

## Projector

IN5132/IN5132c/IN5142/IN5142c/IN5134/  
IN5134a/IN5134c/IN5144/IN5144a/IN5144c/  
IN5135/IN5135c/IN5145/IN5145c

### 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 (resumen)

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

### Manuale d'istruzioni (breve)

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.

### Bruksanvisning (koncis)

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

### Руководство пользователя (краткое)

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 (skrótowy)

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

### Panduan Pengguna (singkat)

Mohon dibaca panduan ini secara cermat untuk menjamin produk ini digunakan dengan benar.

دليل المستخدم (الموجز)  
يرجى قراءة دليل المستخدم بعناية لضمان الاستخدام الأمثل لهذا المنتج.

ENGLISH

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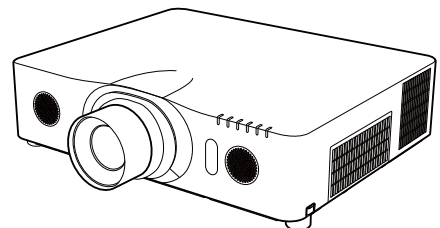
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ملاحظة • المعلومات الواردة بهذا الدليل عرضة للتغيير دون إخطار. • لا تتحمل الجهة المصنعة مسؤولية الأخطاء التي قد تظهر بهذا الدليل. • لا يجوز إعادة إنتاج أي جزء من هذه الوثيقة أو نقلها أو نسخها دون الحصول على موافقة كتابية بذلك.



Thank you for purchasing this projector.

Before using this projector, please read through this manual in order to use it safely.

⚠ **WARNING** ▶ Before using this product, read all manuals for this product. Afterwards, store the manuals in a safe place for future reference.  
▶ Heed all warnings and cautions in the manuals and displayed on the product.  
▶ Follow all the instructions in the manuals and 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 projector and all the accessories came with the projector.

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# Safety Information

## Symbol and headings explanation

The following symbols and headings are used for the manuals and the product as follows, for safety purposes. Please review and read this important information.

⚠WARNING This warns of a serious risk of personal injury or even death.

⚠CAUTION This warns of a risk of personal injury or physical damage.

NOTICE This warns of a potential for causing problems.

## Important safety instructions

The following instructions are designed to ensure the safe use of this product. Always follow these instructions when handling the product. The manufacturer assumes no responsibility for any damage caused by mishandling that is beyond normal usage defined in these projector manuals.

⚠WARNING ► Never use the product during or after an abnormal situation (for example, when the projector is smoking, smells strange, had a liquid spilled on it, had an object put inside it, is broken, etc.). If an abnormality should occur, unplug the projector immediately.

► Keep the product away from children and pets.

► Keep small parts away from children and pets. If parts are swallowed, consult a physician immediately for emergency treatment.

► Do not use the product when there is a threat of thunder and lightning.

► Unplug the projector from the power outlet when it is not in use.

► Do not connect the projector to a power supply when a lens unit is not attached to it.

► Do not open or remove any portion of the product, unless the manuals direct you so. Internal maintenance should only be accomplished by your dealer or their service personnel.

► Use only the accessories specified or recommended by the manufacturer.

► Do not modify the projector or accessories.

► Do not let any liquid or objects get inside of the product.

► Do not get the product wet.

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

► Do not apply a shock or pressure to this product.

- Do not place the product on an unstable place such as an uneven surface or a leaning table.

- Do not place the product in an unstable position. Place the projector so that it does not protrude from the surface which it is placed on.

- Hold the projector using the grips on the bottom of the projector when moving it.

- Remove all the attachments including the power cord and cables from the projector before carrying the projector.

► Do not look into the lens or openings of the projector, while the lamp is on.

► Stay away from the lamp cover and exhaust vents when the projection lamp is on and when the lamp has just gone out since they will be very hot.

# Regulatory notices

## About Electro-Magnetic Interference

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This product may cause interference if used in residential areas. Such use must be avoided unless the user takes special measures to reduce electromagnetic emissions to prevent interference to the reception of radio and television broadcasts.

### **In Canada**

This Class A digital apparatus complies with Canadian ICES-003.

### **In the US and places where the FCC regulations are applicable**

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 A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**INSTRUCTIONS TO USERS:** Some cables have to be used with a ferrite core. Use the accessory cable or a designated type cable for the connection. For cables that have a ferrite core on a single end, connect the ferrite core end 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.

## Regulatory notices (continued)

### About Waste Electrical and Electronic Equipment

#### **The following information is only for EU-member states:**

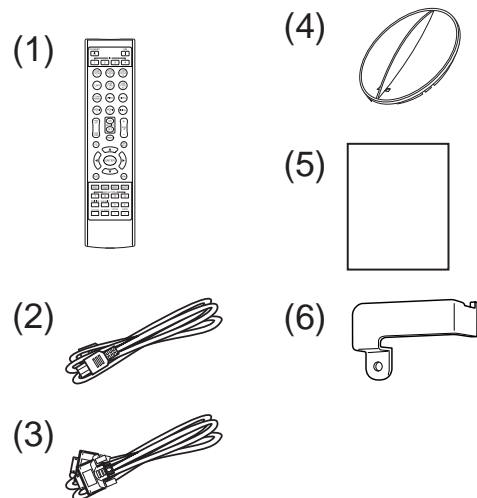
The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE). The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local laws.



### Contents of package

Your projector should come with the items shown below. Check that all the items are included. Contact your dealer immediately if any items are missing.

- (1) Remote control (batteries not included)
- (2) Power cord
- (3) Computer cable
- (4) Lens cover
- (5) User's manual (Book x 1)
- (6) Adapter cover



**⚠ WARNING** ► Keep small parts away from children and pets. Parts should not be placed in the mouth. If swallowed, consult a physician immediately for emergency treatment.

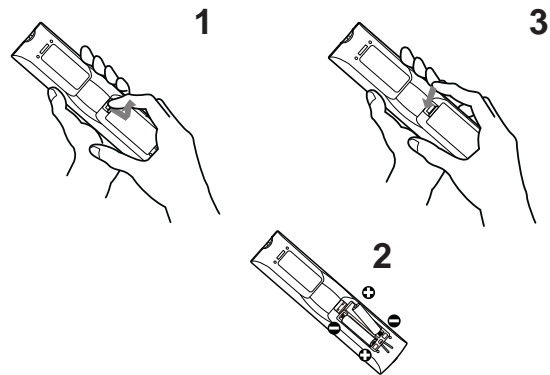
**NOTE** • Keep the original packing materials for future reshipment. Use the original packing materials when moving the projector. Use special caution for the lens.

• The projector may make a rattling sound when tilted, moved or shaken, since a flap to control the air flow inside of the projector will move. Be aware that this is not a failure or malfunction.

## Preparing for the remote control

Please insert batteries (batteries not included) into the remote control before using it. If the remote control appears to malfunction, replace the batteries first. Remove the batteries from the remote control and store them in a safe place when the remote will not be used for a length of time.

1. Holding the hook part of the battery cover, remove it.
2. Align and insert two AA batteries (**HITACHI MAXELL** or **HITACHI MAXELL ENERGY, Part No.LR6** or **R6P**) according to their plus and minus terminals as indicated in the remote control.
3. Replace the battery cover in the direction of the arrow and snap it back into place.



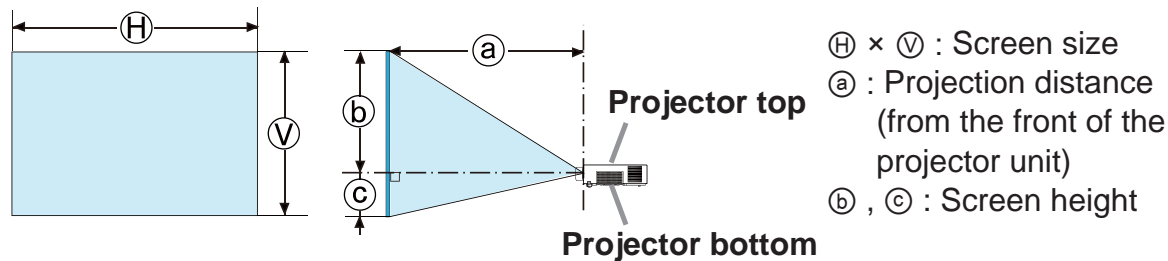
ENGLISH

- ⚠WARNING ► Always handle the batteries with care and use them only as directed. Improper use may result in battery explosion, cracking or leakage, which could result in fire, injury and/or pollution of the surrounding environment.
- When replacing the batteries, replace both of the batteries with new batteries of the same type. Do not use a new battery with a used battery.
  - Only use the batteries specified. Do not use batteries of different types at the same time. Do not mix a new battery with used one.
  - Make sure the plus and minus terminals are correctly aligned when loading a battery.
  - Keep a battery away from children and pets.
  - Do not recharge, short circuit, solder or disassemble a battery.
  - Do not place a battery in a fire or water. Keep batteries in a dark, cool and dry place.
  - If you observe battery leakage, wipe out the leakage and then replace a battery. If the leakage adheres to your body or clothes, rinse well with water immediately.
  - Obey the local laws when disposing of batteries.



## Arrangement

Refer to the following table and to tables **T-1** to **T-5** at the back of this manual to determine screen size and projection distance. The values shown in the table are calculated for a full size screen.



**△WARNING** ► Install the projector where you can access the power outlet easily.

► Install the projector in a stable horizontal position.

- Do not use any mounting accessories except the accessories specified by the manufacturer. Read and keep all accessory manuals.
- For special installations such as ceiling mounting, consult your dealer beforehand. Specific mounting accessories and services may be required.
- Do not position the projector on its side, front or rear.
- Do not attach or place anything on the projector unless otherwise specified in the manual.

► Do not install the projector near thermally conductive or flammable items.

► Do not place the projector where any oils, such as cooking or machine oil, are used.

► Do not place the projector in a place where it may get wet.

**△CAUTION** ► Place the projector in a cool place with sufficient ventilation.

- Keep a space of 30 cm or more between the side of the projector and other objects such as walls.
- Do not plug, block or cover the projector's ventilation holes.
- Do not place the projector in places that are exposed to magnetic fields. Doing so can cause the cooling fans inside the projector to malfunction.
- Avoid placing the projector in smoky, humid or dusty places.
- Do not place the projector near humidifiers.

**NOTICE** ► Position the projector to prevent light from directly hitting the projector's remote sensor.

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

► Verify the ALTITUDE setting in the OPTION>SERVICE menu is correct.

Under normal circumstances, it is recommended that it be set to AUTO. If the projector is using the wrong setting, it may cause damage to the projector itself or to the parts inside. For details, see **User's Manual - Operating Guide**.



## Connecting with your devices

Before connecting the projector to a device, review the device manual to ensure projector compatibility and to understand what accessories are needed for connection. Consult your dealer when the required accessory did not come with the product or the accessory is damaged.

After verifying that the projector and the devices are turned off, connect the equipment, according to the following instructions. Refer to figures **F-1** to **F-4** at the back of this manual.

For details, see **User's Manual - Operating Guide**. Before connecting the projector to a network system, read **User's Manual - Network Guide** too.

**⚠WARNING** ► Use only compatible accessories. Otherwise a fire or projector and device damage may occur.

- Use only the accessories specified or recommended by the projector's manufacturer. Some regulations or standards may apply.
- Do not disassemble or modify the projector or its accessories.
- Do not use a damaged accessory. Be careful not to damage the accessories. Route cables so that they are not pinched or stepped on.
- Heat may build up in the USB wireless adapter, to avoid possible burns disconnect the projector power cord for 10 minutes before touching the adapter.
- When using the USB wireless adapter, connect the adapter to the further **USB TYPE A** port from the **LAN** port and use the supplied adapter cover (📖🔑).

**⚠CAUTION** ► For a cable with a ferrite core at a single end, connect the end with the core to the projector. EMI regulations may apply.

- Before connecting the projector to a network system, obtain the consent of the network administrator.
- Do not connect the **LAN** port to any network that might have excessive voltage.
- The designated USB wireless adapter that is sold as an option uses the wireless network function of this projector. Before connecting the USB wireless adapter, turn off the power of the projector and disconnect the power cord.
- Before removing the USB storage device from the port of the projector, use the REMOVE USB function on the thumbnail screen to secure your data.

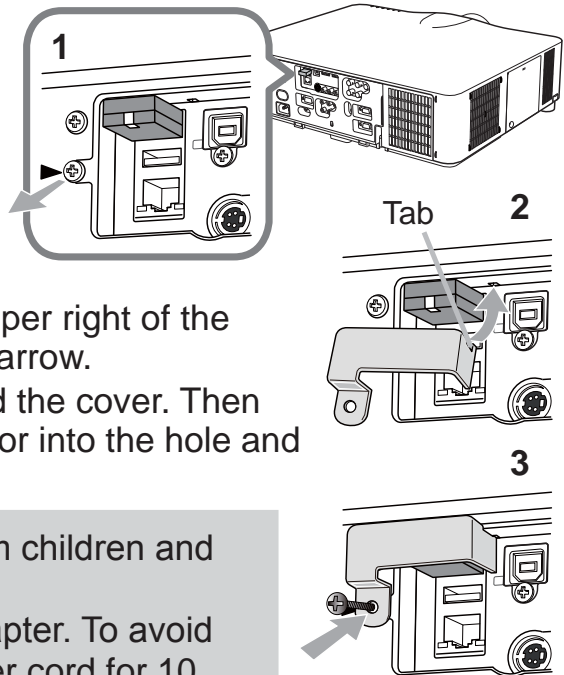
**NOTE** • Do not turn the projector on or off while connected to an operating device, unless directed by the device manual.

- Some input ports are user selectable. For details, see **User's Manual - Operating Guide**.
- Be careful not to connect a connector to a wrong port.
- If an oversized USB storage device blocks the **LAN** port, use a USB extension cable to connect the USB storage device.

## Fastening the adapter cover

When using the USB wireless adapter, be sure to connect the adapter to the **USB TYPE A** port furthest away from the **LAN** port and use the supplied adapter cover.

1. Loosen the screw (marked with triangle) on the bottom left of the **USB TYPE A** ports.
2. Insert the cover tab into the hole at the upper right of the **USB TYPE A** ports in the direction of the arrow.
3. Align the screw holes on the projector and the cover. Then insert the screw removed from the projector into the hole and tighten the screw.

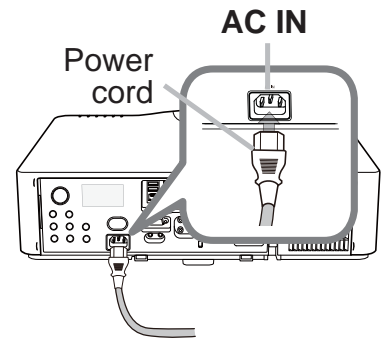


**⚠WARNING** ► Keep small parts away from children and pets. Do not put any parts into the mouth.  
► Heat may build up in the USB wireless adapter. To avoid possible burns disconnect the projector power cord for 10 minutes before touching the adapter.

## Connecting power supply

1. Plug the power cord into the **AC IN** (AC inlet) connector of the projector.
2. Firmly plug the power cord's plug into the outlet. In a couple of seconds after the power supply connection, the **POWER** indicator will become a steady orange.

Please remember that when the **DIRECT POWER ON** function is activated, the power supply connection will make the projector turn on.



**⚠WARNING** ► Do not connect the projector to a power supply when no lens unit is attached to it.

► Please use extra caution when connecting the power cord, as an incorrect or faulty connection may result in fire and/or electrical shock.

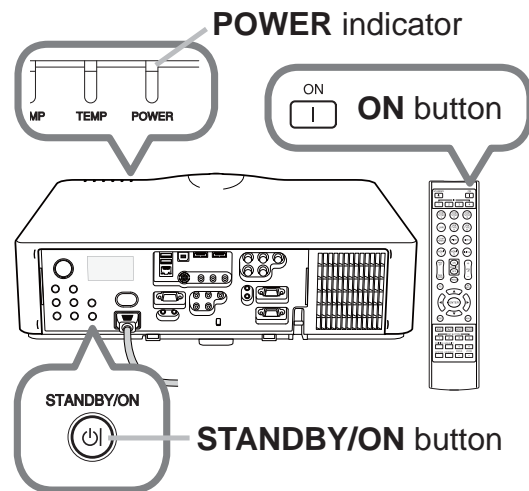
- Do not touch the power cord with a wet hand.
- Only use the power cord that came with the projector. If it is damaged, consult your dealer to get a new one. Never modify the power cord.
- Only plug the power cord into an outlet whose voltage is matched to the power cord. The power outlet should be close to the projector 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.
- Connect the ground terminal for the AC inlet of this unit to the ground terminal of the building using an appropriate power cord (bundled).

**NOTICE** ► This product is also designed for IT power systems with a phase-to-phase voltage of 220 to 240 V.

## Turning on the power

1. Make sure that the power cord is firmly and correctly connected to the projector and the outlet.
2. Make sure that the **POWER** indicator is steady orange. Then remove the lens cover.
3. Press the **STANDBY/ON** button on the projector or the **ON** button on the remote control.

The projection lamp will light up and the **POWER** indicator will begin blinking green. When the power is completely on, the indicator will stop blinking and become steady green.



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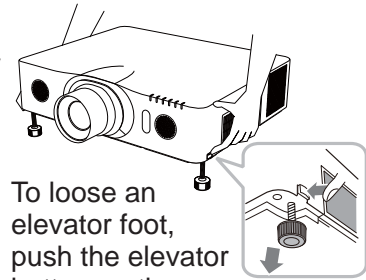
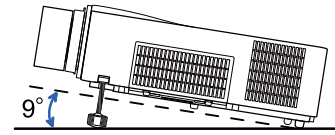
**⚠WARNING** ► A strong light is emitted when the projector's power is on. Do not look into the projector lens or look inside of the projector through any of the projector's openings.

**NOTE** • Power on the projector prior to any connected devices.  
• The projector has a **DIRECT POWER ON** function, which can cause the projector to turn on automatically. For more information, please see **User's Manual - Operating Guide**.

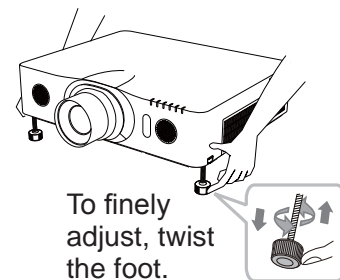
## Adjusting the projector's elevator

When the projector is placed on a slightly uneven surface, use the elevator feet to place the projector horizontally. Using the feet can also tilt the projector in order to project at a suitable angle (up to 9 degrees) to the screen.

This projector has 2 elevator feet and 2 elevator buttons. An elevator foot is adjustable when you push the elevator button which is on the same side.



1. Holding the projector, push the elevator buttons to loosen the elevator feet.
2. Position the front side of the projector to the desired height.
3. Release the elevator buttons in order to lock the elevator feet.
4. After verifying that the elevator feet are locked, put the projector down gently.
5. If necessary, the elevator feet can be manually twisted to make more precise adjustments. Hold the projector when twisting the feet.



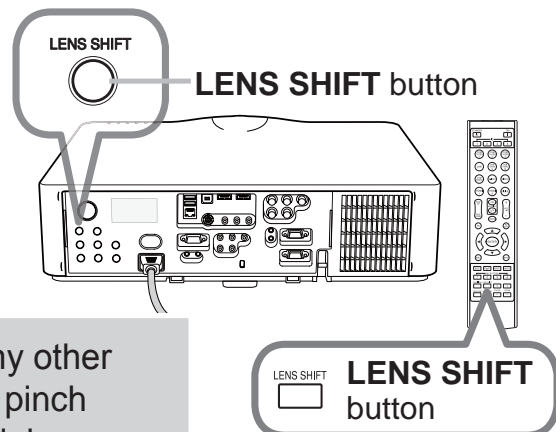
**⚠CAUTION** ► Do not handle the elevator buttons without holding the projector, since the projector may drop down.

► Do not tilt the projector more than 9 degrees using the adjuster feet. Tilting the projector beyond this limitation could cause projector malfunction and shorten the life of the consumables. **For the IN5142, IN5144, IN5144a and IN5145 only:** It is possible to install the IN5142, IN5144, IN5144a and IN5145 projector in any direction with specified mounting accessories. Consult with your dealer about such special installations.

## Adjusting the lens position

Shifting the lens position shifts the projection position.

After pressing the **LENS SHIFT** button on the control panel or the remote control, use the cursor buttons to shift the lens position.

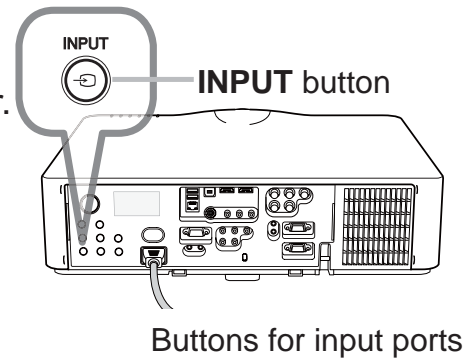


**⚠CAUTION** ► Do not put your fingers or any other items around the lens. The moving lens could pinch them in the space around the lens and cause injury.

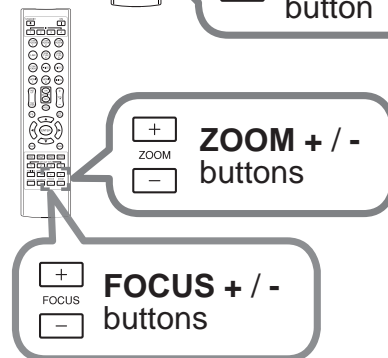
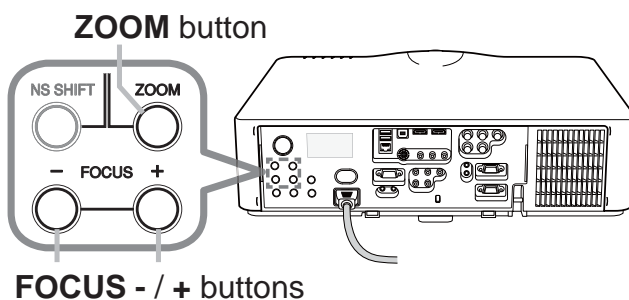
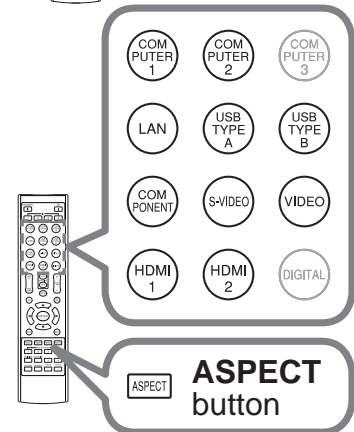
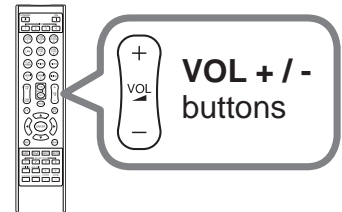
**NOTE** • The projector may ignore button operation when the lens is moving.  
• Generally, better image quality is available when the lens is set to the center.

## Displaying the picture

1. Activate your signal source. Turn the signal source on, and send the signal to the projector.
2. Press the **INPUT** button on the projector.  
Each time you press the button, the projector switches its input port in turn.  
You can also use the remote control to select an input signal. Press any of the buttons from **COMPUTER 1 / 2**, **LAN**, **USB TYPE A / B**, **HDMI 1 / 2**, **COMPONENT**, **S-VIDEO** or **VIDEO** to select the input signal from each port.
3. Use the **VOL + / -** buttons to adjust the volume.
4. Press the **ASPECT** button on the remote control.  
Each time you press the button, the projector switches the mode for aspect ratio in turn.
5. Use the **ZOOM + / -** buttons on the remote control or **ZOOM** button and **◀/▶** cursor buttons on the projector to adjust the screen size.
6. Use the **FOCUS + / -** buttons on the projector or the remote control to focus the picture.



ENGLISH



**⚠CAUTION** ► If you wish to have a blank screen while the projector's lamp is on, use the lens shutter or AV MUTE function (see **User's Manual - Operating Guide**). Taking any other action may cause the damage on the projector.

**NOTE** • The **ASPECT** button does not work when no proper signal is inputted.  
• For the details of how to adjust the picture, please see **User's Manual - Operating Guide**.

## Turning off the power

1. Press the **STANDBY/ON** button on the projector or the **STANDBY** button on the remote control.

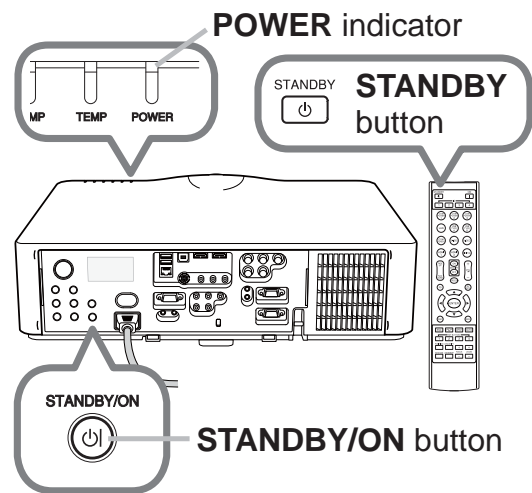
The message “Power off?” will appear on the screen for about 5 seconds.

2. Press the **STANDBY/ON** or **STANDBY** button again while the message appears.

The projector lamp will turn off, and the **POWER** indicator will begin blinking orange. Then the **POWER** indicator will stop blinking and become steady orange when the lamp is cooled sufficiently.

3. Attach the lens cover, after the **POWER** indicator becomes steady orange.

Do not turn the projector on for about 10 minutes or more after turning it off. Also, do not turn the projector off shortly after turning it on. Such operations might cause the lamp to malfunction or shorten the lifetime of some parts including the lamp.



⚠WARNING ► Do not touch around the lamp cover and the exhaust vents during use or just after use, since it is too hot.

► Remove the power cord for completely turn off the projector. The power outlet should be close to the projector and easily accessible.

NOTE • Power the projector off after all connected devices are powered off.  
• This projector has an AUTO POWER OFF function which can make the projector turn off automatically. For more information, please see **User's Manual - Operating Guide**.



# Replacing the lamp

A lamp has a finite product life. Using the lamp for long periods of time could cause the pictures to appear darker or the color tone to be poor. Note that each lamp has a different lifetime, and some may rupture or burn out soon after you start using them. It is recommended that you keep a spare lamp on hand. To order a new lamp, contact your dealer and tell them the lamp part number.

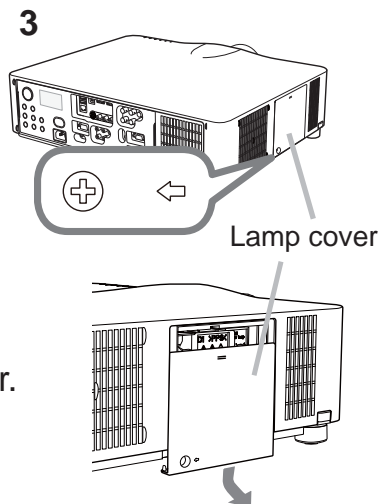
**Part number <IN5132, IN5134, IN5134a, IN5135> : SP-LAMP-080**

**Part number <IN5142, IN5144, IN5144a, IN5145> : SP-LAMP-081**

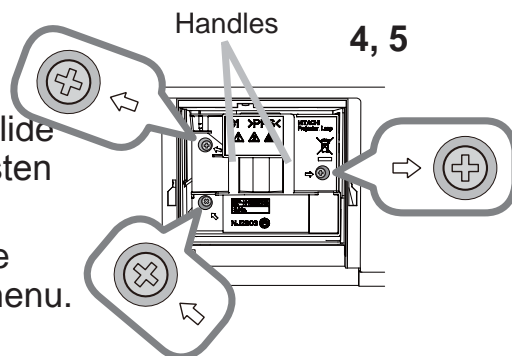
1. Turn the projector off, and unplug the power cord.  
Allow the projector to cool for at least 45 minutes.
2. Obtain a new lamp. If the projector is ceiling mounted, or if the lamp has broken, you can ask the dealer to replace the lamp for you, if desired.

In case of replacement by yourself, follow the following procedure.

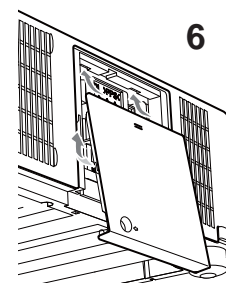
3. Loosen the lamp cover screw (marked by arrow) and then slide the lamp cover down and remove the cover.
4. Loosen the 3 lamp screws (marked by arrows), and slowly pull the lamp out by the handles. Never loosen any other screws.



5. Insert the new lamp, and retighten the 3 lamp screws firmly to lock them in place.
6. Align the lamp cover with the projector and slide the lamp cover back in place. Then firmly fasten the lamp cover screw.
7. Turn the projector on and reset the lamp time using the LAMP TIME item in the OPTION menu.



- (1) Press the **MENU** button to display the menu.
- (2) Highlight ADVANCED MENU in the menu using the ▼/▲ buttons, then press the ► button.
- (3) Highlight OPTION in the left column of the menu using the ▼/▲ buttons, then press the ► button.
- (4) Highlight LAMP TIME using the ▼/▲ buttons, then press the ► button. A dialog will appear.
- (5) Press the ► button to select "OK" on the dialog and reset the lamp time



**⚠CAUTION** ► Do not touch the inside of the projector, while the lamp is taken out.

**NOTE** • Only reset the lamp time after replacing the lamp to ensure proper functioning of the lamp counter.



## Replacing the lamp (continued)



**HIGH VOLTAGE**



**HIGH TEMPERATURE**



**HIGH PRESSURE**

**⚠ WARNING** ► The projector uses a high-pressure mercury glass lamp. The lamp may burn out or rupture with a loud bang if the lamp is jolted or scratched, handled while hot, or worn over time. Note that each lamp has a different lifetime, and some may rupture or burn out soon after you start using them. In addition, if the bulb ruptures, it is possible for shards of glass to fly into the lamp housing, and for gas containing mercury and dust containing fine particles of glass to escape from the projector's vent holes.

► **About disposal of a lamp:** This product contains a mercury lamp; do not put it in a trash. Dispose of it in accordance with environmental laws.

- For lamp recycling, go to [www.lamprecycle.org](http://www.lamprecycle.org) (in the US).
- For product disposal, consult your local government agency or [www.eiae.org](http://www.eiae.org) (in the US) or [www.epsc.ca](http://www.epsc.ca) (in Canada).

For more information, ask your dealer.



Disconnect  
the plug  
from the  
power  
outlet

- If the lamp should break (it will make a loud bang when it does), unplug the power cord from the outlet, and make sure to request a replacement lamp from your local dealer. Note that shards of glass could damage the projector's internals, or cause injury during handling, so please do not try to clean the projector or replace the lamp yourself.
- If the lamp should break (it will make a loud bang when it does), ventilate the room well, and make sure not to inhale the gas or fine particles that come out from the projector's vent holes, and not to get them into your eyes or mouth.
- Before replacing the lamp, turn the projector off and unplug the power cord, then wait at least 45 minutes for the lamp to cool sufficiently. Handling the lamp while hot can cause burns, as well as lamp damage



- Never unscrew anything except the designated (marked by an arrow) screws.
- Do not open the lamp cover while the projector is suspended from a ceiling. This is dangerous, since if the lamp's bulb has broken, the shards will fall out when the cover is opened. In addition, working in high places is dangerous, so ask your local dealer to have the lamp replaced even if the bulb is not broken.
- Do not use the projector with the lamp cover removed. At the lamp replacing, make sure that the screws are screwed in firmly. Loose screws could result in damage or injury.



- Use only specified lamps. Lamps which do not meet lamp specifications for this model could cause a fire, damage or shorten the life of this product.
- If the lamp breaks soon after the first time it is used, it is possible that there are electrical problems elsewhere besides the lamp. If this happens, consult your local dealer or service representative.
- Handle with care: jolting or scratching could cause the lamp bulb to rupture during use.
- Using the lamp for long periods of time can cause the lamp to become dim, not to light up or to rupture. When the pictures appear dark, or when the color tone is poor, please replace the lamp as soon as possible. Do not use old (used) lamps; this is a cause of breakage.

## Cleaning and replacing the air filter

Please check and clean the air filter periodically. When the indicators or a message prompts you to clean the air filter, comply with it as soon as possible. The filter unit with 2 sheets of filters is inside of the filter cover. In addition, the extra air filter is attached to inner side of the filter cover of **IN5142**, **IN5144**, **IN5144a** and **IN5145**. If one of the filters is damaged or heavily soiled, replace whole filter set with a new one.

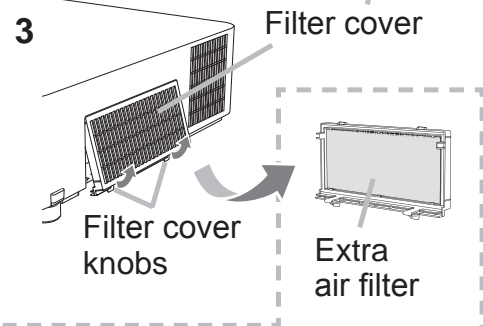
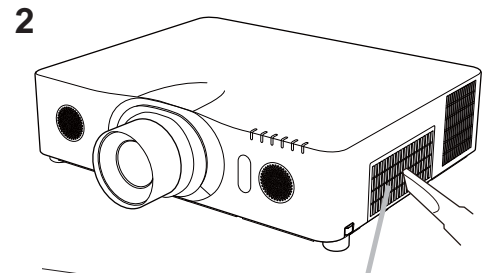
Request for a filter set with the following part number from your dealer when purchasing a new one.

**Part number <IN5132, IN5134, IN5134a, IN5135>: SP-FILTER-02**

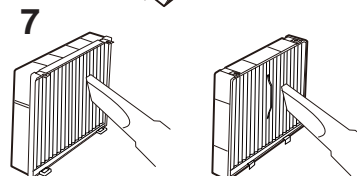
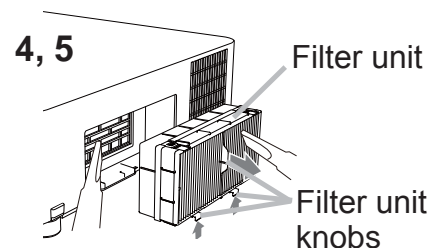
**Part number <IN5142, IN5144, IN5144a, IN5145>: SP-FILTER-03**

1. Turn the projector off, and unplug the power cord. Allow the projector to sufficiently cool down.
2. Use a vacuum cleaner on and around the filter cover.
3. Pick and pull up the filter cover knobs to take it off.
4. Press up slightly the bottom side knobs to unlock the bottom side of the filter unit. Pull the center knob to take the filter unit off.
5. Use a vacuum cleaner for the filter vent of the projector and the outer side of the filter unit.
6. The filter unit consists of two parts. Press down around the interlocking parts to unlock, then separate the two parts.
7. Use a vacuum cleaner for the inner side of each part of the filter unit to clean them up. If the filters are damaged or heavily soiled, replace them with the new ones.
8. Combine the two parts to reassemble the filter unit.
9. Put the filter unit back into the projector.

(continued on next page)



**<Only for IN5142, IN5144, IN5144a and IN5145>**



### ***Cleaning and replacing the air filter (continued)***

10. Put the filter cover back into the place.
11. Turn the projector on and reset the filter time using the FILTER TIME item in the EASY MENU.
  - (1) Press the **MENU** button to display the menu.
  - (2) Highlight FILTER TIME using the ▲/▼ cursor buttons, then press the ► cursor (or the **ENTER** / the **RESET**) button. A dialog will appear.
  - (3) Press the ► cursor button to select the “OK” on the dialog. It resets the filter time.

⚠WARNING ► Before taking care of the air filter, make sure the power cable is not plugged in, then allow the projector to cool sufficiently.

► Use only the air filter of the specified type. Do not use the projector without the air filter or the filter cover. It could result in a fire or malfunction to the projector.

► Clean the air filter periodically. If the air filter becomes clogged by dust or the like, internal temperatures rise and could cause a fire, a burn or malfunction to the projector.

NOTE • Please reset the filter time only when you have cleaned or replaced the air filter to ensure proper air filter messages.

• The projector may display the message such as the “CHECK THE AIR FLOW” or turn off the projector, to prevent the internal heat level rising.

# Specifications

Item	Specification
Product name	Liquid crystal projector
Liquid Crystal Panel	<b>IN5132, IN5142:</b> 786,432 pixels (1024 horizontal x 768 vertical) <b>IN5134, IN5134a, IN5144, IN5144a:</b> 1,024,000 pixels (1280 horizontal x 800 vertical) <b>IN5135, IN5145:</b> 2,304,000 pixels (1920 horizontal x 1200 vertical)
Lamp	<b>IN5132, IN5134, IN5134a, IN5135:</b> 245W UHP <b>IN5142, IN5144, IN5144a, IN5145:</b> 330W UHP
Speaker	8 W x2
Power supply, Rated current	<b>IN5132, IN5134, IN5134a, IN5135:</b> AC100-120 V: 3.8 A, AC220-240 V: 1.9 A <b>IN5142, IN5144, IN5144a, IN5145:</b> AC100-120 V: 4.9 A, AC220-240 V: 2.4 A
Power consumption	<b>IN5132, IN5134, IN5134a, IN5135:</b> AC100-120 V: 375 W, AC220-240 V: 355 W <b>IN5142, IN5144, IN5144a, IN5145:</b> AC100-120 V: 480 W, AC220-240 V: 455 W
Temperature range	<b>IN5132, IN5134, IN5134a, IN5135:</b> 0 ~ 40 °C (Operating) <b>IN5142, IN5144, IN5144a, IN5145:</b> 0 ~ 45 °C (Operating) * When the projector is used at high altitudes, even with the <b>IN5142, IN5144, IN5144a</b> or <b>IN5145</b> , the service life of the optical components may be reduced by peripheral temperatures of over about 40°C. It is recommended to reduce the temperature as far as possible.
Size	498 (W) x 135 (H) x 396 (D) mm * Not including protruding parts. Refer to figure <b>F-5</b> at the back of this manual.
Weight (mass)	<b>IN5132, IN5134, IN5134a:</b> approx. 8.3 kg <b>IN5135:</b> approx. 8.6 kg <b>IN5142, IN5144, IN5144a, IN5145:</b> approx. 8.7 kg

(continued on next page)

## Specifications (continued)

Item	Specification
Ports	<b>COMPUTER IN1</b> ..... D-sub 15 pin mini jack x1 <b>COMPUTER IN2</b> (H, V, G/Y, B/Cb/Pb, R/Cr/Pr) ... BNC jack x5 <b>HDMI 1</b> ..... HDMI connector x1 <b>HDMI 2</b> ..... HDMI connector x1 <b>MONITOR OUT</b> ..... D-sub 15 pin mini jack x1 <b>COMPONENT</b> (Y, Cb/Pb, Cr/Pr) ..... RCA jack x3 <b>S-VIDEO</b> ..... Mini DIN 4 pin jack x1 <b>VIDEO</b> ..... RCA jack x1 <b>AUDIO IN1</b> ..... 3.5 mm (stereo) mini jack x1 <b>AUDIO IN2</b> ..... 3.5 mm (stereo) mini jack x1 <b>AUDIO IN3 (L, R)</b> ..... RCA jack x2 <b>AUDIO OUT (L, R)</b> ..... RCA jack x2 <b>USB TYPE A</b> ..... USB type A connector x2 <b>USB TYPE B</b> ..... USB type B connector x1 <b>CONTROL</b> ..... D-sub 9 pin plug x1 <b>LAN</b> ..... RJ45 jack x1 <b>REMOTE CONTROL IN</b> ..... 3.5 mm (stereo) mini jack x1 <b>REMOTE CONTROL OUT</b> ..... 3.5 mm (stereo) mini jack x1
Optional parts	<b>Lamp:</b> SP-LAMP-080 <IN5132, IN5134, IN5134a, IN5135> SP-LAMP-081 <IN5142, IN5144, IN5144a, IN5145> <b>Filter set:</b> SP-FILTER-02 <IN5132, IN5134, IN5134a, IN5135> SP-FILTER-03 <IN5142, IN5144, IN5144a, IN5145> <b>Lens unit:</b> LENS-069 (Fixed short throw lens) LENS-070 (Short throw lens) LENS-071 (Middle throw lens) LENS-072 (Long throw lens) LENS-073 (Ultra long throw lens) <b>USB wireless adapter:</b> SP-DONGLE-USB * For more information, please consult your dealer.

# Troubleshooting - Warranty and after-service

Never use the product during or after an abnormal situation (for example, when the projector is smoking, smells strange, had a liquid spilled on it, had an object put inside it, is broken, etc.). If an abnormality should occur, unplug the projector immediately.

Otherwise if a problem occurs with the projector, refer to the “Troubleshooting” sections of **User’s Manual - Operating Guide, Instant Stack Guide** and **Network Guide**, and run through the suggested checks.

If this does not resolve the problem, please consult your dealer or service company. They will tell you if your projector is still under warranty.

You can find the latest information for this projector at the following web address:.

**Product  
information and  
Manuals :**

**[www.infocus.com/support](http://www.infocus.com/support)**

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

• The illustrations shown in this manual are used for example purposes only.

Your projector may differ from the illustrations shown.

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• Be sure to read the “End User License Agreement for the Projector Software” on the next page.

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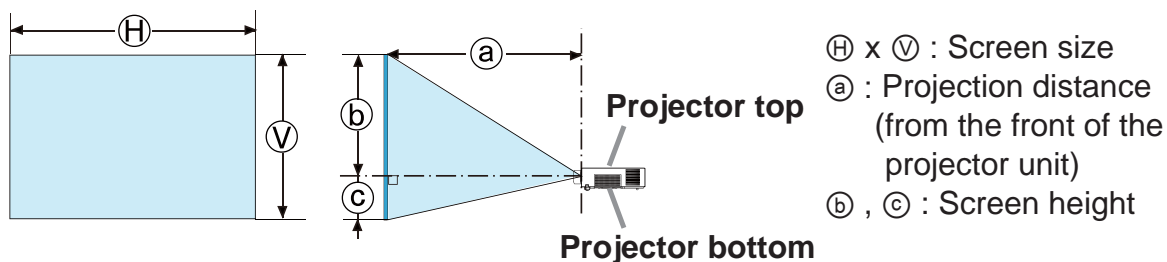
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# **T-1 IN5132/IN5132c with LENS-070**

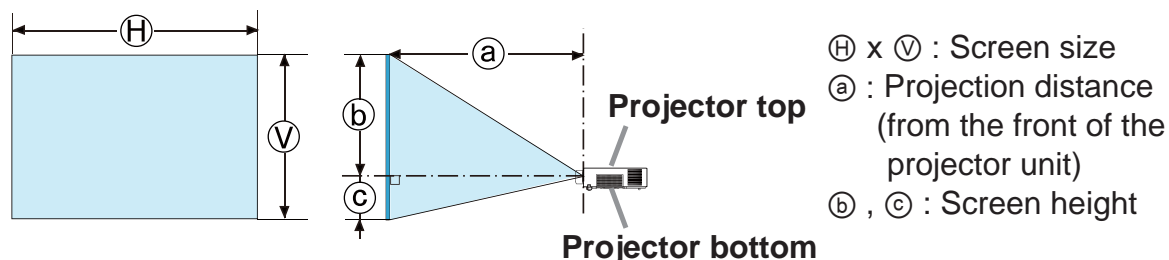
(1024 x 768, ±10%)

Screen type	4 : 3										16 : 9									
	Screen size		Projection distance				Screen height				Screen size		Projection distance				Screen height			
	(H)	(V)	(a) min.		(a) max.		(b)		(c)		(H)	(V)	(a) min.		(a) max.		(b)		(c)	
	(inch)	m	m	inch	m	inch	cm	inch	cm	inch	m	m	m	inch	m	inch	cm	inch	cm	inch
30	0.6	0.5	0.9	37	1.4	55	51	20	-6	-2	0.7	0.4	1.0	40	1.5	60	50	20	-12	-5
40	0.8	0.6	1.2	49	1.9	73	69	27	-8	-3	0.9	0.5	1.3	53	2.0	79	66	26	-17	-7
50	1.0	0.8	1.5	61	2.3	91	86	34	-10	-4	1.1	0.6	1.7	66	2.5	99	83	33	-21	-8
60	1.2	0.9	1.8	73	2.8	109	103	41	-11	-5	1.3	0.7	2.0	79	3.0	119	100	39	-25	-10
70	1.4	1.1	2.1	84	3.2	127	120	47	-13	-5	1.5	0.9	2.3	92	3.5	138	116	46	-29	-11
80	1.6	1.2	2.4	96	3.7	145	137	54	-15	-6	1.8	1.0	2.7	105	4.0	158	133	52	-33	-13
90	1.8	1.4	2.8	108	4.1	163	154	61	-17	-7	2.0	1.1	3.0	118	4.5	177	149	59	-37	-15
100	2.0	1.5	3.1	120	4.6	181	171	68	-19	-8	2.2	1.2	3.3	131	5.0	197	166	65	-42	-16
150	3.0	2.3	4.6	180	6.9	271	257	101	-29	-11	3.3	1.9	5.0	196	7.5	295	249	98	-62	-25
200	4.1	3.0	6.1	239	9.2	361	343	135	-38	-15	4.4	2.5	6.6	261	10.0	393	332	131	-83	-33
250	5.1	3.8	7.6	299	11.5	451	429	169	-48	-19	5.5	3.1	8.3	326	12.5	491	415	163	-104	-41
300	6.1	4.6	9.1	359	13.7	541	514	203	-57	-23	6.6	3.7	9.9	391	15.0	589	498	196	-125	-49
600	12.2	9.1	18.2	716	27.5	1081	1029	405	-114	-45	13.3	7.5	19.8	780	29.9	1178	996	392	-249	-98

# **T-2 IN5142/IN5142c with LENS-071**

(1024 x 768, ±10%)

Screen type	4 : 3										16 : 9									
	Screen size		Projection distance				Screen height				Screen size		Projection distance				Screen height			
	(H)	(V)	(a) min.		(a) max.		(b)		(c)		(H)	(V)	(a) min.		(a) max.		(b)		(c)	
	(inch)	m	m	inch	m	inch	cm	inch	cm	inch	m	m	m	inch	m	inch	cm	inch	cm	inch
30	0.6	0.5	0.9	37	1.9	73	46	18	0	0	0.7	0.4	1.0	40	2.0	80	44	17	-6	-2
40	0.8	0.6	1.2	49	2.5	97	61	24	0	0	0.9	0.5	1.4	53	2.7	106	58	23	-8	-3
50	1.0	0.8	1.6	61	3.1	121	76	30	0	0	1.1	0.6	1.7	67	3.4	132	73	29	-10	-4
60	1.2	0.9	1.9	73	3.7	146	91	36	0	0	1.3	0.7	2.0	80	4.0	159	87	34	-12	-5
70	1.4	1.1	2.2	86	4.3	170	107	42	0	0	1.5	0.9	2.4	93	4.7	185	102	40	-15	-6
80	1.6	1.2	2.5	98	4.9	194	122	48	0	0	1.8	1.0	2.7	106	5.4	211	116	46	-17	-7
90	1.8	1.4	2.8	110	5.5	218	137	54	0	0	2.0	1.1	3.0	120	6.0	238	131	51	-19	-7
100	2.0	1.5	3.1	122	6.2	242	152	60	0	0	2.2	1.2	3.4	133	6.7	264	145	57	-21	-8
150	3.0	2.3	4.6	183	9.2	363	229	90	0	0	3.3	1.9	5.1	199	10.0	396	218	86	-31	-12
200	4.1	3.0	6.2	244	12.3	484	305	120	0	0	4.4	2.5	6.7	266	13.4	527	291	114	-42	-16
250	5.1	3.8	7.7	305	15.4	605	381	150	0	0	5.5	3.1	8.4	332	16.7	659	363	143	-52	-20
300	6.1	4.6	9.3	366	18.4	725	457	180	0	0	6.6	3.7	10.1	398	20.1	790	436	172	-62	-25
600	12.2	9.1	18.6	731	36.8	1450	914	360	0	0	13.3	7.5	20.2	796	40.1	1580	872	343	-125	-49



### T-3 IN5134/IN5134a/IN5134c with LENS-070

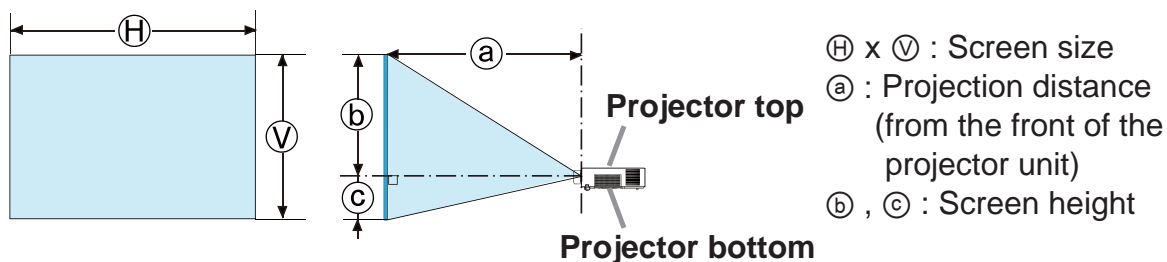
(1280 x 800, ±10%)

Screen type	16 : 10										4 : 3									
	Screen size		Projection distance				Screen height				Screen size		Projection distance				Screen height			
	(H)	(V)	(a) min.		(a) max.		(b)		(c)		(H)	(V)	(a) min.		(a) max.		(b)		(c)	
	(inch)	m	m	inch	m	inch	cm	inch	cm	inch	m	m	m	inch	m	inch	cm	inch	cm	inch
30	0.6	0.4	1.0	39	1.5	58	50	20	-10	-4	0.6	0.5	1.1	44	1.7	66	57	23	-11	-5
40	0.9	0.5	1.3	52	2.0	77	67	26	-13	-5	0.8	0.6	1.5	58	2.2	87	76	30	-15	-6
50	1.1	0.7	1.6	64	2.4	96	84	33	-17	-7	1.0	0.8	1.8	73	2.8	109	95	38	-19	-8
60	1.3	0.8	2.0	77	2.9	115	101	40	-20	-8	1.2	0.9	2.2	87	3.3	131	114	45	-23	-9
70	1.5	0.9	2.3	89	3.4	135	118	46	-24	-9	1.4	1.1	2.6	101	3.9	152	133	53	-27	-11
80	1.7	1.1	2.6	102	3.9	154	135	53	-27	-11	1.6	1.2	2.9	115	4.4	174	152	60	-30	-12
90	1.9	1.2	2.9	115	4.4	173	151	60	-30	-12	1.8	1.4	3.3	130	5.0	195	171	68	-34	-14
100	2.2	1.3	3.2	127	4.9	192	168	66	-34	-13	2.0	1.5	3.7	144	5.5	217	191	75	-38	-15
150	3.2	2.0	4.8	191	7.3	287	252	99	-50	-20	3.0	2.3	5.5	216	8.3	325	286	113	-57	-23
200	4.3	2.7	6.4	254	9.7	383	337	132	-67	-26	4.1	3.0	7.3	287	11.0	433	381	150	-76	-30
250	5.4	3.4	8.0	317	12.1	478	421	166	-84	-33	5.1	3.8	9.1	359	13.7	541	476	188	-95	-38
300	6.5	4.0	9.7	380	14.6	573	505	199	-101	-40	6.1	4.6	10.9	430	16.5	649	572	225	-114	-45
600	12.9	8.1	19.3	759	29.1	1146	1010	397	-202	-79	12.2	9.1	21.8	859	32.9	1297	1143	450	-229	-90

### T-4 IN5144/IN5144a/IN5144c with LENS-071

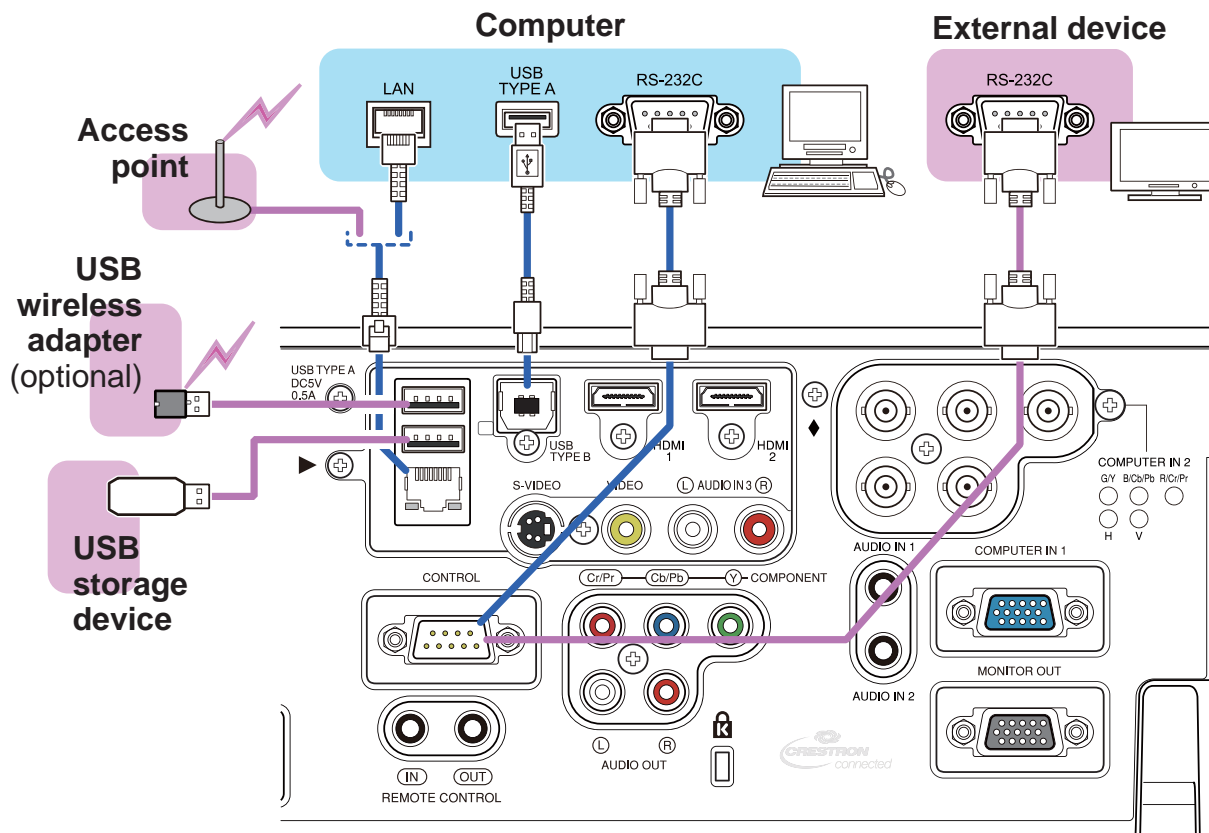
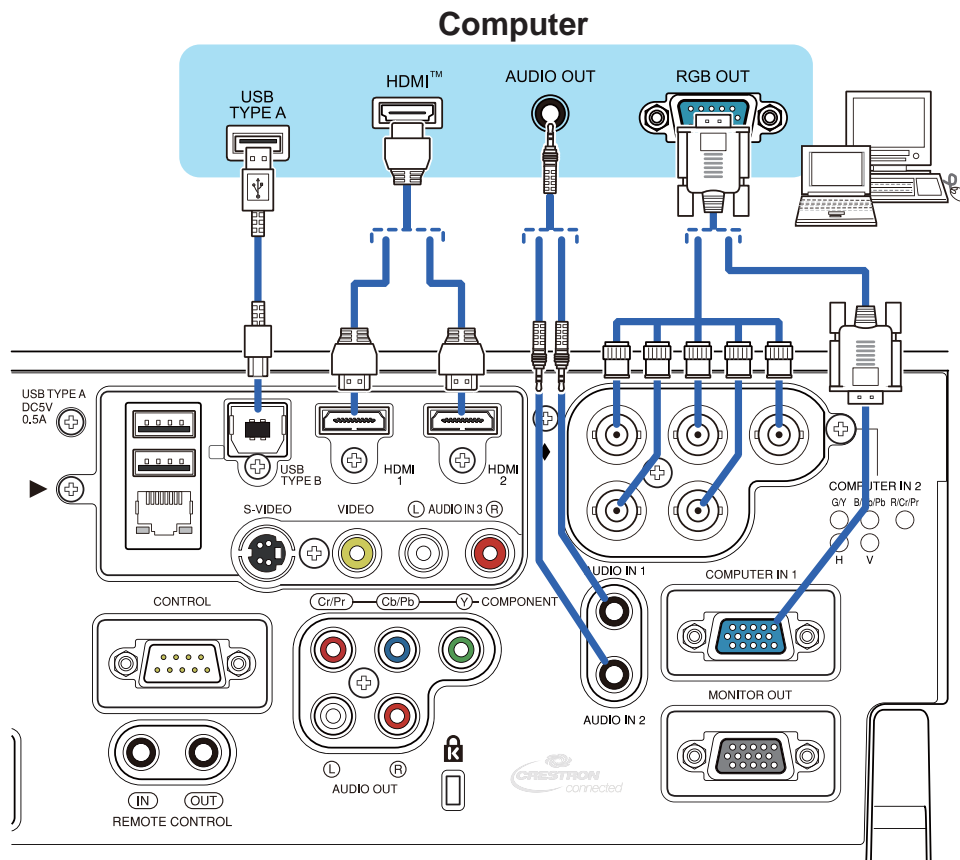
(1280 x 800, ±10%)

Screen type	16 : 10										4 : 3									
	Screen size		Projection distance				Screen height				Screen size		Projection distance				Screen height			
	(H)	(V)	(a) min.		(a) max.		(b)		(c)		(H)	(V)	(a) min.		(a) max.		(b)		(c)	
	(inch)	m	m	inch	m	inch	cm	inch	cm	inch	m	m	m	inch	m	inch	cm	inch	cm	inch
30	0.6	0.4	1.0	39	2.0	78	45	18	-4	-2	0.6	0.5	1.1	44	2.2	88	51	20	-5	-2
40	0.9	0.5	1.3	52	2.6	103	60	24	-6	-2	0.8	0.6	1.5	59	3.0	117	68	27	-7	-3
50	1.1	0.7	1.6	65	3.3	129	75	29	-7	-3	1.0	0.8	1.9	73	3.7	146	85	33	-8	-3
60	1.3	0.8	2.0	78	3.9	154	90	35	-9	-4	1.2	0.9	2.2	88	4.4	175	102	40	-10	-4
70	1.5	0.9	2.3	91	4.6	180	105	41	-10	-4	1.4	1.1	2.6	103	5.2	204	119	47	-12	-5
80	1.7	1.1	2.6	104	5.2	206	120	47	-12	-5	1.6	1.2	3.0	117	5.9	233	135	53	-14	-5
90	1.9	1.2	3.0	117	5.9	231	135	53	-13	-5	1.8	1.4	3.4	132	6.6	262	152	60	-15	-6
100	2.2	1.3	3.3	129	6.5	257	150	59	-15	-6	2.0	1.5	3.7	147	7.4	291	169	67	-17	-7
150	3.2	2.0	4.9	194	9.8	385	224	88	-22	-9	3.0	2.3	5.6	220	11.1	436	254	100	-25	-10
200	4.3	2.7	6.6	259	13.0	513	299	118	-30	-12	4.1	3.0	7.4	293	14.7	580	339	133	-34	-13
250	5.4	3.4	8.2	323	16.3	641	374	147	-37	-15	5.1	3.8	9.3	366	18.4	725	423	167	-42	-17
300	6.5	4.0	9.8	388	19.5	769	449	177	-45	-18	6.1	4.6	11.1	439	22.1	870	508	200	-51	-20
600	12.9	8.1	19.7	775	39.0	1537	897	353	-90	-35	12.2	9.1	22.3	877	44.2	1740	1016	400	-102	-40

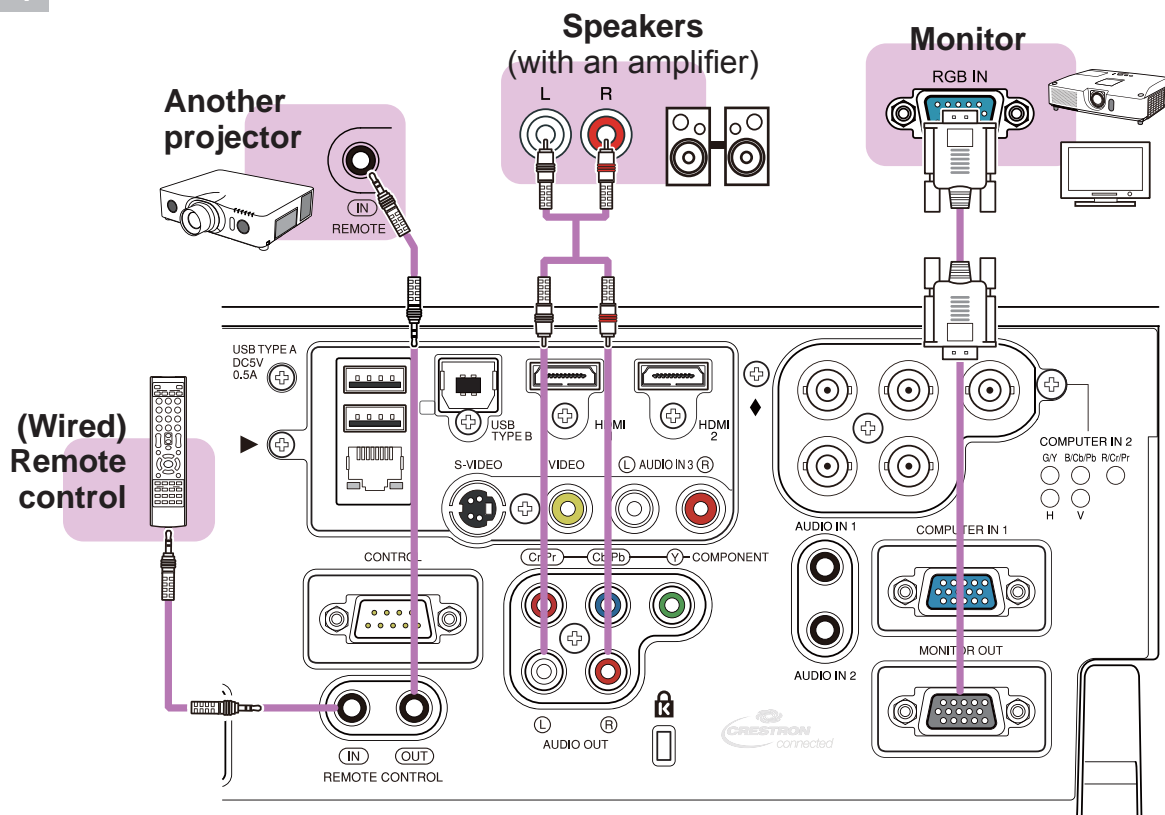
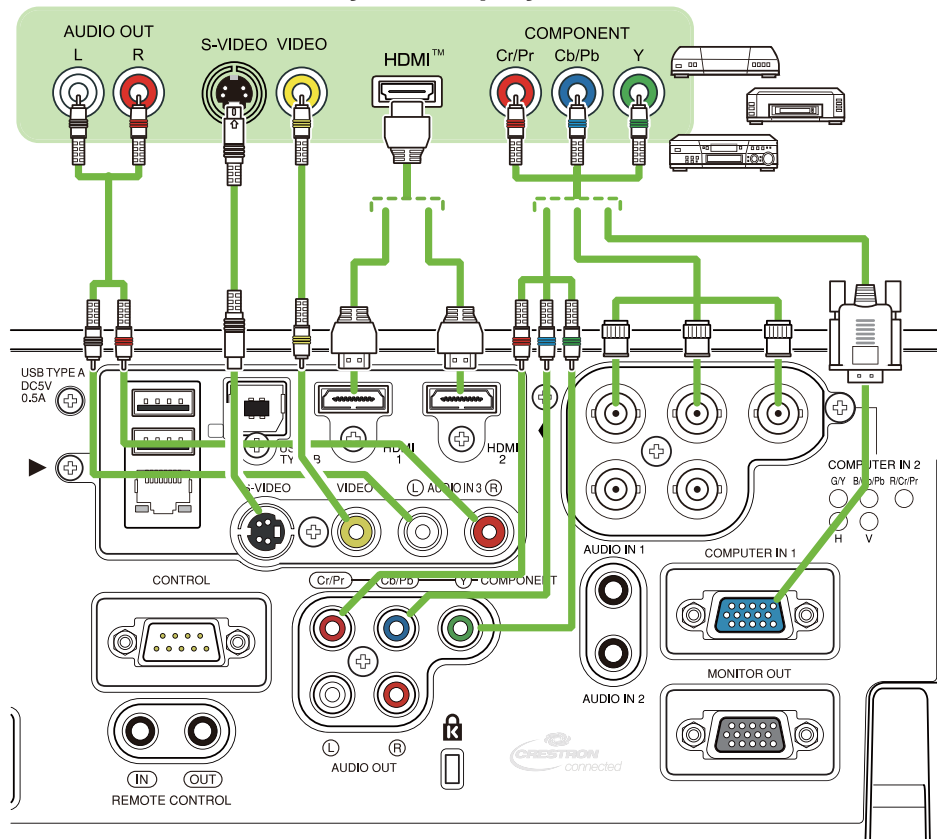


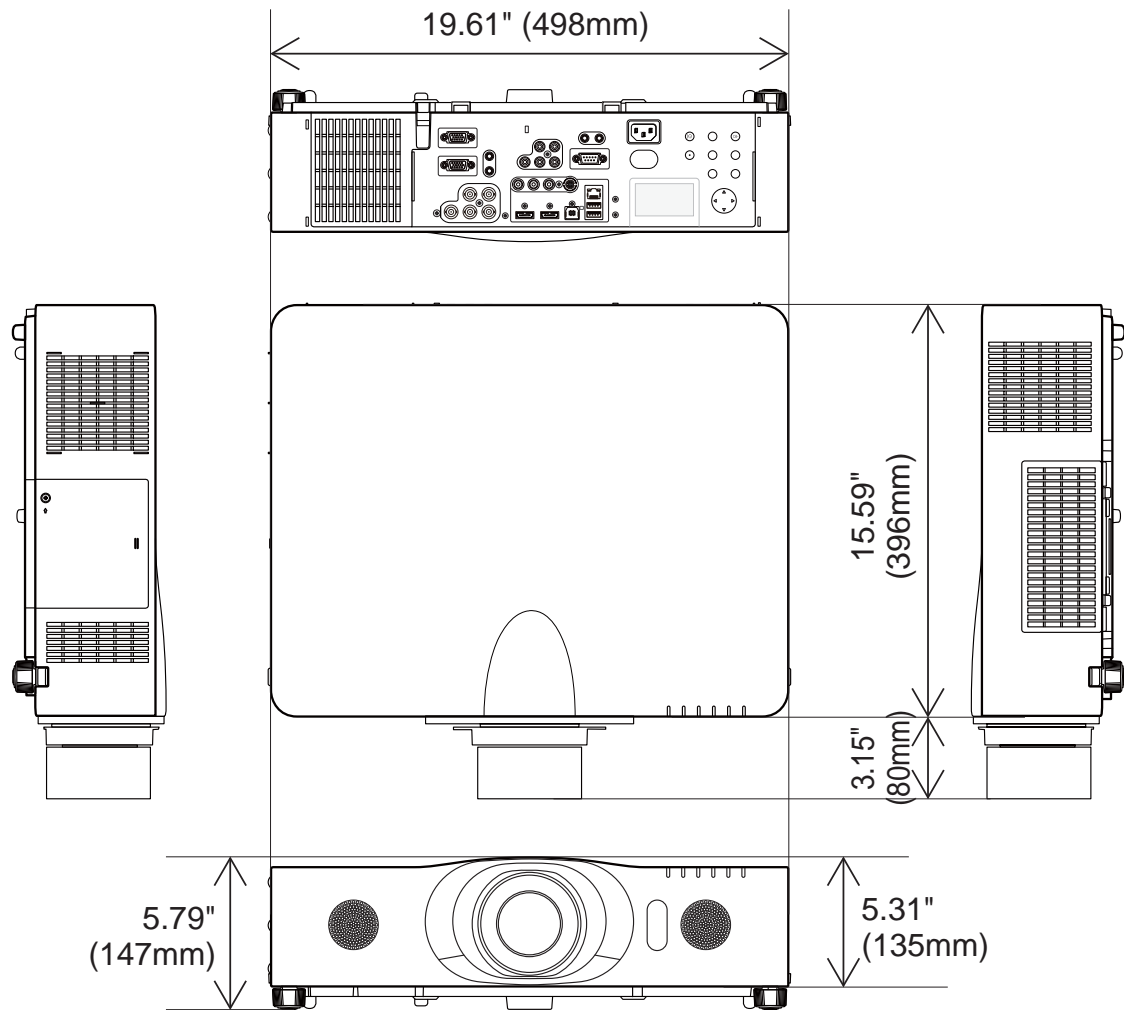
**T-5 IN5135/IN5135c/IN5145/IN5145c with LENS-071 (1920 x 1200, ±10%)**

Screen type	16 : 10										4 : 3									
	Screen size		Projection distance				Screen height				Screen size		Projection distance				Screen height			
	(H)	(V)	(a) min.		(a) max.		(b)		(c)		(H)	(V)	(a) min.		(a) max.		(b)		(c)	
(inch)	m	m	m	inch	m	inch	cm	inch	cm	inch	m	m	m	inch	m	inch	cm	inch	cm	inch
30	0.6	0.4	1.0	38	1.9	76	45	18	-4	-2	0.6	0.5	1.1	43	2.2	86	51	20	-5	-2
40	0.9	0.5	1.3	51	2.6	101	60	24	-6	-2	0.8	0.6	1.5	58	2.9	114	68	27	-7	-3
50	1.1	0.7	1.6	64	3.2	126	75	29	-7	-3	1.0	0.8	1.8	72	3.6	143	85	33	-8	-3
60	1.3	0.8	1.9	76	3.8	151	90	35	-9	-4	1.2	0.9	2.2	86	4.3	171	102	40	-10	-4
70	1.5	0.9	2.3	89	4.5	176	105	41	-10	-4	1.4	1.1	2.6	100	5.1	200	119	47	-12	-5
80	1.7	1.1	2.6	101	5.1	202	120	47	-12	-5	1.6	1.2	2.9	115	5.8	228	135	53	-14	-5
90	1.9	1.2	2.9	114	5.8	227	135	53	-13	-5	1.8	1.4	3.3	129	6.5	256	152	60	-15	-6
100	2.2	1.3	3.2	127	6.4	252	150	59	-15	-6	2.0	1.5	3.6	143	7.2	285	169	67	-17	-7
150	3.2	2.0	4.8	190	9.6	377	224	88	-22	-9	3.0	2.3	5.5	215	10.8	427	254	100	-25	-10
200	4.3	2.7	6.4	253	12.8	503	299	118	-30	-12	4.1	3.0	7.3	286	14.5	569	339	133	-34	-13
250	5.4	3.4	8.0	316	16.0	628	374	147	-37	-15	5.1	3.8	9.1	358	18.1	711	423	167	-42	-17
300	6.5	4.0	9.6	379	19.1	754	449	177	-45	-18	6.1	4.6	10.9	429	21.7	853	508	200	-51	-20
600	12.9	8.1	19.3	758	38.3	1507	897	353	-90	-35	12.2	9.1	21.8	859	43.3	1706	1016	400	-102	-40



### VCR/DVD/Blu-ray Disc™ player





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