

HITACHI

Inspire the Next

Interface Switcher

SB-1

User's Manual (concise)

Please read this user's manual thoroughly to ensure the proper use of this product.

Manuel d'utilisation (résumé)

Nous vous recommandons de lire attentivement ce manuel pour bien assimiler le fonctionnement de l'appareil.

Bedienungsanleitung (Kurzform)

Um zu gewährleisten, dass Sie die Bedienung des Geräts verstanden haben, lesen Sie dieses Handbuch bitte sorgfältig.

Manual de usuario (conciso)

Lea atentamente el manual de usuario del proyector para garantizar un uso adecuado del mismo.

Manuale d'istruzioni (condensato)

Vi preghiamo di leggere attentamente il manuale d'istruzioni per garantire una corretta comprensione delle istruzioni.

Brukerhåndbok (konsis)

Vennligst les denne brukerhåndbok grundig for å være garantert driftssikker bruk.

Gebruiksaanwijzing (beknopt)

Lees deze gebruikershandleiding grondig door, zodat u de werking ervan begrijpt en correct gebruik verzekerd is.

Instruções do proprietário (concisas)

Leia atentamente o presente manual do utilizador para garantir a utilização correcta por via da sua compreensão.

使用说明书 (简易版)

请仔细阅读本《使用说明书》, 在理解的基础上正确使用。

사용 설명서 (휴대용)

본 사용자 설명서를 잘 읽으시고 이해하신 후, 올바르게 사용해 주십시오.

Bruksanvisningens (koncis)

Läs denna bruksanvisning noga för att förstå alla instruktionerna för ett korrekt bruk.

Руководство пользователя (краткий)

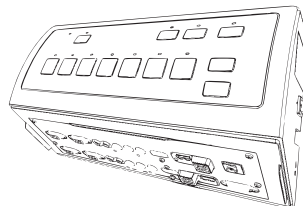
Пожалуйста, внимательно прочтите данное руководство пользователя для ознакомления и правильно использования.

Käyttäjän ohjekirja (suppea)

Lue käyttäjän ohjekirja huolellisesti varmistaaksesi, että ymmärrät miten laitetta käytetään oikein.

Podręcznik użytkownika (zwięzły)

Przeczytaj dokładnie i ze zrozumieniem niniejszy podręcznik użytkownika, aby zapewnić prawidłowe użytkowanie urządzenia.



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HUOM! • Tämän ohjekirjan tiedot voivat muuttua ilman eri ilmoitusta. • Valmistaja ei ota mitään vastuuta ohjekirjassa mahdollisesti olevista virheistä. • Dokumentin tai sen sisällön jäljentäminen, siirto tai käyttö ei ole sallittua ilmannimenomaista kirjallista valtuutusta.

UWAGA • Informacje podane w tym podręczniku mogą ulec zmianie bez uprzedzenia. • Producent nie ponosi odpowiedzialności za ewentualne błędy w podręczniku. • Powielanie, przysyłanie lub inne wykorzystanie tego dokumentu lub jego treści nie jest dozwolone bez wyraźnej pisemnej zgody.

Interface Switcher

SB-1

User's Manual

Thank you for purchasing this product.
Please read through this manual before using this product, in order to use safely and utilize well the product.

⚠ WARNING ▶ Before using this product, be sure to read all manuals for this product. After reading them, store them in a safe place for future reference.
▶ Heed all the warnings and cautions in the manuals or on the product.
▶ Follow all the instructions in the manuals or on the product.

NOTE • In this manual, unless any comments are accompanied, “the manuals” means all the documents provided with this product, and “the product” means this product and all the accessories came with the product.

Features

- ☑ **This product is intended to use with Hitachi projector. It is available to control the projector connected with RS-232C.**
- ☑ **It can not only make cable arrangement simple and neat, but also serve prepared holders for accessories often used with projector.**

Contents

			
First of all	2	Connecting	15
Entries and graphical symbols explanation	2	Operating.....	19
Important safety instruction	2	Turning on the power.....	19
Regulatory notices.....	3	Turning off the power.....	19
About Electro-Magnetic Interference	3	Controlling the projector	20
About Waste Electrical and Electronic equipment.....	4	Maintenance	21
Contents of package.....	5	Inside of the product.....	21
Part names	6	Caring for the cabinet	21
Control panel	6	Troubleshooting	22
Ports	6	Regarding the indicator lamps.....	22
Installing	7	Phenomena that may be easy to be mistaken for machine defects	23
AC adapter.....	8	Specifications	24
Tablet arm.....	9	Warranty and after-service	26
Wallmount bracket.....	10		
Cable cover and cable tie.....	13		
Side holder	14		
Security tool.....	14		

First of all

■ Entries and graphical symbols explanation

The following entries and graphical symbols are used for the manuals and the product as follows, for safety purpose. Please know their meanings beforehand, and heed them.

△WARNING	This entry warns of a risk of serious personal injury or even death.
△CAUTION	This entry warns of a risk of personal injury, physical damage or damage to your property.
NOTICE	This entry notices of fear of causing trouble.



Please refer to the pages written following this symbol.

■ Important safety instruction

The followings are important instructions for safely using the product. Be sure to follow them always when handling the product. The manufacturer assumes no responsibility for any damage caused by mishandling that is beyond normal usage defined in these manuals of this product.

- △WARNING ► Never use the product in or after an abnormality (ex. giving off smoke, smelling strange, took a liquid or an object inside, broken, etc.) If an abnormality should occur, unplug the product urgently.
- Situate the product away from children and pets.
 - Keep small parts away from children and pets. If swallowed, consult a physician immediately for emergency treatment.
 - Do not use the product when there is fear of a thunderbolt.
 - Do not open or remove any portion of the product, unless the manuals direct it. For internal maintenance, leave it to your dealer or their service personnel.
 - Use only the accessories specified or recommended by the manufacturer.
 - Do not modify the product or accessories.
 - Do not let any things or any liquids enter to the inside of the product.
 - Do not wet the product.
 - Do not place the product where any oils, such as cooking or machine oil, are used. Oil may harm the product, resulting in malfunction, or falling from the mounted position.
 - Do not apply a shock or pressure to the product.
 - Do not place the product unstably.
 - Remove all the attachments including the power cord and cables, from the product when carrying the product.
 - Do not use any other AC adapter to the product, use the supplied AC adapter only.
 - Do not use the supplied AC adapter to any other product.

Regulatory notices

■ About Electro-Magnetic Interference

In CANADA

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

In the US, and other places where the FCC regulations are applicable

Declaration of Conformity

Trade name	HITACHI
Model Number	SB-1
Responsible Party	Hitachi America, Ltd.
Address	2420 Fenton Street, Suite 200 Chula Vista, CA 91914 U.S.A.
Telephone Number	+1 -800-448-2244

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 harmful interference to radio or 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.

INSTRUCTIONS TO USERS: This equipment complies with the requirements of FCC (Federal Communication Commission) equipment provided that the following conditions are met. Some cables have to be used with the core set. Use the accessory cable or a designated-type cable for the connection. For cables that have a core only at one end, connect the core to the projector.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

■ About the Waste Electrical and Electronic Equipment

Following information is only for EU-member states:

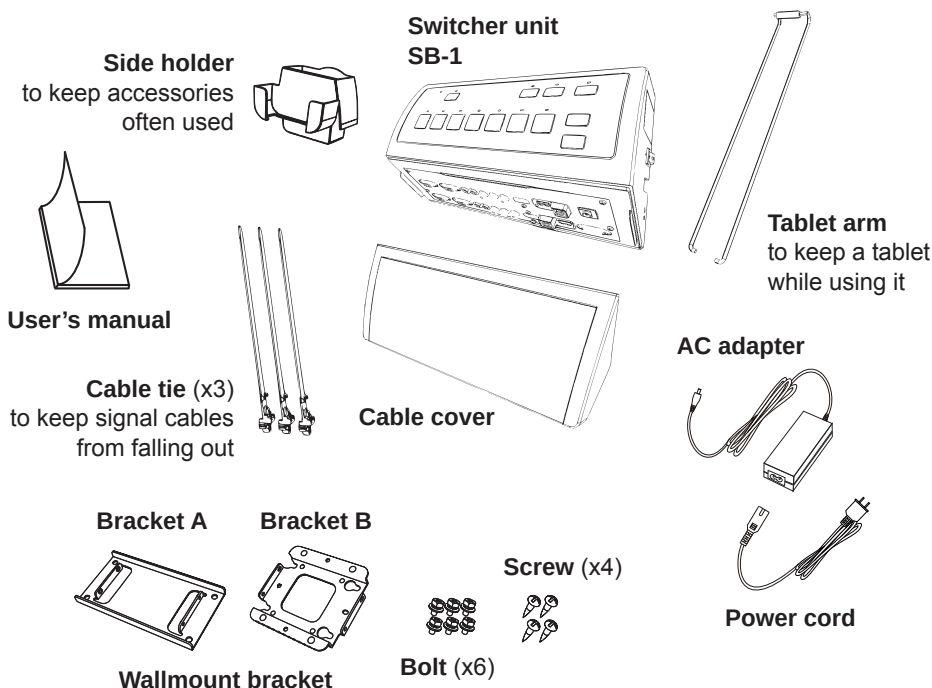
The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).

The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.



Contents of package

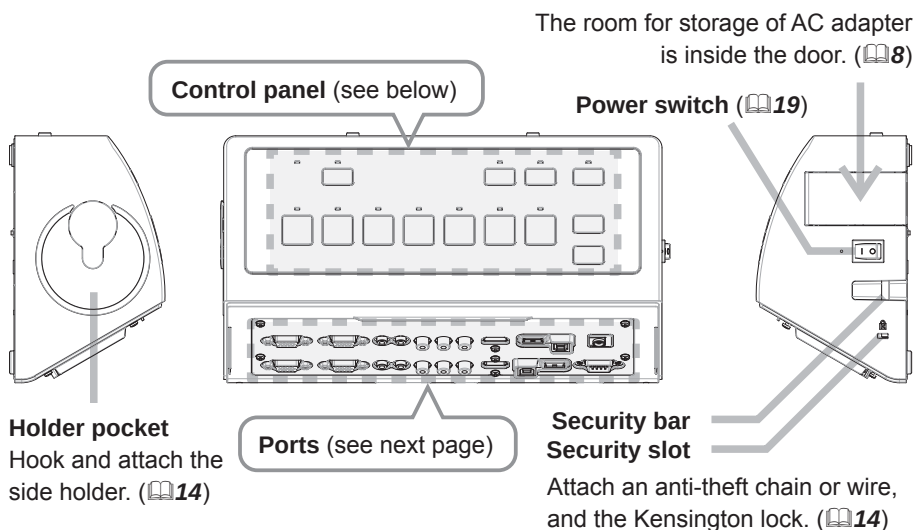
Check that the following items are all included. Please contact your dealer immediately if any items are missing or damaged.



△WARNING ► Keep small parts away from children and pets. Take care not to put in the mouth. If swallowed, consult a physician immediately for emergency treatment.

NOTE • Keep the original packing materials for future reshipment. Be sure to use the original packing materials when moving this product.

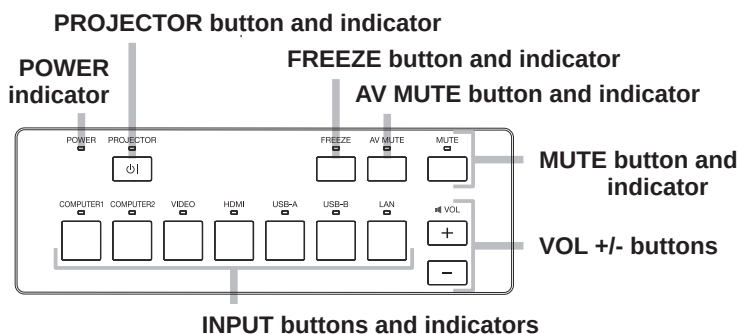
Part names



⚠ WARNING ► Do not open or remove any portion of the product, unless the manuals direct it.

■ Control panel

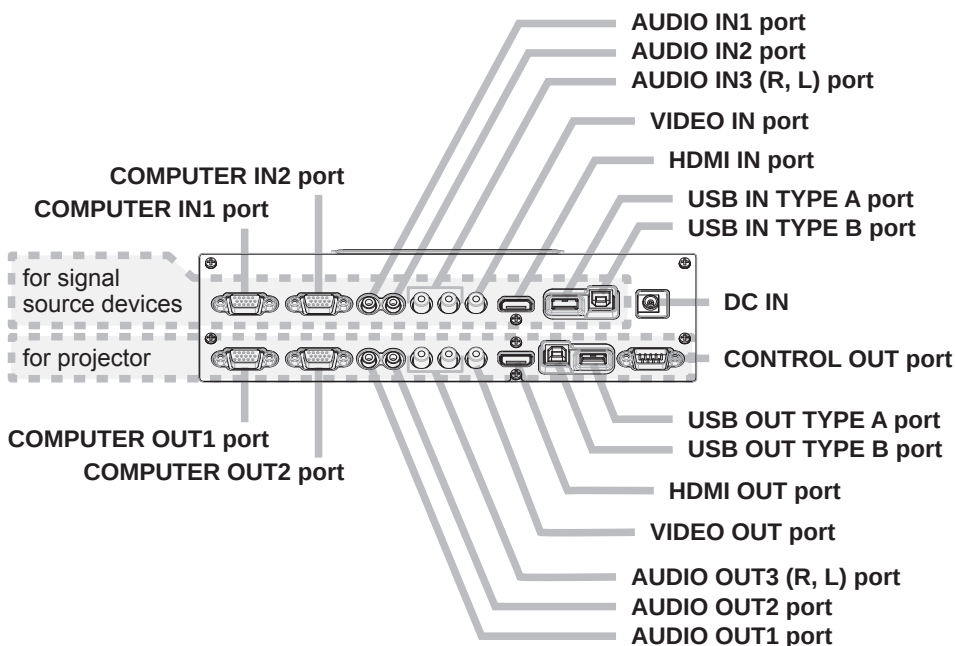
The LED indicators show current status of each function. All buttons on the control panel are intended to control the connected Hitachi projector. Please refer to the section "Controlling the projector" (20) for more details about controlling the projector.



NOTE • A part of Hitachi projectors cannot be controlled with those control buttons. Please ask your dealer for more details.

■ Ports

The ports with "OUT" are to connected with Hitachi projector, and those with "IN" except for **DC IN** are for signal source devices such as computers and DVD players. Please refer to the section "Connecting" (15~18) for more details.



NOTE • The **USB IN TYPE B** port is for a computer only.

Installing

When you install the product especially as fixed to such as wall and shelf, please be sure to consult your dealer to employ a professional about installation.

Please check and follow the notes below before the work to keep you and your surrounding including the product safe.

⚠ **WARNING** ► Install the product where you can access the power outlet easily. If an abnormality should occur, unplug the product urgently. Otherwise it could cause a fire or electric shock.

► Do not subject the product to unstable conditions. If the product falls or topples over, it could result in injury or damage to the product and the surrounding things. Using a damaged product could result in a fire and an electric shock.

- Do not use any mounting accessories except the accessories specified by the manufacturer.
- Do not ride or lean on the product especially when the product is installed on a wall.

► Do not install the product near flammable things.

► Do not place the product where any oils, such as cooking or machine oil, are used. Oil may harm the product, resulting in malfunction, or falling from the mounted position.

► Do not place the product in a place where it may get wet. Getting the product wet or inserting liquid into the product could cause a fire and an electric shock, and damage the product.

⚠ **CAUTION** ► Place the product in a cool place with sufficient ventilation.

- Do not place the product in direct sunlight or near hot objects such as heaters.

► Avoid placing the product in smoky, humid or dusty place.

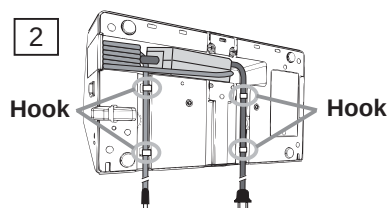
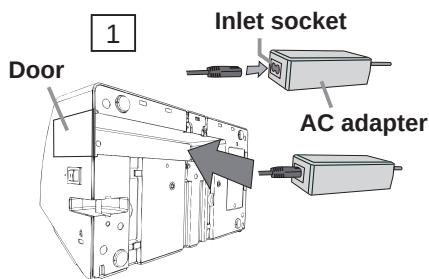
- Do not place the product near humidifiers. Especially for an ultrasonic humidifier, chlorine and minerals contained in tap water are atomized and could be deposited in the product causing malfunction.

NOTICE ► Do not place the product in a place where radio interference may be caused.

■ AC adapter

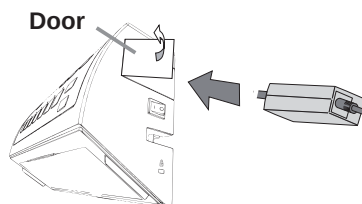
There is a room on the back side of the switcher unit to store the AC adapter and excess of its cord. We recommend to put them before attaching any accessories on the back side of the switcher unit.

1. At first, connect the AC adapter and the power cord. Check the direction of the AC adapter when putting it into the space to have its plug reach **DC IN** easier, and avoid extra stress on the connecting portion of the cords. We recommend to direct the inlet socket on the AC adapter to the door of the space.
2. Pass the power cord and the cord of AC adapter along the grooves and fix with hooks at 2 points each as directed in the drawings.



When the product has already installed

Open the door on the side panel and put the AC adapter into the space. Be careful to avoid extra stress on the connecting portion of the cords. Fix only the cord of AC adapter along the groove.

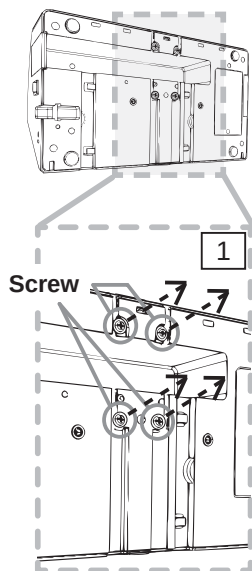


NOTE • Please push in the AC adapter and the cords enough so that the door can close well.

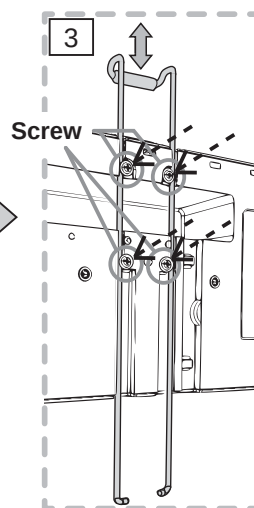
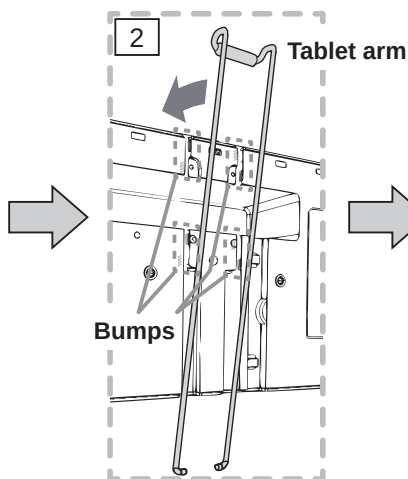
■ Tablet arm

Please attach the tablet arm on the back side of the product to keep a tablet on top of the product while using it.

1. Release the 4 screws on the back side of the product indicated in the drawings.

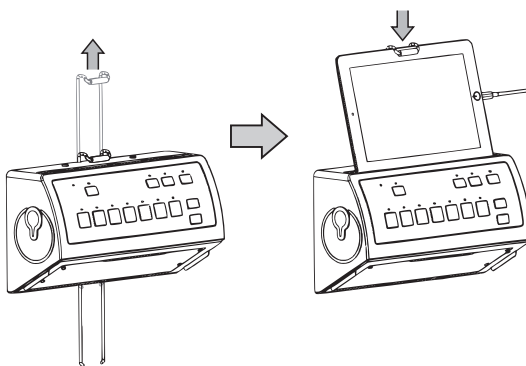


2. Push the arm into the grooves in the direction of illustration. There are tiny bumps to keep the arm.



Using the tablet arm

Lift and put down the arm so that it holds the tablet put on top of the product at the groove.



△CAUTION ► Be sure to use the tablet arm to hold the tablet when placing the tablet on the product. Do not place things extremely heavier than a tablet on the product.

■ Wallmount bracket (fixed installation to wall)

At first, please consult your dealer to install the product with the Wallmount bracket. To install the product onto a wall, use the Wallmount bracket, screws and bolts included in the package. Please check and follow the notes below before the work to keep you and your surrounding including the product safe.

⚠ **WARNING** ► Technical skills are required to install the product. Please do not attempt to perform the installation yourself. Please confer with your sales agent about the installation of this product before contracting a service specialist.

► Employ the services of a tradesman to perform the installation.

► Hitachi will not be held responsible for any accidents or injuries resulting from incorrect mounting or improper use of this product.

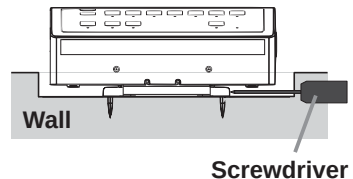
To sales agents and tradesmen

- For your customers' safety, be sure that the point where you attach the wallmount bracket has sufficient strength to bear the weight of the product.
- The included screws are designed for wood only. Use anchor bolt to mount on a concrete wall.

The product can be mounted onto a wall in two ways, INSTALLATION 1 and 2. The installation on Wallmount bracket depends on which direction you want to lay the cables and how you want to mount it onto a wall. We recommend INSTALLATION 1 more, but use the method INSTALLATION 2 in cases as following;

- The product is going to be mounted in a hollow difficult to screw the bracket from side.
- The product may be moved often after installation.

Please refer to the following instruction for installation procedure.



NOTE • INSTALLATION 2 can be used only when having the cables go downward.

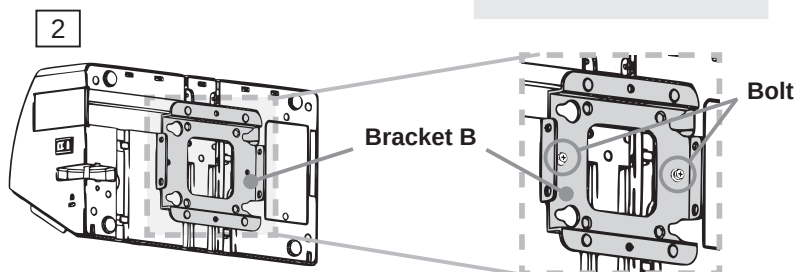
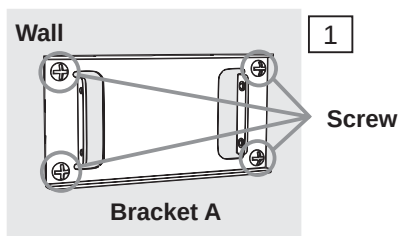
- The included screws are designed for wood only. Use anchor bolts to mount on a concrete wall. (The screw diameter and length : $\Phi 11$, W6x(10+20))

INSTALLATION 1

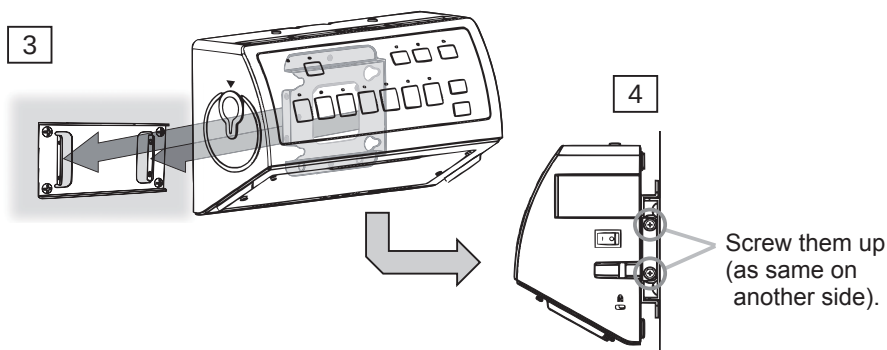
This procedure uses all, bracket A and B, 4 screws and 6 bolts. The product is going to be fixed firmly.

NOTE • Please check beforehand if there is enough space to tighten the bolts to fix the product onto the wall.

1. Mount the bracket A onto a wall using the included screws.
2. Attach the bracket B to the back side of product with 2 bolts as the drawings below.



3. Align the bracket A and B.
4. Fix the bracket A and B with bolts from the side at the four corners.

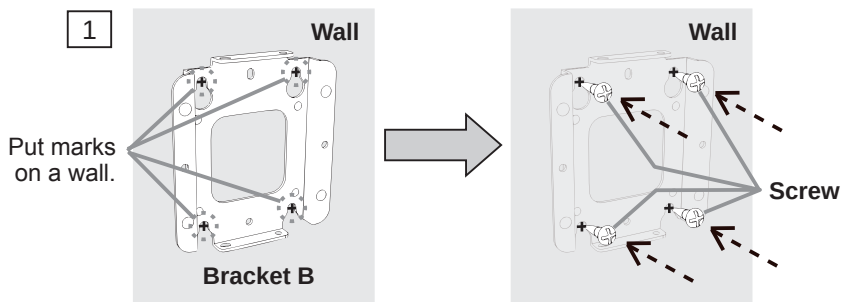


NOTE • Please remind to prepare enough space to access the bolts for screwdriver.

INSTALLATION 2

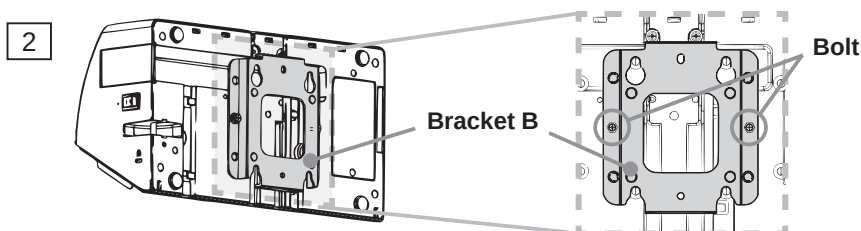
This procedure uses bracket B, 4 screws and 2 bolts. The product is going to be hang on the wall so that it can be used only when having the cables go downward.

1. Put marks on the wall at the hole position of the bracket B. Then, tighten the screws at the marked exactly.

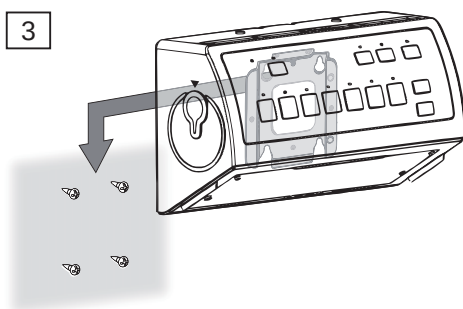


NOTE • Try hooking the bracket B to check if the screw position and the gap between the wall are proper. Do not over tighten the screws.

2. Attach the bracket B to the back side of product with 2 bolts as the drawings below.



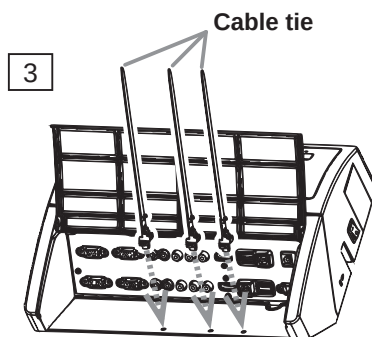
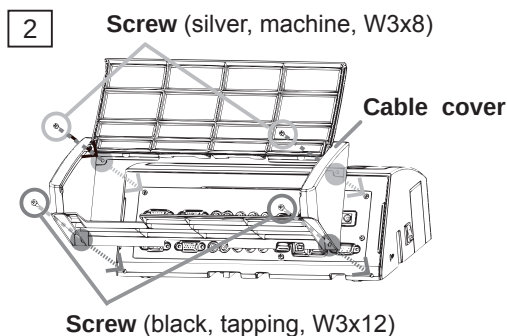
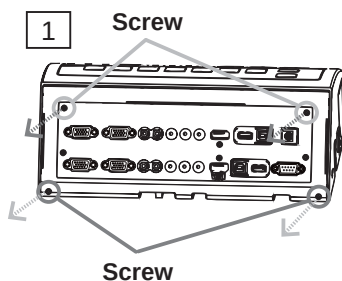
3. Hang the product onto the screws.



■ Cable cover and cable tie

Please attach the cable cover to avoid dust, especially chalk dust. Also attach the cable ties to keep cables without fixing screws from falling out as needed.

1. Release the 4 screws indicated in the drawings.
2. Align the screw holes on the cable cover and the switcher unit, and fasten them with the 4 screws released beforehand.
3. Fix the cable ties at the holes in the cable cover as directed in the drawing.

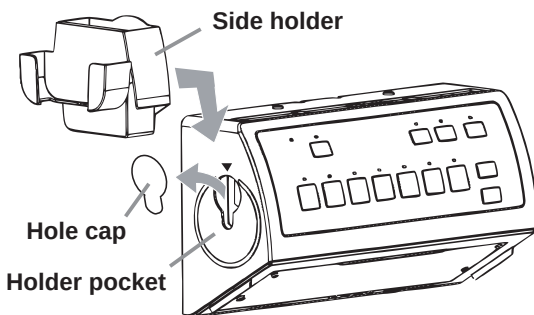
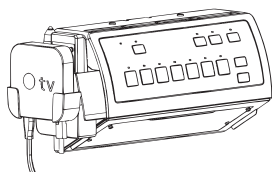


NOTICE ► Be aware that the screws are 2 kinds, silver and black, machine and tapping. Both the screw and screw hole might become useless if they were tried to fasten in wrong pair.

■ Side holder

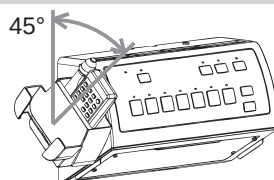
Attach the side holder for convenience to keep accessories such as an Apple TV®, a remote control and interactive pens, which are often used with the projector.

Take off the hole cap and hook the side holder in the holder pocket as directed in the drawings. Push down the holder until the mark “▼” on the switcher unit can see above the holder.



⚠CAUTION ► The side holder can turn up to 45 degrees. Do not try to turn moreover to avoid breakage.

► Put the interactive pens making their nibs upward to avoid unexpected operation and futile consumption.

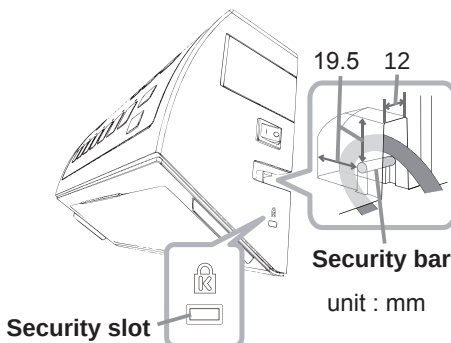


■ Security tool

A commercially available anti-theft chain or wire can be attached to the security bar on the product. Refer to the figure to choose an anti-theft chain or wire.

Also this product has the security slot for the Kensington lock.

For details, see the manual of the security tool.



⚠WARNING ► Do not use the security bar and slot to prevent the product from falling down, since it is not designed for it.

NOTE • The security bar and slot is not comprehensive theft prevention measures. It is intended to be used as supplemental theft prevention measure.

Connecting

Before connecting the product to a device, please consult the manual of the device to confirm that the device is suitable for connecting with this product and prepare the required accessories such as a cable in accord with the signal of the device.

Please check and follow the notes below before the work to keep you and your surrounding including the product safe.

⚠ **WARNING** ► Use only the appropriate accessories. Otherwise it could cause a fire or damage the product and devices.

- Use only the accessories specified or recommended by the product's manufacturer. It may be regulated under some standard.
- Neither disassemble nor modify the product and the accessories.
- Do not use the damaged accessory. Be careful not to damage the accessories. Route a cable so that it is neither stepped on nor pinched out.
- Please pay extra caution when connecting the power cord and the AC adapter, as incorrect or faulty connections may result in fire and/or electrical shock.
- Do not touch them with a wet hand.
- Only use the power cord and the AC adapter that came with the product.
- Only plug the power cord into an outlet whose voltage is matched to the power cord. The power outlet should be close to the product and easily accessible. Remove the power cord for complete separation.
- Do not distribute the power supply to multiple devices. Doing so may overload the outlet and connectors, loosen the connection, or result in fire, electric shock or other accidents.
- Heat may build up in the USB wireless adapter, to avoid possible burns for more than 10min. before touching it.

⚠ **CAUTION** ► Before removing the USB storage device from the product, be sure to use the REMOVE USB function of the projector to secure your data.

- Do not connect any other wireless adapter to the product except the sold as an option of the projector.
- Do not use any extension cable or device when connecting the USB wireless adapter to the product.
- Before you insert or pull out the USB wireless adapter from the product, turn off the power of the product. Do not touch the USB wireless adapter while the product is on.

(continued on next page)

- NOTE • Do not turn on or off the product while connected to a device in operation, unless that is directed in the manual of the device. Otherwise it may cause malfunction in the device or product.
- Be careful not to mistakenly connect a connector to a wrong port. Otherwise it may cause malfunction in the connected devices.
 - When connecting a connector to a port, make sure that the shape of the connector fits the port.
 - Tighten the screws to connect a connector equipped with screws to a port.
 - Please use the cable tie to prevent cables without fixing screws from falling out as needed.
 - Some signal may need an adapter to input this product.
 - This product might not output proper signal depending on the signal input.
 - Be sure to use an HDMI™ cable that has the HDMI logo. Use a Category 2-certified HDMI™ cable to input 1080p@50/60 signal to the product.
 - When the product is connected with a device having DVI connector, use a DVI to HDMI™ cable to connect with the HDMI input.
 - Connect the **HDMI OUT** port to the **HDMI 1** port of the projector when the projector has multiple HDMI input ports.
 - If you would use simple mouse & keyboard function on the projector, it would be better to connect the projector (via the product) with single computer to prevent operation mistake.
 - If an oversized USB storage device blocks other ports, use a USB extension cable to connect the USB storage device.
 - Depending on the size of the plugs and the USB device, the cable cover may not be closed properly. Be careful not to break the cover by forcing it to be closed.

(continued on next page)

After making sure that the projector and the signal source devices are turned off, connect the signal source devices before power supply. Please refer to the figures in the next page.

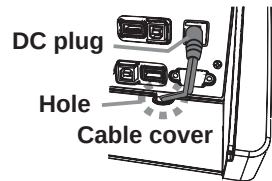
The ports with "**OUT**" are to connected with Hitachi projector, and those with "**IN**" except for **DC IN** are for signal source devices such as computers and DVD players. Connect the **CONTROL OUT** port of the product and the **CONTROL (IN)** port of the projector with RS-232C (cross) cable to control the projector from the product.

Connect the power cord to the AC adapter, and connect the DC plug to the **DC IN**. Plug in the power cord at last.

NOTICE ► The projector cannot be controled from the product when they are not connected with RS-232C.

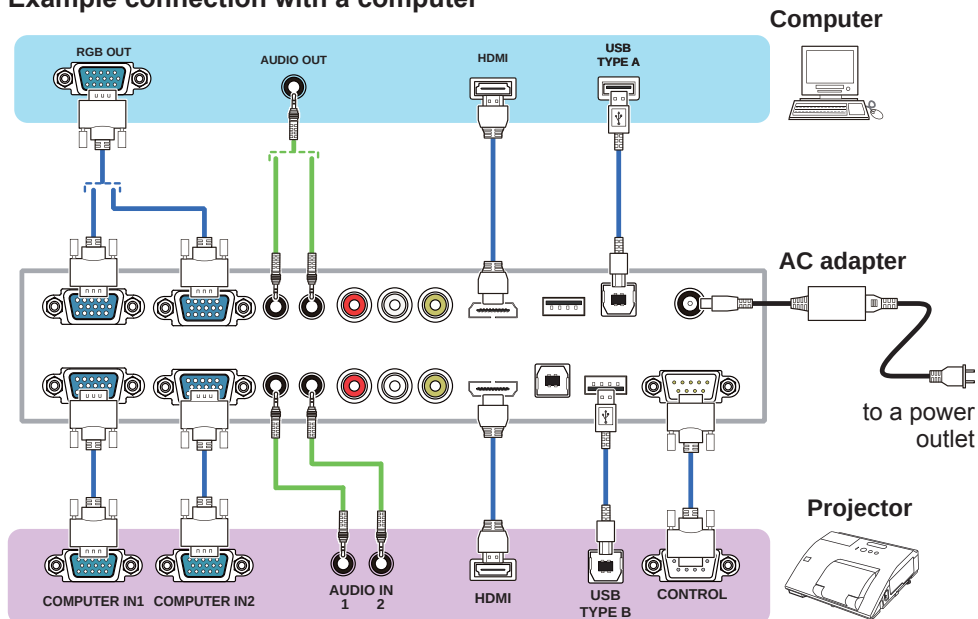
NOTE • When you have attached the cable cover, pass the DC plug through the hole in the cable cover to connect it.

• Please refer to the section "AC adapter" (8) to store the AC adapter and excess of its cord.

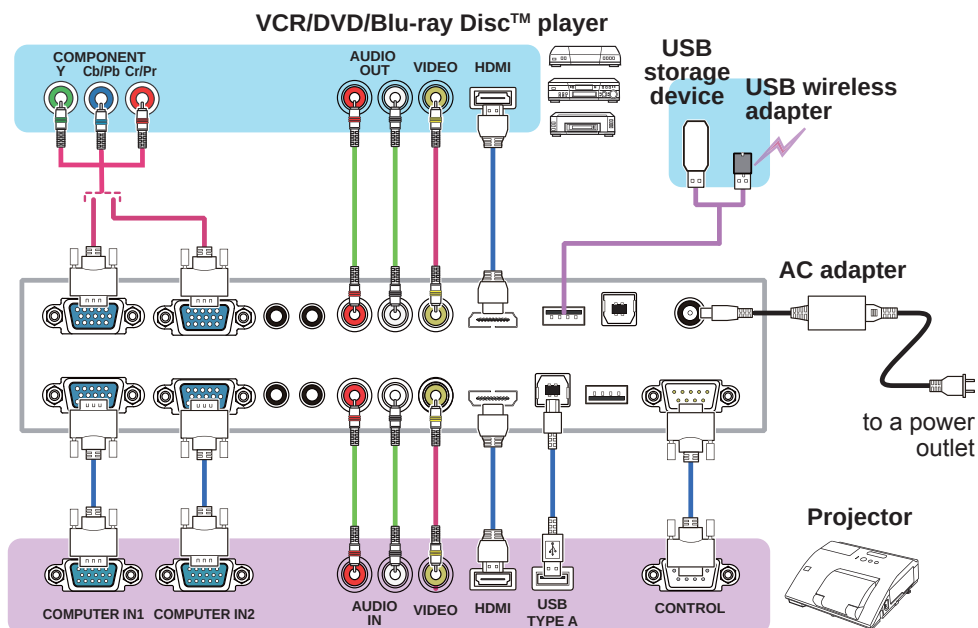


(continued on next page)

Example connection with a computer



Example connection with other equipment



Operating

Please check the connection with the projector, the signal source devices and power supply before usage.

A tablet can be put on the top of the product using the tablet arm. Please refer to the section "Tablet arm" (📖9) for more details.

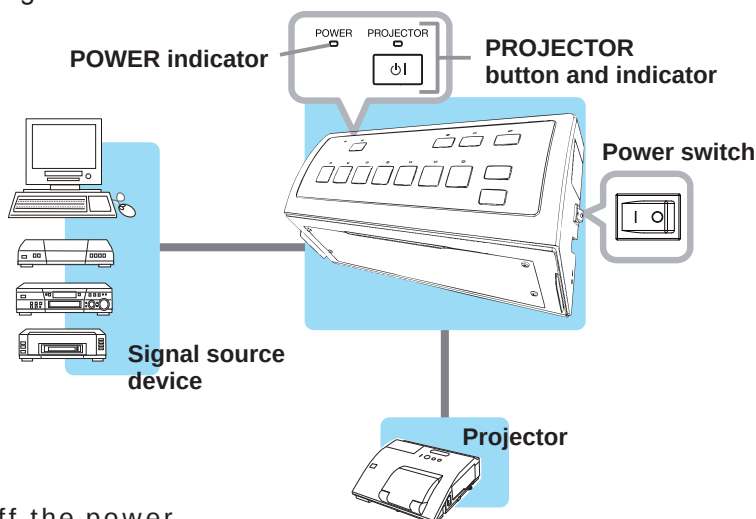
⚠️ **WARNING** ▶ Heat may build up in the USB wireless adapter, to avoid possible burns turn off the product for 10 minutes before touching the adapter.

⚠️ **CAUTION** ▶ Be sure to use the tablet arm to hold the tablet when placing the tablet on the product. Do not place things extremely heavier than a tablet on the product.

NOTE • Available functions and the time to display the picture vary depending on the specifications of the projector and relation between the signal source device. Please refer to their manuals about matters.

■ Turning on the power

1. Plug in the projector and make it standby state.
2. Turn the power switch on ("I" position) of the product and wait for a while until the **POWER** indicator lights in green and the **PROJECTOR** indicator lights in orange.
3. Turn on the signal source devices.

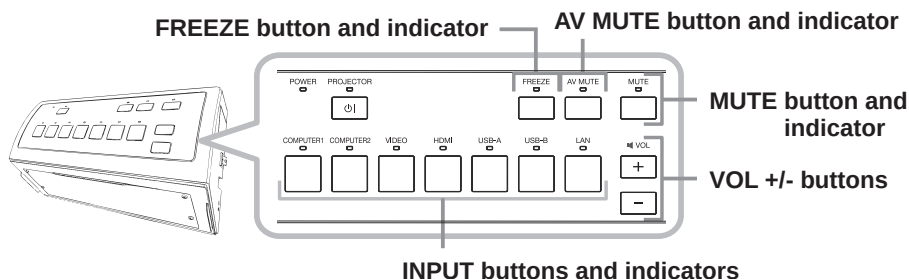


■ Turning off the power

1. Turn off the signal source devices.
2. Turn the power switch off ("O" position) of the product and check all the indicators turns off.

■ Controlling the projector

The buttons on the control panel can control the projector as below.



Turning on and off the power

Use the **PROJECTOR** button. Please refer to the section “Regarding the indicator lamps” (22) for the details of the projector status which the **PROJECTOR** indicator shows.

NOTE • Please remember that the projector is turned off by single press of the **PROJECTOR** button without displaying the message dialog to ensure.

Selecting an input signal

Use the **INPUT** buttons. The LED indicator shows which input is selected at the projector.

Temporarily turning off the screen and audio

Press the **AV MUTE** button. The **AV MUTE** indicator lights in green while active.

To restore the screen and audio, press one among **AV MUTE** button, **MUTE** button and **VOL +/-** buttons.

Temporarily muting the sound

Press the **MUTE** button. The **MUTE** indicator lights in green while active.

To restore the sound, press one among **MUTE** button and **VOL +/-** buttons.

Adjusting the volume

Use the **VOL +/-** buttons.

Temporarily freezing the screen

Press the **FREEZE** button. The **FREEZE** indicator lights in green while active.

To restore the screen, press the **FREEZE** button again.

NOTE • The buttons except for the **PROJECTOR** can be use only while the **PROJECTOR** indicator lights in green.

- Both of the **AV MUTE** and **MUTE** indicators may light when the AV MUTE function is active on a part of Hitachi projectors.
- A part of Hitachi projectors cannot be controled with those control buttons. Please ask your dealer for more details.

Maintenance

■ Inside of the product

In order to ensure the safe use of your product, please have it cleaned and inspected by your dealer about once every year.

■ Caring for the cabinet

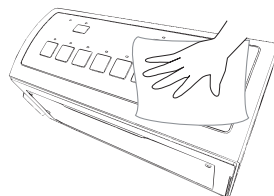
Incorrect care could have adverse influence such as discoloration, peeling paint, etc.

1. Turn the product off, and unplug the power cord.

Allow the product to cool sufficiently.

2. After making sure that the product is cool adequately, lightly wipe with gauze or a soft cloth.

If soiling is severe, dip soft cloth in water or a neutral cleaner dilute in water, and wipe lightly after wringing well. Then, wipe lightly with a soft, dry cloth.



⚠WARNING ►Before caring, make sure the power switch is off and the power cord is not plugged in, and then allow the product to cool sufficiently. The care in a high temperature state of the product could cause a burn and/or malfunction to the product.

►Never try to care for the inside of the product personally. Doing is so dangerous.

►Avoid wetting the product or inserting liquids in the product. It could result in a fire, an electric shock, and/or malfunction to the product.

- Do not put anything containing water, cleaner or chemicals near the product.
- Do not use aerosols or sprays.

⚠CAUTION ►Please take right care of the product according to the following. Incorrect care could cause not only an injury but adverse influence such as discoloration, peeling paint, etc.

- Do not use cleaners or chemicals other than those specified in this manual.
- Do not polish or wipe with hard objects.

Troubleshooting

If an abnormal operation should occur, stop using the product immediately.

⚠WARNING ► Never use the product if abnormal operations, such as smoke, strange odor, excessive sound, damaged casing or elements or cables, penetration of liquids or foreign matter, etc. should occur. In such cases, immediately disconnect the power plug from the power outlet. After making sure that the smoke or odor has stopped, contact to your dealer or service company.

Otherwise if a problem occurs with the product, the following checks and measures are recommended before requesting repair. If this does not resolve the problem, please contact your dealer or service company.

■ Regarding the indicator lamps

When operation of the **POWER** and **PROJECTOR** indicators differs from usual, check and cope with it according to the following table.

POWER	PROJECTOR	Description
lighting in green	-	The product is in an on state.
	off	The projector is off, or it is not connected with the product via RS-232.
	lighting in orange	The projector is in a standby state.
	blinking in orange	The projector is cooling down.
	lighting in green	The projector is in an on state.
	blinking in green	The projector is warming up.
	blinking in red	Some error is occurring in the projector.
off	off	The product is off. The power switch is off, or the AC adaptor or the power cord is not connected properly.

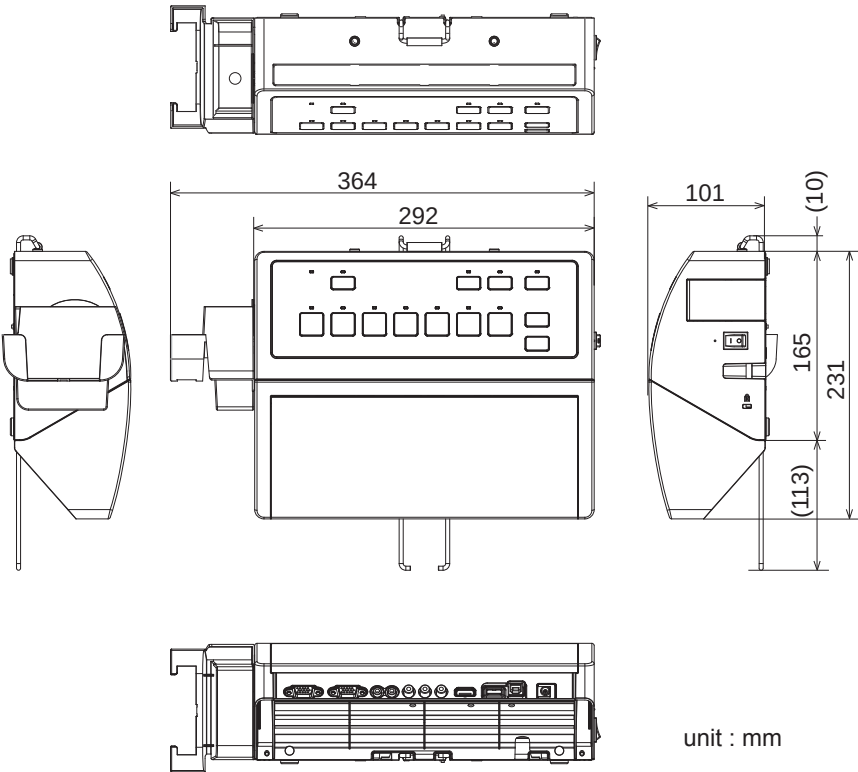
■ Phenomena that may be easy to be mistaken for machine defects
About the phenomenon confused with a machine defect, check and cope with it according to the following table. Please check also the manuals of the projector for the problem which seems to occur at the projector.

Phenomenon	Cases not involving a machine defect	Ref. page
Power does not come on.	The power is not supplied. Check if the power cord is plugged in, the AC adapter is connected, and the power switch is turned on.	17, 18, 19
Picture or/and sound are not outputted.	The signal cables are not correctly connected. Check if the ports and cables are connected properly.	18
	Signal sources have not correctly worked. Correctly set up the signal source device by referring to the manual of the source device.	—
	The input changeover settings are mismatched. Check if the intended signal is selected.	20
	The AV MUTE function is working. Press one among AV MUTE button, MUTE button and VOL +/- buttons.	20
(only for sound)	The MUTE function is working. Press one among MUTE button and VOL +/- buttons.	20
	The volume is adjusted to an extremely low level. Use the VOL + / - buttons to adjust the volume.	20
Video screen display freezes.	The FREEZE function is working. Press FREEZE button to restore the screen to normal.	20
Control buttons do not work.	The product and the projector have not connected via RS-232C properly. Check if they are connected with RS-232C (cross) cable firmly.	17, 18
	The power is not supplied to the projector, or the projector has some problem. Refer to the manual of the projector to cope with it.	—

Specifications

Item	Specification
Product name	Interface Switcher
Power supply/ Rated current	AC 100-120 V: 0.2 A, AC 220-240 V: 0.2 A
Power consumption	AC 100-120 V: 9 W, AC 220-240 V: 9 W
Temperature range	5 ~ 40 °C (Operating)
Size	292 (W) x 165 (H) x 101 (D) mm: Only the switcher unit 364 (W) x 231 (H) x 101 (D) mm: Including side holder and cable cover * Not including protruding parts. Please refer to the figures in the next page.
Weight (mass)	approx. 1.0 kg: Only the switcher unit approx. 1.4 kg: Including side holder, tablet arm and cable cover
Ports	COMPUTER IN1 D-sub 15 pin mini jack x1 COMPUTER IN2 D-sub 15 pin mini jack x1 HDMI IN HDMI connector x1 VIDEO IN RCA jack x1 AUDIO IN1 3.5 mm (stereo) mini jack x1 AUDIO IN2 3.5 mm (stereo) mini jack x1 AUDIO IN3 (L, R) RCA jack x2 USB IN TYPE A USB type A connector x1 USB IN TYPE B USB type B connector x1 COMPUTER OUT1 D-sub 15 pin mini jack x1 COMPUTER OUT2 D-sub 15 pin mini jack x1 HDMI OUT HDMI connector x1 VIDEO OUT RCA jack x1 AUDIO OUT1 3.5 mm (stereo) mini jack x1 AUDIO OUT2 3.5 mm (stereo) mini jack x1 AUDIO OUT3 (L, R) RCA jack x2 USB OUT TYPE A USB type A connector x1 USB OUT TYPE B USB type B connector x1 CONTROL OUT D-sub 9 pin plug x1
Optional parts	* Please consult your dealer about optional parts for the product and projector.

(continued on next page)



Warranty and after-service

If an abnormal operation (such as smoke, strange odor or excessive sound) should occur, stop using the product immediately.

If you could not resolve the problem after checking the section "Troubleshooting" (📖22, 23), please consult your dealer or service company. They will tell you what warranty condition is applied.

Please check the following web address where you may find the latest information for this product.

Product information and Manuals :	<u>http://www.hitachi-america.us/digitalmedia</u>
Production information :	<u>http://www.hitachidigitalmedia.com</u>
Direct link to manual download :	<u>http://www.hitachiserviceeu.com/support/guides/userguides.htm</u>

NOTE • The information in this manual is subject to change without notice.

- The illustrations in this manual are for illustrative purposes. They may differ slightly from your product.
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