Caution and Warning

- Except as specifically explained in this User's Guide, do not attempt to service this product yourself. Refer all servicing to qualified service personnel
 - Warning: You may be exposed to harmful radiation if you arbitrarily install, disassemble or modify.
- Never open the projector. Dangerous electrical voltages inside the projector can severely injure you.
- The projector's accessories come packaged in plastic bags Keep plastic bags away from small children to avoid any risk of suffocation.
- Never look into the projector lens when the lamp is turned on the bright light can damage your eyes. Never let children or pets look into the lens when it is on.
- Don't place the projector on an unstable cart, stand, or table Also, don't stand on the projector or place heavy objects on it.
- Never push objects through the ventilation holes or spill liquid into the projector.
- Do not use the projector near water, or sources of heat or vibration.
- Do not expose it to rain or moisture.
- Do not touch the projection lens with bare hands.
- Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners. Do not use solvents such as alcohol, thinner, or benzine. Unplug the projector from the wall outlet before cleaning

- Do not use the projector in places where flammable gases or explosive gases may be present in the atmosphere.
- Do not use the projector in places where there is excessive humidity or dust, near cooking or heating appliances, or in places where it may come into contact with smoke or steam. Do not use or store the projector outdoors for an extended length of time
- The lamp is fragile and can easily break. If the lamp breaks, handle the projector with extreme care to avoid injury from broken glass. and contact KDC use the possibility of lamp breakage increases. When the lamp replacement message appears
- The lamp in this projector is under high internal pressure and may make a loud noise if it breaks. If it breaks, ventilate the room to prevent mercury gas inside the lamp from being inhaled or coming into contact with the eves or mouth.
- Do not bring your face close to the projector while it is in use.
- Do not place anything that can become warped or damaged by heat near the ventilation holes.
- Do not place the projector near a flame.
- \blacksquare If the lamp breaks and gas from the lamp or fragments of broken glass are inhaled or get into the eyes or mouth, or if any other ill effects are noticed immediately seek medical advice
- Do not disassemble or damage the lamp or subject it to any impacts.
- Use the type of power source indicated on the projector. If you're not sure of the power available, consult the power company.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Don't place the projector where the cord can be walked on. This may result in fraying or damage to the plug.
- Do not bend, twist, or pull the power cable excessively, and do not place heavy objects on top of the power cable.
- Do not modify the power cable.
- Keep the power cable away from hot electrical appliances
- Do not pull the power cable when disconnecting the plug. Always be sure to hold the plug when disconnecting it.
- Don't insert the plug into an outlet with dust present, and insert the plug firmly into the outlet. Failure to do so could result.
- Don't handle the plug with wet hands.
- Don't overload wall outlets, extension cords, or integral convenience receptacles. This can cause fire or electric shock.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: when the power cord or plug is damaged or frayed; if liquid has been spilled into the projector, or if it has been exposed to rain, water, or excessive humidity; if smoke, unusual smells, or unusual noises come from the projector; if it doesn't operate normally when you follow the operating instructions, or if it exhibits a distinct change in performance, indicating a need for service; if it has been dropped or the housing has been damaged.

- If there is an electrical storm, do not touch the power plug, otherwise you may receive an electric shock
- Keep the projector unplugged during electrical storms and when the projector is not in use for extended periods.
- Don't block the ventilation or sound holes openings in the projector case. They provide ventilation and prevent the projector from overheating. Don't operate the projector on a sofa, rug, or other soft surface,
- or in a closed-in cabinet unless proper ventilation is provided.
- Don't leave the projector on top of heat-producing equipment or in a heated place, such as a car.
- Don't use the projector outside of the required temperature range. Doing so may cause an unstable display and could lead to projector damage.
- Don't store the projector outside of the required temperature or in direct sunlight for long periods of time. Doing so may cause damage to the case
- Make sure there is enough space between the exhaust ventilation holes and the wall or other object.
- Do not turn the volume too high, especially when using headphones Listening to high volume sounds over an extended period can damage your hearing. Sudden high volume can also damage the speakers.



Be sure to follow the instructions below to use battery safely.

- ▶ It takes about 4 hours to charge and the standard usage is about 2 hours.
 - * Charging time is measured with authentic charger and cable.
 - * Battery usage is based on the initial state of battery and
- on the electricity measured in laboratory.

 Note: When there is no battery charge left, lamp on the product does not
- light up even if you connect the charger. Charge at least few minutes before use. ▶ When there is no battery charge left, lamp on the product does not light up even if you connect the charger.
- Charge at least few minutes before use.

 Battery life degrades gradually after repeated use. If the battery usage is reduced to a half of what the new battery was replace it with authentic one from service center

Cautions in installing the product.

- Install product on a flat, stable place.
 When using connected to charger, make sure to install with a certain distance so that it won't be separated from power outlet. If shocks are inflicted on charger and cable, it may fall from its installed position and terminal can be damaged.
- ▶ This product is wireless and therefore can cause some wave interference.
- Please refrain from using at the following location.

 * Hospital or near medical equipment that is affected by high frequency.
- * Near cardiac defibrillator or hearing aid.
- * Place where there are many electronic products and wireless devices. (kitchen, car, airplane cabin)

Product features



It conveys a clear picture by implementing a maximum brightness of 60 ANSI Lumen using laser power source. You can enjoy the clear picture even with a 100" screen.

HD high resolution image
With 1280x720 resolutions, you can watch presentation documents and video.

Wire/wireless modes
It support wireless connection through WiFi in addition to wire connection using HDMI/MHL.

Focus Free function

It can control the size of screen without having to go through a focus adjusting process through laser light source and advanced optical technology.

Battery operating life

With a 100% charge, it can operate for 120 minutes and can watch a movie without recharging. Battery life is subject to user environment and batteries.

Accessories











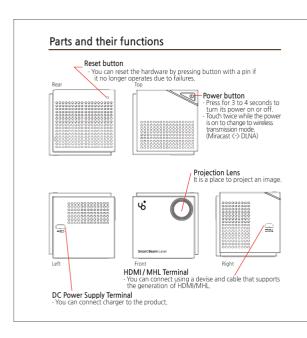


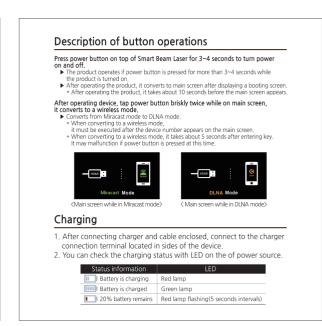
<body> ⟨MHL⟩ ⟨5-11 pin converter⟩ ⟨user manual⟩ (charger)

- The product accessory can be changed without notice for improvements.
 (some accessories must be purchased separately)
 ** Content of user manual can be different depending on the software version, and may be partially changed without prior notice to users
- (Refer for latest user manual: www.cremotech.co.kr)

 # Charger and cable enclosed must be used with Smart Beam Laser.

 # Images in the user manual are for reference and actual model may









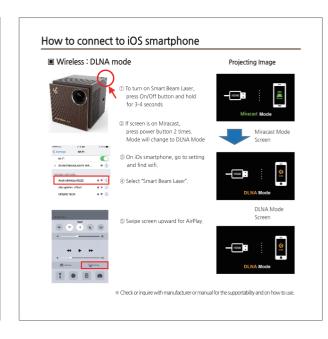


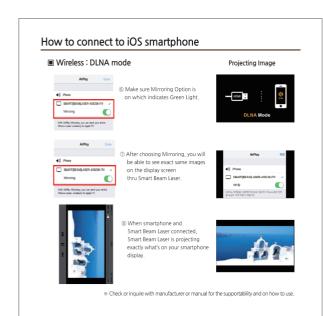


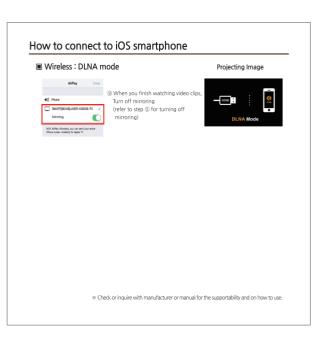


















Software upgrade

Please refer details on how to upgrade software and the latest software information at www.cremotech.co.kr.

- You can use the optimized product by upgrading with the latest software.
- In order to upgrade the product function, customers can directly upgrade software conveniently through internet.
- Please proceed with upgrade after thoroughly understanding cautions before and after software upgrades.
- Product may malfunction if the power is turned off in the middle of software upgrade or computer is terminated due to low battery. (please fully charge the battery before start upgrading)

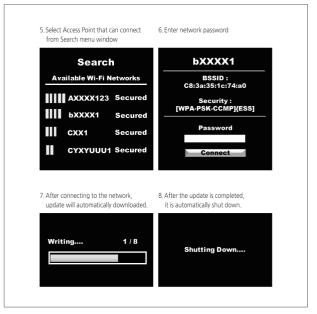
How to upgrade software

- 1. Turn power on for devices that support DLNA function and Smart Beam Laser.
- 2. Check if the Smart Beam Laser wireless connection mode of
- Smart Beam Laser is in a DLNA mode.
- 3. Select Smart Beam Laser from the setting of the device to be connected Wi-Fi connection device.

(you can check the name of device in the main screen)

- 4. Execute the web browser from the device to be connected and enter address http://192.168.49.1
- ${\it 5. Select F/W Upgrade menu form the Setting screen connected.}\\$
- 6. Select Search menu from F/W Upgrade screen.
- 7. Select Access Point possible to connect to internet and make connection.
- 8. Select connect menu after entering network password.





Specification and certification

Display method	LCoS(Liquid Crystal On Silicon)	
Brightness	maximum 60 ANSI Lumens	
Resolution	720 p (1280 × 720)	
Screen ratio	16:9	
Screen dimension	20" ~ 100"	
Projection rate	1.4	
Upward projection rate	100%	
Focus adjusting method	Auto focusing	
Laser source longevity	At least 10,000 hours	
Video input	HDMI/MHL/Miracast/DLNA	
Frequency used	2.4GHz, 5GHz	
Weight	195g	
Audio	Built-In 1W Mono	
Dimension	55 × 55 × 55 (mm)	
Power supply	DC 5V, 3A	
Battery	Li - Po 3.7V 4200mAh	



- Name of device (Model No.) : Smart Beam Laser (LB-UH6CB)
- Certification No.:

 KCC: MSIP-CMM-CRb-LB-UH6CB

 FCC: 2AEOF-LB-UH6CB
- Certified business : CREMOTECH Co.,Ltd
- Manufacturer / Country of origin: CREMOTECH Co.,Ltd / Korea
- This wireless device may not be serviced due to risk of injury caused by radio wave mix-up.

Checking items before calling for service

Please check the following before making calls to A/S center when your product is malfunctioning.

Power cannot be turned on	- Make sure battery is charged. - Make sure the plug is connected to outlet.
Product makes noise	- Make sure if it is not from motor or fan, Those are needed to maximize features of the projector. - If loud machine or part is continuing to make a noise, do not use and call service center,
Files cannot be played	- Check the executable files, (The product may not able to project in a certain program) (Contents circulating through internet may not be reproduced)
Images on screen are not clear	- Move it to a location where it is not too bright You can see the image more clearly in the dark If product is used for a long period, the focus of lens can be temporanly blurred. Turn off the machine for 10 minutes before use it again.
Projector generates heat	- Since it requires a lot of current to use, it can generate heat if used for long time.
Button does not work and screen freezes during the use	- Turn off the power by pressing the RESET switch on the side.

Battery life is different from the manual's	- If a fully charged battery is left unattended in low or high temperature, the life shortens.
When playing a video, screen freezes or a mosaic phenomenon appears	- These phenomena of screen freeze and a mosaic screen occur when Wi-Fi power is low. Use the beam projector by either fully charging a smart phone battery or connecting to an authentic smart phone charger. - Wireless interference in the ambient environment can influence the connection. Restart or move the location and try again for wireless connection.
No sound	- Check the volume of smart phone.
Screen turns off frequently	- Either screen auto-lock is on or it can happen if the video signal is interrupted for a certain interval In a certain smart phone, this can happen due to compatibility issue. (Please check the compatibility item at our home page)

Please refer our main web-site for additional information and warning

UO Smart Beam Laser



Smart Beam Laser 사용설명서

LB-UH6CB LB-KH6CB LB-EH6CB



Smart Beam Laser