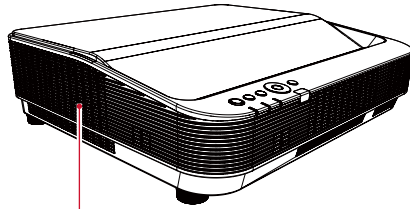
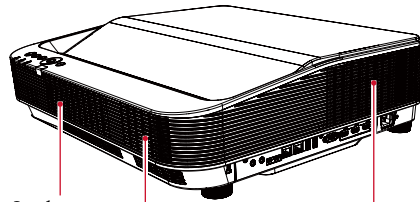


Usage Notice



Exhaust vent
(Air outlet)



Intake vent
(Air intake)

Exhaust vent
(Air outlet)

Intake vent
(Air intake)

- Caution- Be sure to reserve proper space at the each side of projector.

Handling a Wireless LAN

Warning

- Before using a wireless LAN, make sure there is nobody with a pacemaker nearby. This machine may cause pacemakers to malfunction due to electromagnetic interference.
- Before using a wireless LAN, make sure there is no medical equipment nearby.
This machine may cause medical equipment to malfunction due to electromagnetic interference.
- Before using a wireless LAN, make sure there are no limitations or restrictions in the place you will be using it. There may be restricted use in places such as medical facilities due to electromagnetic interference.
- Do not use a wireless LAN if there is electromagnetic interference from other equipment.
Doing so may cause an accident due to the other equipment malfunctioning from the electromagnetic interference.

Wireless uses radio waves to exchange information instead of an Ethernet cable.

The wireless LAN radio waves pass through barriers such as walls within a fixed area, so the following problems may occur:

Leak of Personal Information

- Information such as IDs, passwords, credit card numbers, and the contents of e-mails, etc., may be stolen by a third party.

Illegal Access to the Network

- Data and systems may be corrupted or manipulated by a virus.
- An imposter may access information illegally.
- Confidential information may be accessed illegally.

To minimize the possibility of these problems occurring, it is recommended to check the functions built into the wireless LAN devices, such as the projector and wireless LAN access points, and to specify security settings.

Regulation & Safety Notices

This appendix lists the general notices of your Projector.

Notice: Users in the United States of America FCC notice

MODEL NAME: RICOH PJ UHL3660

TRADE NAME: PROJECTOR
MODEL NAME: RICOHPJ UHL3660
Tested To Comply with FCC Standards
FOR HOME OR OFFICE USE

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

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.

Usage Notice

3. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

User manuals for licence-exempt radio apparatus shall contain the following or equivalent notice in a conspicuous location in the user manual or alternatively on the device or both.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil nedit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radio apparatus containing digital circuitry which can function separately from the operation of a transmitter or an associated transmitter, shall comply with ICES-003. In such cases, the labelling requirements of the applicable RSS apply, rather than the labelling requirements in ICES-003. This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IC SAR Warning:

This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
Lors de l' installation et de l' exploitation de ce dispositif, la distance entre le radiateur et le corps est d 'au moins 20 cm.

Usage Notice

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this projector.

Notes to Users in the State of California

Perchlorate Material - special handling may apply,

See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Notice to Users in EEA Countries and the UK**Manufacturer:**

Ricoh Co., Ltd.

3-6 Nakamagome 1-chome, Ohta-ku, Tokyo. 143-8555, Japan

Importer (CE marking, ProdSG):

PFU (EMEA) LIMITED Viale Monza 259, 20126 Milano (MI) Italy

Importer (UKCA marking):

PFU (EMEA) LIMITED Belmont, Belmont Road, Uxbridge UB8 1HE England

Declaration of Conformity

Notice to Users in EEA Countries:

This product complies with the essential requirements and provisions of Directive 2014/53/EU.

The CE/UKCA Declaration of Conformity is available by accessing

Usage Notice

the URL: https://www.ricoh.com/products/ce_doc2/
and selecting the product applicable.

User Information on Electrical and Electronic Equipment

Users in the countries where this symbol shown in this section has been specified in national law on collection and treatment of E-waste.

Our Products contain high quality components and are designed to facilitate recycling.

Our products or product packaging are marked with the symbol below.



This product contains substances which are harmful to humans and the environment.

The symbol indicates that the product must not be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available. By following these instructions you ensure that this product is treated correctly and help to reduce potential impacts on the environment and human health, which could otherwise result from inappropriate handling. Recycling of products helps to conserve natural resources and protect the environment.

For more detailed information on collection and recycling systems for this product, please contact the shop where you purchased it, your local dealer or sales/service representatives.

Notice: Users in Turkey

AEEE Yönetmeliğine Uygundur.

Bu sistem sarf malzemeleri ve yedek parçaları da dahil olmak üzere AEEE Yönetmeliğine Uygundur.

All Other Users

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.

Usage Notice

Laser Notice

IEC 60825-1:2014, EN 60825-1:2014+A11:2021: CLASS 1 LASER
PRODUCT - RISK GROUP 2.

The product's intended use as a consumer laser product and
compliant with EN 50689:2021.

CLASS 1 CONSUMER LASER PRODUCT

EN 50689:2021

Notice: Users in the EU and the UK Note for the Battery and/or Accumulator Symbol



In accordance with the Battery Directive 2006/66/EC Article 20 Information for end-users Annex II, the above symbol is printed on batteries and accumulators. This symbol means that in the European Union, used batteries and accumulators should be disposed of separately from your household waste.

In the EU, there are separate collection systems for not only used electrical and electronic products but also batteries and accumulators. Please dispose of them correctly at your local community waste collection/recycling centre.

COMMISSION REGULATION (EU) 2019/2020

The light source of this product is not intended for applications other than image projection.

Notice: Wireless regulations

The light source of this product is not intended for applications other than image projection.

Further guidance for equipment used in general-population/
uncontrolled or occupational/controlled environments is provided in

Usage Notice

various KDB Publications.

The operating conditions and required minimum separation distance between the user and a wireless device must be clearly specified in the manual instructions for ensuring compliance.

Notes to USA Users of Wireless Devices

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Frequency Tolerance: ± 10 ppm

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Supplier's Declaration of Conformity

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.

Responsible Party: PFU America, Inc.

Address: 3900 Freedom Circle, Suite 240, Santa Clara, CA 95054

Phone Number: (408) 992-2900

Product Name: Projector

Usage Notice

Model Number: RICOH PJ UHL3660

Notes to Canadian Users of Wireless Device

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body.

5150-5250 MHz band is restricted to indoor operation only.

Compliance with ISED requirement RSS-247 6.4 a) Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

Notes to EEA Users of Wireless Device

Outdoor use of the 5.150-5.350GHz band is prohibited.

Operating frequency band: 2400 - 2483.5 MHz

Maximum radio-frequency power: less than 20.0 dBm

Operating frequency band: 5150 - 5350 MHz(W52, W53) / 5470 - 5725 MHz(W56)

Maximum radio-frequency power(e.i.r.p): less than 20.0 dBm / 27.0 dBm (without TPC)

*TPC: Transmit Power Control

Usage Notice

Notes to the Users of the adapter Device

Adapter shall be installed near the equipment and shall be easily accessible.

The operating temperature of the EUT can't exceed 55°C and shouldn't be lower than 0°C.

The plug considered as disconnect device of adapter.

The product shall be connected to a USB interface of version USB2.0 or higher.

Only indoor use for band 5150-5250MHz.

Hereby, RICOH COMPANY LTD. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

RF Function	Frequency bands	Maximum output power
2.4G WLAN	2412-2472MHz	17.65 dBm (EIRP)
2.4G WLAN (USB dongle)	2412-2472MHz	16.46dBm (EIRP)
5G RLAN (USB dongle)	5150-5250MHz	15.42dBm (EIRP)
5.8G SRD (USB dongle)	5725-5825MHz	13.88dBm (EIRP)

Power Switch Symbols

The meaning of the symbols for the switches on this machine as follows:



: On/Standby(Off)

Other Information

Copyrights to Images

When projecting images using the projector, be careful not to infringe the copyright of protected materials.

The following are examples that may infringe the copyright of protected materials.

- Broadcasting images or movies for commercial purposes
- Modifying images or movies using functions such as freeze, magnify, or zoom to broadcast images for commercial purposes or public viewing
- Varying the aspect ratio of images or movies using a function that changes the screen size to broadcast images for commercial purposes or public viewing

Disclaimer of Liability

We will not be liable for any damage caused by malfunction of this machine, loss of registered information, or any other damage caused by the use or inability to use this product or its user manual, except in cases in which we are legally liable for compensation.

Be sure to keep a copy of the information you have registered with this machine. If you make a mistake in operation or if a malfunction occurs, the registered information may be lost. Please note that we are not responsible for the consequences of the operation of documents or data created by the customer using this machine.

About DLP chip

Although DLP chips are made with very precise technology, in rare cases, missing pixels (black dots) or constant lighting of pixels may occur. These are not malfunctions. Please understand this in advance.

About the laser light source

The laser diode used as the light source of this machine has the following characteristics. Please understand this in advance.

- The brightness of the light source may decrease depending on the ambient temperature in which this machine is used.
- The brightness of the light source decreases with time of use.

Copyrights of third party software

This projector uses open source and/or third party software. To check the information about software copyrights/licenses, please refer to “**Software License**” on page 99.

You can also view and download the source code from:

http://www.support-download.com/bb/html/dr_ut_e/oss/index.htm

- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)
- This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).
- This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Cautions when using LAN

When connecting to a LAN, be sure to read and understand the security risks described in the manual and use the unit as safe as possible.

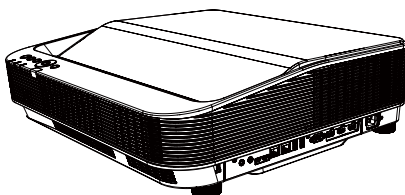
Use a network separated by a firewall to prevent unauthorised access from the Internet.

Pay careful attention to the installation location, management of the devices, and the network device to which the device is connected, in order to prevent malicious third parties from viewing the communication data.

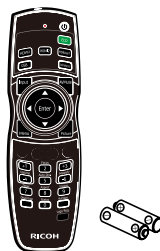
Introduction

Package Overview

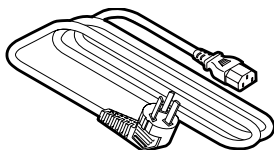
The projector is provided with the following accessories. Make sure that everything is included in the package. If anything is missing, contact your dealer immediately.



Projector

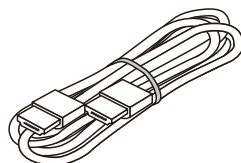


Remote control &
AA/R06 battery x2

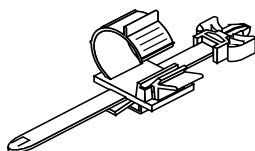


Power Cord (1.8m)

* Models for Europe are packed with two different codes, one for EU and one for UK.



HDMI cable (1.5m)

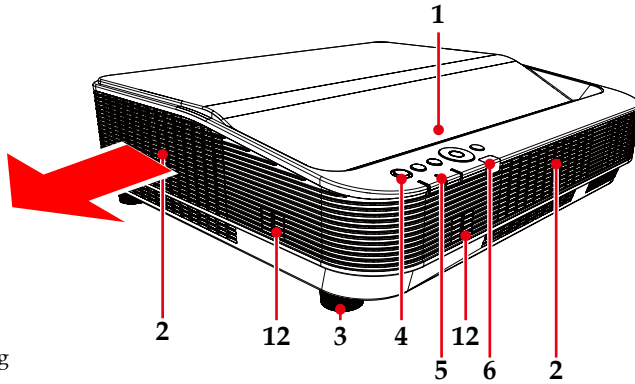


Power cord stopper

Document

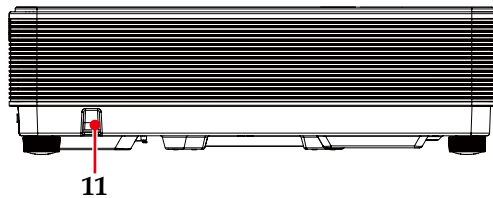
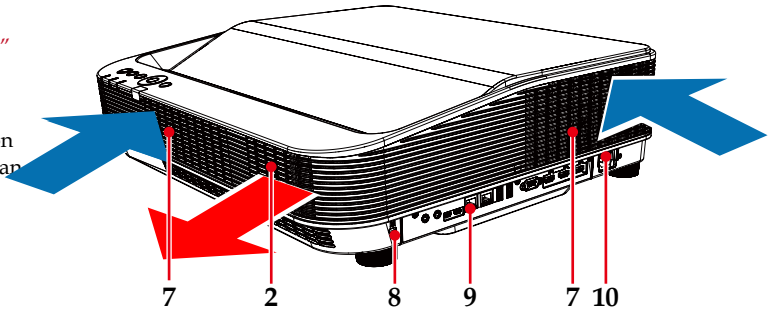
- ☐ Read this first
- ☐ Warranty flyer

Product Overview



Note

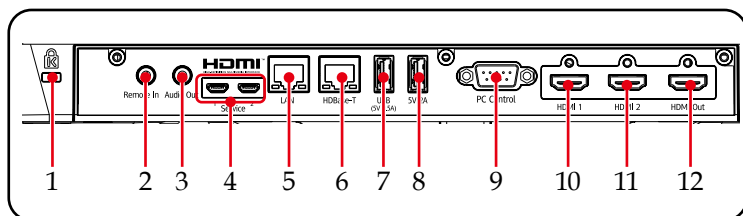
- ❖ (*1)Adjust the projection angle with the adjusting feet. Please refer to “Adjust the projected image” on page 52 for details.
- ❖ (*2)A Kensington anti-theft wire can be connected.
- ❖ (*3)A commercially available anti-theft chain (wire) can be installed. Please check the shape carefully and prepare it.



- | | |
|-------------------------|---|
| 1. Projection window | 8. Anti-theft lock hole (Kensington™ lock) (*2) |
| 2. Exhaust | 9. Connection ports |
| 3. Adjustment feet (*1) | 10. AC Inlet |
| 4. Control panel | 11. Safety bar(for fixing with wire) (*3) |
| 5. Indicators | 12. Speaker |
| 6. Remote sensor | |
| 7. Air intake | |

Introduction

Connection Ports

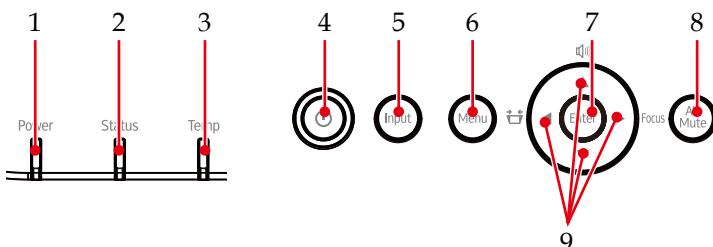


Note

- ❖ (*1) Inserts the USB memory to implement the Memory Viewer function.
- ❖ (*2) Supports HDMI 2.0 and HDCP 2.2 when [HDMI mode] is set to [High Speed Mode] (See “HDMI Mode” on page 81).

1. Anti-theft lock hole (Kensington™ lock)
2. Remote In terminal
3. Audio Out terminal
4. Service 1&2 terminal
5. LAN terminal
6. HDBaseT terminal
7. USB 5V 0.5A terminal (*1)
8. 5V/2.0A terminal
9. PC Control terminal
10. HDMI 1 In terminal (*2)
11. HDMI 2 In terminal (*2)
12. HDMI Out terminal

Control Panel and Indicators

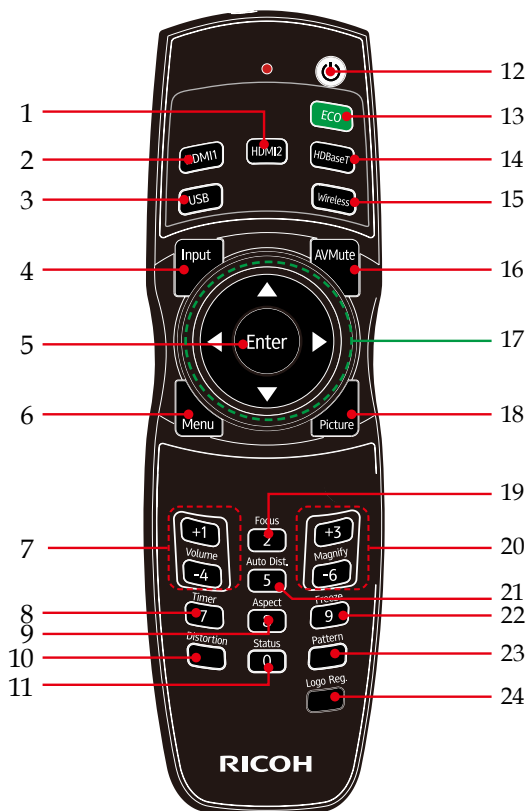


Note

❖ For details of the indicators, please see “Problem: Indicators lights up or Flashes” on page 113.

1~3	Indicator	These indicators inform the status of the projector.
4	Power button 	Press to turn on the power or put it in standby mode.(See page 48~49)
5	Input button	Selects the input source.
6	Menu button	Press “Menu” to launch the menu screen, or go back to the previous menu. (See page 63)
7	Enter button	Select or confirm settings.
8	AV Mute button	Temporarily erase images and sound. Press again to restore.
9	Four directional arrow buttons	Use ▲, ▼, ◀ or ▶ to select the desired menu items and to make adjustments. The ▲, ▼ keys can be used to adjust the volume, ◀ key to display the keystone correction adjustment menu, and ▶ key to display the Focus adjustment menu.

Remote Control



1	HDMI 2	Press "HDMI 2" to select the HDMI 2 input source.
2	HDMI 1	Press "HDMI 1" to select the HDMI 1 input source.
3	USB	Press "USB" to select the Memory Viewer input source.
4	Input	Press "Input" to select your desired input source.
5	Enter	Confirm your section of items in sub menu operation.
6	Menu	Press "Menu" to launch the menu screen (OSD), or go back to the previous menu. (See page 63)

Introduction

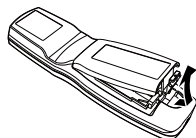
7	Volume +/Volume -	Adjust the projector's volume.
8	Timer	Display presentation timer. (See page 58)
9	Aspect	Select the aspect ratio.
10	Distortion	Adjust the image to correct for distortion caused by tilting the projector.
11	Status	Display the projector status.
12	Power()	Refer to the "Power On/Off the Projector" section. (See page 48~49)
13	ECO	Display Laser Power Mode. (See page 82)
14	HDBaseT	Press "HDBaseT" to select the HDBaseT input source.
15	Wireless	Press "Wireless" to select Network source.
16	AVMute	Temporarily erase images and sound. Press again to restore.
17	Four Directional Buttons	Use  ,  ,  , or  to select items or make adjustments to your selection.
18	Picture	Select the picture mode.
19	Focus	Enter the focus adjustment mode. (See page 51)
20	Magnify +/Magnify-	- Zoom in or out the projector display image. (See page 56) - Magnified area can be moved by four directional buttons.
21	Auto Dist.	This button is not supported with this projector.
22	Freeze	Pause the screen image. Press again to resume the screen image.
23	Pattern	Display the built-in test image.
24	Logo Reg.	Press the button to make logo registration when memory viewer input is selected. (See page 89)

Note

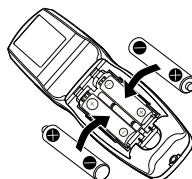
❖ Partial enlargement or distortion correction will make the image less clear than before enlargement or correction.

Installation of Remote Control Batteries

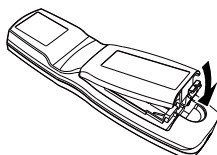
- 1 Push the clip to release the battery cover.



- 2 Install new batteries (AA/R06 or LR06). Ensure that you have the batteries' polarity (+/-) aligned correctly.



- 3 Close the battery cover and press it down until it clicks into place. Do not mix different types of batteries or new and old batteries.



For safe operation, note the following precautions:

- Be sure to use two AA (R6) size batteries.
- Do not drop the remote control.
- Do not expose the remote control to moisture or heat.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace the batteries.
- Remove batteries from remote control when not using for extended periods.
- Avoid contact with water or liquid.
- If the batteries have leaked in the remote control, carefully wipe the case clean and install new batteries.
- Dispose of batteries according to local rules.
- Attention should be drawn to the environmental aspects of battery disposal.