projected image (☞ [p.12](#))
- 2** Install the pen stand (☞ [p.60](#))
- 3** Perform pen calibration (☞ [p.65](#))
- 4** Install and adjust touch unit and perform finger touch calibration (☞ [p.69](#))

 When you want to use the installed Touch Unit (see the following image) as it is, adjust the laser angle ([p.90](#)).

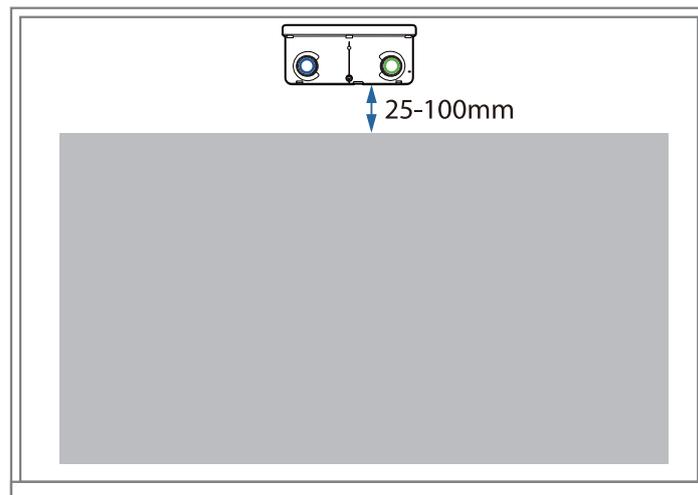


Figures of Installation Dimensions

When using the Touch Unit, install the projector so that there is a gap between the projected image and the edges of the screen as shown in the following image.



When you want to use the installed Touch Unit as it is, leave a gap of 25 to 100 mm between the bottom of the touch unit and the top of the image. If there is not enough space, you need to reinstall the Touch Unit.

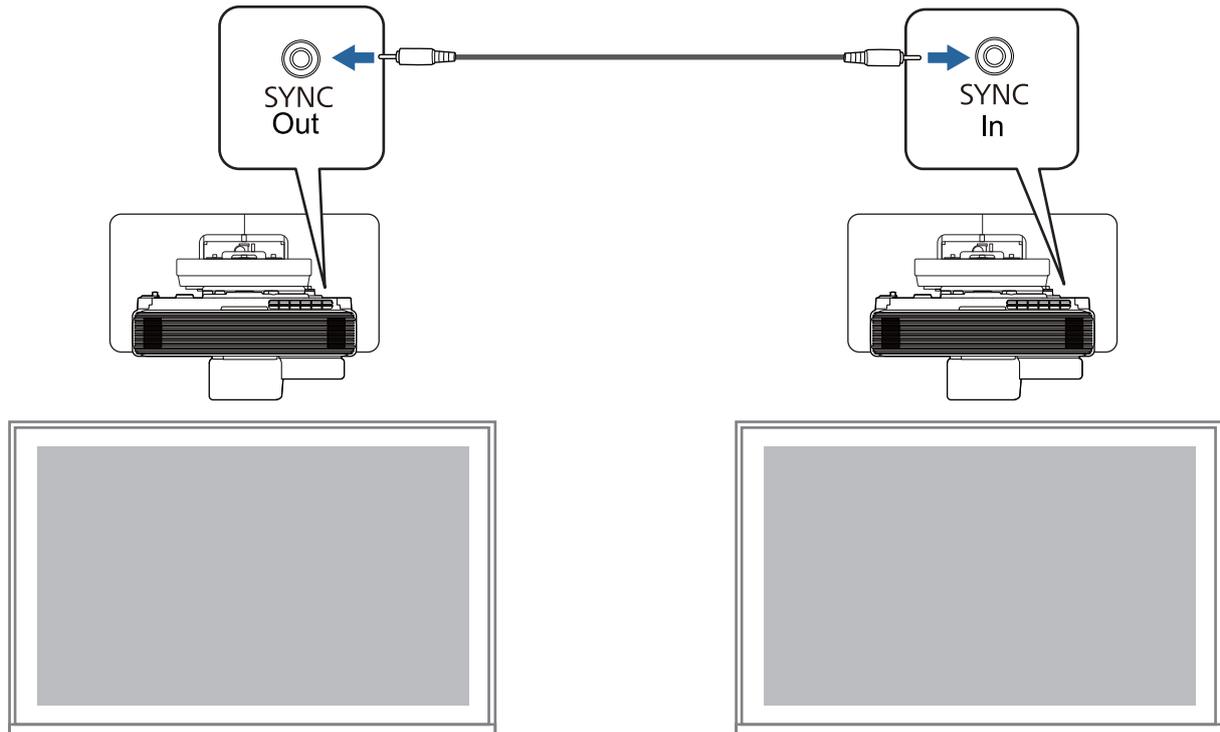


Connection Figure

Connecting Multiple Projectors

If interactive pen operations interfere with projectors that have been installed nearby, connect the projectors by using the optional remote control cable set (ELPKC28).

You can reduce the interference caused by the interactive pen by setting **Installation of Projectors > Sync of Projectors** to **Wired** from the **Pen/Touch** menu after connecting.



Cautions on Installing the Wall Mount

 Warning	
<p>The Wall mount is exclusively for mounting the projector on a wall. If anything other than a projector is mounted, the weight may result in damage.</p> <p>If this product falls, it could cause death or personal injury.</p>	
<p>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.</p>	
<p>Follow the steps in this guide to install the Wall mount, and be sure to use the bolts and screws specified in this guide.</p> <p>If the instructions are not followed, this product may fall, resulting in personal injury or an accident.</p>	
<p>Handle the power cord carefully.</p> <p>Incorrect handling may cause fire or electric shock. Observe the following precautions when handling:</p> <ul style="list-style-type: none"> • 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. 	
<p>Do not install the setting plate in a place where it might be subjected to vibration or shock.</p> <p>This could cause damage to the projector or mounting surface. If this product falls, it could cause death or personal injury.</p>	
<p>When installing on a wall, install so that it can sufficiently support the mass of the projector and the Wall mount and resist any horizontal vibration. Use M10 or 3/8 inch x 60 mm nuts and bolts.</p> <p>Nuts and bolts smaller than M10 or 3/8 inch x 60 mm 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.</p>	
<p>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.</p> <p>If this product falls, it could cause death or personal injury.</p>	
<p>When installing this product on a wall, the wall requires enough strength to hold the projector and the Wall mount.</p> <p>This product should be installed on a concrete wall.</p> <p>The maximum combined weight of the projector and the Wall mount is approximately 18.7kg (not including cables).</p> <p>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.</p>	
<p>When installing the EB-1480Fi on a wall, use the wall mount supplied or the ELPMB62.</p> <p>If you use a mount not specified in this manual, the projector cannot be installed correctly and the projector may fall or the installation surface may be damaged.</p>	

 Warning	
<p>Inspect the setting plate on a regular basis to ensure there are no broken parts or loose screws.</p> <p>If any parts are damaged, stop using the setting plate immediately. If this product falls, it could cause death or personal injury.</p>	
<p>Do not disassemble or remodel this product.</p> <p>There are numerous high-voltage sections inside the product that could cause a fire, electric shock, or an accident.</p>	
<p>Do not hang on this product. Do not hang heavy objects on this product.</p> <p>If this product falls, it could cause death or personal injury.</p>	
<p>Do not use adhesives, lubricants, or oils to install or adjust the Wall mount.</p> <p>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.</p>	
<p>Tighten all screws firmly after adjustment.</p> <p>Otherwise, the product may fall and cause personal injury or property damage.</p>	
<p>Never loosen the bolts and nuts after installation.</p> <p>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.</p>	
<p>Route the cables so that they are not interfered with the nuts and bolts.</p> <p>Incorrect handling of the cables may cause fire or electric shock.</p>	
<p>When turning on the projector, do not look into the projection lens.</p> <p>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 lens.</p>	
<p>When using the projector, do not place any objects or put your hand near the projection lens.</p> <p>This area is dangerous as it reaches a high temperature due to the concentrated projection light.</p>	
<p>Do not use the projector in a location subject to combustible or explosive gas.</p> <p>High temperatures within the projector may cause ignition and a fire to occur.</p>	
<p>Only a specialist should remove or reinstall the projector, including for maintenance and repairs.</p> <p>See the projector's <i>User's Guide</i> for instructions on maintenance and repairs.</p>	
<p>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.</p> <p>Continuing to use the product in an abnormal condition could cause a fire, electric shock, or visual impairment.</p>	

 **Warning**

Laser warning labels have been attached to the inside and outside of the projector.

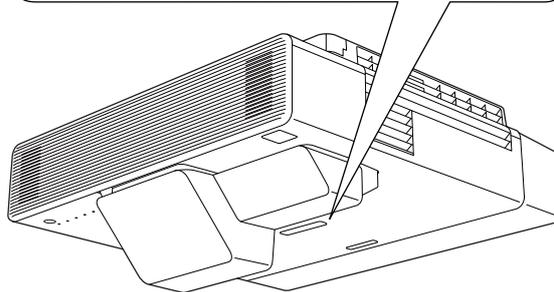
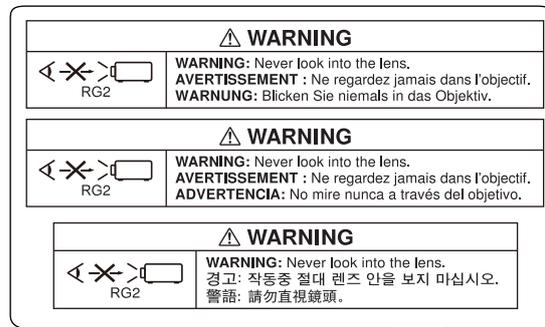


Internal



External

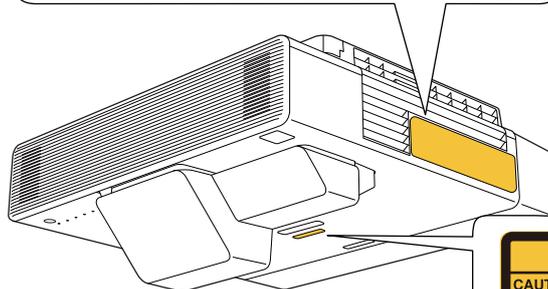
Do not look into the laser beam emitted from the projection lens while projecting. (Based on IEC/EN60825-1:2014)



For North/South America

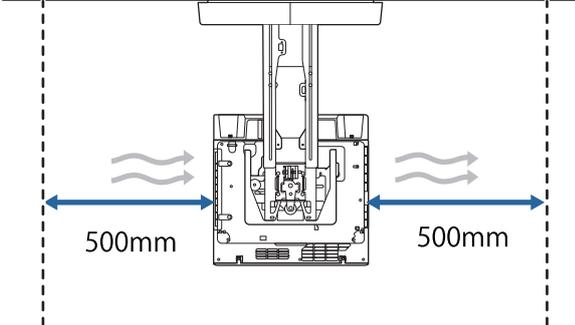
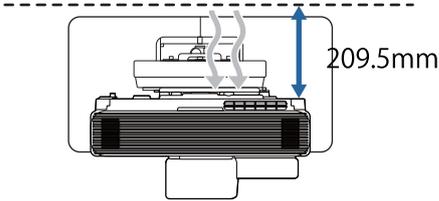
This projector is a Class 2 laser product that complies with the IEC/EN60825-1:2007 international standard for lasers.

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.



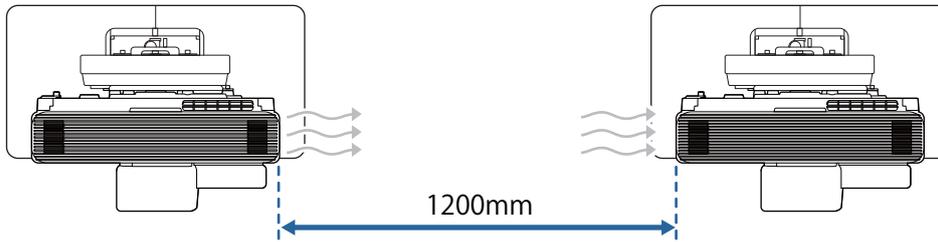
 Warning	
Never open any cases on the projector. Electrical voltages inside the projector can cause severe injury.	
Do not look directly into the projector's light source. Possibly hazardous optical radiation emitted from this product. Eye injury may result.	
 Caution	
Do not install this product in a 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.	
This projector is a Class 1 laser product that complies with the IEC/EN60825-1: 2014 international standard for lasers.	
Do not disassemble the projector when disposing of it. Dispose according to your local or national laws and regulations.	

Cautions on the Installation Location of the Wall Mount

 Warning	
<p>Do not install in a location subject to oily smoke or smoke for events.</p> <p>If oils and so on stick to 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.</p>	
 Caution	
<p>Do not install the projector or the screen in a location subject to direct sunlight.</p> <p>If the projector or the screen are subject to direct sunlight, the interactive function may not operate correctly.</p>	
<p>Carry out power supply wiring work at the installation location of the projector in advance.</p>	
<p>Install the projector away from other electric devices such as fluorescent lights or air conditioners.</p> <p>Some types of fluorescent lights could interfere with the remote control or the pen.</p>	
<p>When installing the projector, make sure there is a gap between the wall and the projector's air exhaust and intake vents as shown in the following image.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	
<p>When installing two or more projectors in parallel, make sure the temperature of the surrounding environment is less than 35°C.</p> <p>If the environment is too hot, the projector may overheat and the power may turn off without warning.</p>	

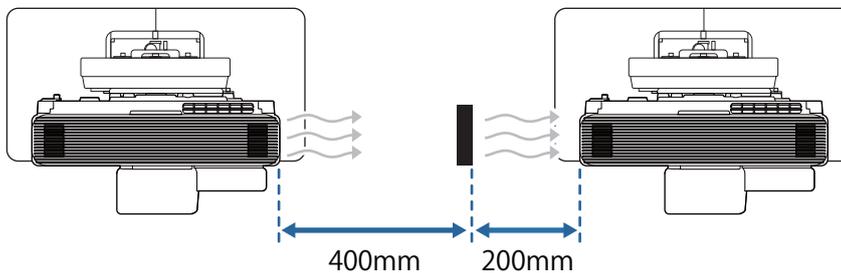
 Caution

When installing two or more projectors in parallel, leave a gap of at least 1,200 mm between the projectors. 



If you cannot secure a gap of approx. 1,200 mm, install a partition to block the heat vented from the projector's air exhaust vent.

The partitions should be larger than the exhaust vent (approx. 20 mm in all directions), and installed approximately 400 mm from the exhaust vent and 200 mm from the intake vents.



Install and adjust the projector at a room temperature that is close to the actual intended usage environment. 

If the temperature changes, the position of the image may shift or the accuracy of the pen may decline.

Install the projector so that it is tilted at an angle of no more than +3 degrees or -3 degrees vertically and horizontally in relation to the screen. 

When using interactive functions, install the projector so that the projected image is within reach. 

We recommend using stick-on screens or board screens. 

Wall Mount Specifications

Item	Specification
Wall mount mass (setting plate, hexagonal axis, adjustment unit, wall plate, wall plate cover, end cap)	Approx. 8.8 kg (With setting plate and adjustment unit only: Approx. 5.4 kg)
Maximum load capacity	Approx. 15.0 kg

About replacement installations

When replacing an installed projector with EB-1480Fi and you want to project images in the same position, check if the following conditions are met.

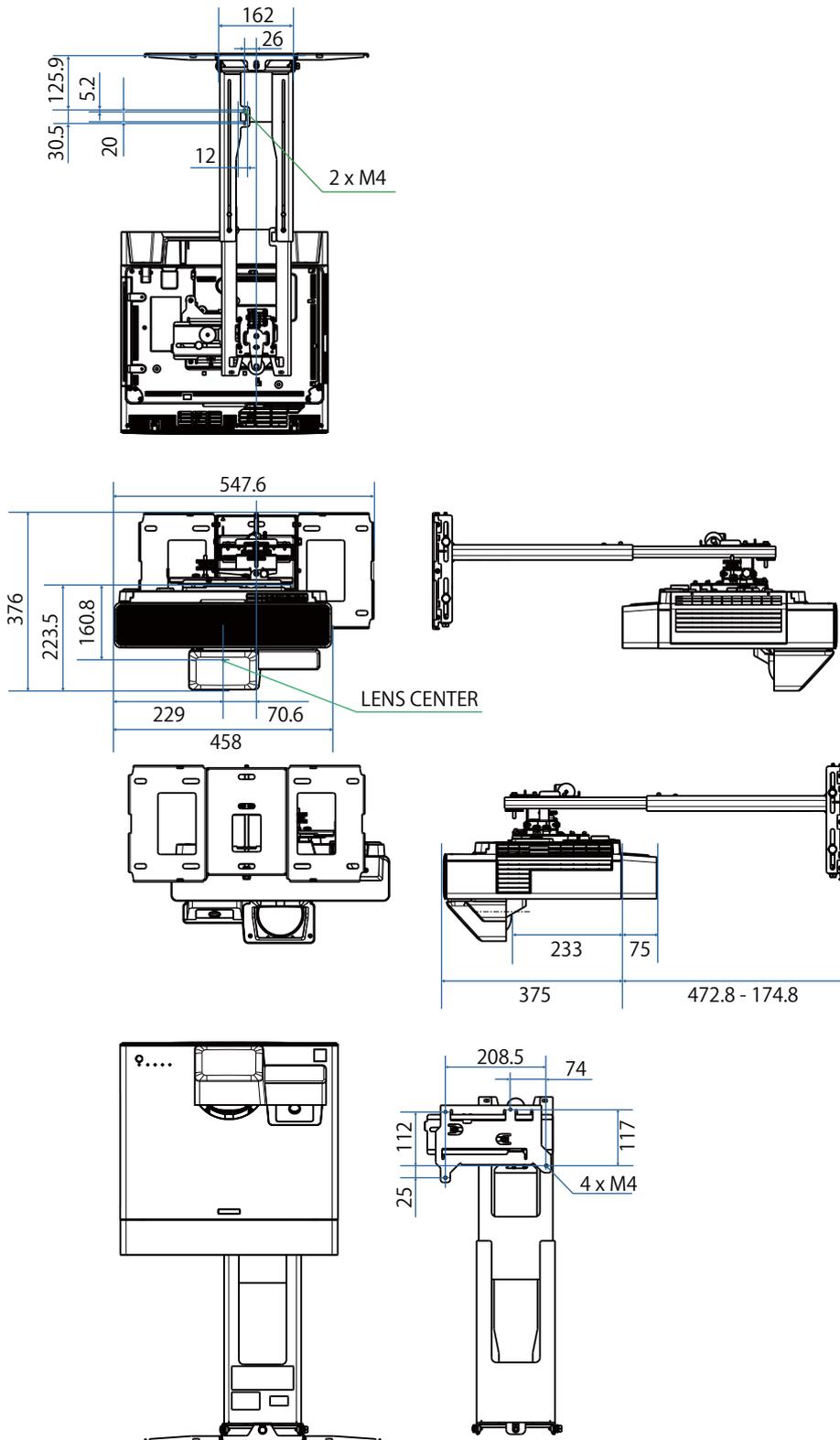
- The installed projector is one of the following:

- BrightLink 485Wi
- BrightLink 475Wi
- BrightLink 480i
- PowerLite 485W
- PowerLite 475W
- PowerLite 470
- PowerLite 480
- BrightLink 595Wi
- BrightLink 595Wi+
- BrightLink 585Wi
- BrightLink 585Wi+
- BrightLink 575Wi
- BrightLink 575Wi+
- EB-485Wi
- EB-485Wi+
- EB-485Wie
- EB-475Wi
- EB-475Wi+
- EB-475Wie
- PowerLite 585W
- PowerLite 575W
- PowerLite 580
- PowerLite 570
- EB-485W
- EB-485We
- EB-475W
- EB-475We
- EB-595Wi
- EB-595Wie
- EB-585Wi
- EB-575Wi
- EB-575Wie
- EB-470
- EB-480
- EB-480e
- EB-480i
- EB-470i
- EB-585W
- EB-585We
- EB-575W
- EB-575We
- EB-580
- EB-580e
- EB-570

- If it is installed on a wall, the installation mount is one of the following:

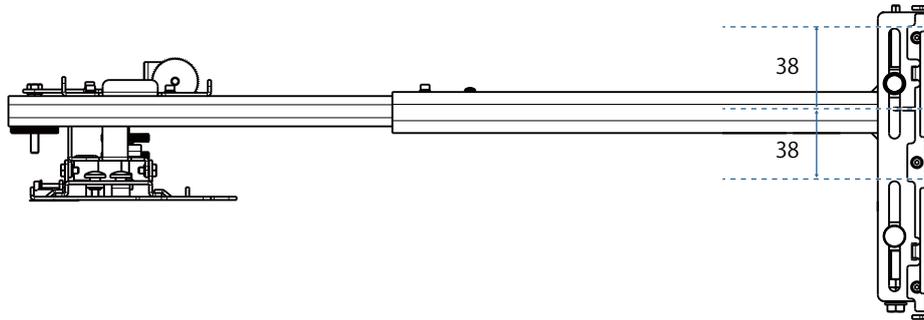
- ELPMB28
- ELPMB43
- Projecting at a size of 65 inches or more

External dimensions

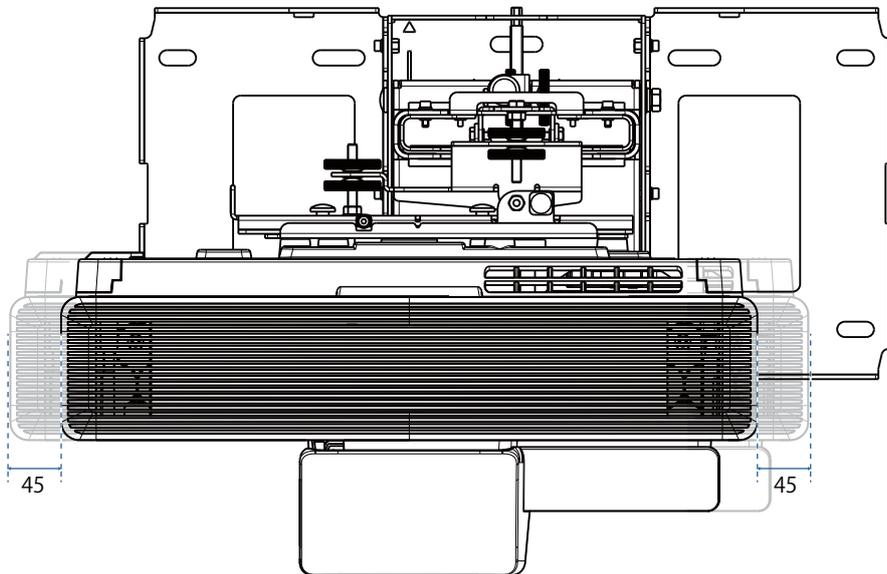


Adjustment range

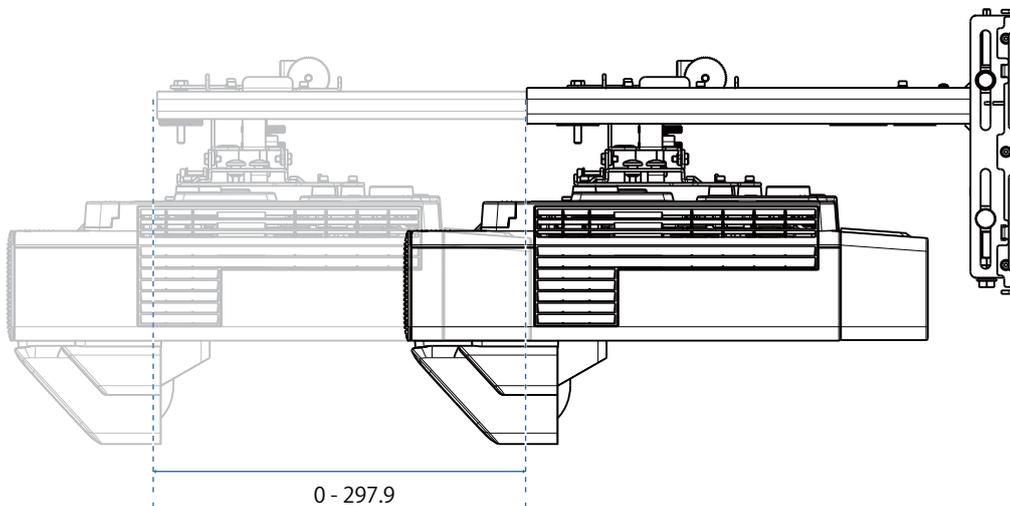
■ Vertical slide



■ Horizontal slide

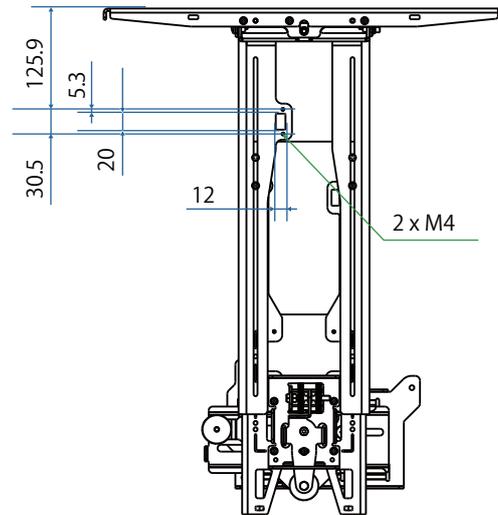


■ Forward/backward slide



Installing Accessories

When installing a switcher or a tuner, use the screw holes shown in the figure below to secure them.



Before installing, check that the total weight, including the projector and connection cables, is below the maximum load capacity for the Wall Mount. (● "Wall Mount Specifications" [p.18](#))

Installation Procedure for the Wall Mount

Follow the work flow below to install the wall mount.

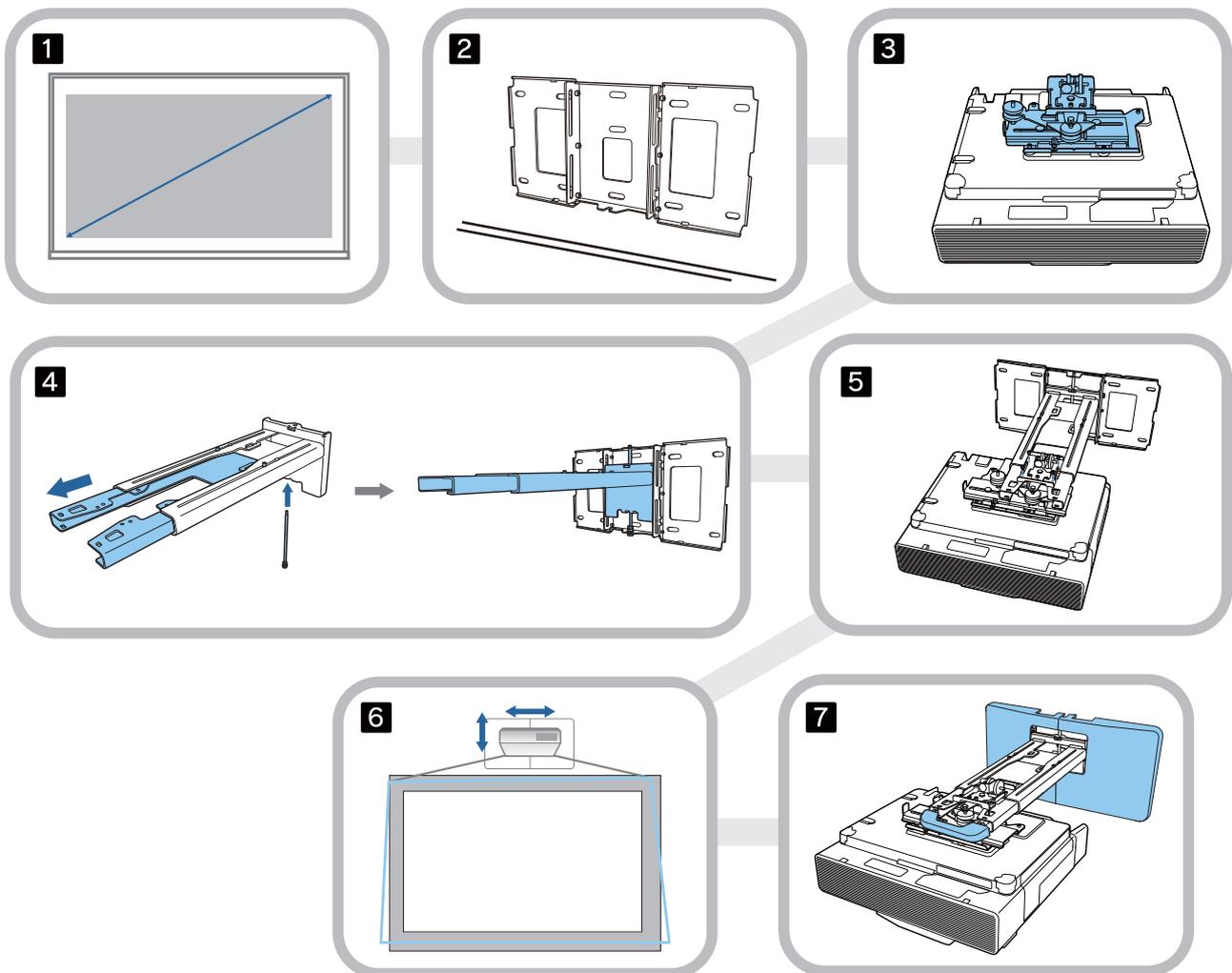
Route the cables before installing the wall mount according to your installation environment.



This manual describes the installation procedure when using the wall mount supplied with the EB-1480Fi. To install the projector using the ELPMB62, see the *Installation Guide* for the EB-1485Fi on the following website.

<http://epson.sn/>

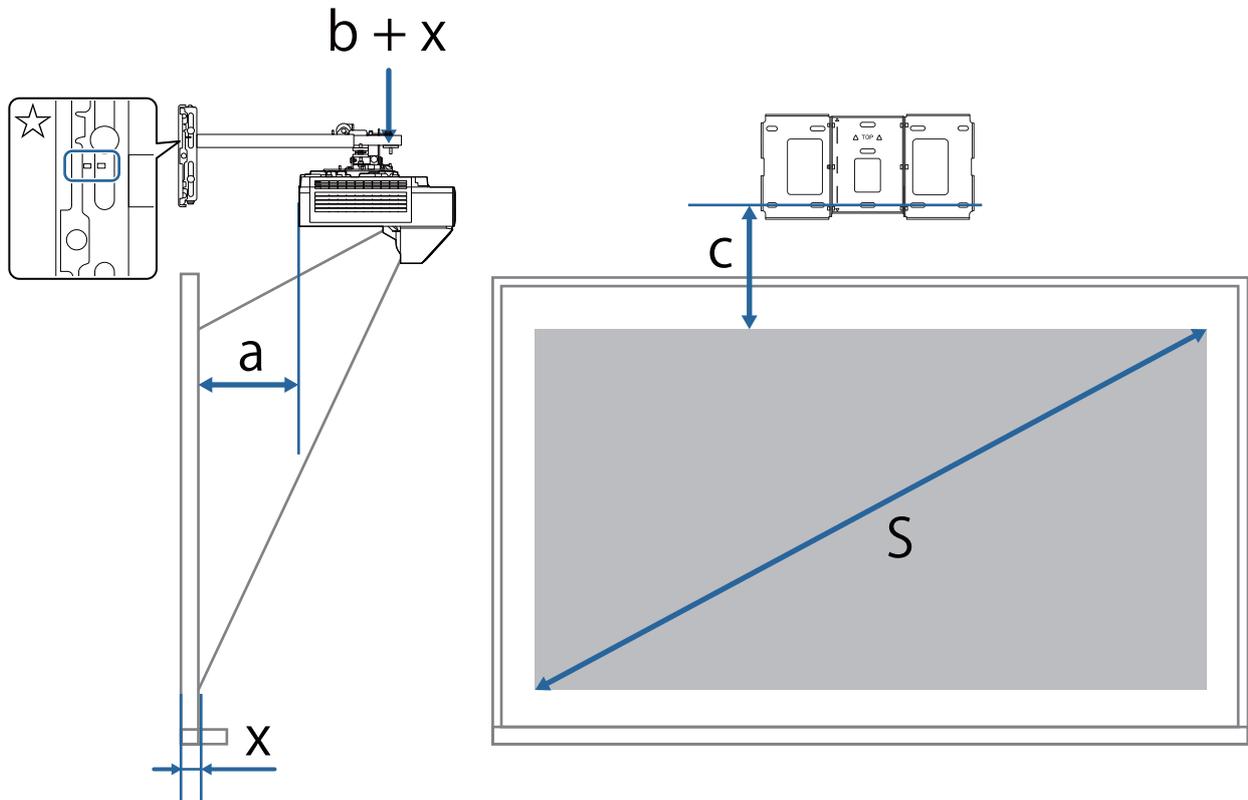
- 1 Check the projection distance tables to determine the installation position (☞ p.23)
- 2 Remove the currently installed projector and wall mount (☞ p.32)
- 3 Attach the adjustment unit to the projector (☞ p.34)
- 4 Adjust the arm length of the setting plate, and then attach it to the wall plate (☞ p.35)
- 5 Attach the adjustment unit to the setting plate, and then connect the cables and peripheral devices (☞ p.40)
- 6 Adjust the position of the image (☞ p.41)
- 7 Attach the covers (☞ p.57)



Installing the Bracket

■ Determining the installation position (projection distance tables)

Determine the installation position of the wall plate according to the size of the screen (S) you want to project on to. See the following figure to check the values from a to d. This is the value when the setting plate is in the middle of the wall plate (See ☆ in the following illustration).



a: Projection distance: Minimum (Wide)

c: Distance from the top edge of the image to the installation screw hole for the wall plate at the bottom

b + x: Number on the arm slide scale on the setting plate (Max. 533 mm)

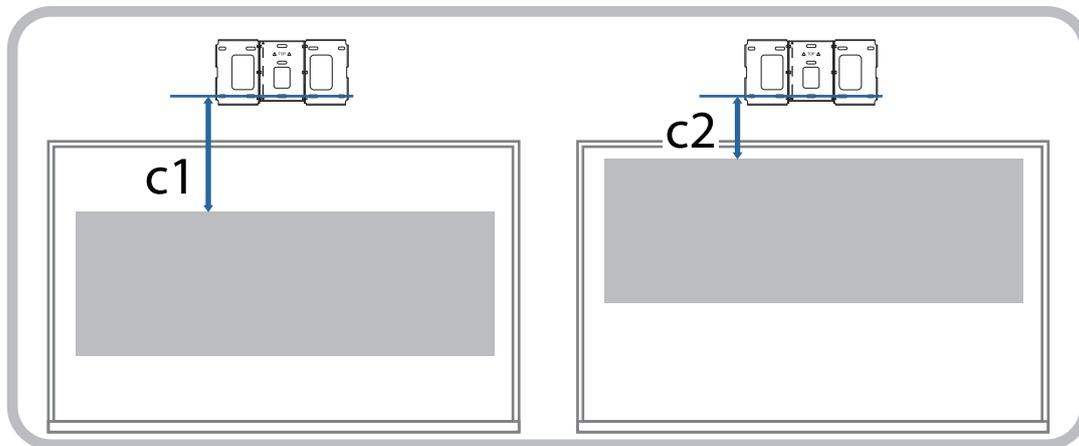
S: Projected image size

x: Distance from the wall to the projection surface (15 to 50 mm when using the touch unit bracket (p.71))

See the following for the value of c when projecting at an aspect ratio of 21:9.

When using the interactive features with an aspect ratio of 21:9, set the **Screen Position** to a vertically central or higher position.

- $c1$: When **Screen Position** is in the middle
- $c2$: When **Screen Position** is at the top



16:9 projected image

[Unit: mm]

	S	a	b	c
65"	1439 × 809	158	132	206
66"	1461 × 822	164	138	207
67"	1483 × 834	171	145	209
68"	1505 × 847	175	149	210
69"	1528 × 859	183	157	212
70"	1550 × 872	190	164	214
71"	1572 × 884	196	170	215
72"	1594 × 897	202	176	217
73"	1616 × 909	209	183	219
74"	1638 × 921	215	189	220
75"	1660 × 934	221	195	222
76"	1682 × 946	228	202	224
77"	1705 × 959	234	208	225
78"	1727 × 971	240	214	227
79"	1749 × 984	247	221	228
80"	1771 × 996	253	227	230
81"	1793 × 1009	259	233	232
82"	1815 × 1021	266	240	233
83"	1837 × 1034	272	246	235
84"	1860 × 1046	278	252	237
85"	1882 × 1058	285	259	238
86"	1904 × 1071	291	265	240
87"	1926 × 1083	297	271	241
88"	1948 × 1096	304	278	243
89"	1970 × 1108	310	284	245

S		a	b	c
90"	1992 × 1121	316	290	246
91"	2015 × 1133	323	297	248
92"	2037 × 1146	329	303	250
93"	2059 × 1158	335	309	251
94"	2081 × 1171	342	316	253
95"	2103 × 1183	348	322	254
96"	2125 × 1195	354	328	256
97"	2147 × 1208	361	335	258
98"	2170 × 1220	367	341	259
99"	2192 × 1233	373	347	261
100"	2214 × 1245	380	354	262

16:10 projected image

[Unit: mm]

	S	a	b	c
60"	1292 × 808	157	131	206
61"	1314 × 821	164	138	207
62"	1335 × 835	171	145	209
63"	1357 × 848	178	152	211
64"	1379 × 862	185	159	213
65"	1400 × 875	191	165	214
66"	1422 × 888	198	172	216
67"	1443 × 902	205	179	218
68"	1465 × 915	212	186	220
69"	1486 × 929	219	193	221
70"	1508 × 942	226	200	223
71"	1529 × 956	232	206	225
72"	1551 × 969	239	213	227
73"	1572 × 983	246	220	228
74"	1594 × 996	253	227	230
75"	1615 × 1010	260	234	232
76"	1637 × 1023	267	241	234
77"	1659 × 1037	274	248	235
78"	1680 × 1050	280	254	237
79"	1702 × 1063	287	261	239
80"	1723 × 1077	294	268	241

	S	a	b	c
81"	1745 × 1090	301	275	242
82"	1766 × 1104	308	282	244
83"	1788 × 1117	315	289	246
84"	1809 × 1131	321	295	248
85"	1831 × 1144	328	302	249
86"	1852 × 1158	335	309	251
87"	1874 × 1171	342	316	253
88"	1895 × 1185	349	323	255
89"	1917 × 1198	356	330	256
90"	1939 × 1212	363	337	258
91"	1960 × 1225	369	343	260
92"	1982 × 1239	376	350	262
93"	2003 × 1252	383	357	263
94"	2025 × 1265	390	364	265
95"	2046 × 1279	397	371	267
96"	2068 × 1292	404	378	269
97"	2089 × 1306	410	384	270
98"	2111 × 1319	417	391	272
99"	2132 × 1333	424	398	274
100"	2154 × 1346	431	405	276

4:3 projected image

[Unit: mm]

	S	a	b	c
53"	1077 × 808	157	131	206
54"	1097 × 823	165	139	207
55"	1118 × 838	173	147	209
56"	1138 × 853	180	154	211
57"	1158 × 869	188	162	213
58"	1179 × 884	196	170	215
59"	1199 × 899	204	178	217
60"	1219 × 914	211	185	219
61"	1240 × 930	219	193	221
62"	1260 × 945	227	201	223
63"	1280 × 960	235	209	225
64"	1300 × 975	242	216	227
65"	1321 × 991	250	224	229
66"	1341 × 1006	258	232	231
67"	1361 × 1021	266	240	233
68"	1382 × 1036	273	247	235
69"	1402 × 1052	281	255	237
70"	1422 × 1067	289	263	239
71"	1443 × 1082	297	271	241
72"	1463 × 1097	304	278	243
73"	1483 × 1113	312	286	245
74"	1504 × 1128	320	294	247
75"	1524 × 1143	328	302	249
76"	1544 × 1158	335	309	251
77"	1565 × 1173	343	317	253
78"	1585 × 1189	351	325	255
79"	1605 × 1204	359	333	257
80"	1626 × 1219	366	340	259

	S	a	b	c
81"	1646 × 1234	374	348	261
82"	1666 × 1250	382	356	263
83"	1687 × 1265	390	364	265
84"	1707 × 1280	397	371	267
85"	1727 × 1295	405	379	269
86"	1748 × 1311	413	387	271
87"	1768 × 1326	421	395	273
88"	1788 × 1341	428	402	275
89"	1808 × 1356	436	410	277
90"	1829 × 1372	444	418	279
91"	1849 × 1387	452	426	281
92"	1869 × 1402	459	433	283
93"	1890 × 1417	467	441	285
94"	1910 × 1433	475	449	287
95"	1930 × 1448	483	457	289
96"	1951 × 1463	490	464	291
97"	1971 × 1478	498	472	293
98"	1991 × 1494	506	480	295
99"	2012 × 1509	514	488	297
100"	2032 × 1524	521	495	299

21:9 projected image

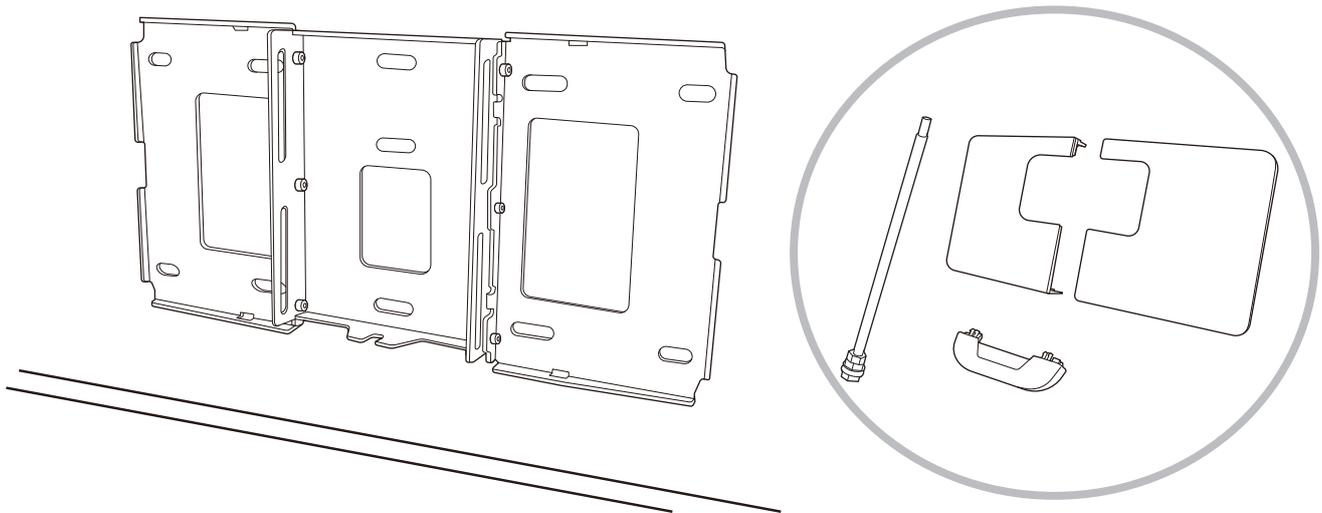
[Unit: mm]

	S	a	b	c1	c2
62型	1447 × 620	160	134	303	206
63型	1471 × 630	167	141	307	209
64型	1494 × 640	174	148	310	210
65型	1518 × 650	181	155	313	211
66型	1541 × 660	187	161	316	213
67型	1564 × 670	194	168	320	215
68型	1588 × 680	201	175	323	217
69型	1611 × 690	207	181	326	218
70型	1634 × 700	214	188	329	220
71型	1658 × 710	221	195	333	222
72型	1681 × 720	227	201	336	224
73型	1704 × 730	234	208	339	225
74型	1728 × 740	241	215	343	227
75型	1751 × 750	247	221	346	229
76型	1774 × 760	254	228	349	230
77型	1798 × 770	261	235	352	232
78型	1821 × 780	267	241	356	234
79型	1844 × 790	274	248	359	236
80型	1868 × 800	281	255	362	237
81型	1891 × 810	287	261	365	238
82型	1914 × 820	294	268	369	241
83型	1938 × 830	301	275	372	242
84型	1961 × 840	307	281	375	244
85型	1984 × 850	314	288	379	246
86型	2008 × 860	321	295	382	248
87型	2031 × 870	327	301	385	249
88型	2054 × 880	334	308	388	251
89型	2078 × 890	341	315	392	253

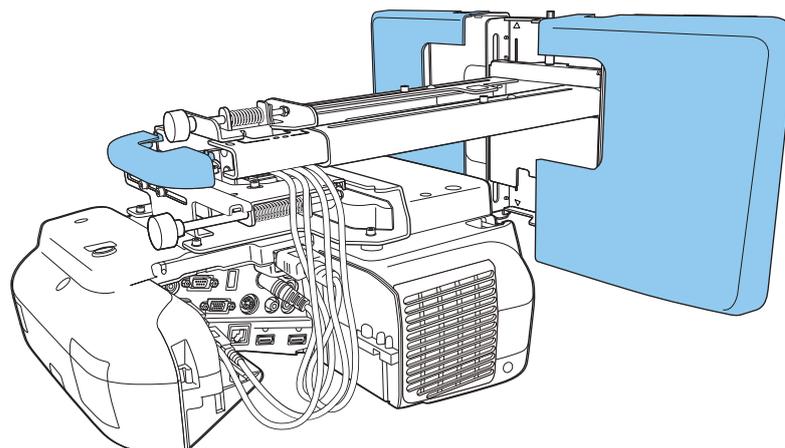
	S	a	b	c1	c2
90"	2101 × 900	347	321	395	254
91"	2125 × 911	354	328	398	256
92"	2148 × 921	361	335	401	257
93"	2171 × 931	367	341	405	260
94"	2195 × 941	374	348	408	261
95"	2218 × 951	381	355	411	262
96"	2241 × 961	388	362	415	265
97"	2265 × 971	394	368	418	266
98"	2288 × 981	401	375	421	268
99"	2311 × 991	408	382	424	269
100"	2335 × 1001	414	388	428	272

■ Removing the currently installed projector and wall mount

Remove all parts except for the wall plate, and make situation as shown in the following figure. Keep the hexagonal axis, wall plate covers, and end cap as you will use these when installing the new mount.

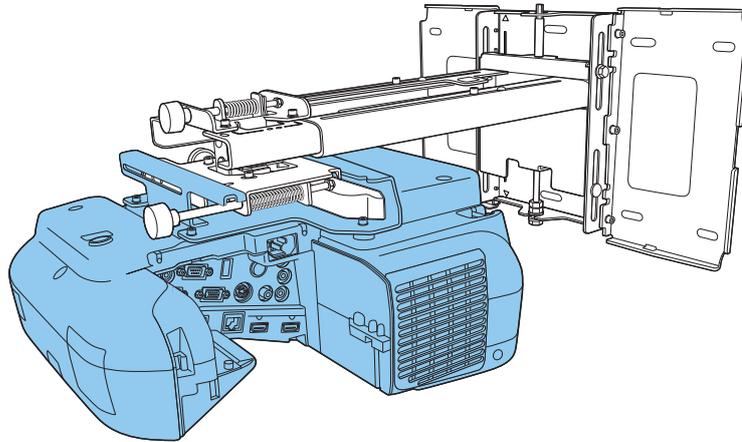


- 1** Remove the wall plate covers and end cap
Keep them as you will use these when installing the new mount.

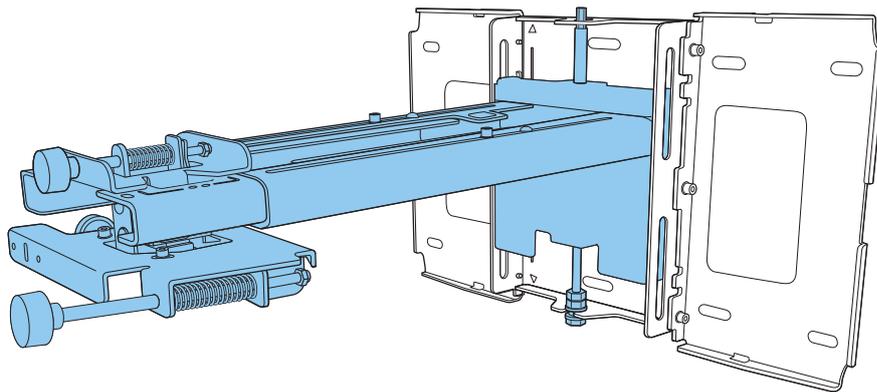


2 Remove the cables from the projector

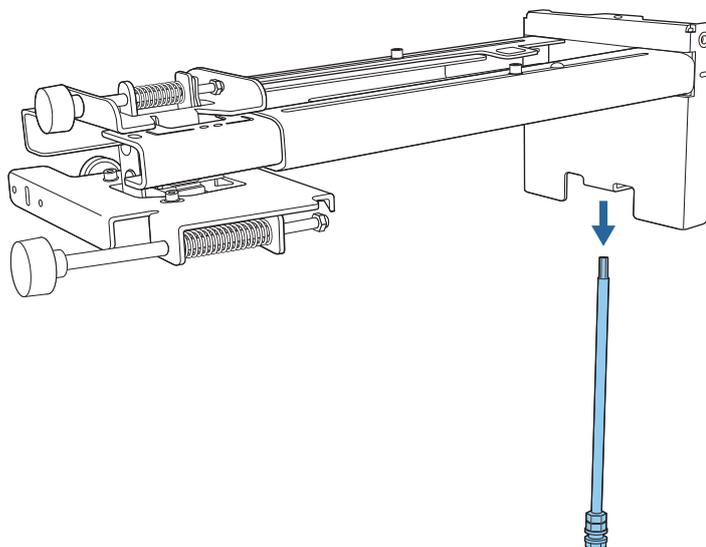
3 Remove the projector from the setting plate



4 Remove the setting plate from the wall plate

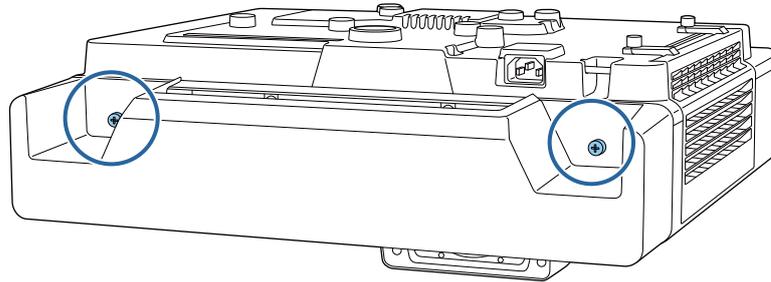


5 Remove the hexagonal axis from the setting plate
Keep them as you will use these when installing the new mount.

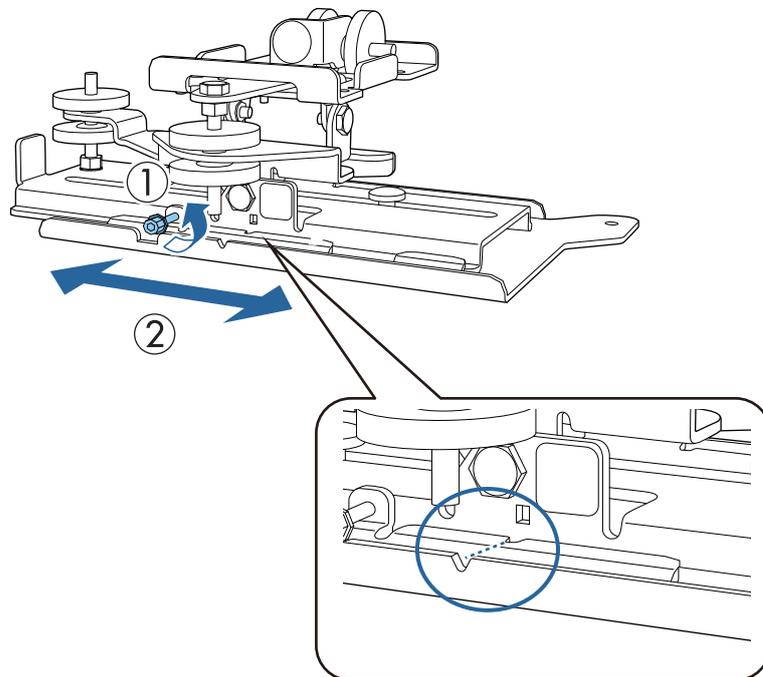


■ Attaching the adjustment unit to the projector

1 Loosen the screws (x2) and remove the cable cover from the projector

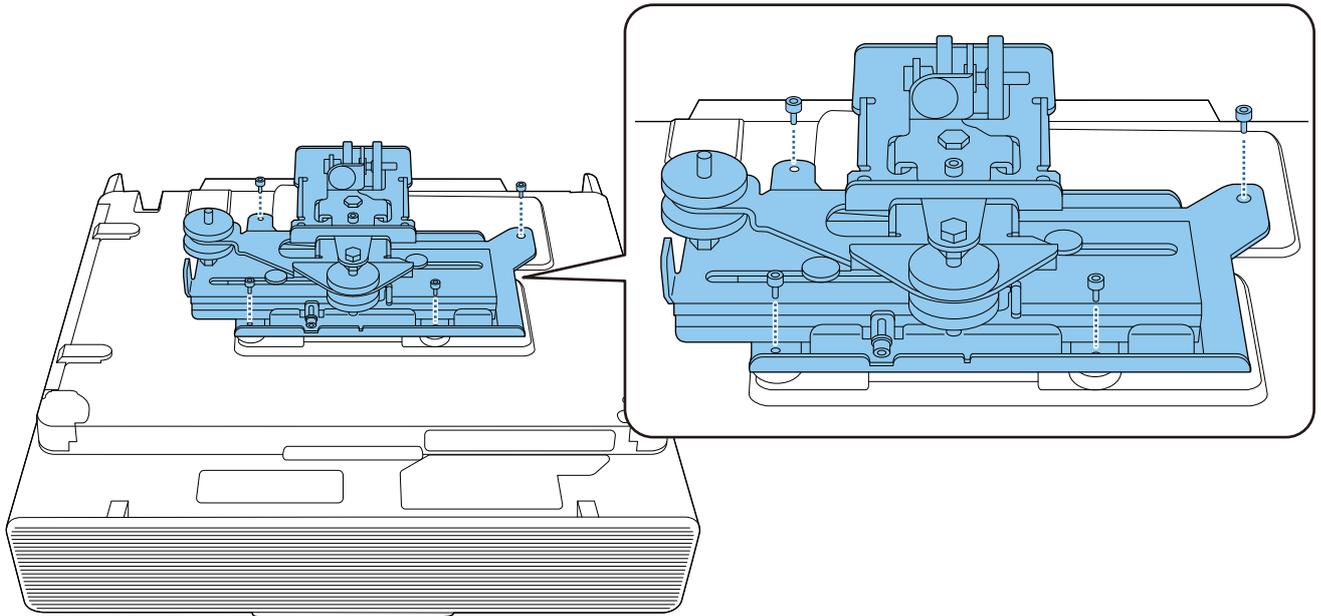


2 Loosen the M4 bolt on the adjustment unit, and then align the marks for each part



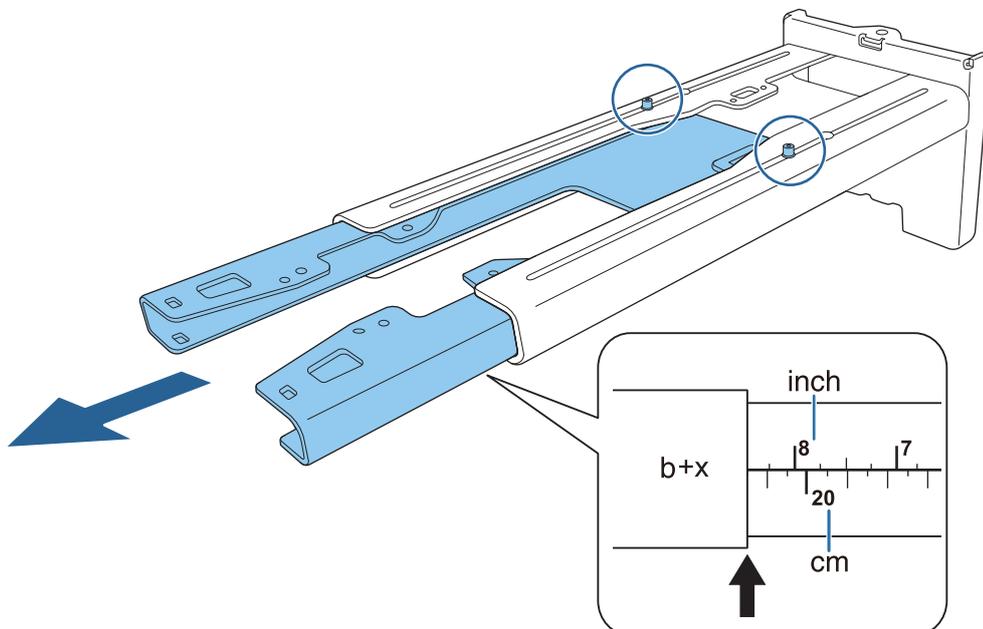
When the position is correct, tighten the M4 bolt.

- Secure the adjustment unit to the base of the projector with the M4 x 12 mm bolts (x4) supplied

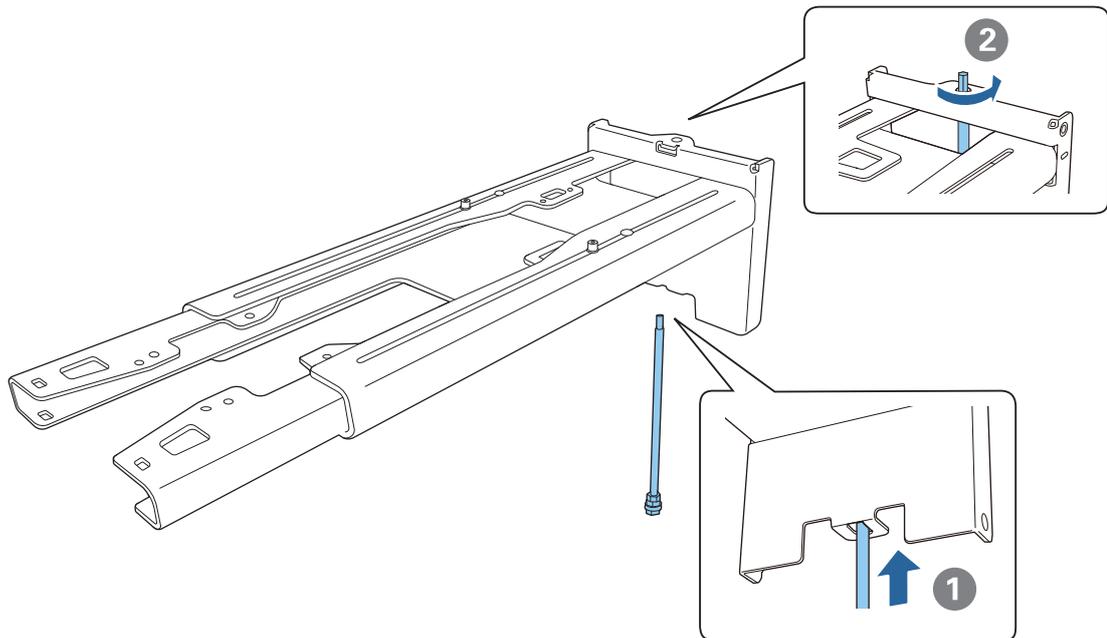


Attaching the setting plate to the wall plate

- Loosen the M4 x 12 mm bolts (x2) and extend the arm slide on the setting plate
Adjust the scale on the slider to the combined distance of the value for (b) confirmed in the projection distance table (p.23) and the thickness of the projection surface (x).

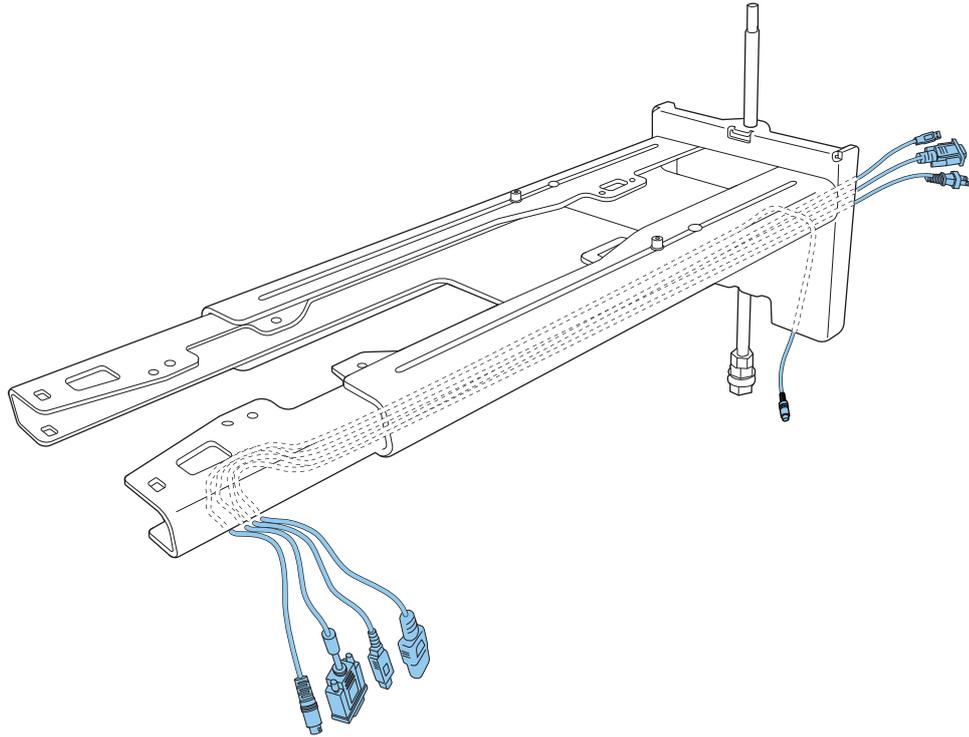


- 2** Insert the hexagonal axis into the setting plate
Prepare the hexagonal axis that you removed.



3

Route the necessary cables through the setting plate



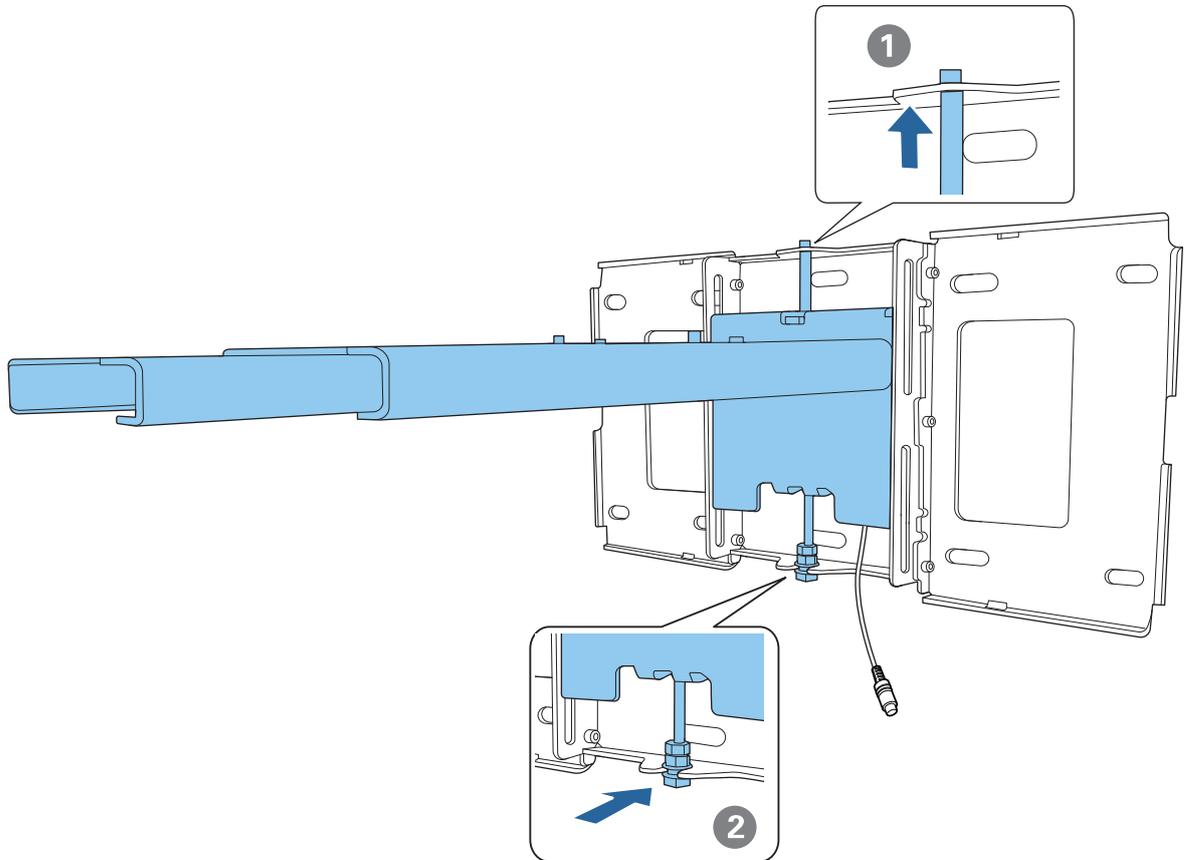
 **Warning**

Do not hang the rest of the cable over the setting plate. They could fall and cause an accident.



- The following connection ports should be routed so that they come out of the lower part of the setting plate and not through walls.
 - Cable for connecting to the Touch Unit
 - Cables for connecting to peripheral devices

- 4** Attach the setting plate to the wall plate
Insert the hexagonal axis until the tip extends slightly out of the top of the wall plate and the other end connects to the bottom of the wall plate.



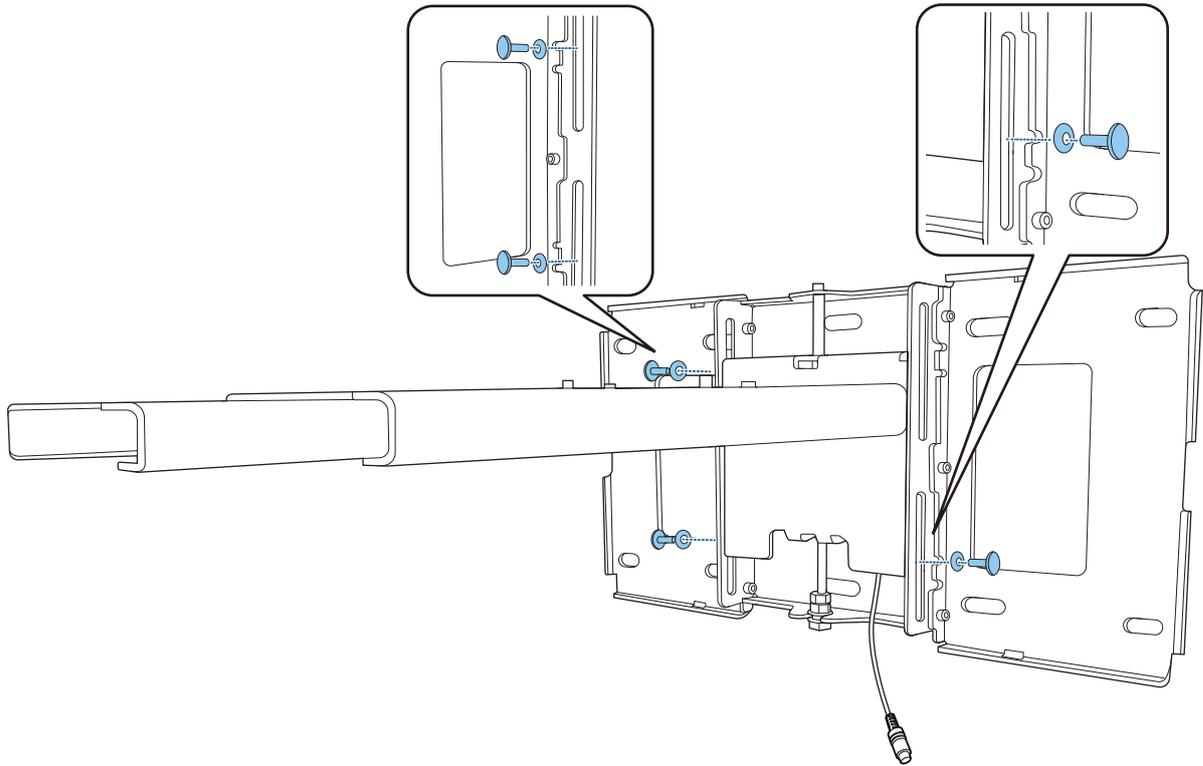
⚠ Caution

Take care not to trap the cables between the setting plate and wall plate.

5

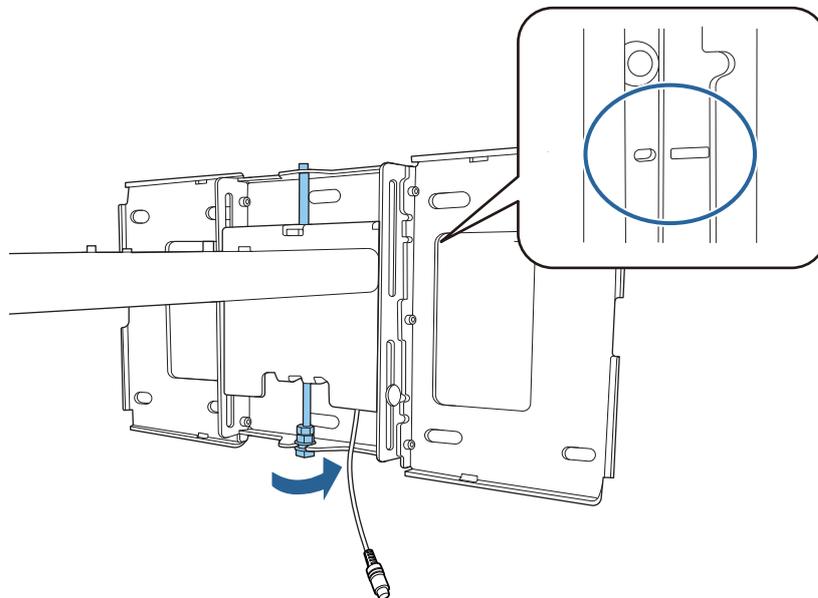
Temporarily secure the setting plate

Secure three points with the M6 screws supplied (x3).

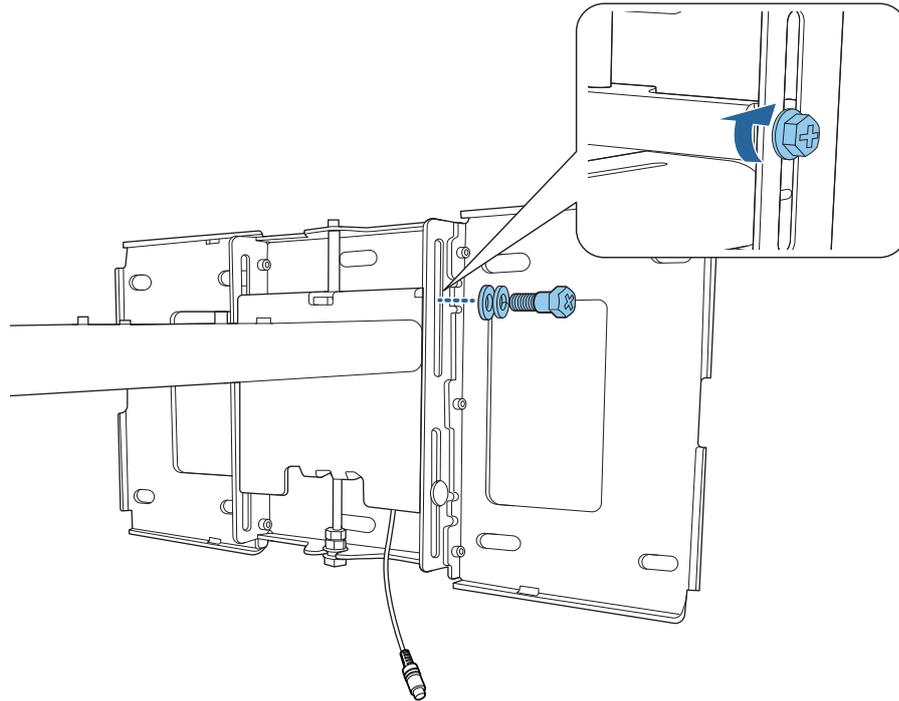


6

Adjust the vertical slide with the open-ended spanner to align the marks on the wall plate and the setting plate.

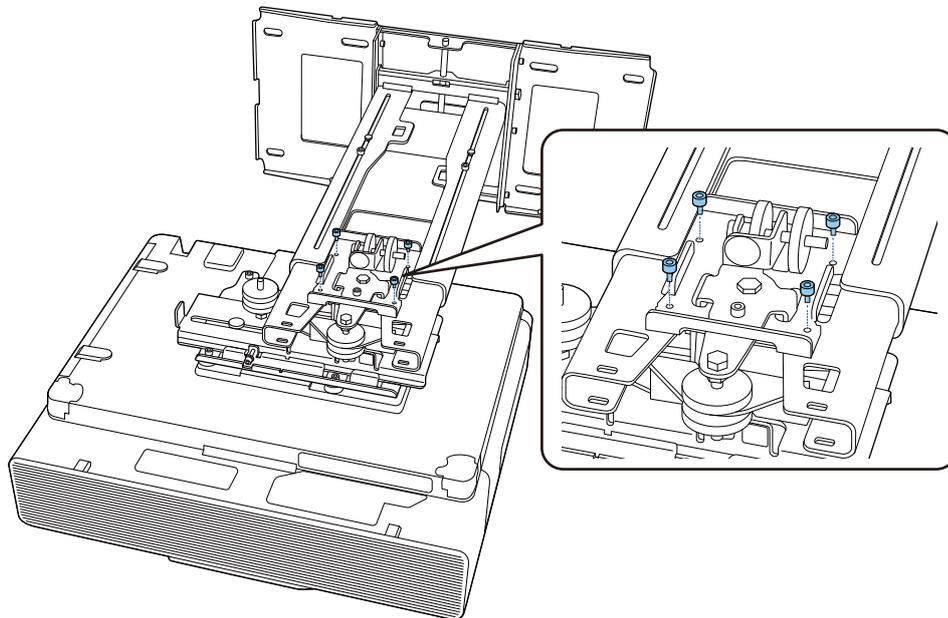


7 Tighten the M6 bolt (x1) to secure the setting plate in position



■ Attaching the adjustment unit to the setting plate

1 Attach the adjustment unit to the setting plate with the M4 x 12 mm bolts (x4) supplied



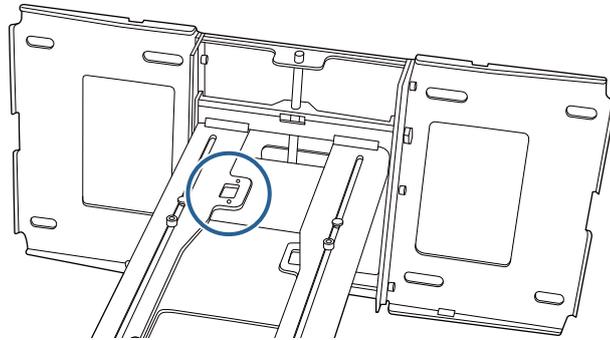
2 Connect the cables to the projector

Connect the power cord last.

■ Attaching peripheral devices

Attaching external tuners and accessories

Use commercially available M4 screws to secure external tuners and accessories to the screw holes as shown in the following figure.



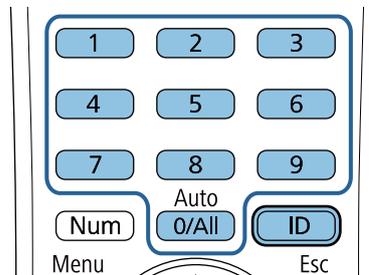
Adjusting the position of the projected image

You can use any of the following methods to adjust the position of the projected image.



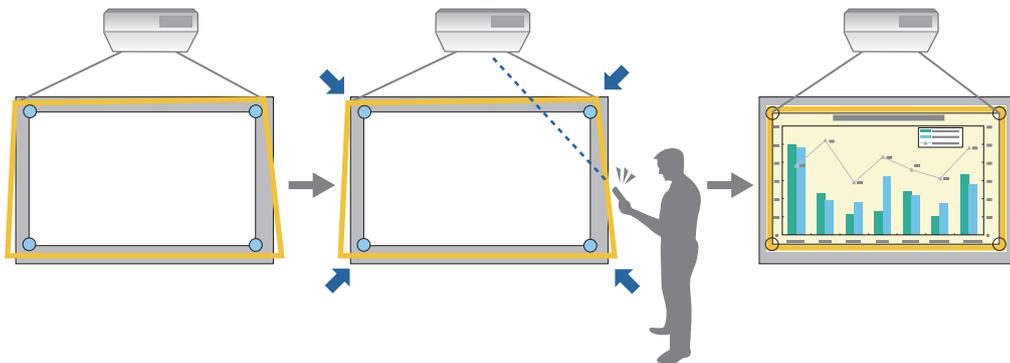
When multiple projectors are installed in the same room, we recommend that you set projector IDs to prevent remote control interference.

Turn on a projector and set the ID number for the projector in **Installation > Projector ID**. When you want to operate a specific projector, hold down the [ID] button on the remote control and press the button with the same number as the projector ID.



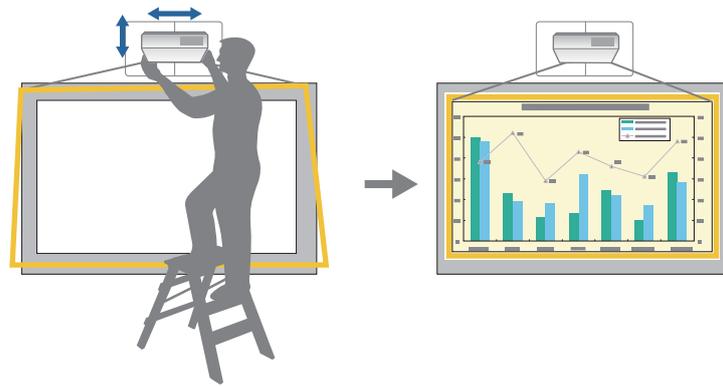
- Auto Screen Adjustment ([p.44](#))

Attach corner markers to the four corners of the projection position to automatically adjust the position of the image. This is useful when you want to perform an approximate adjustment to a specific position.



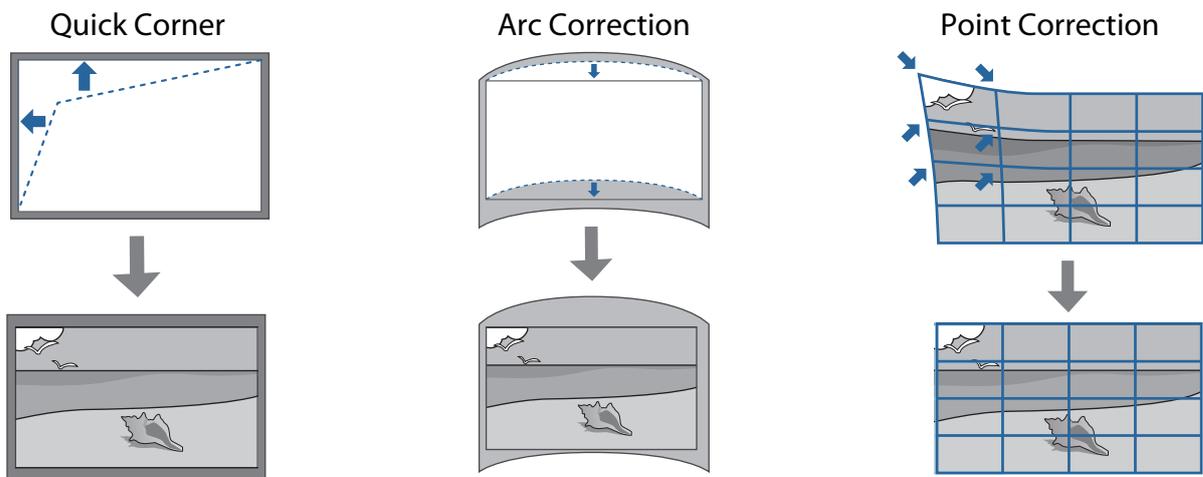
- Adjusting using the Setting Plate Installation Guide ([p.47](#))

Manually adjust the position of the setting plate according to the guide screen displayed. This is useful when you want to perform fine adjustments to the projection position while maintaining the image quality.



- Adjusting using the projector menus ([p.51](#))

Select the area you want to adjust and manually correct the image. This is useful when you want to make fine adjustments to the projection position after making mechanical adjustments using the guide screen.

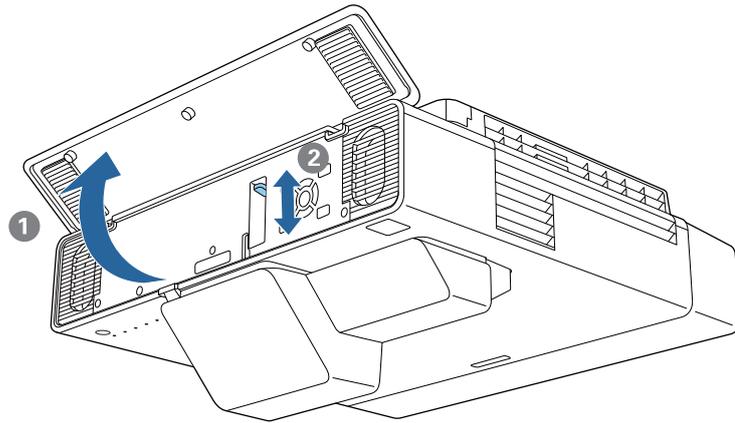


- Images are not stable immediately after turning on the projector. After starting projection, wait for at least 30 minutes before adjusting the image.
- Install and adjust the projector at a room temperature that is close to the actual intended usage environment. If the temperature changes, the position of the image may shift or the accuracy of the pen may decline.
- When setting up multiple projectors using the batch setup function, perform the batch setup before adjusting the projected image.
- We recommend the mechanical position adjustment of the setting plate to adjust the image when you want to maintain image quality.

■ Preparations before adjusting

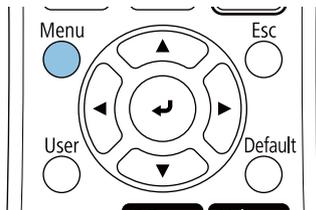
- 1 Press the [⏻] button on the remote control or the control panel to turn on the projector

- Open the projector's front cover, and then perform approximate focus adjustment using the focus lever

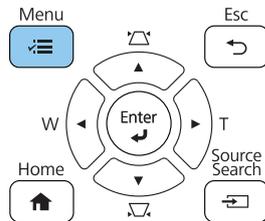


- Press the [Menu] button

Using the Remote Control



Using the Control Panel



- Select **Screen Type** from the **Installation** menu to set the aspect ratio of the projected image

Frequently Used Items	Installation	
Image	Fixed Installation	Off
Signal I/O	Test Pattern	
Installation	Setting Plate Installation Guide	
Display	Vertical Installation	No
Operation	Projection	Front/Upside Down
Management	Auto Screen Adjustment	
Network	Geometry Correction	Point Correction
Pen/Touch	Digital Zoom	▼
Interactive	Connect ELPCB02	Off
Multi-Projection	Touch Unit	
Memory	Remote Receiver	Off
ECO	Screen Type	16:9 ▼
Initial/All Settings	High Altitude Mode	Off
	Reset Installation Settings	
	Display	
	Pattern Display	
	Pattern Type	

- If necessary, set the projection position by using **Screen Position** from the **Installation** menu.

- 6** Change the aspect ratio if necessary
- Project images from a connected device, and then press the [Aspect] button on the remote control. Each time you press the button, you see the aspect name on the screen and the aspect ratio changes.



The aspect ratio does not change when no images are being projected from the connected device.

■ Auto Screen Adjustment

Attach corner markers to the four corners of the projection position to automatically adjust the position of the image.

Auto Screen Adjustment works correctly under the following conditions.

- Projection size: 110 inches or less
- Projector direction: Within 3° up, down, left, or right



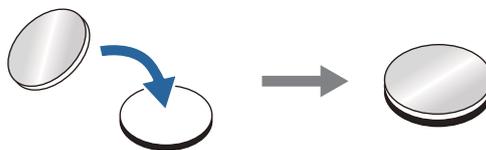
- Auto Screen Adjustment may not work properly depending on the surface of the projected screen. The following conditions are necessary to perform Auto Screen Adjustment.
 - A flat projection surface
 - No patterns, dirt, or obstacles on the projection surface
- Before performing the Auto Screen Adjustment, set the Screen Type setting first. If you change the Screen Type after performing Auto Screen Adjustment, the adjustments will be reset.

1

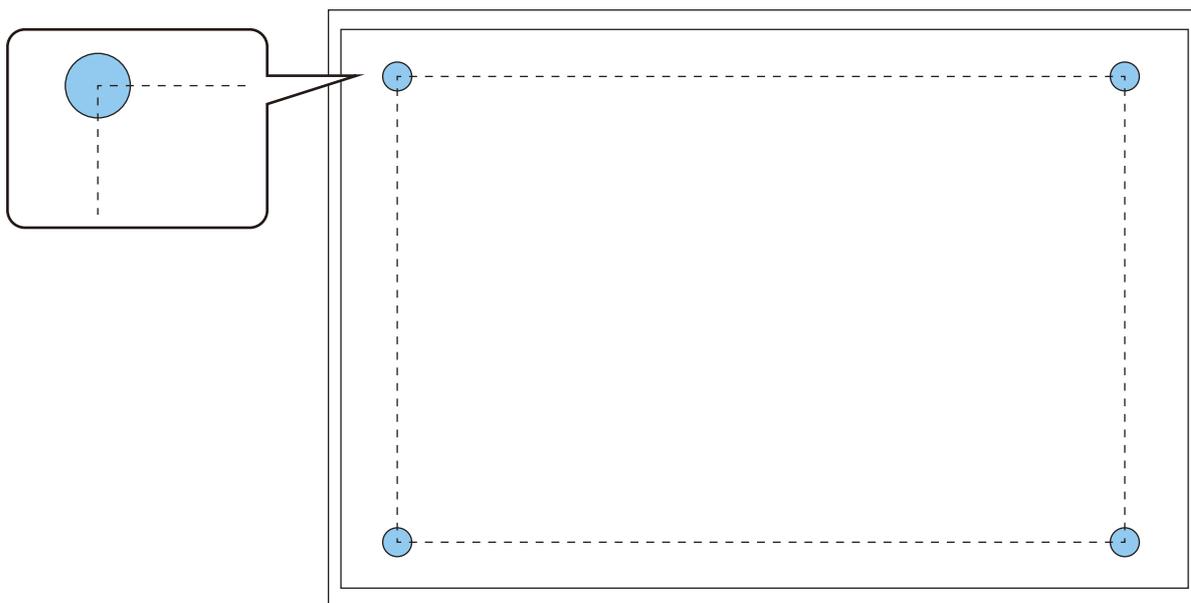
Place the corner markers at the four corners of the position you want to project to



- Corner markers cannot be placed again. We recommend marking the position where you want to place the markers in advance.
- If you want to replace markers repeatedly, stick them onto the magnetic sheet supplied.



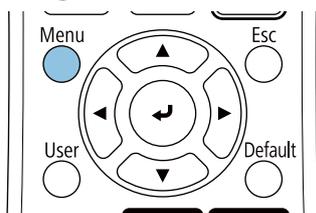
Place the markers so that the corners of the projection position overlap with the center of the corner markers.



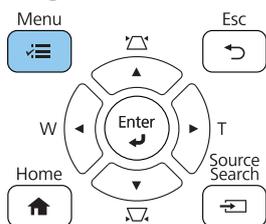
2

Press the [Menu] button

Using the Remote Control

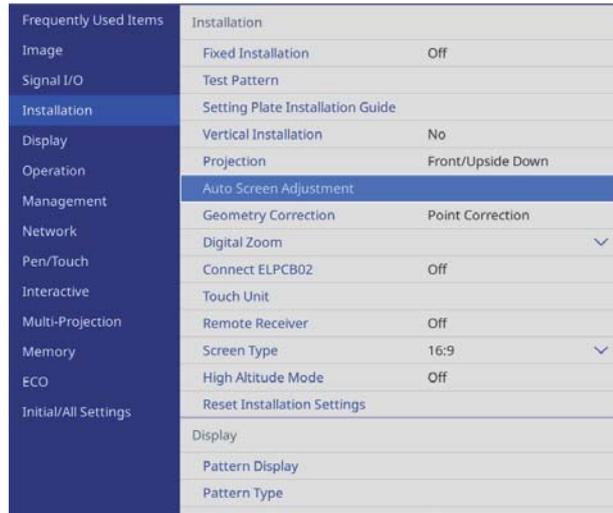


Using the Control Panel



3

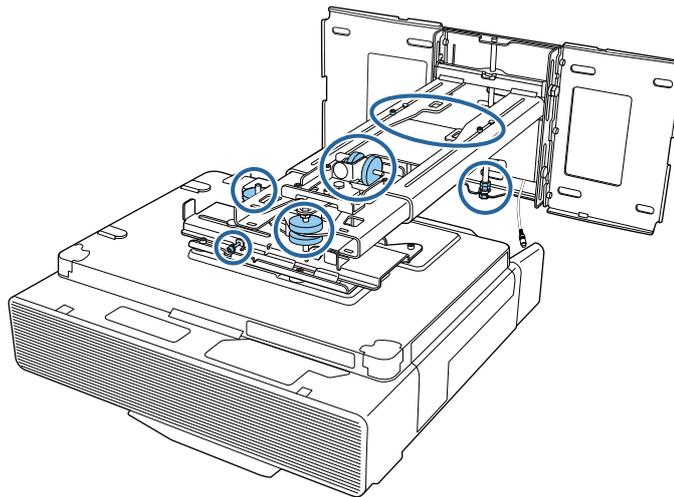
Select **Auto Screen Adjustment** from the **Installation** menu



You see the guidance screen for Auto Screen Adjustment.

4

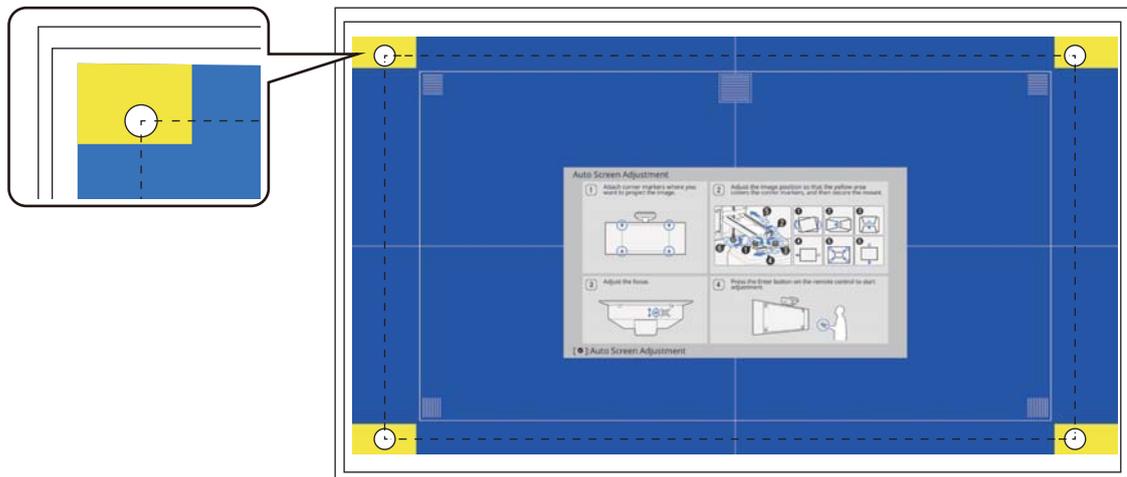
Loosen all of the adjustment dials and adjustment screws



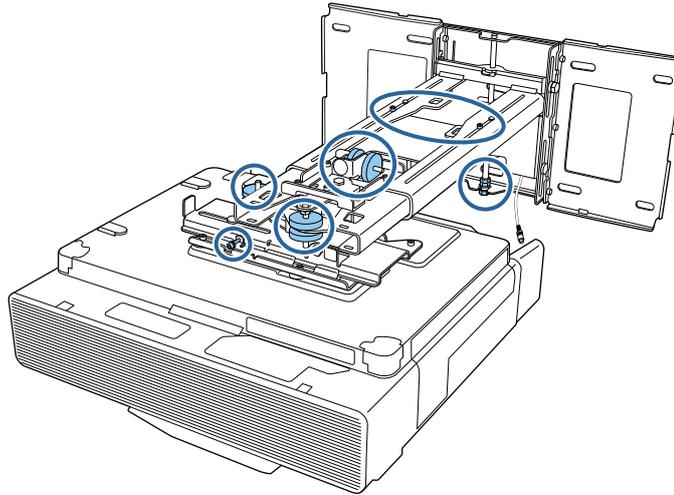
5

Move the projector to adjust the position of the image so that the yellow areas at the four corners of the guidance screen overlap with the corner markers

Make sure that all of the corner markers are within the yellow areas.



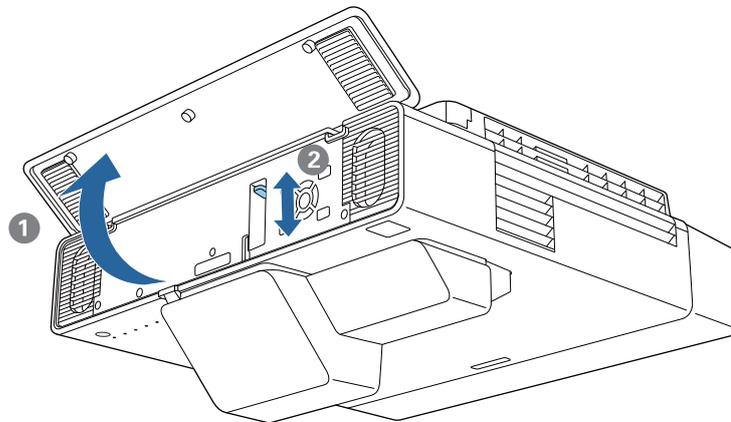
- 6 When you determine the position, tighten all of the adjustment dials and adjustment screws that you loosened in step 4



 **Warning**

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

- 7 Open the projector's front cover, and then adjust the focus using the focus lever



- 8 Press the [Enter] button to start auto adjustment

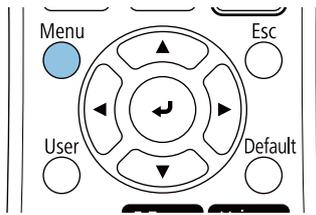
When auto adjustment is complete, use Quick Corner (p.53) to make further adjustments. Using Arc Correction or Point Correction returns the image to the status before auto correction was performed.

 Performing mechanical adjustment using the Setting Plate Installation Guide

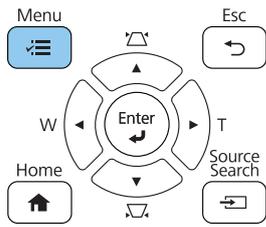
Use the guidance screen to adjust the position of the image.

1 Press the [Menu] button

Using the Remote Control



Using the Control Panel

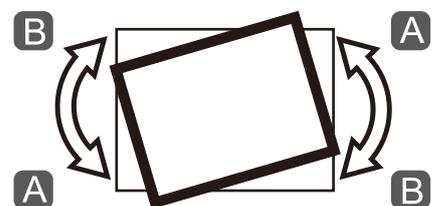
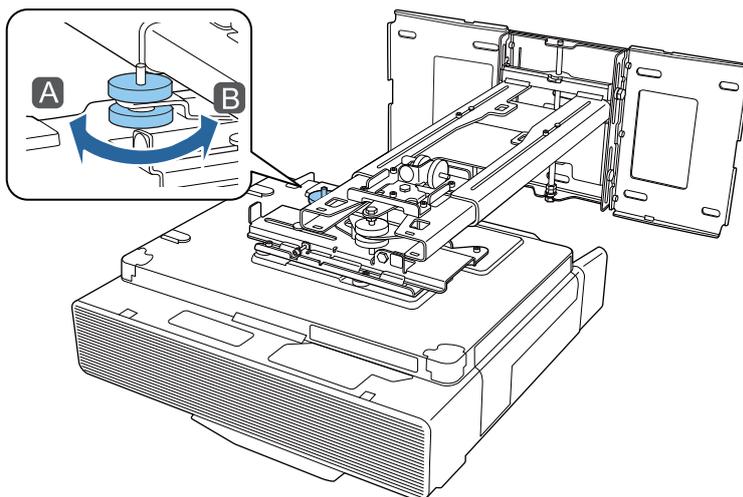


2 Select **Setting Plate Installation Guide** from the **Installation** menu

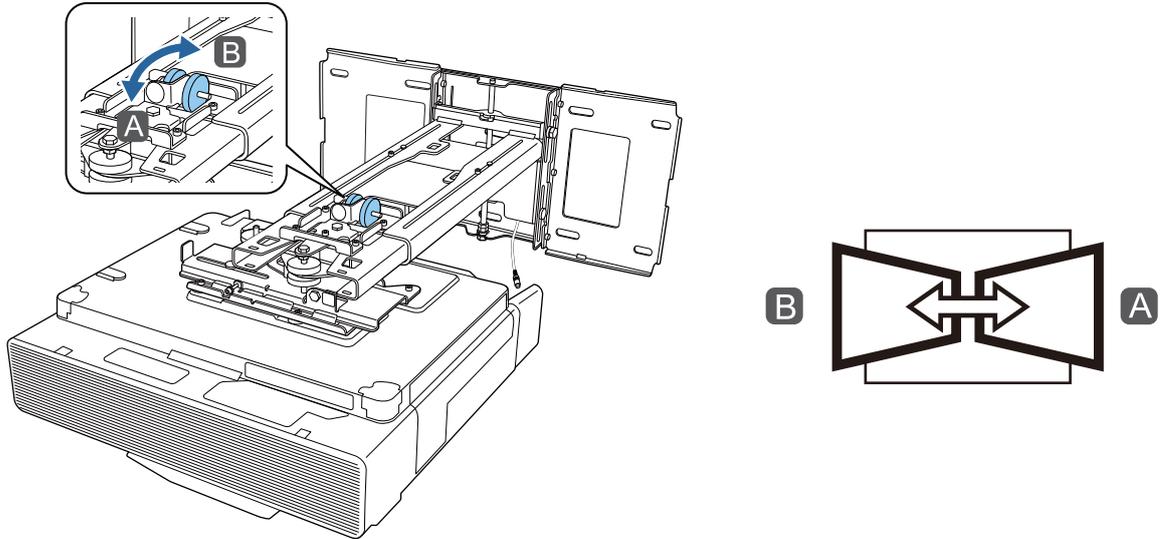
Frequently Used Items	Installation	
Image	Fixed Installation	Off
Signal I/O	Test Pattern	
Installation	Setting Plate Installation Guide	
Display	Vertical Installation	No
Operation	Projection	Front/Upside Down
Management	Auto Screen Adjustment	
Network	Geometry Correction	Point Correction
Pen/Touch	Digital Zoom	
Interactive	Connect ELPCB02	Off
Multi-Projection	Touch Unit	
Memory	Remote Receiver	Off
ECO	Screen Type	16:9
Initial/All Settings	High Altitude Mode	Off
	Reset Installation Settings	
	Display	
	Pattern Display	
	Pattern Type	

You see the guidance screen.

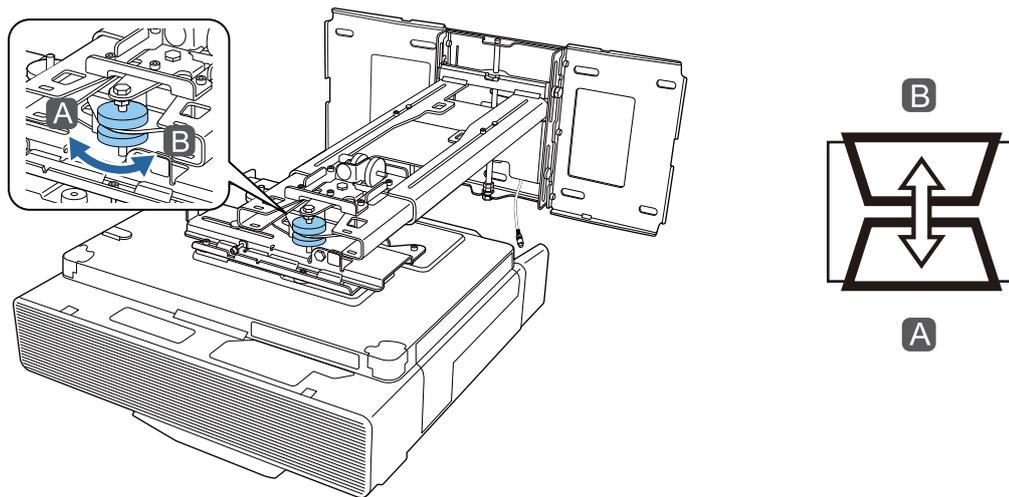
3 Turn the adjustment dial **1** in the installation guide to adjust the horizontal roll



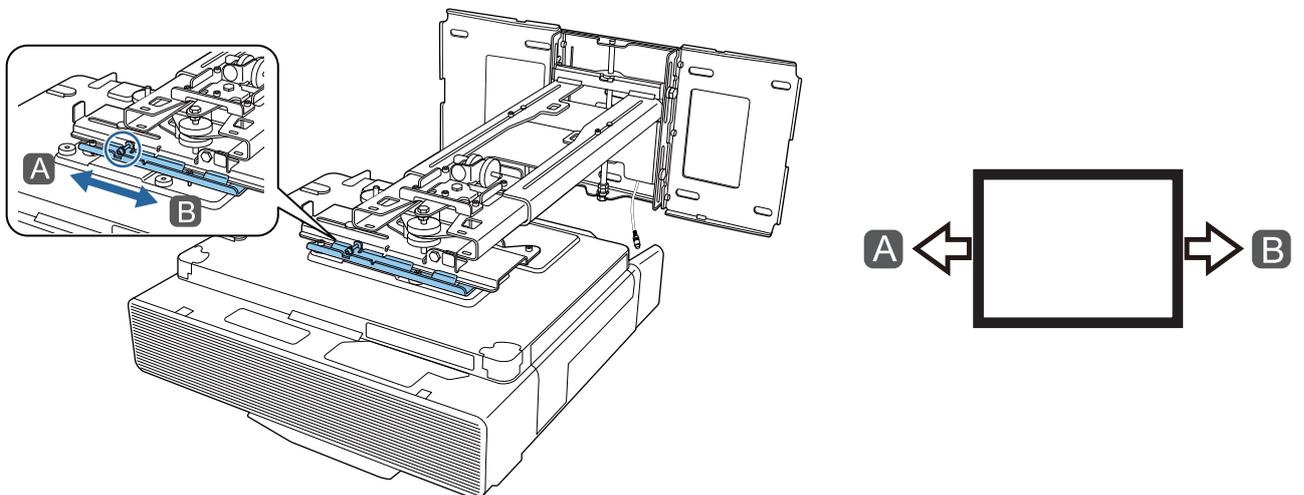
- 4 Loosen the M4 screw, and then turn the adjustment dial ② in the installation guide to adjust the horizontal rotation



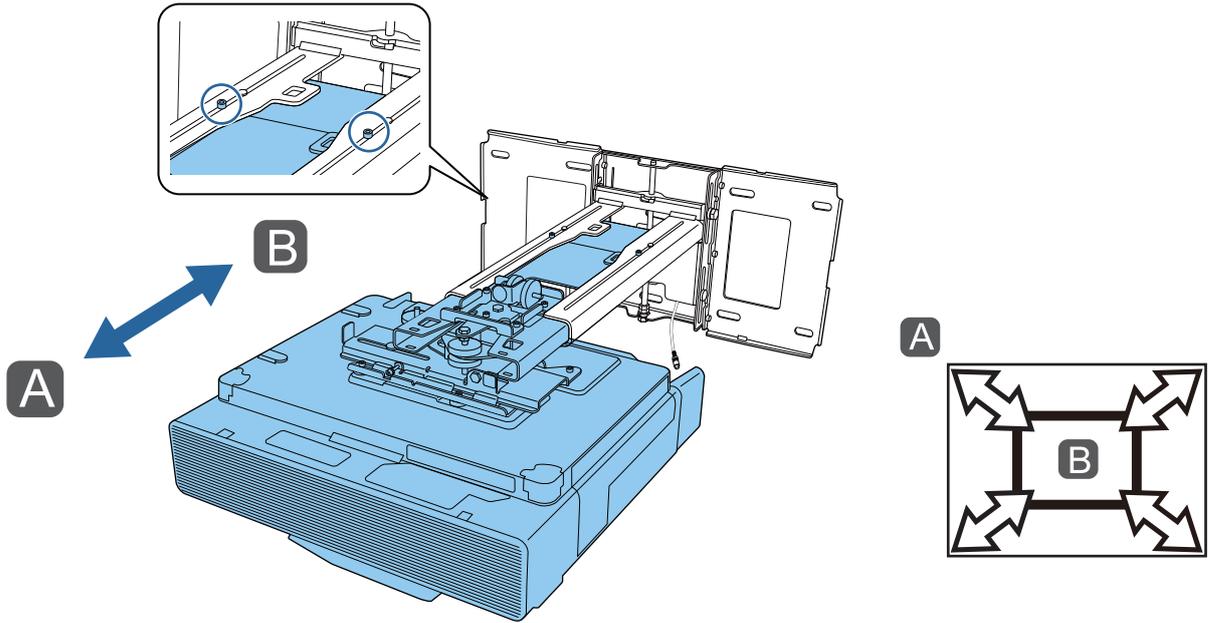
- 5 Turn the adjustment dial ③ in the installation guide to adjust the vertical tilt



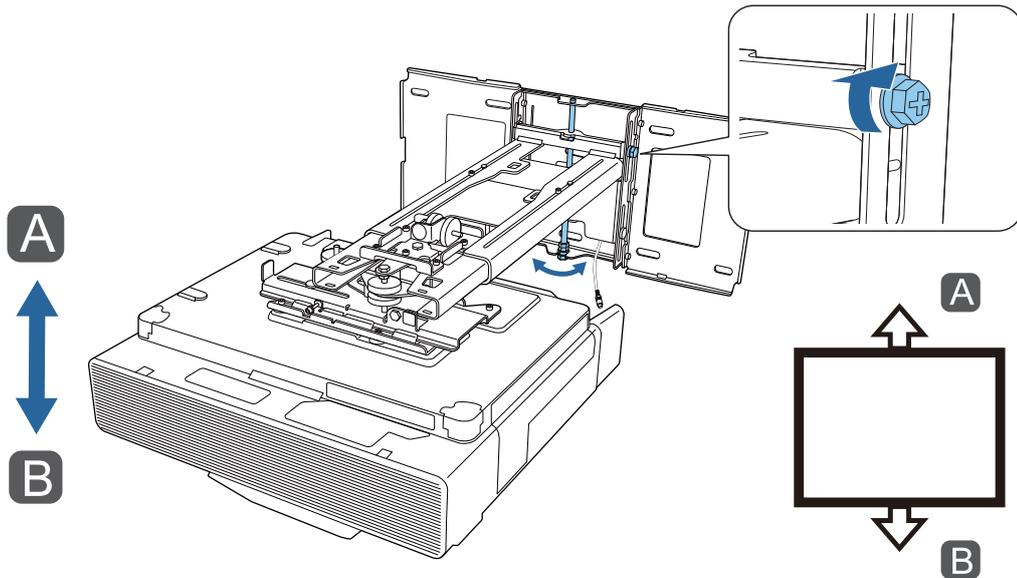
- 6 Loosen the M4 bolt, and then adjust the horizontal slide



7 Loosen the M4 bolts (x2), and then adjust the forward/backward slide



8 Loosen the M6 bolt, and then adjust the vertical slide



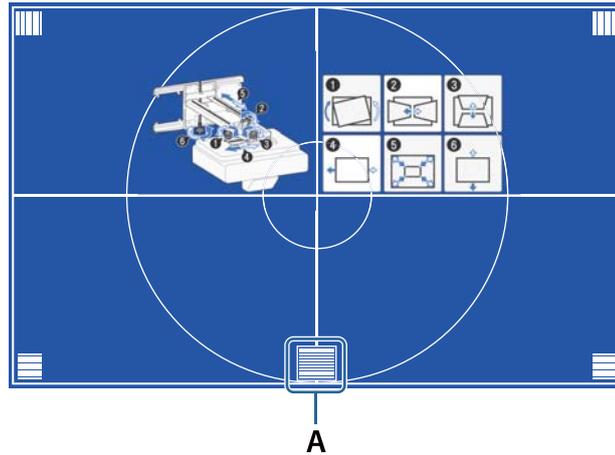
9 Re-tighten the screws and bolts that you loosened in steps 3 to 8

 **Warning**

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

10

Adjust the focus of position A in the following figure



11

When you have finished making adjustments, press the [Esc] button on the remote control or the control panel to exit the guidance screen

Adjusting using the projector menus



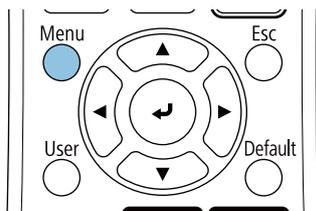
- You can save adjusted values in **Memory** from the **Geometry Correction** menu.
- Before performing the adjustment, set the Screen Type and Screen Position settings first. If you change the Screen Type or Screen Position after making corrections, the corrections will be reset.

Arc Correction

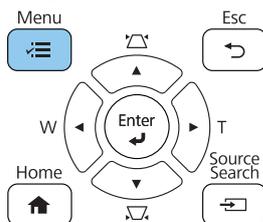
1

Press the [Menu] button

Using the Remote Control



Using the Control Panel



2

Select **Geometry Correction** from the **Installation** menu

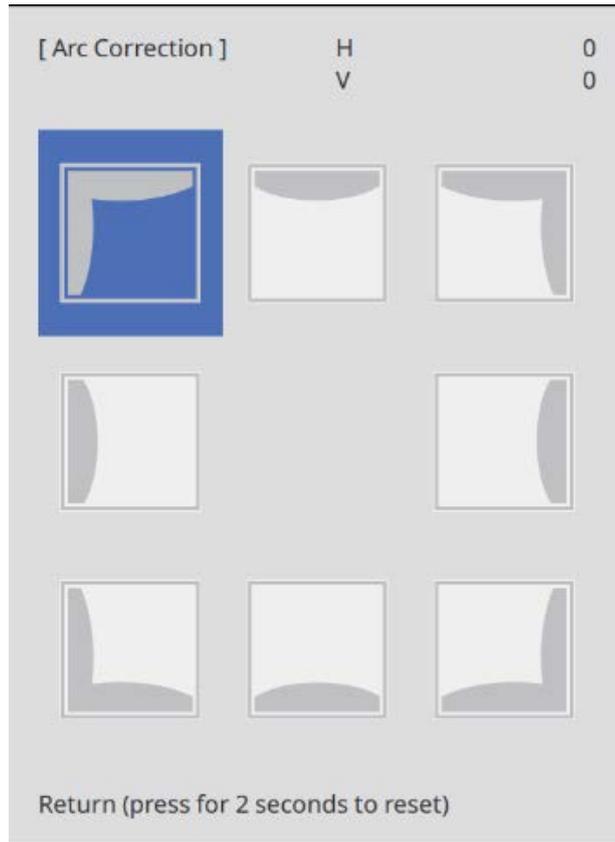
Frequently Used Items	Installation
Image	Fixed Installation Off
Signal I/O	Test Pattern
Installation	Setting Plate Installation Guide
Display	Vertical Installation No
Operation	Projection Front/Upside Down
Management	Auto Screen Adjustment
Network	Geometry Correction Point Correction
Pen/Touch	Digital Zoom
Interactive	Connect ELPCB02 Off
Multi-Projection	Touch Unit
Memory	Remote Receiver Off
ECO	Screen Type 16:9
Initial/All Settings	High Altitude Mode Off
	Reset Installation Settings
	Display
	Pattern Display
	Pattern Type

3

Select **Arc Correction**

[Geometry Correction]	Return
H/V-Keystone	
Quick Corner	
✓ Arc Correction	
Point Correction	
Memory	

4 Select the side you want to correct and make adjustment

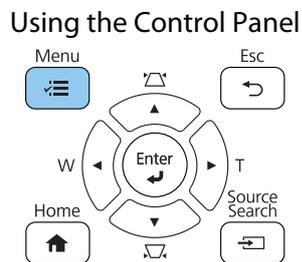
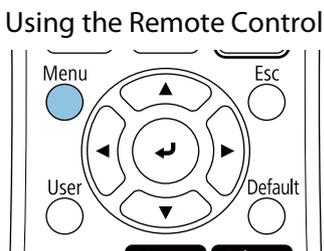


When you reach a range that cannot be adjusted, you see the message **Cannot adjust any further.** displayed.

5 When you have finished making adjustments, press the [Esc] button on the remote control or the control panel to finish adjustment

Quick Corner

1 Press the [Menu] button



2

Select **Geometry Correction** from the **Installation** menu

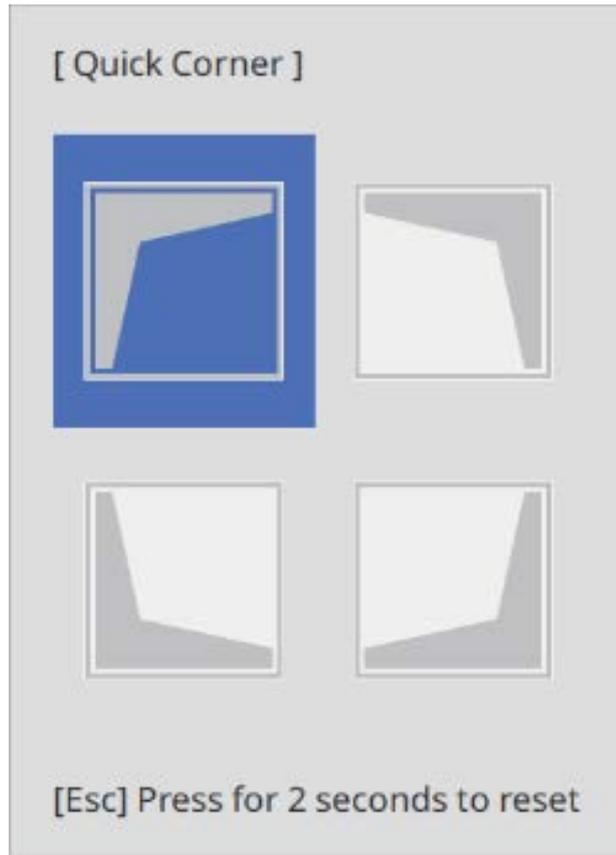
Frequently Used Items	Installation
Image	Fixed Installation Off
Signal I/O	Test Pattern
Installation	Setting Plate Installation Guide
Display	Vertical Installation No
Operation	Projection Front/Upside Down
Management	Auto Screen Adjustment
Network	Geometry Correction Point Correction
Pen/Touch	Digital Zoom
Interactive	Connect ELPCB02 Off
Multi-Projection	Touch Unit
Memory	Remote Receiver Off
ECO	Screen Type 16:9
Initial/All Settings	High Altitude Mode Off
	Reset Installation Settings
	Display
	Pattern Display
	Pattern Type

3

Select **Quick Corner**

[Geometry Correction]	Return
H/V-Keystone	
✓ Quick Corner	
Arc Correction	
Point Correction	
Memory	

4 Select the side you want to correct and make adjustment



When you reach a range that cannot be adjusted, you see the message **Cannot adjust any further.** displayed.

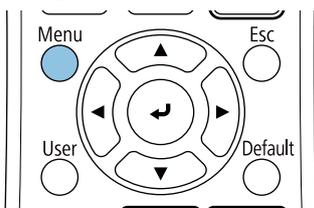
 While adjusting the sides, press buttons [1], [3], [7], and [9] on the remote control to select the side you want to adjust.

5 When you have finished making adjustments, press the [Esc] button on the remote control or the control panel to finish adjustment

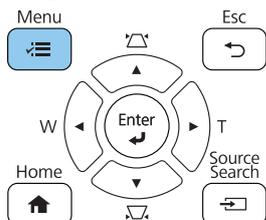
Point Correction

1 Press the [Menu] button

Using the Remote Control



Using the Control Panel



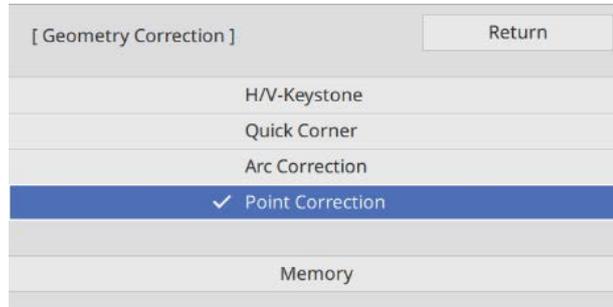
2

Select **Geometry Correction** from the **Installation** menu



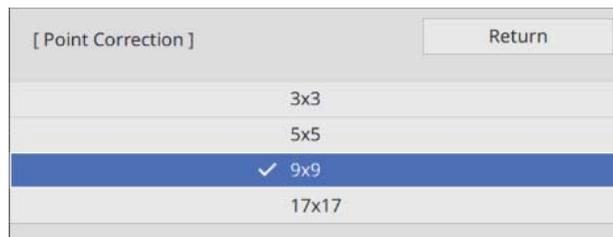
3

Select **Point Correction**



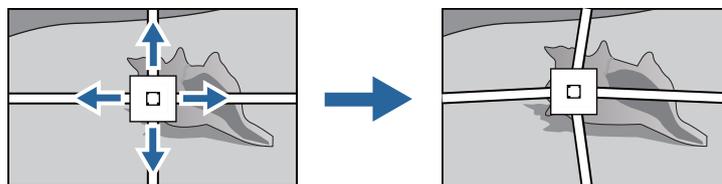
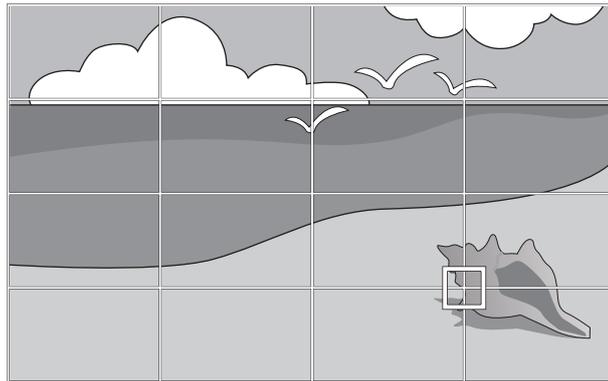
4

Select **Point Correction** and then select the number of grid



5

Select the points you want to correct and make adjustment



If it is hard to see the grid, use **Pattern Color** to change the color of the grid.

6

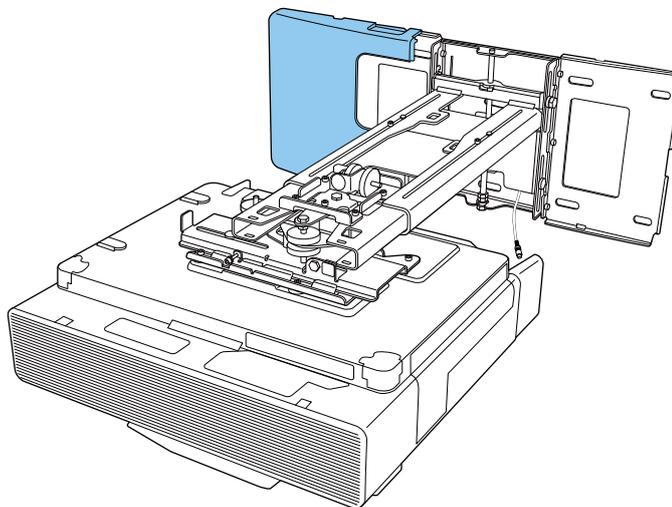
When you have finished making adjustments, press the [Esc] button on the remote control or the control panel to finish adjustment

Attaching the covers

Prepare the wall plate covers and end cap you removed.

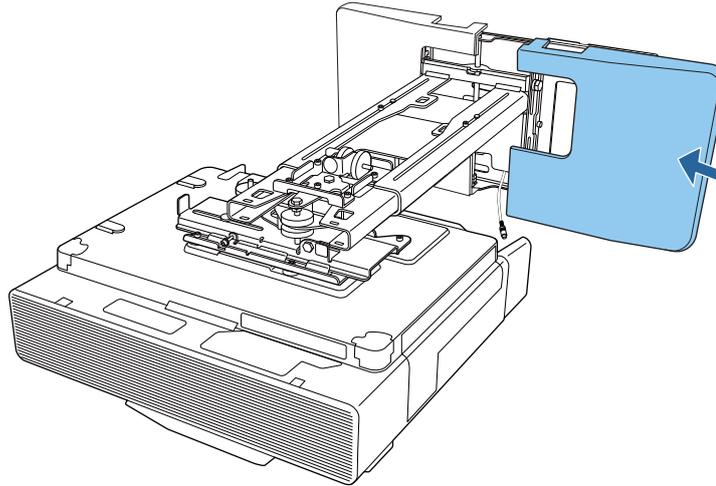
1

Attach the left wall plate cover



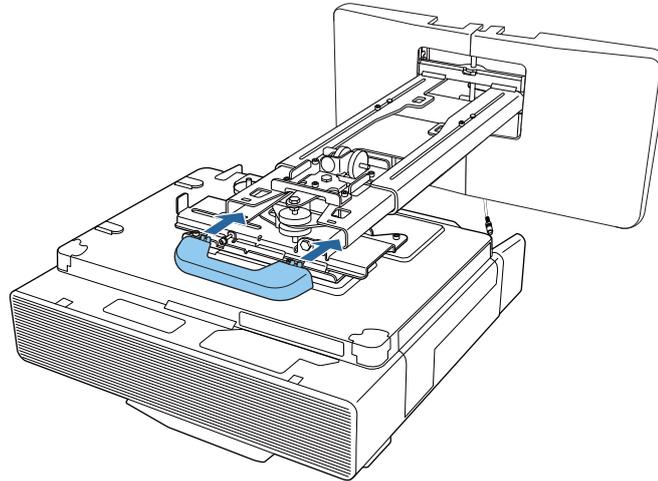
2

Attach the right wall plate cover

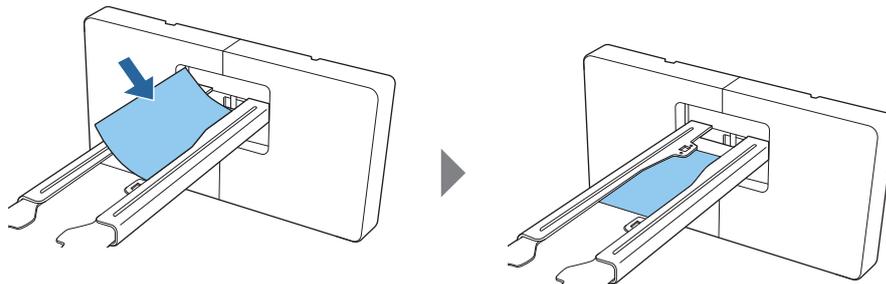


3

Fit the end cap to the setting plate

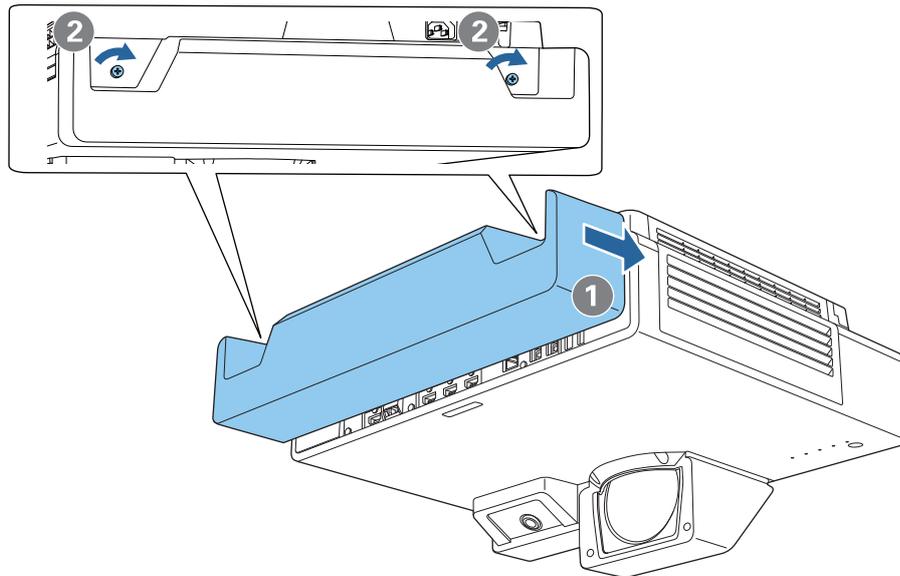


If you are concerned about the groove in the arm, stick the supplied masking sticker.



4

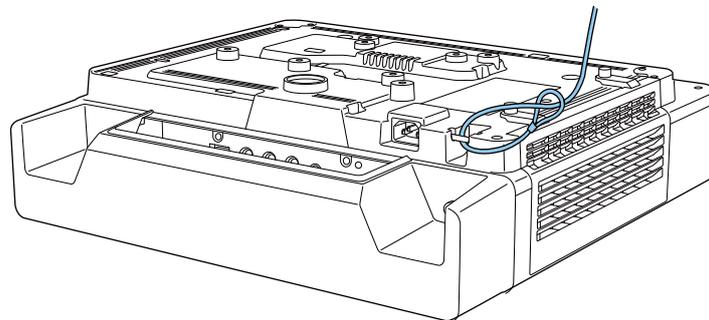
Attach the cable cover to the projector, and then secure it with the screws (x2)



Attaching a Security Cable

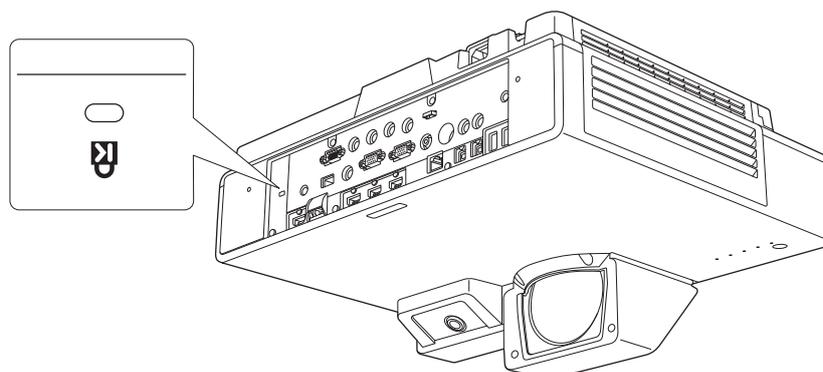
Perform one of the following security measures if necessary.

- Install a commercially available theft-prevention wire lock
Pass the wire lock through the security cable installation points on the projector and the setting plate.



- Install a security wire from Kensington
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/>



Notes on the Pen Stand

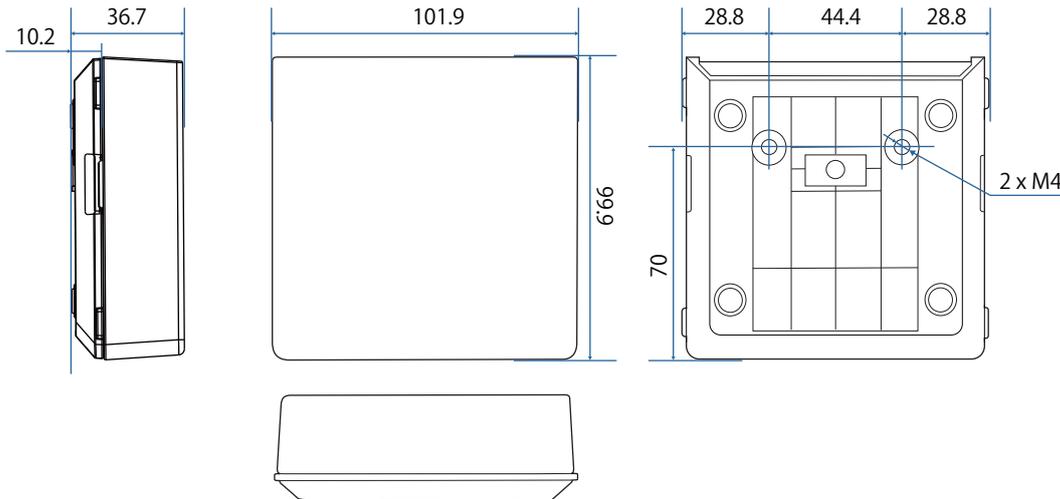
 Warning	
<p>Do not go near the pen stand if you are using medical equipment such as a pace maker. Furthermore, when using the pen stand, make sure there is no one using medical equipment such as a pace maker, in the surrounding area.</p> <p>A powerful magnet within the unit generates electromagnetic interference which may cause medical equipment to malfunction.</p>	
 Caution	
<p>Do not go near the pen stand with magnetic storage media such as magnetic cards, or precision electronic devices such as computers, digital watches, or mobile phones.</p> <p>A powerful magnet within the unit could corrupt data or cause a malfunction.</p>	
<p>The magnet on the back of the pen stand exerts a powerful magnetic attraction on the installation surface. When installing, be careful not to trap your fingers or any other part of your body between the magnets and the installation surface.</p>	

Pen Stand Specifications

Item	Specification
Pen stand mass	Approx. 93 g

External dimensions

[Unit: mm]

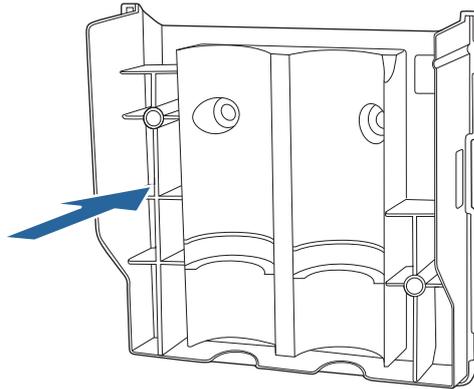


Installing the Pen Stand

Secure the pen stand with magnets or commercially available M4 screws.

When securing with magnets

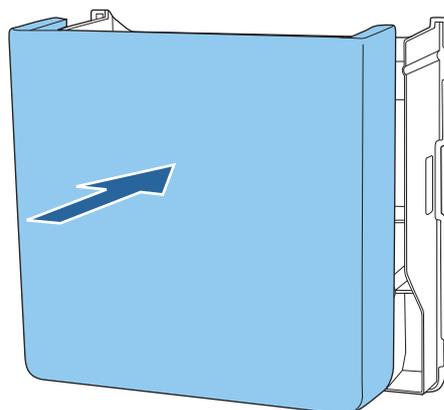
1 Check the installation position and secure with magnets



 **Caution**

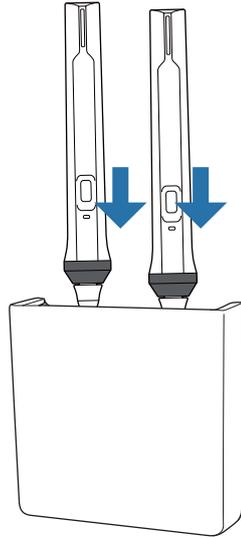
Powerful magnets are used which can cause injury if you trap your fingers. Be careful not to trap your fingers or any other part of your body between the magnets and the installation surface.

2 Attach the cover



3

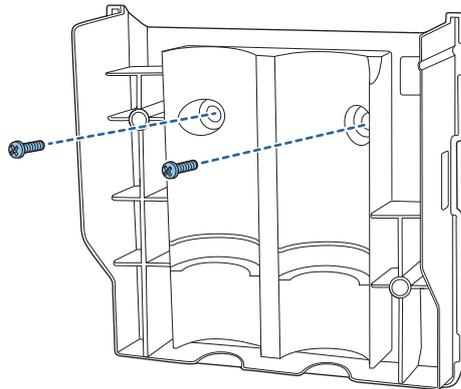
Store the interactive pens



When securing with screws

1

Check the installation position and secure with commercially available M4 screws (20 mm x2)

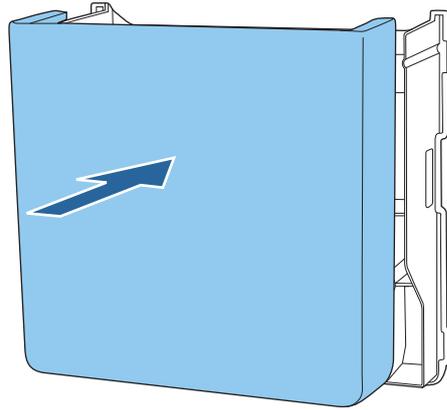


Warning

- When screwing, make sure they are not tilted at an angle to the installation surface.
- Make sure that the pen stand is secured properly.

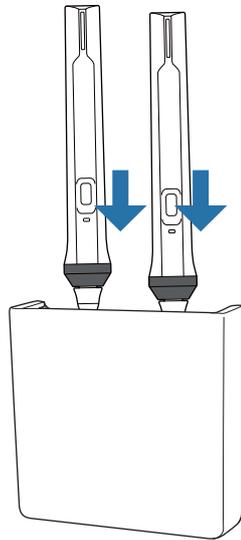
2

Attach the cover



3

Store the interactive pens



Calibrating the Interactive Pen

Adjust the projector's image before calibrating the pen.

There are two methods available for calibrating the pen; **Auto Calibration** and **Manual Calibration**.

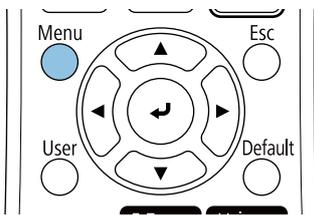
When calibrating the pen for the first time, perform **Manual Calibration** for optimum calibration.

When calibrating the pen for the second time and after, perform **Auto Calibration**. (p.67)

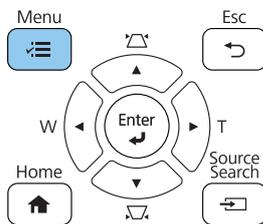
Manual Calibration

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

Using the Remote Control



Using the Control Panel

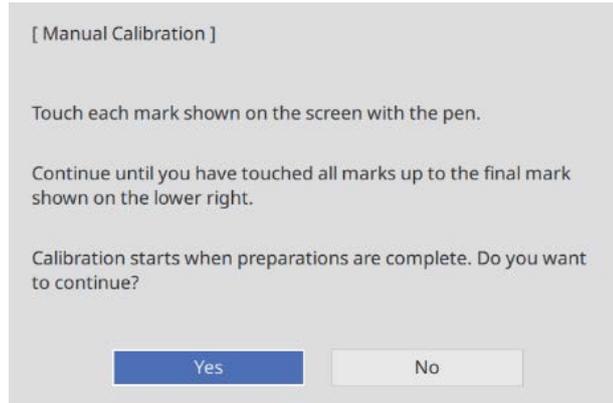


2 Select **Manual Calibration** from the **Pen/Touch** menu.

Frequently Used Items	Pen/Touch
Image	Auto Calibration
Signal I/O	Manual Calibration
Installation	Touch Unit
Display	Installation of Projectors
Operation	Pen Hovering On
Management	PC Interactivity
Network	Reset Pen/Touch Settings
Pen/Touch	Interactive
Interactive	Drawing Function On
Multi-Projection	Display Toolbars Always Show
Memory	Display Drawing Area
ECO	Confirm Clear Screen On
Initial/All Settings	Pen Button Function Eraser
	Display Clock Date & Time ^
	Date YYYY-MM-DD
	Time HH:MM
	Print

3

Check the screen content, and then select **Yes**

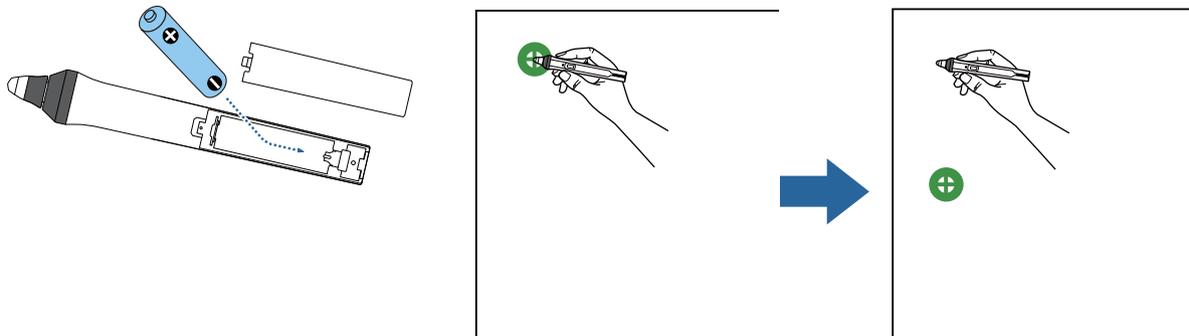


You see a green dot at the top left of the projection screen.

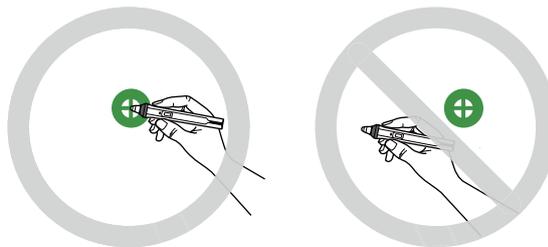
4

Touch the center of the dot with the pen tip of the interactive pen

The dot disappears and moves to the next position.

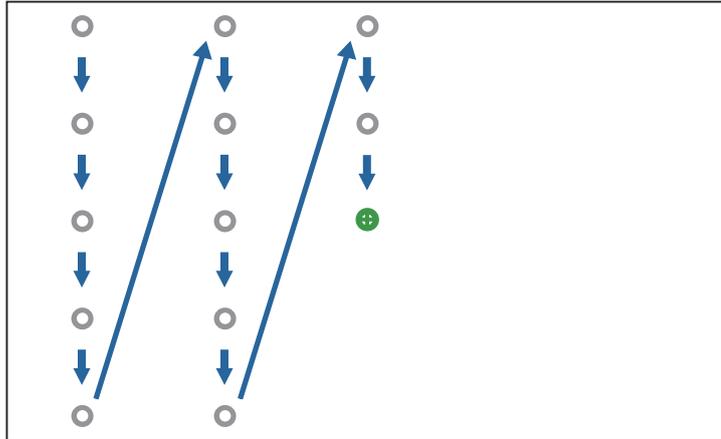


Make sure you touch the center of the dot. Otherwise, it may not be positioned correctly.



5 Repeat step 4 until all of the dots disappear

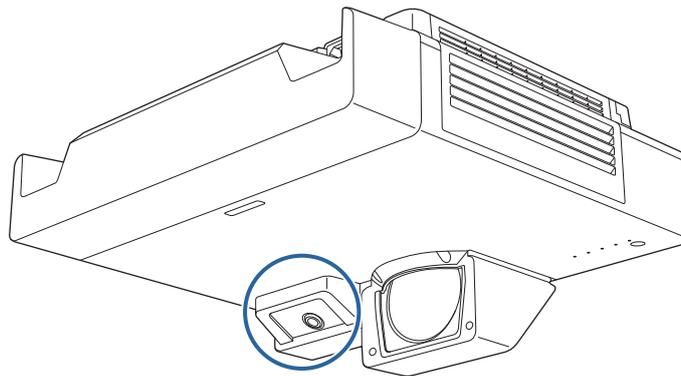
The dot appears at the top left first and then moves towards the bottom right.



When all of the dots disappear, Manual Calibration is complete.



- Check that there are no obstacles between the interactive pen and the Interactive pen receiver (shown below).

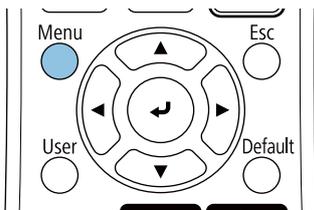


- If you touch the wrong position, press the [Esc] button on the remote control to return to the previous dot.
- To cancel calibration, hold down the [Esc] button for two seconds.

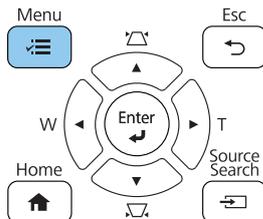
Auto Calibration

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

Using the Remote Control

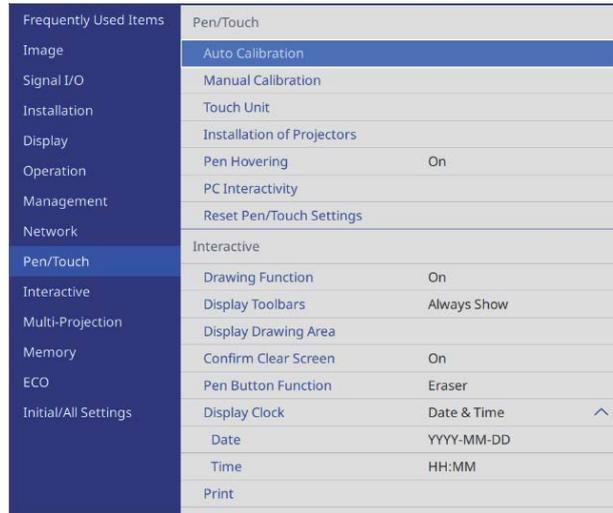


Using the Control Panel



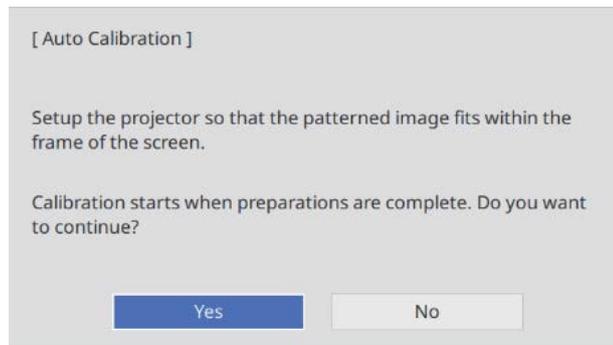
2

Select **Auto Calibration** from the **Pen/Touch** menu



3

Check that the pattern image fits into the projected image, and then select **Yes**



Pen calibration starts automatically.



If Auto Calibration fails, follow the on-screen instructions to check your surroundings. Or, perform **Manual Calibration**.

Notes on handling the Touch Unit

 Warning	
<p>Do not disassemble or remodel the Touch Unit.</p> <p>The Touch Unit contains a high power laser product that could cause a fire, electric shock, or an accident.</p>	
<p>Only connect the Touch Unit to the EB-1480Fi or . Do not connect it to any other projectors or devices.</p> <p>The device could malfunction, or laser light that is higher than normal intensity could be emitted.</p>	
<p>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.</p> <p>A powerful magnet within the unit generates electromagnetic interference which may cause medical equipment to malfunction.</p>	
 Caution	
<p>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.</p> <p>A powerful magnet within the unit could corrupt data or cause a malfunction.</p>	
<p>The magnet on the back of the Touch Unit exerts a powerful magnetic attraction on the installation surface. When installing, be careful not to trap your fingers or any other part of your body between the magnets and the installation surface.</p>	
<p>Do not disassemble the Touch Unit when disposing of it.</p> <p>Dispose according to your local or national laws and regulations.</p>	

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

Supplier's DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15

Other Class B digital devices & peripherals

We: Epson America, Inc.
Located at: 3840 Kilroy Airport Way
Long Beach, CA 90806
Tel: 562-981-3840

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR 2.906. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: EPSON
Type of Product: FINGER TOUCH UNIT
Model: EAI destination: ELPFT01
Other destination: ---

**FCC Compliance Statement
For United States Users**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

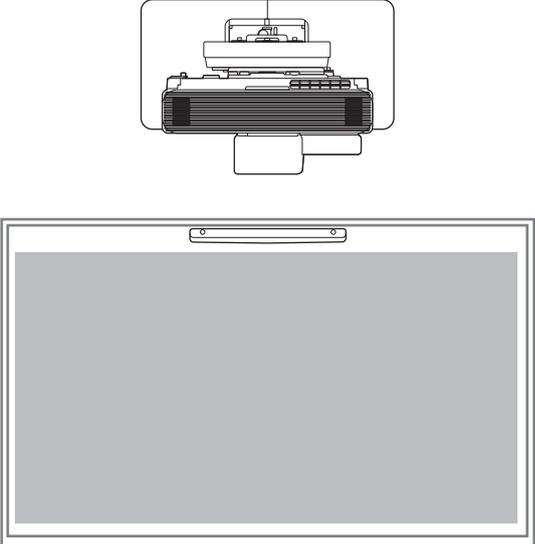
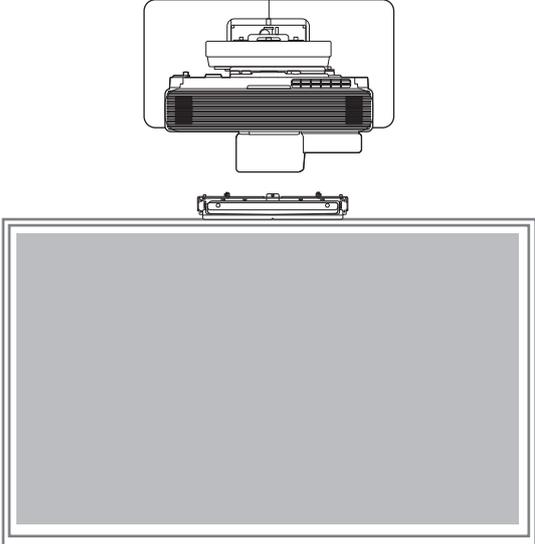
The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

CAN ICES-3 (B) / NMB-3 (B)

Touch Unit installation location

The procedure differs depending on where the Touch Unit is installed.

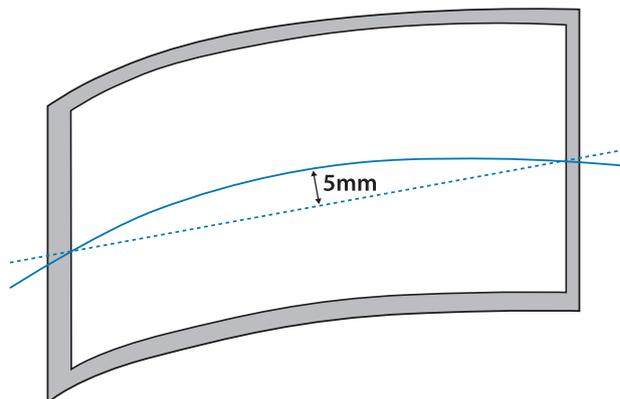
When installed on the projection surface: Secure with magnets or screws	When installed on a different surface: Secure with the Touch Unit Bracket
	

 Caution

When using the Touch Unit, images should be projected onto the front of the screen. You cannot use finger touch operations when images are projected onto the rear of the screen.



Before installing the Touch Unit, make sure that the installation surface is not warped or distorted, and that any unevenness on the screen surface is less than 5 mm.



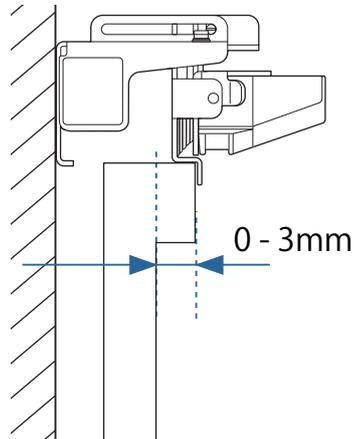
Notes on the Touch Unit Bracket

 Caution

If there is a frame around the screen, make sure that the thickness of the top of the frame is less than 3 mm.



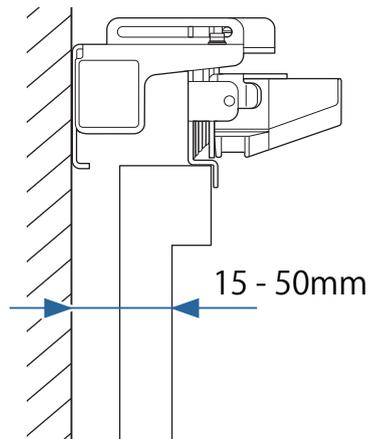
If the thickness of the top of the screen exceeds 3 mm, the Touch Unit will not operate correctly.



Make sure that the distance from the wall to the surface of the screen is less than 50 mm.



You cannot install the Touch Unit Bracket if the distance is more than 50 mm.



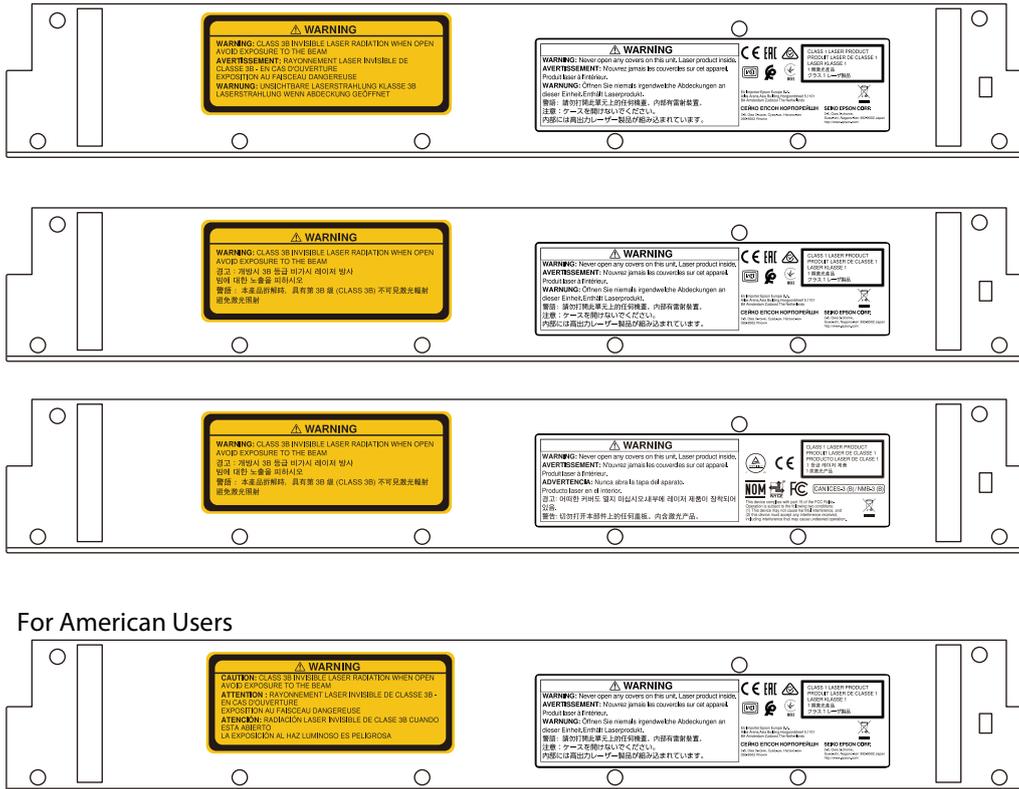
Notes on the Laser

Attached labels

The Touch Unit is a Class 1 laser product that conforms to the IEC/EN60825-1:2014 standard.

The Touch Unit is a Class 1 laser product that conforms to the IEC/EN60825-1:2007 standard. (For North/South America.)

There are warning labels affixed to the Touch Unit to indicate that it is a Class 1 laser product.



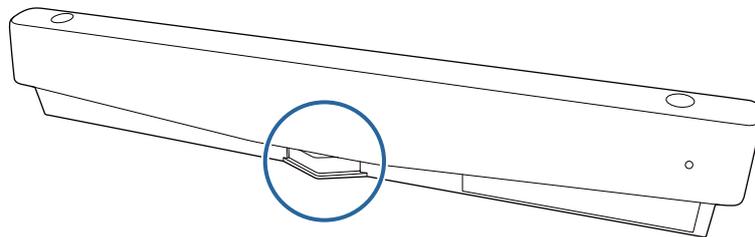
For American Users

The labels contain the following information.

- Class 1 laser product
- Warning: Do not open the case. The device contains a high power laser product.
- Warning:
 - Caution: If this section is opened, class 3B invisible laser radiation will be emitted.
 - Avoid exposure to the radiation beams.

Laser diffusion port

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



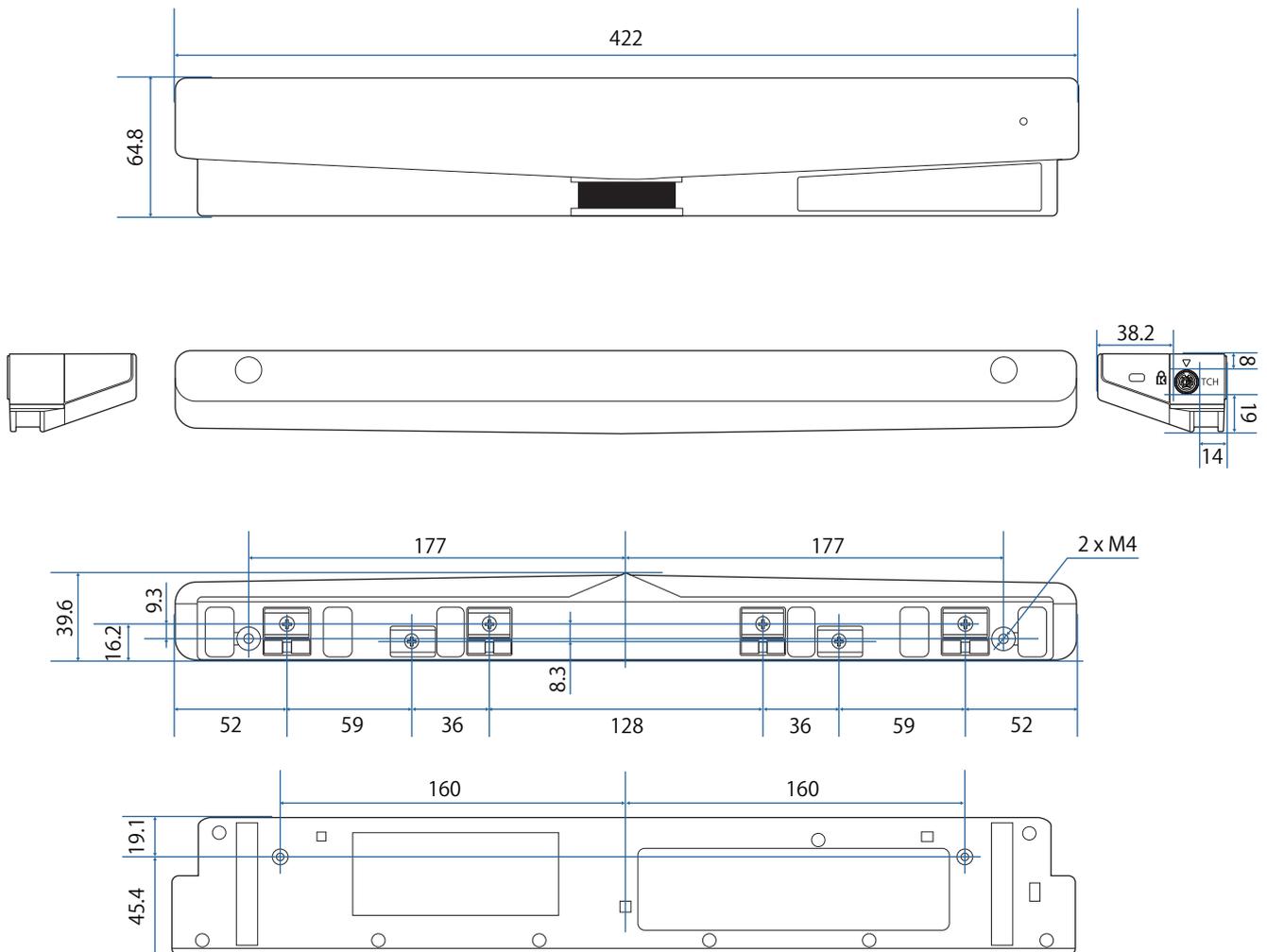
- Light source output: Max. 285 W

- Wavelength: 932 to 952 nm

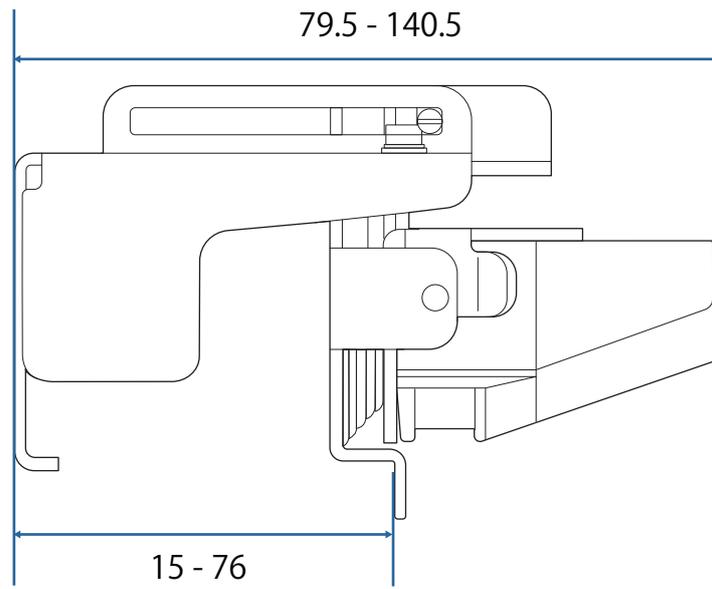
Touch Unit Specifications

Item	Specification
Touch unit mass	Approx. 0.6 kg
Operating temperature	0 to 40°C
Power (supplied from the projector)	5 VDC 0.65 A

External dimensions

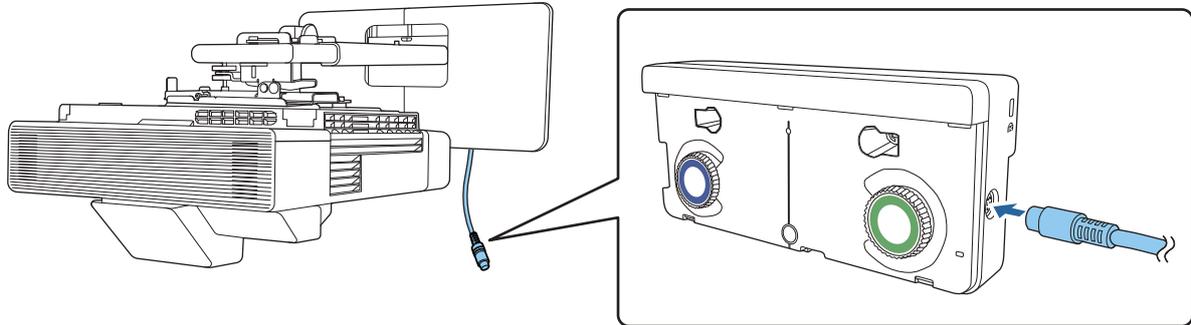


Adjustment range



When using an older model of Touch Unit

Touch Units that have been used with previous projector models can be connected to the EB-1480Fi and used again.



After connecting, follow the steps below to setup the Touch Unit.

- 1** Turn on the Touch Unit (☞ p.89)
- 2** Adjust the Angle of the Laser (☞ p.90)
- 3** Perform Touch Calibration (☞ p.98)

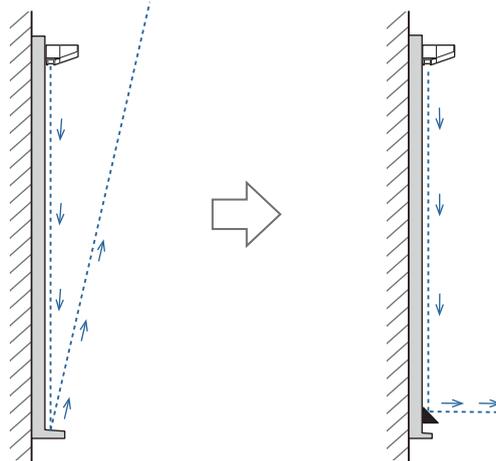


When infrared deflectors are attached to the projection surface, use it without removing them.

Installing the Touch Unit

Installing the infrared deflectors

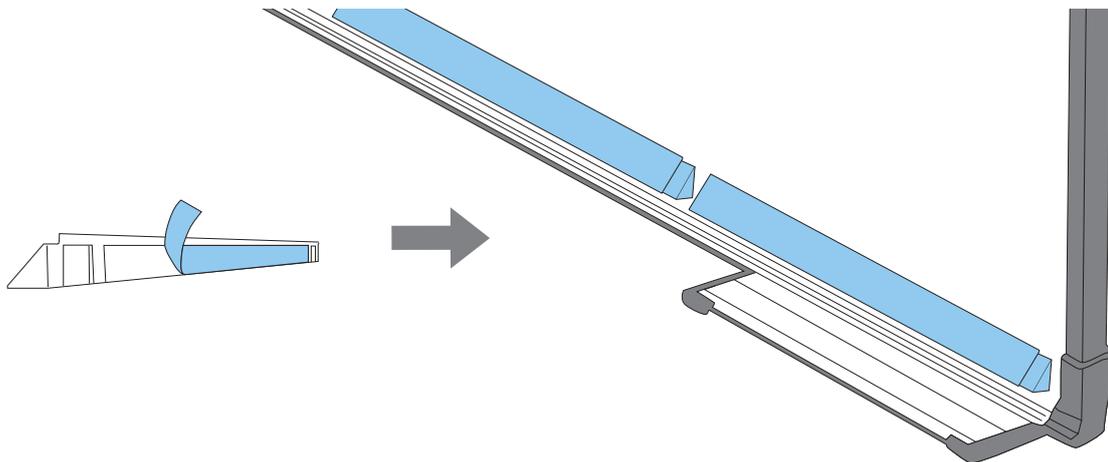
Stick the infrared deflectors to any obstacles, such as a frame or tray, at the bottom of the projection surface. If there are any obstacles, the laser is reflected as shown below, and the location of your finger will not be detected correctly.



If you have already attached infrared deflectors to the projection surface, use it without removing them.

1

Stick the supplied infrared deflectors along the locations of the obstacles

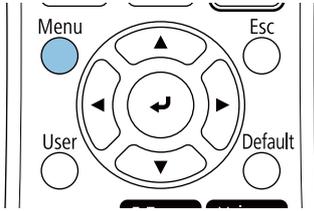


Installing the Touch Unit

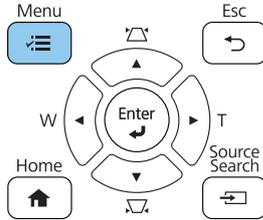
■ When installing on the projection surface without using the Touch Unit Bracket

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

Using the Remote Control



Using the Control Panel



2 Select **Touch Unit** from the **Installation** menu

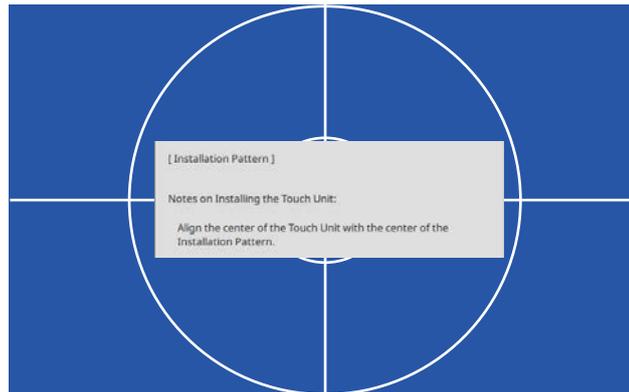
Frequently Used Items	Installation
Image	Fixed Installation Off
Signal I/O	Test Pattern
Installation	Setting Plate Installation Guide
Display	Vertical Installation No
Operation	Projection Front/Upside Down
Management	Auto Screen Adjustment
Network	Geometry Correction Point Correction
Pen/Touch	Digital Zoom
Interactive	Connect ELPCB02 Off
Multi-Projection	Touch Unit
Memory	Remote Receiver Off
ECO	Screen Type 16:9
Initial/All Settings	High Altitude Mode Off
	Reset Installation Settings
	Display
	Pattern Display
	Pattern Type

3

Select **Installation Pattern**

[Touch Unit]		Return
Installation Pattern		
Power	On	
Touch Unit Setup		
Touch Calibration		
Calibration Range	Wide	

You see the installation pattern on the projected image.



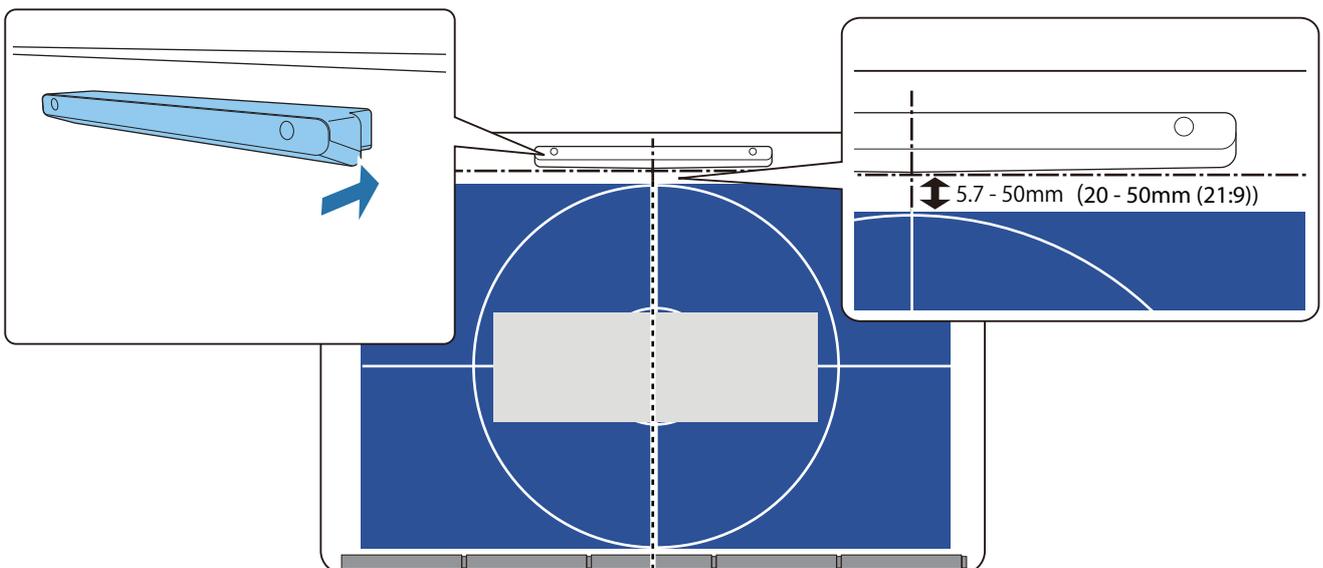
4

When installing on a magnetic surface, check the installation position and attach the touch unit with magnets

When installing on a non-magnetic surface, go to the next step.

Caution

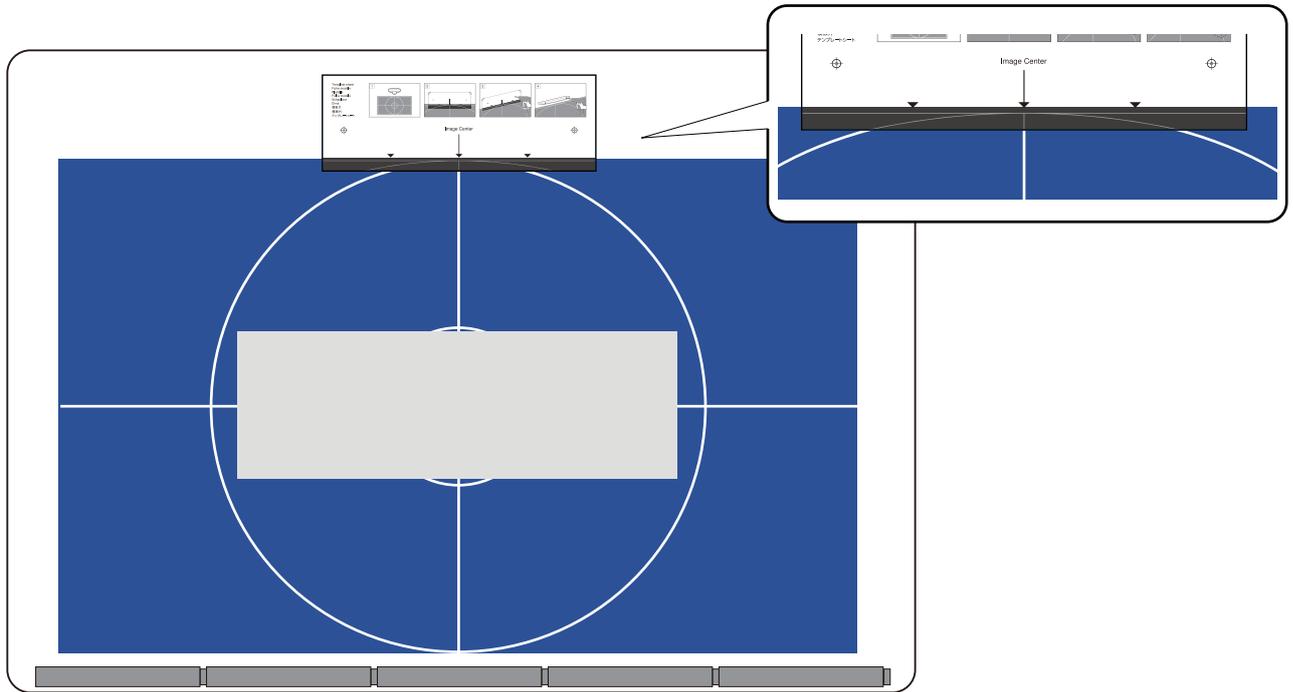
Powerful magnets are used which can cause injury if you trap your fingers. Be careful not to trap your fingers or any other part of your body between the magnets and the installation surface.



After you attach the Touch Unit, go to "Turning on the Touch Unit" [p.89](#).

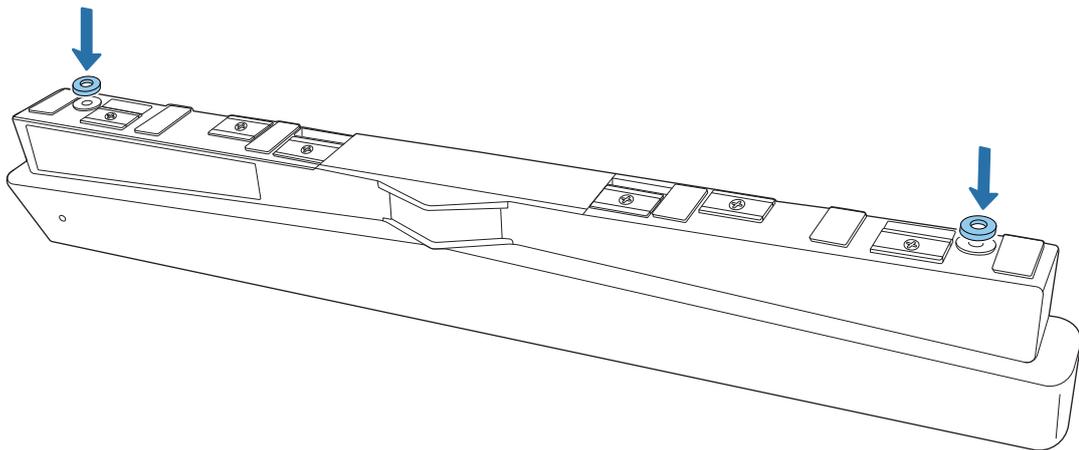
5 When installing on a non-magnetic surface, attach the template sheet to the Touch Unit installation position

As shown below, attach the bottom of the template sheet onto the installation pattern.

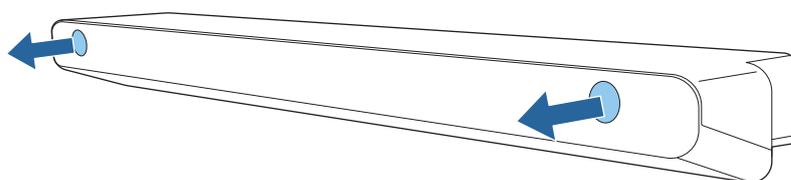


6 Drill holes in the installation surface, and then remove the template sheet

7 Attach the spacers supplied (x2) to the screw holes on the back of the Touch Unit

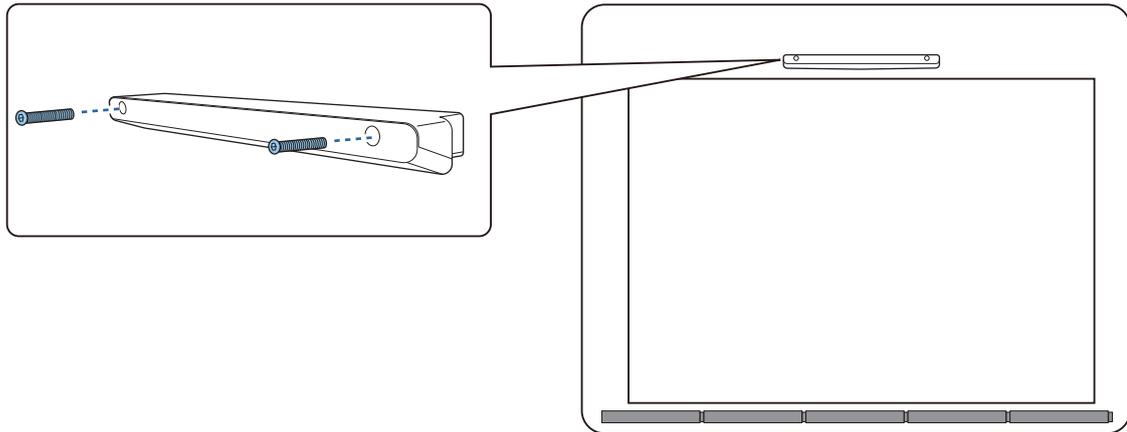


8 Remove the rubber caps (x2) from the front of the Touch Unit

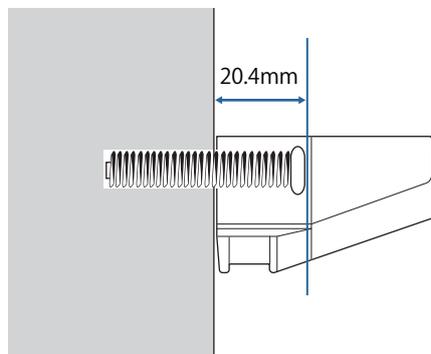


9

Secure the Touch Unit with commercially available M4 screws (x2)

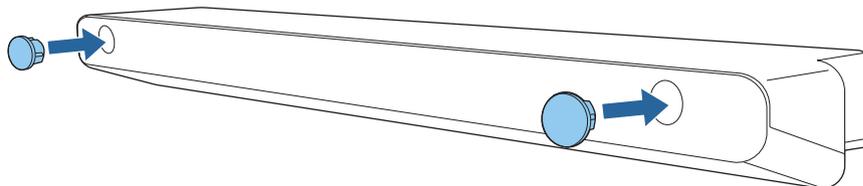


The following shows the depth of the screw holes in the Touch Unit.



10

Attach the rubber caps that you removed in step 8 to the screw holes on the front of the Touch Unit

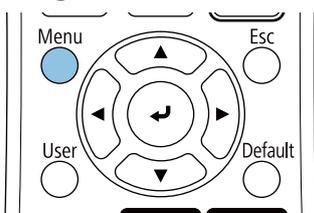


■ When using the Touch Unit Bracket to install outside of the projection surface

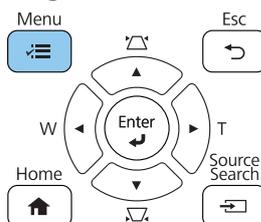
1

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

Using the Remote Control



Using the Control Panel



2

Select **Touch Unit** from the **Installation** menu

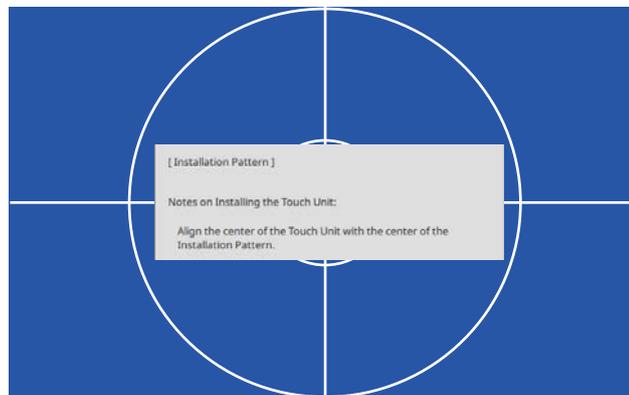
Frequently Used Items	Installation
Image	Fixed Installation Off
Signal I/O	Test Pattern
Installation	Setting Plate Installation Guide
Display	Vertical Installation No
Operation	Projection Front/Upside Down
Management	Auto Screen Adjustment
Network	Geometry Correction Point Correction
Pen/Touch	Digital Zoom
Interactive	Connect ELPCB02 Off
Multi-Projection	Touch Unit
Memory	Remote Receiver Off
ECO	Screen Type 16:9
Initial/All Settings	High Altitude Mode Off
	Reset Installation Settings
	Display
	Pattern Display
	Pattern Type

3

Select **Installation Pattern**

[Touch Unit]	Return
Installation Pattern	
Power	On
Touch Unit Setup	
Touch Calibration	
Calibration Range	Wide

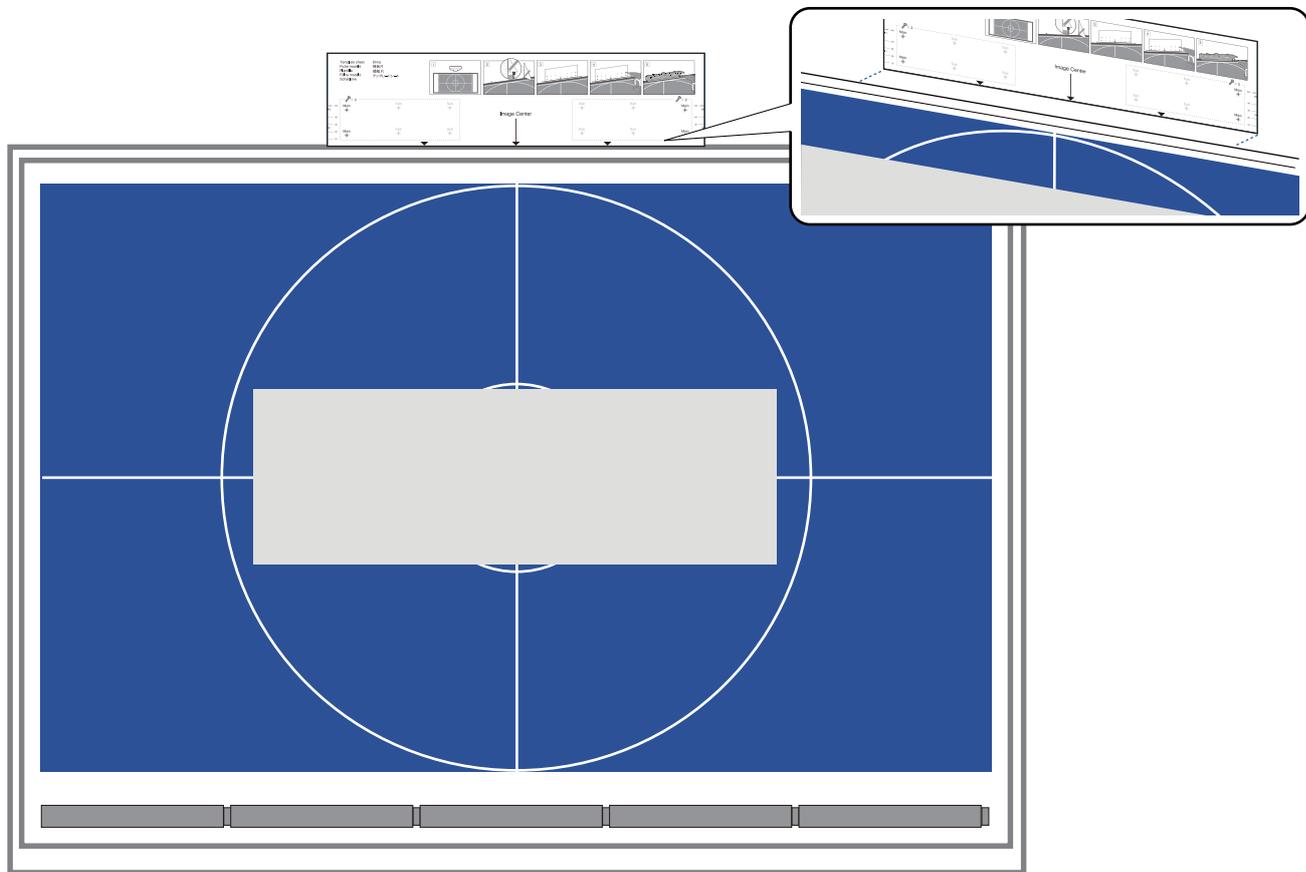
You see the installation pattern on the projected image.



4 Attach the template sheet for the Touch Unit Bracket

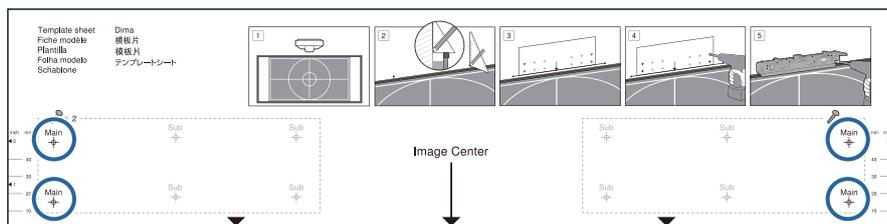
Align the top edge of the projection surface with the bottom edge of the template sheet.

If there is a gap between the installation surface for the bracket and the projection surface, we recommend drawing marks in advance at the attachment position.



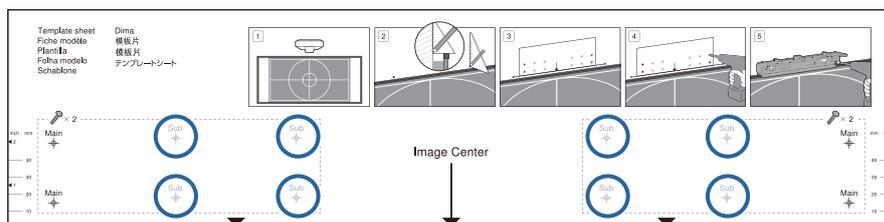
5 Drill holes in the installation surface, and then remove the template sheet

Make holes at the four points labeled as **Main** on the template sheet.



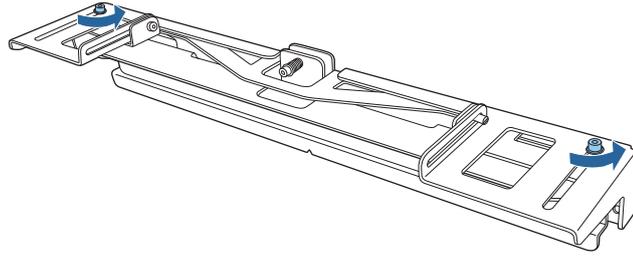
Depending on the condition of the installation surface, you may need to secure the bracket at the points labeled as Sub.

Make holes at four points (two on the left and two on the right) for optimum balance.



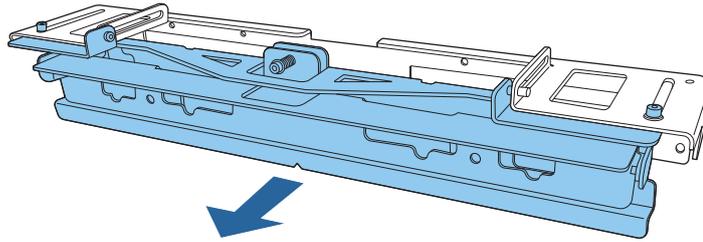
6

Loosen the screws (x2) at the top of the Touch Unit Bracket



7

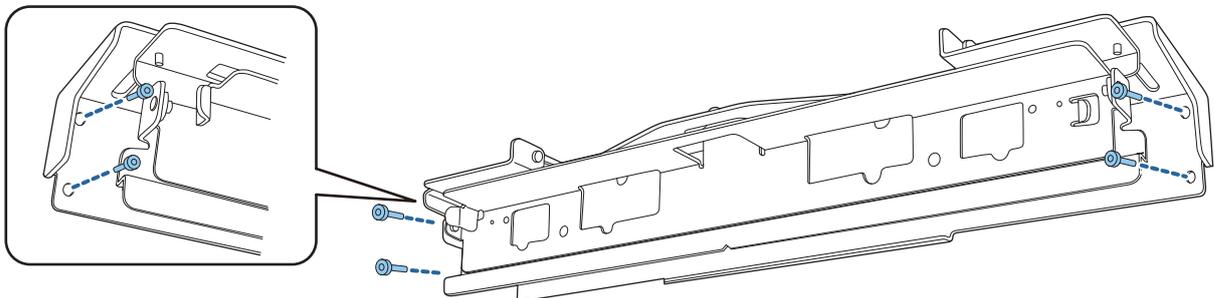
Slide the parts at the front of the bracket forward until they are fully extended



To prevent the sliding section from slipping during installation, lightly tighten the top screws (x2) that you loosened in step 6.

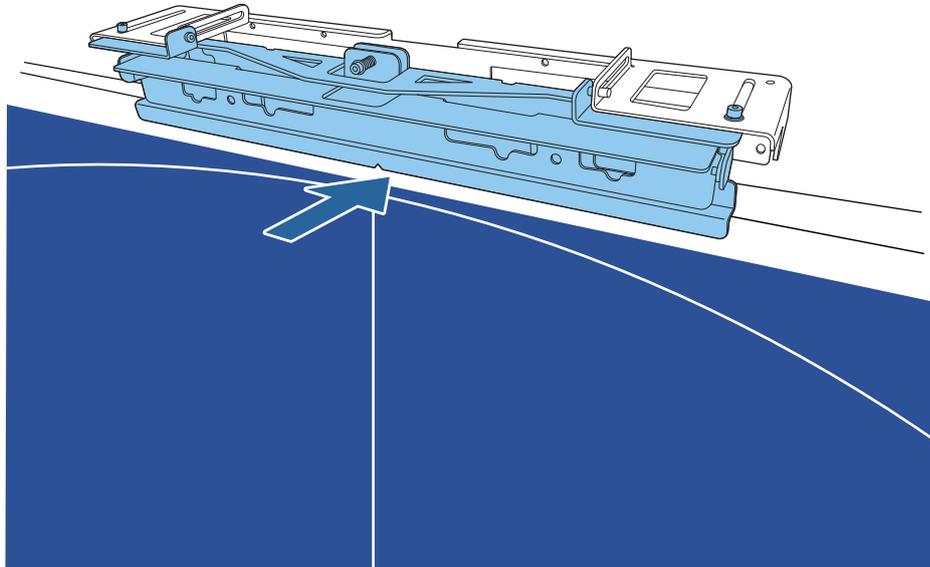
8

Secure the bracket to the wall with commercially available 3.8 mm diameter wood screws with a length of 45 mm (x4) or M4 anchor bolts (x4)

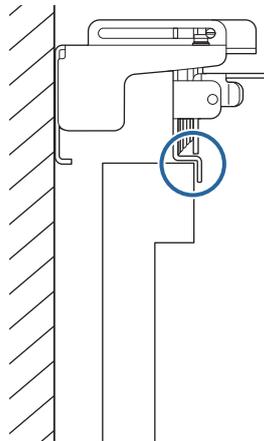


9

Slide the bracket so that it fits with the projection screen

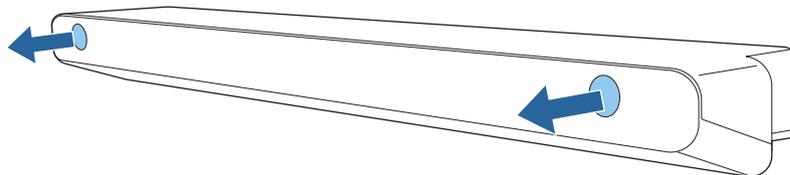


Slide it in until the lower edge of the bracket touches the projection screen.



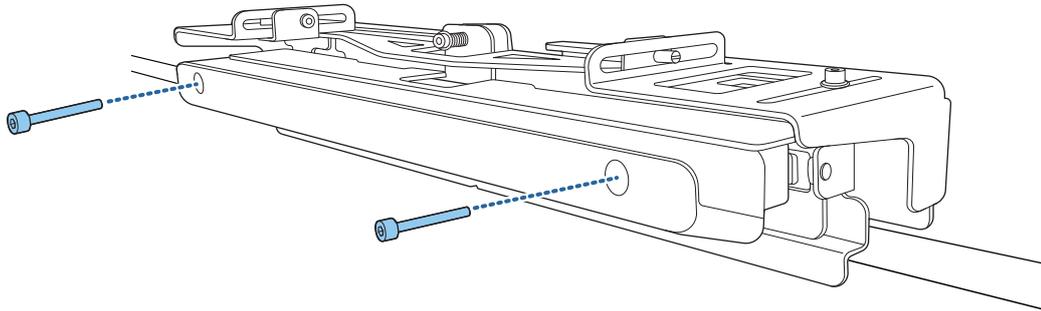
10

Remove the rubber caps (x2) from the front of the Touch Unit



11

Secure the Touch Unit to the bracket with the M4 x 25 mm bolts (x2) supplied

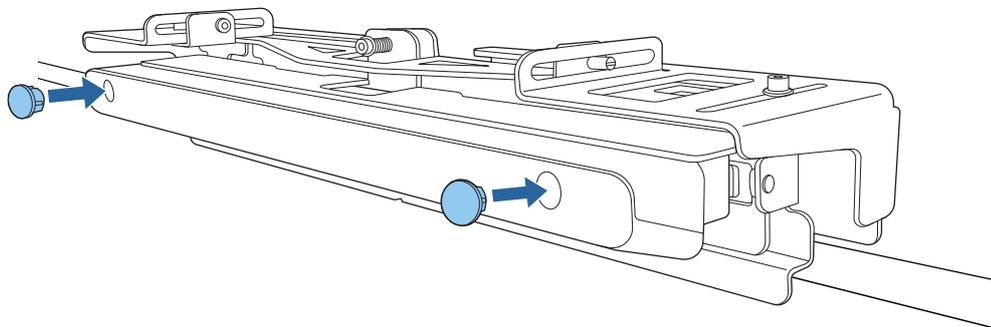


Caution

There is a powerful magnet on the rear of the Touch Unit. Do not trap your hand between the Touch Unit and the Touch Unit Bracket.

12

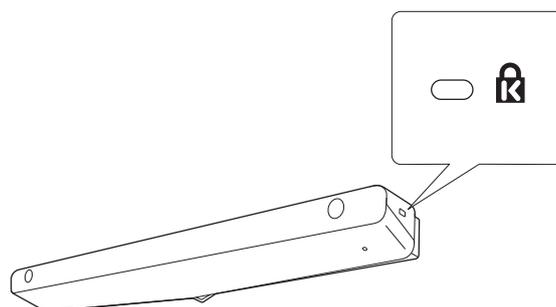
Attach the rubber caps that you removed in step 10 to the screw holes on the front of the Touch Unit



Attaching a Security Cable

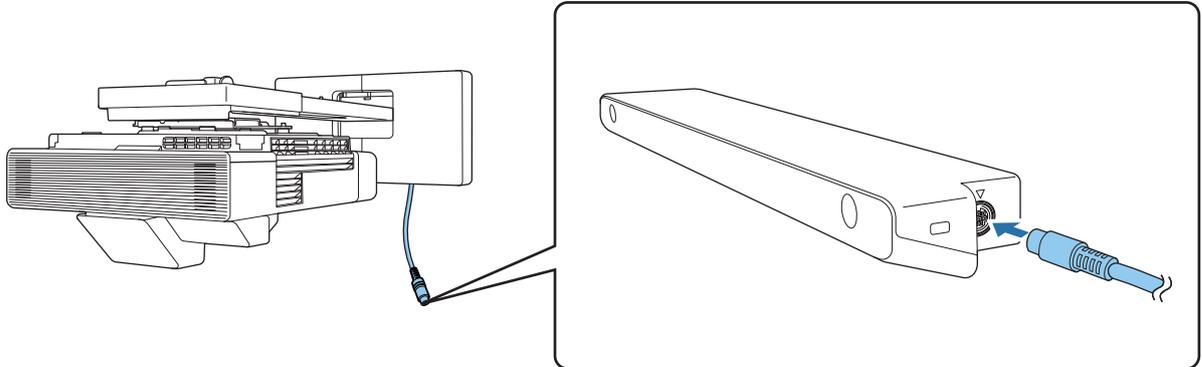
The security slot on the Touch Unit is compatible with the Microsaver Security System manufactured by Kensington. See the following for more details on the Microsaver Security System.

<http://www.kensington.com/>



Turning on the Touch Unit

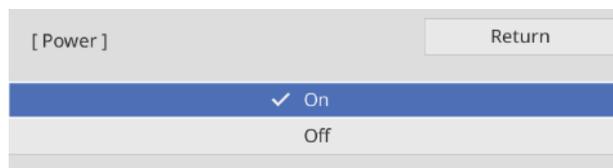
- 1 Connect the Touch Unit connection cable that is connected to the projector to the TCH port on the Touch Unit



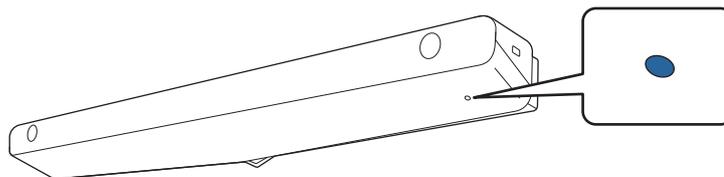
- 2 Select **Touch Unit** from the **Installation** menu



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



The Touch Unit turns on and the indicator is lit blue.

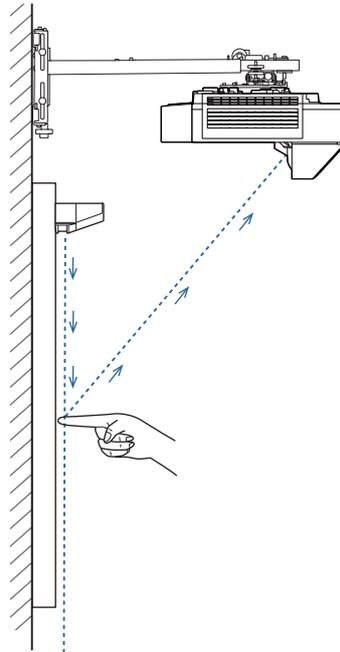


 The Touch Unit automatically turns on the next time you turn on the projector if **Power** is set to **On**.

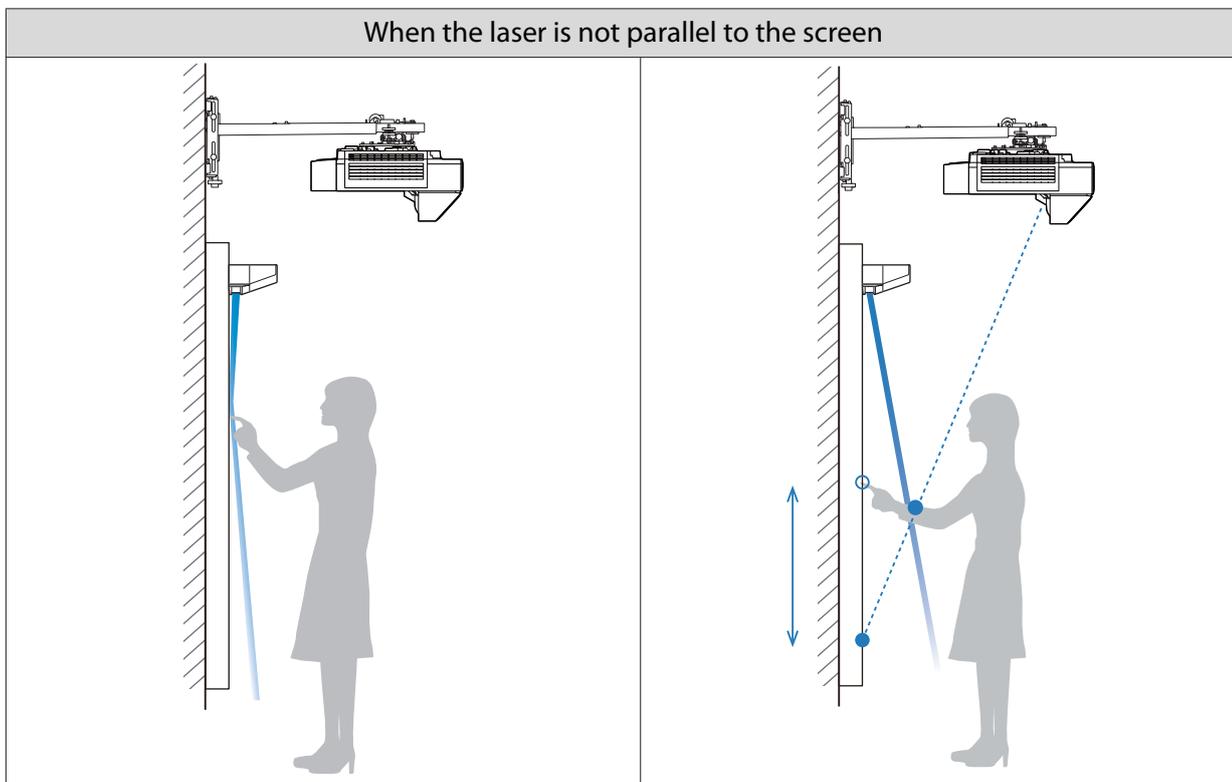
Adjusting the Angle of the Laser (Touch Unit Auto Setup)

An infrared laser in the shape of a curtain is emitted from the Touch Unit. The infrared laser reflects off your finger when touched to the projection surface thereby detecting the finger position allowing the projector's infrared camera to recognize the position being reflected.

Adjust the angle of the laser light coming from the Touch Unit so that the projector can correctly detect the position of your finger.



If the laser is not emitted parallel to the screen, the projector will not detect touch operations or the position of your finger correctly.



When the laser is not parallel to the screen

- The position of your finger may not be detected even if you touch the projected image.
- Even if you do not touch the projected image, touch operations may be incorrectly detected and unintended operations may be performed.
- The position of your finger detected by the projector and your actual finger position may not align, and an unintended operation may be performed.
- The projector enters a state in which a touch is still being detected, and a click operation is not recognized.



Before adjusting the angle of the laser, make sure that interactive pen calibration is complete.

1

Select **Touch Unit** from the **Installation** menu

Frequently Used Items	Installation	
Image	Fixed Installation	Off
Signal I/O	Test Pattern	
Installation	Setting Plate Installation Guide	
Display	Vertical Installation	No
Operation	Projection	Front/Upside Down
Management	Auto Screen Adjustment	
Network	Geometry Correction	Point Correction
Pen/Touch	Digital Zoom	▼
Interactive	Connect ELPCB02	Off
Multi-Projection	Touch Unit	
Memory	Remote Receiver	Off
ECO	Screen Type	16:9 ▼
Initial/All Settings	High Altitude Mode	Off
	Reset Installation Settings	
	Display	
	Pattern Display	
	Pattern Type	

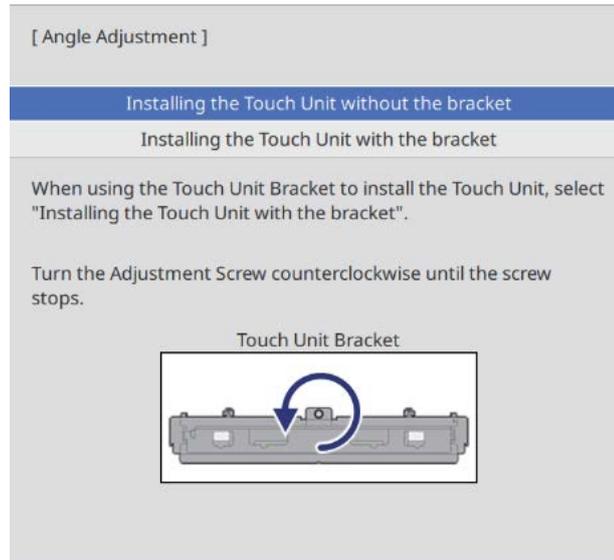
2

Select **Touch Unit Setup**

[Touch Unit]	Return
Installation Pattern	
Power	On
Touch Unit Setup	
Touch Calibration	
Calibration Range	Wide

3

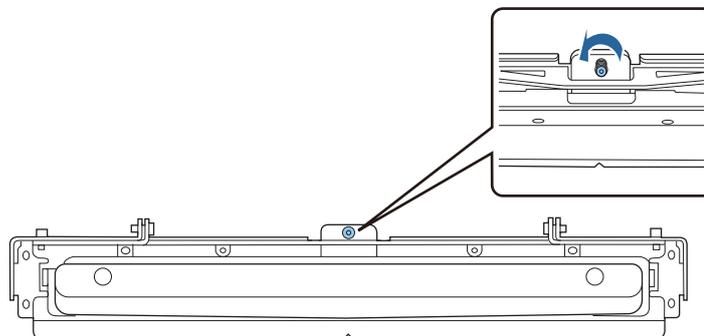
Select whether or not the Touch Unit Bracket is being used



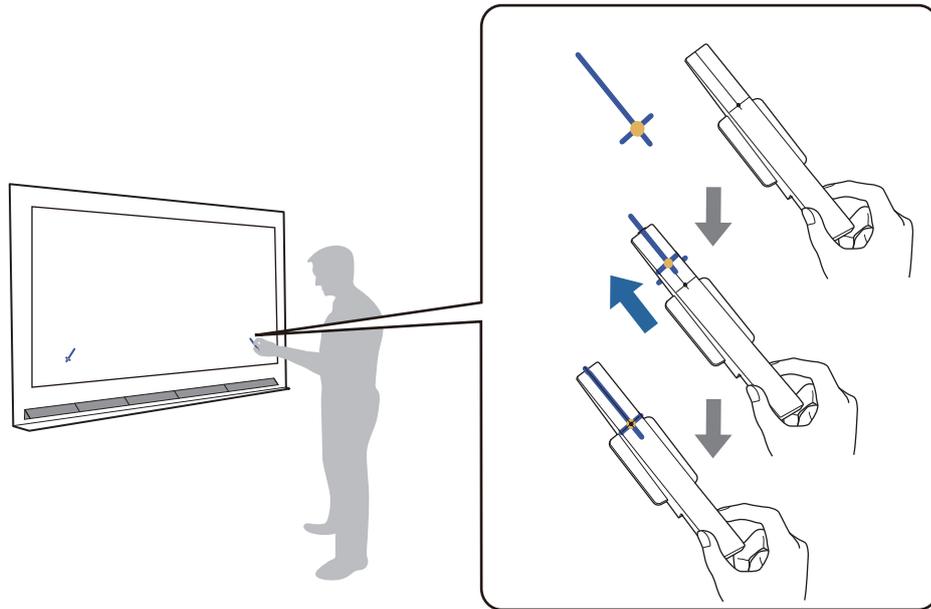
The following steps differ if you are using an older model of Touch Unit. Follow the on-screen instructions. For details on performing operations, see the *Installation Guide* supplied with the old projector.

4

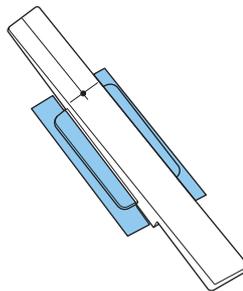
If you are using the Touch Unit Bracket, turn the adjustment screw on the top of the bracket counterclockwise until you cannot turn it any further



- 5 Place the two markers supplied on the marker positions on the projection screen and secure them



- Magnetic screens: Place the base of the markers onto the screen.
- Non-magnetic screens: Use the supplied tape to secure the markers as shown below.



 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.

- 6 Press the [Enter] button to start Touch Unit auto adjustment

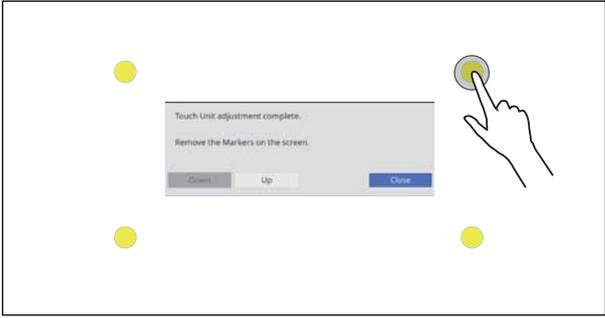
 Auto adjustment may take a few minutes depending on the projection surface.

- 7 When the message **Touch Unit adjustment complete.** is displayed, remove the markers from the projection surface

If you see a message notifying you that auto adjustment has failed, check "When auto adjustment fails" [p.95](#).

8 Touch (●) displayed on the screen with your finger and check if (●) is displayed in the same position

Touch all four (●) to confirm.

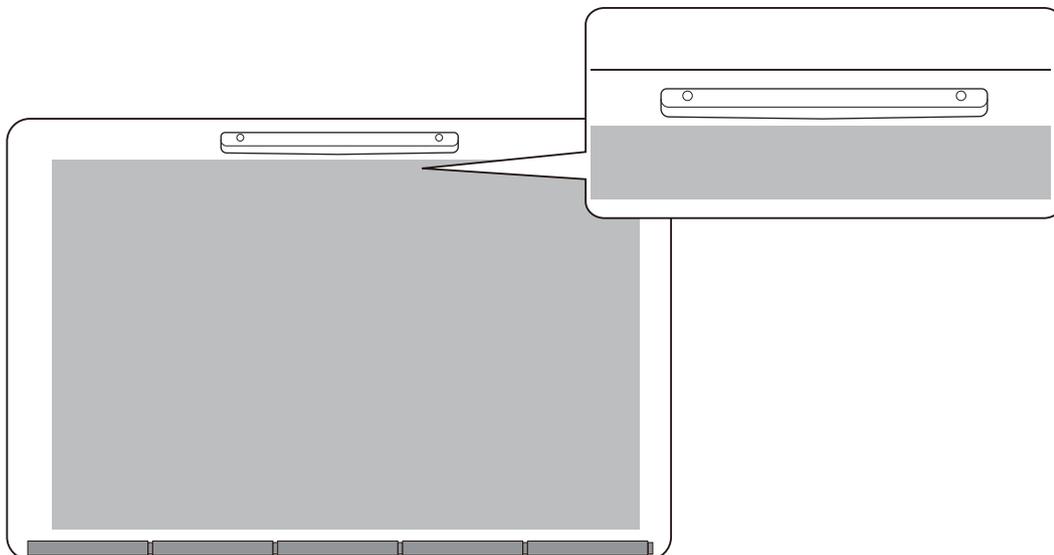
Screen	Status
	<p>Adjustment has been performed correctly if the location you touch with your finger is the same place as where (●) is displayed.</p>
	<p>If (●) is displayed in a different location to the point you touched, select Up once using the control panel or the remote control. Next, touch (●) again with your finger to confirm.</p> <p>Repeat until (●) is displayed in the correct position.</p>

Adjustment is complete when (●) appears in the correct position for all four (●) positions.

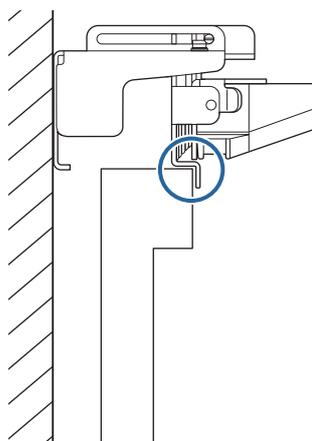
■ When auto adjustment fails

1 Check that the Touch Unit installation position is correct

- Make sure that the Touch Unit and the projected image are parallel.



- If you are using a Touch Unit Bracket, make sure that the bottom edge of the bracket is flush with the edge of the projection surface without any gaps.



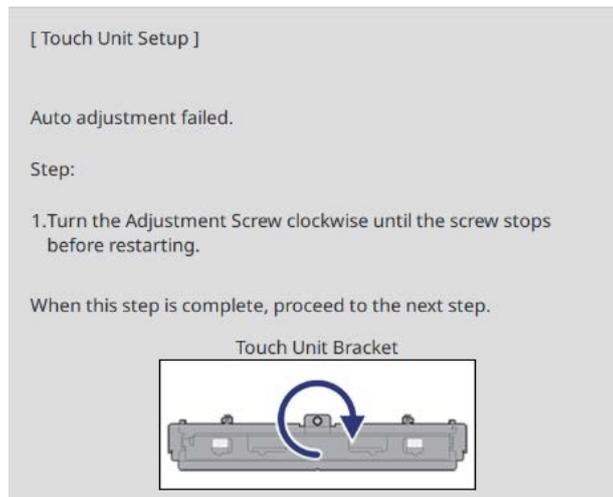
2

Check the message displayed and take the necessary action

Screen	Solution
<p>[Touch Unit Setup]</p> <p>Auto adjustment failed.</p> <p>Step:</p> <p>1. Turn the Adjustment Screw clockwise until the screw stops before restarting.</p> <p>When this step is complete, proceed to the next step.</p> <p style="text-align: center;">Touch Unit Bracket</p> 	<p>Follow the on-screen instructions to adjust the angle of the laser, and then perform auto adjustment again. For details, see "Adjusting the angle of the laser" p.96.</p>
<p>Touch Unit adjustment failed.</p> <p>Remove the Markers.</p> <p>Check that there is no sunlight or strong light such as a fluorescent lamp, shining on the projection side or the interactive pen receiver, and that there are no obstructions on the screen.</p> <p>Make sure there are no obstacles in the area the icons are displayed.</p> <p>Remove all icons and restart the Touch Unit adjustment.</p> <p>If you cannot remove the icon, contact the support center.</p> <p style="text-align: center;">Close</p>	<p>Check the following after removing the markers from the projection surface.</p> <ul style="list-style-type: none"> • If you see an icon () on the projection surface, check if there are any obstacles at the position of the icon. • Check if the strong light such as sunlight or fluorescent light is shining onto the projection surface or the interactive light receiver. <p>When you have checked everything, perform Touch Unit Setup from the Installation menu.</p>
<p>The Touch Unit has malfunctioned.</p> <p style="text-align: right;">[0000]</p> <p style="text-align: center;">Close</p>	<p>The Touch Unit may be malfunctioning. Contact your dealer.</p>

Adjusting the angle of the laser

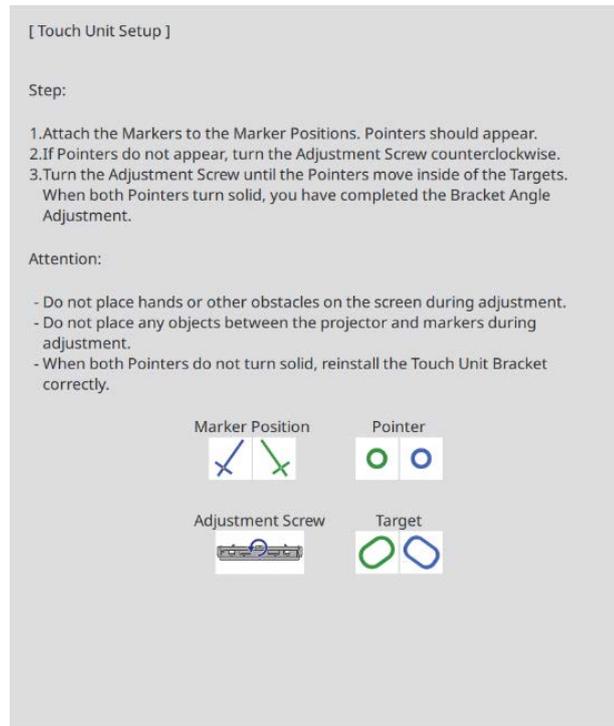
This section explains how to re-adjust the laser when you see the following screen.



1

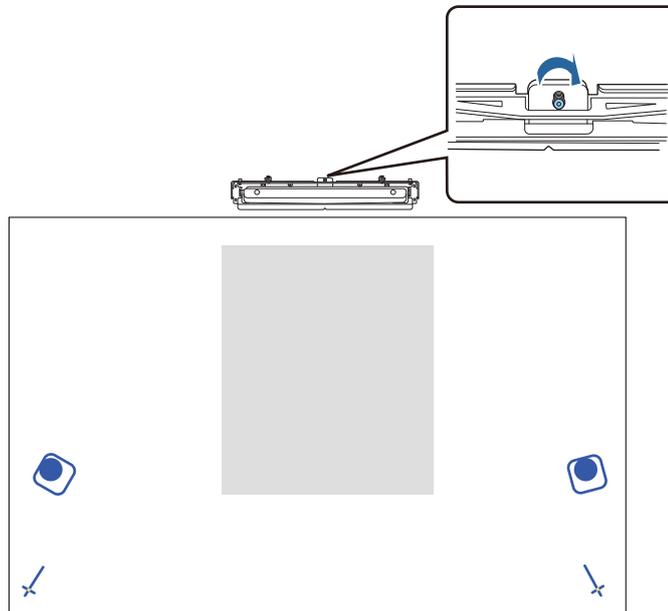
Press the Enter button

You see the following adjustment screen.



2

Turn the adjustment screw clockwise to cover the left and right pointers



3

Press the [Enter] button to start Touch Unit auto adjustment

- When adjustment is complete and you see the following screen, remove the markers from the projection surface



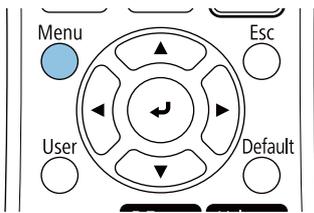
If you see a message notifying you that auto adjustment has failed, check "When auto adjustment fails" p.95.

Calibrating the touch operation position

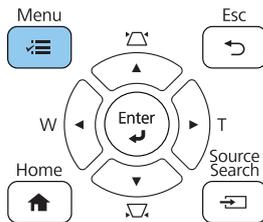
Perform touch calibration so that the projector can recognize touch operations precisely.

- Press the projector's [Menu] button

Using the Remote Control



Using the Control Panel

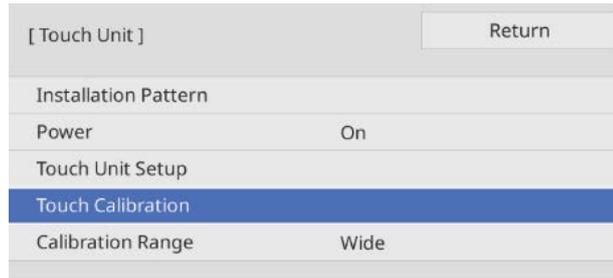


- Select **Touch Unit** from the **Installation** menu

Frequently Used Items	Installation	
Image	Fixed Installation	Off
Signal I/O	Test Pattern	
Installation	Setting Plate Installation Guide	
Display	Vertical Installation	No
Operation	Projection	Front/Upside Down
Management	Auto Screen Adjustment	
Network	Geometry Correction	Point Correction
Pen/Touch	Digital Zoom	
Interactive	Connect ELPCB02	Off
Multi-Projection	Touch Unit	
Memory	Remote Receiver	Off
ECO	Screen Type	16:9
Initial/All Settings	High Altitude Mode	Off
	Reset Installation Settings	
	Display	
	Pattern Display	
	Pattern Type	

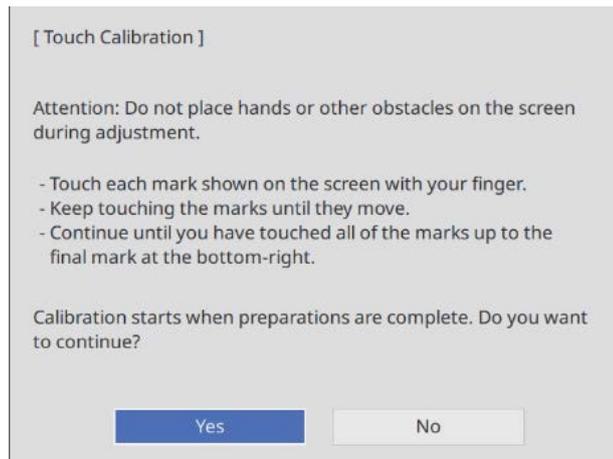
3

Select **Touch Calibration**



4

Select **Yes**

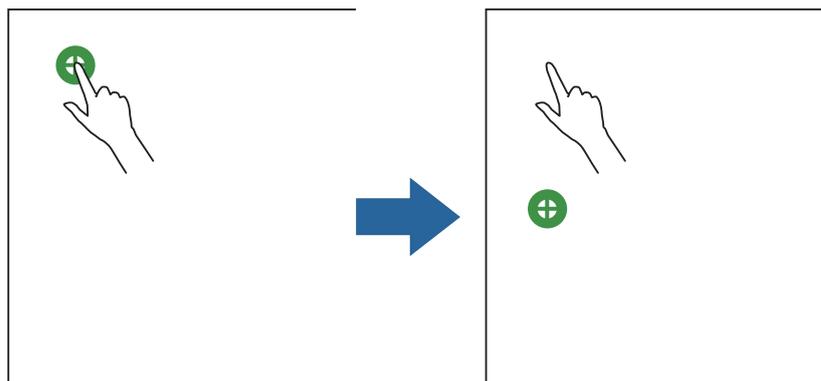


You see a dot at the top left of the projection screen.

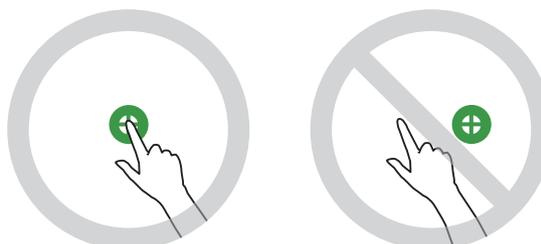
5

Touch the center of the dot with your finger

When the dot disappears and moves to the next position, remove your finger.



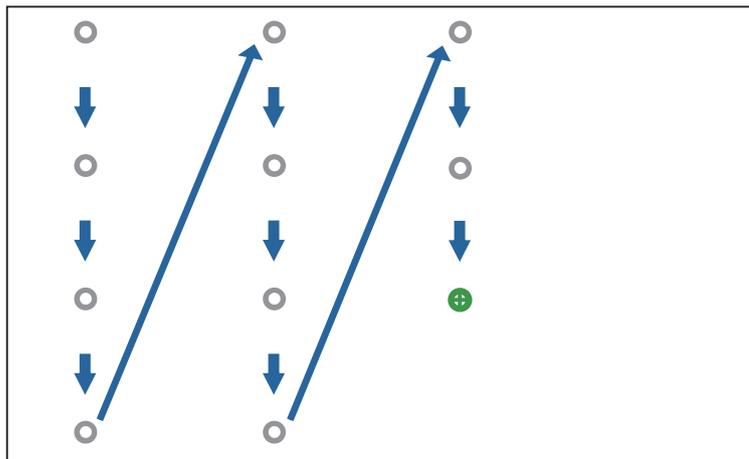
- Make sure you touch the center of the dot. Otherwise, it may not be positioned correctly.



- Do not touch with anything else except the tip of your finger.

6

Repeat step 5 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

After making the projector's menu settings for one projector, you can copy the settings to other 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.
- Make settings using Epson Projector Management.

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

For details on making settings using Epson Projector Management, see the *Epson Projector Management Operation Guide*.



- If you do not want to copy the following settings, set **Batch Setup Range** to **Limited**.
 - **Password Protection**
 - **EDID** from the **Signal I/O** menu
 - **Network** menu
- Perform batch setup before adjusting the position of the projectors. The batch setup function copies adjustment values for the projected image such as Geometry Correction. If batch setup is performed after adjusting the position of the projectors, the adjustments you made may change.
- By using the batch setup function, the registered User's Logo is copied to the other projectors. Do not register confidential information as the User's Logo.



Caution

Performing batch setup is the customer's responsibility. If batch setup fails due to an accident such as a power failure, communication error, 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



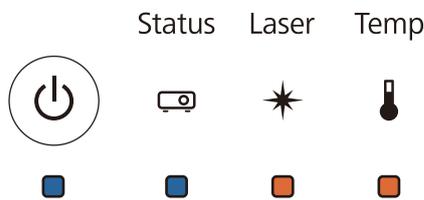
- Connect the USB flash drive directly to the projector. If the USB flash drive is connected to the projector through a USB hub, the settings may not be saved correctly.
- Connect an empty USB flash drive. If the USB flash drive contains data other than the batch setup file, the settings may not be saved correctly.
- 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 Power indicator and the Status indicator turn blue, and the Laser indicator and the Temp indicator turn orange.

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



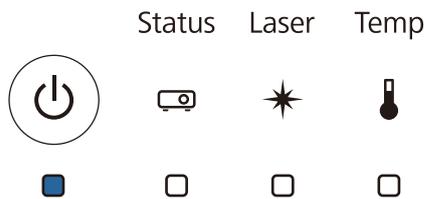
When all of the indicators start flashing, the batch setup file is being written.



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.



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

Copying 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

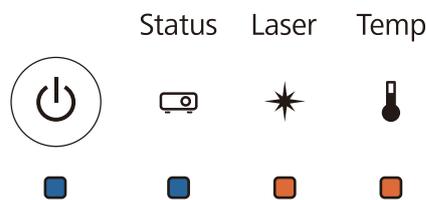


Do not store any data except for the batch setup file on the USB flash drive. If the USB flash drive contains data other than the batch setup file, the settings may not be copied correctly.

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

The Power indicator and the Status indicator turn blue, and the Laser indicator and the Temp indicator turn orange.

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



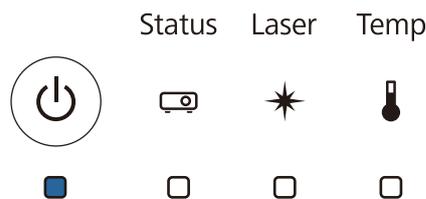
When all of the indicators start flashing, the settings are being written.



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.



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 7 and later
- OS X 10.11 and later

■ Saving settings to a computer

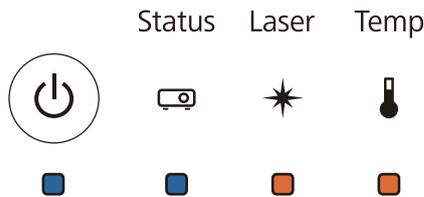
1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

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 Power indicator and the Status indicator turn blue, and the Laser indicator and the Temp indicator turn orange.

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



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



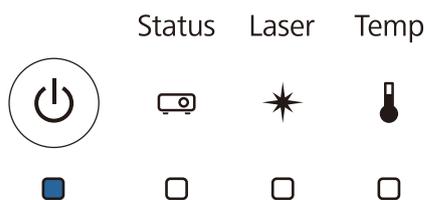
If you need to change the name of the batch setup file, add text after PJCONFDATA. If you change the PJCONFDATA section of the file name, the projector may not be able to recognize the file correctly. You can only use single-byte characters for the file name.

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



When using a Mac, perform "Remove EPSON_PJ".

The projector turns off and only the Power indicator is lit blue.



Copying saved settings to other projectors

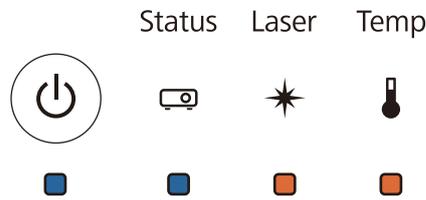
1 Disconnect the power cord from the projector, and check that all of the projector's indicators have turned off

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 Power indicator and the Status indicator turn blue, and the Laser indicator and the Temp indicator turn orange.

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



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.

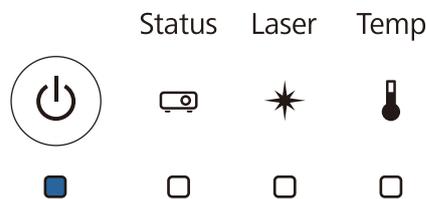
- 5 Perform "Remove USB device" on your computer, and then disconnect the USB cable

 When using a Mac, perform "Remove EPSON_PJ".

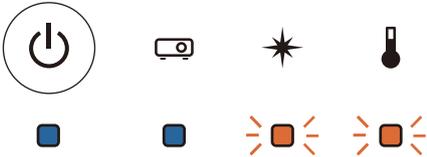
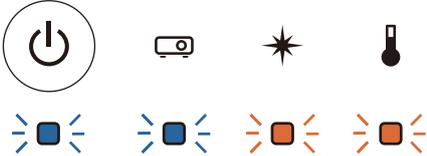
When all of the indicators start flashing, the settings are being written.

 **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.



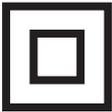
When Setup Fails

Check	Remedy
<p>Are the Laser and the Temp indicators flashing orange quickly?</p> <p style="text-align: center;">Status Laser Temp</p> 	<p>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.</p>
<p>Are the Power and the Status indicators blue, and the Laser and the Temp indicators flashing orange quickly?</p> <p style="text-align: center;">Status Laser Temp</p> 	<p>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 Epson for help.</p>

List of Safety Symbols

The following table lists the meaning of the safety symbols labeled on the equipment.

Symbol mark	Approved standards	Meaning
	IEC60417 No.5007	"ON" (power) To indicate connection to the mains.
	IEC60417 No.5008	"OFF" (power) To indicate disconnection from the mains.
	IEC60417 No.5009	Standby To identify the switch or switch position by means of which part of the equipment is switched on in order to bring it into the standby condition.
	ISO7000 No.0434B IEC3864-B3.1	Caution To identify general caution when using the product.
	IEC60417 No.5041	Caution, hot surface To indicate that the marked item can be hot and should not be touched without taking care.
	IEC60417 No.6042 ISO3864-B3.6	Caution, risk of electric shock To identify equipment that has risk of electric shock.
	IEC60417 No.5957	For indoor use only To identify electrical equipment designed primarily for indoor use.
	IEC60417 No.5926	Polarity of d.c. power connector To identify the positive and negative connections (the polarity) on a piece of equipment to which a d.c. power supply may be connected.
	---	
	IEC60417 No.5001B	Battery, general On battery powered equipment. To identify a device for instance a cover for the battery compartment, or the connector terminals.
	IEC60417 No.5002	Positioning of cell To identify the battery holder itself and to identify the positioning of the cell(s) inside the battery holder.
	---	
	IEC60417 No.5019	Protective earth To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth electrode.
	IEC60417 No.5017	Earth To identify an earth (ground) terminal in cases where the  is not explicitly required.

Symbol mark	Approved standards	Meaning
	IEC60417 No.5032	Alternating current To indicate on the rating plate that the equipment is suitable for alternating current only; to identify relevant terminals.
	IEC60417 No.5031	Direct current To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.
	IEC60417 No.5172	Class II equipment To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
	ISO 3864	General prohibition To identify actions or operations that are prohibited.
	ISO 3864	Contact prohibition To indicate injury that could occur due to touching a specific part of the equipment.
	---	Never look into the projection lens while the projector is on.
	---	To indicate that you must never place anything on the projector.
	ISO3864 IEC60825-1	Caution, laser radiation To indicate the equipment has a laser radiation part.
	ISO 3864	Disassembly prohibition To indicate a risk of injury, such as electric shock, if the equipment is disassembled.
	IEC60417 No.5266	Standby, partial standby To indicate that part of the equipment is in the ready status.
	ISO3864 IEC60417 No.5057	Caution, movable parts To indicate that you must keep away from movable parts according to protection standards.
	IEC 60417-6056	Caution (movable fan blades) To indicate that you must keep away from the blades of the movable fan according to protection standards.
	IEC 60417-6043	Caution (sharp corners) To indicate that you must not touch the sharp corners of the product according to protection standards.
	--	Never look into the projection lens while the projector is on.
	ISO7010 No. W027 ISO 3864	Warning, light emission (UV, visible light, IR and so on) To indicate that you must be careful not to injure your eyes or skin when near light emitting sections.
	IEC60417 No.5109	Not to be used in residential areas To indicate that the electrical equipment/device is not suitable for use in a residential area.

Indication of the manufacturer and the importer in accordance with requirements of directive 2011/65/ EU (RoHS)

Manufacturer: SEIKO EPSON CORPORATION

Address: 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 Japan

Telephone: 81-266-52-3131

<http://www.epson.com/>

Importer: SEIKO EUROPE B.V.

Address: Azië building, Atlas Arena, Hoogoorddreef 5, 1101 BA Amsterdam Zuidoost The Netherlands

Telephone: 31-20-314-5000

<http://www.epson.eu/>

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