Betopper LC001-H

BETOPPER Stage Spotlight User Manual

Model: LC001-H

1. Safety Information

Please read this manual carefully before operating the device. Keep this manual for future reference. Failure to follow safety instructions may result in injury or damage to the product.

- **Electrical Safety:** Ensure the power supply voltage matches the device's requirements (AC 100-240V, 50/60Hz). Always connect to a grounded power outlet. Disconnect power before cleaning or servicing.
- **Temperature:** Do not operate the device in excessively high temperatures. Ensure adequate ventilation around the unit.
- **Moisture:** Do not expose the device to rain or moisture to prevent fire or electric shock.
- **Handling:** Avoid direct eye exposure to the light source. Do not attempt to repair the device yourself; refer all servicing to qualified personnel.
- **Mounting:** Always secure the device properly using appropriate mounting hardware. Ensure the mounting surface can support the weight of the fixture.

2. Product Overview

The BETOPPER Stage Spotlight (Model LC001-H) is a 100W LED DMX light designed for professional stage, church, party, wedding, theatre, and live event applications. It features advanced COB (Chip on Board) technology, providing high-intensity, uniform warm and cold white light with excellent color rendering.



Image: Four BETOPPER Stage Spotlights, showcasing the product's design and quantity in a typical package.

2.1 Key Features

- **100W COB LED Technology:** Delivers high-intensity, high-uniformity, and high-quality warm white (3200K) and cold white (5600K) light.
- **High Color Rendering Index (CRI):** RA>90 ensures faithful color reproduction, ideal for critical lighting applications.
- **Daisy-Chainable Design:** Power and XLR connections allow for easy linking of multiple units, reducing cable clutter.
- **DMX Control:** Supports DMX console operation for precise control over lighting parameters.
- **Master-Slave Mode:** Enables synchronized operation of multiple fixtures without a DMX controller.
- **Efficient Cooling:** Superior thermal performance for increased life, stability, and reliability.



Image: Explanation of COB light source technology, highlighting its benefits such as high CRI (>Ra 92), natural lighting, real color restoration, and eye/skin protection, with a visual comparison to traditional LED lighting in a church setting.

Image: Detailed close-up of the COB LED chip, illustrating the integrated warm and cold white light-emitting elements.

2.2 What's in the Box

- BETOPPER Stage Light (x4)
- Installation Brackets
- Installation Screws
- User's Manual (this document)

3. Setup

3.1 Unpacking and Inspection

Carefully remove the fixture from its packaging. Inspect for any damage during transit. If any damage is found, do not operate the device and contact your supplier immediately.

3.2 Mounting the Fixture

The BETOPPER Stage Spotlight can be mounted using the included installation brackets. It supports lighting stand mounting. Ensure the mounting surface or stand is stable and capable of supporting the fixture's weight (approximately 23 pounds per unit).

1. Attach the installation brackets to the sides of the fixture using the provided screws.
2. Secure the fixture to a truss, lighting stand, or other suitable surface using appropriate clamps (not included) or by placing it on a flat surface.
3. Adjust the angle of the fixture as needed.

3.3 Connecting Power

Connect the power cable to the 'Input' power connector on the rear of the fixture. For daisy-chaining multiple units, connect the 'Output' power connector of the first fixture to the 'Input' of the next fixture. Ensure the total power draw does not exceed the circuit's capacity.

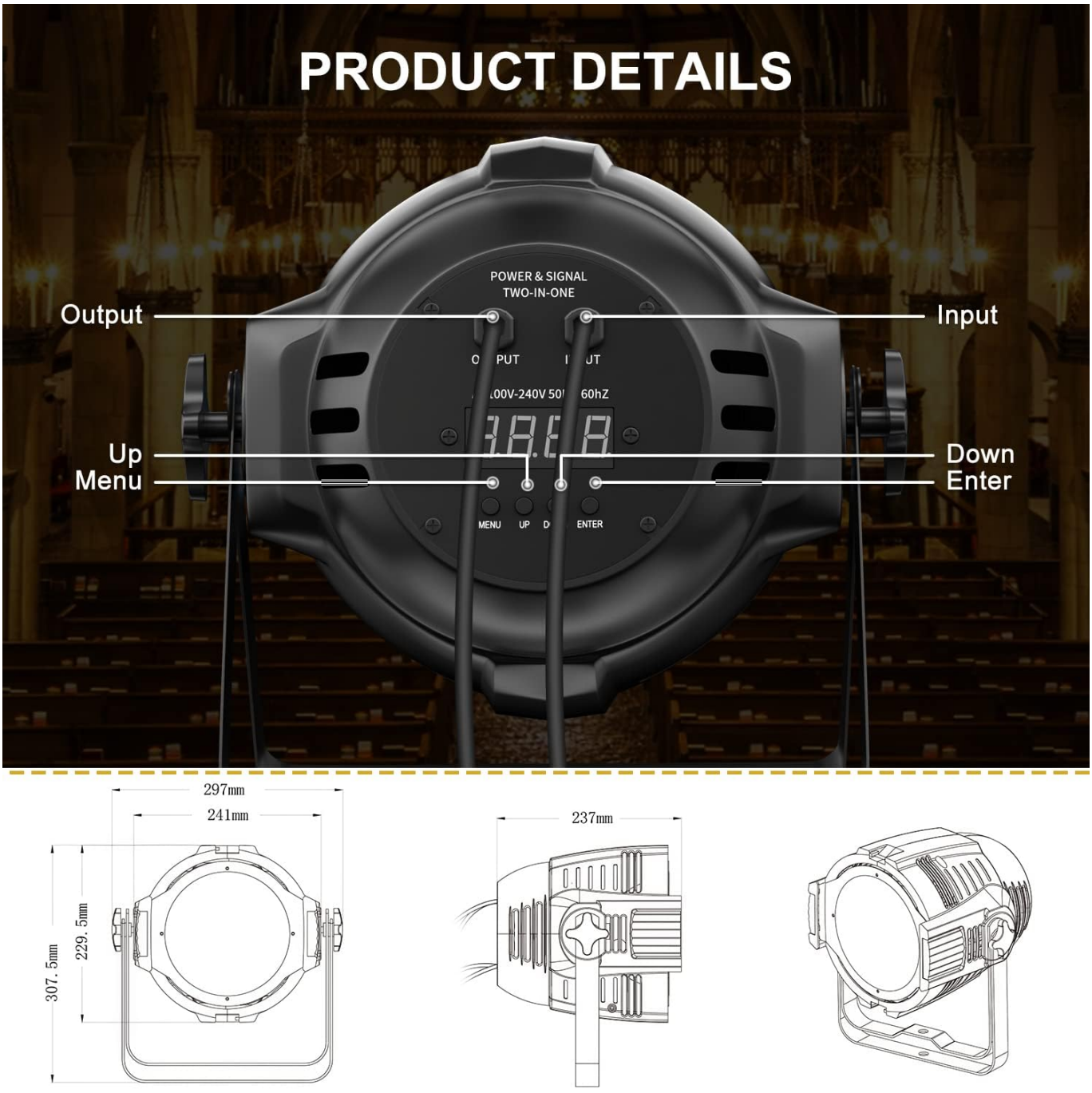


Image: Rear view of the spotlight, detailing the power input/output, DMX input/output, and the control panel with menu buttons and digital display.

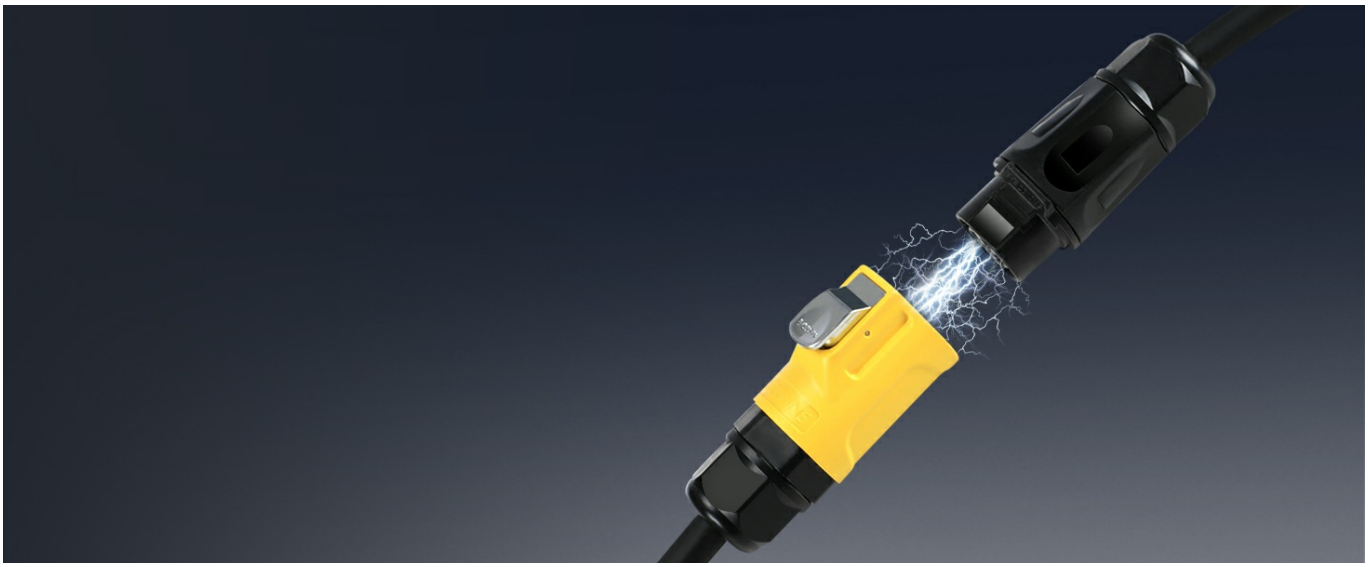


Image: Illustration of multiple stage lights connected in a daisy-chain setup for both power and DMX signals, demonstrating simplified wiring for multi-unit installations.

3.4 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the 'DMX Input' of the first fixture. Then, connect the 'DMX Output' of the first fixture to the 'DMX Input' of the next fixture in the chain. Terminate the last fixture in the DMX chain with a DMX terminator (not included) for optimal signal integrity.

4. Operating Instructions

The BETOPPER Stage Spotlight can be operated via its onboard control panel or an external DMX controller.

4.1 Control Panel Operation

The rear panel features a digital display and four buttons: MENU, UP, DOWN, and ENTER. Use these buttons to navigate through the menu options and adjust settings.

- **MENU:** Press to cycle through main menu options.
- **UP/DOWN:** Use to scroll through sub-menu options or adjust parameter values.
- **ENTER:** Confirm selection or save changes.

4.2 DMX Control Mode

In DMX mode, the fixture's functions are controlled by a DMX console. Set the DMX address for each fixture using the control panel. Refer to the DMX channel chart (typically found in a more detailed manual or product specification sheet) for specific channel assignments for dimming, strobe, warm white, and cold white control.

4.3 Master-Slave Mode

To operate multiple fixtures in synchronization without a DMX controller:

1. Set one fixture as the 'Master' unit via its control panel.
2. Set all other connected fixtures as 'Slave' units.
3. The slave units will mimic the master unit's settings and effects.

4.4 Light Output Modes

The fixture offers various light output combinations of warm and cold white light.



Image: Visual representation of the spotlight's output in warm white, cold white, and a mixed warm and cold white setting, demonstrating color temperature versatility.

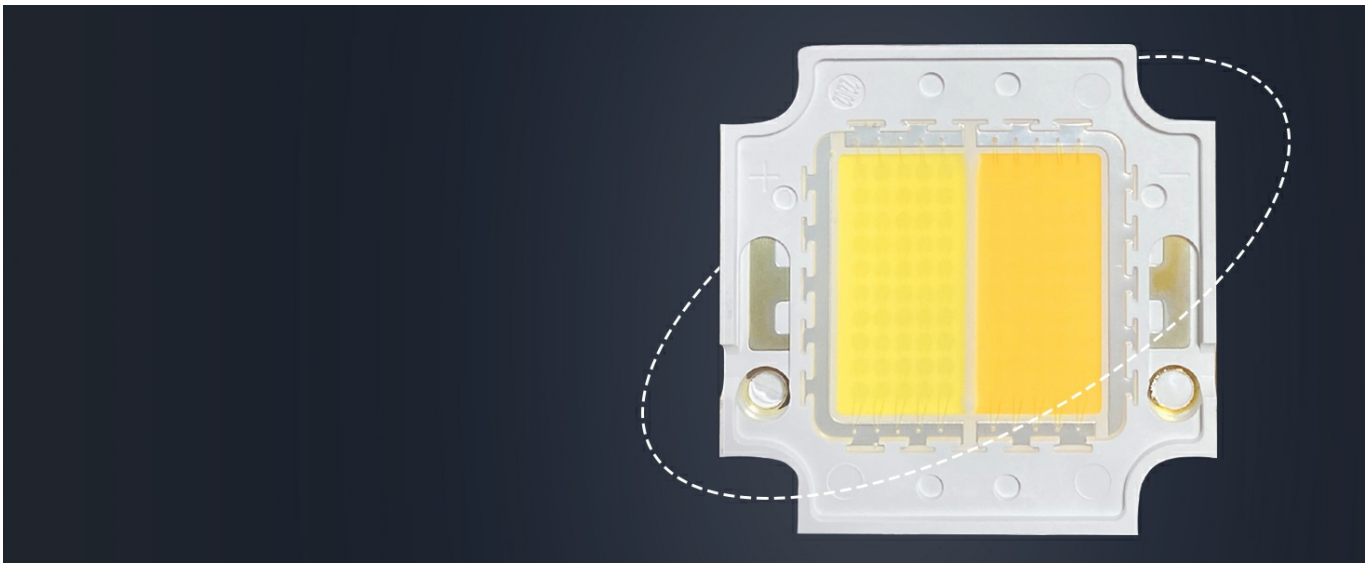


Image: Demonstrates the three primary light output modes: Cool White, Warm White, and a balanced blend of Cool & Warm White, illustrating the fixture's color temperature flexibility.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your BETOPPER Stage Spotlight.

- **Cleaning:** Periodically clean the lens and exterior casing with a soft, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure the device is powered off and unplugged before cleaning.
- **Fan and Vents:** Keep the cooling fan and ventilation openings clear of dust and debris to prevent overheating. The internal fan system is designed for efficient heat dissipation.
- **Cable Inspection:** Regularly check power and DMX cables for any signs of wear, cuts, or damage. Replace damaged cables immediately.
- **Storage:** When not in use for extended periods, store the fixture in a dry, dust-free environment.



Image: Transparent view of the stage spotlight, highlighting the internal cooling fan and directional airflow for effective heat management.

6. Troubleshooting

If you encounter issues with your BETOPPER Stage Spotlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

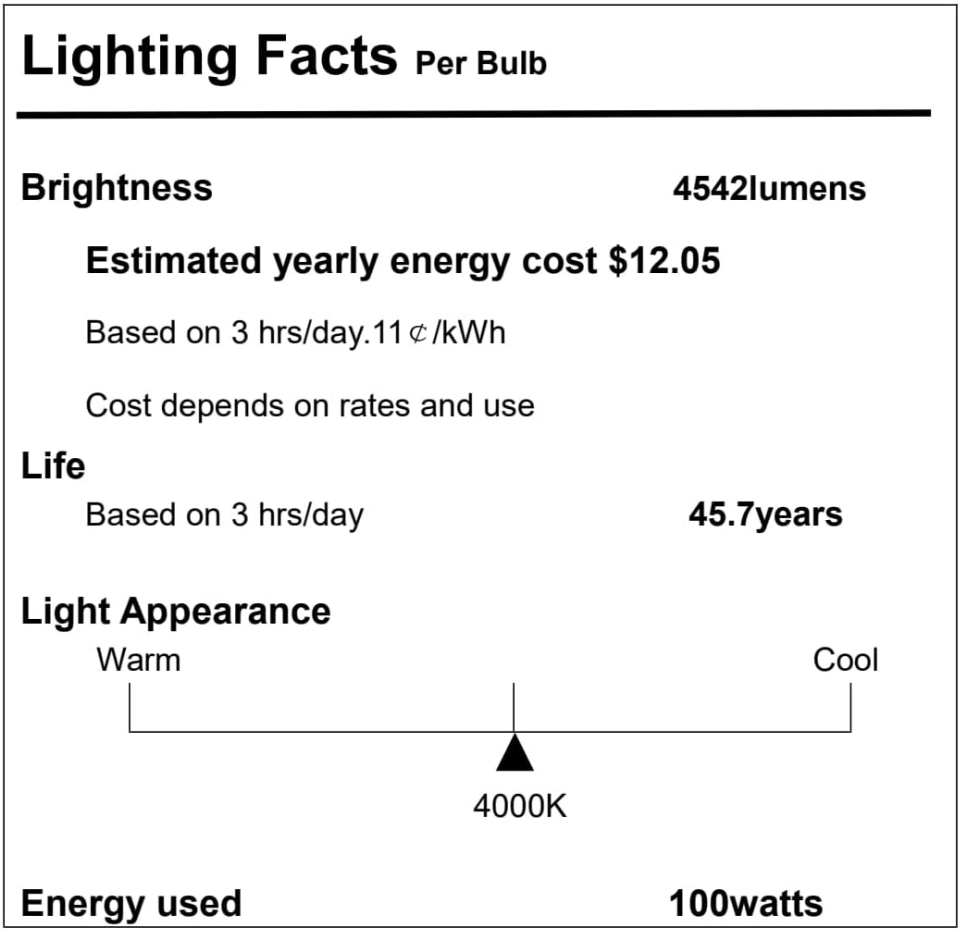
Problem	Possible Cause	Solution
Fixture does not power on	No power supply; faulty cable; internal fuse blown	Check power connection; test power cable; consult qualified technician for fuse replacement.
No light output	Dimmer at 0%; DMX signal issue; fixture in standby mode	Increase dimmer level; check DMX connections/address; exit standby mode via control panel.
Fixture not responding to DMX	Incorrect DMX address; faulty DMX cable; DMX terminator missing	Verify DMX address setting; test/replace DMX cables; ensure DMX terminator is used on the last fixture.
Overheating	Blocked ventilation; excessive ambient temperature	Clear all vents; ensure adequate airflow; operate within recommended temperature range.

If the problem persists after attempting these solutions, please contact customer support.

7. Specifications

Detailed technical specifications for the BETOPPER Stage Spotlight (Model LC001-H).

Feature	Specification
Model Number	LC001-H
Light Source Type	100W COB LED (Warm White & Cold White)
Color Temperature	3200K (Warm White), 5600K (Cold White)
Color Rendering Index (CRI)	>90
Brightness	4542 Lumens
Wattage	100 Watts
Voltage	AC 100-240V, 50/60Hz
Material	Aluminum
Finish Type	Polished
Product Dimensions	7.87"L x 7.87"W x 11.02"H (20cm x 20cm x 28cm)
Item Weight	23 pounds (per 4-pack, individual unit weight not specified but implied to be around 5.75 lbs)
Mounting Type	Lighting Stand Mount
Beam Angle	40 Degrees (approximate, based on '4E+1 Degrees')
Control Modes	DMX, Master-Slave, Sound Active, Auto
UPC	682141010614



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Image: Lighting Facts label, indicating 4542 lumens brightness, estimated yearly energy cost, 45.7 years life (based on 3 hrs/day), and 100 watts energy used. It also shows light appearance from Warm to Cool with a marker at 4000K.

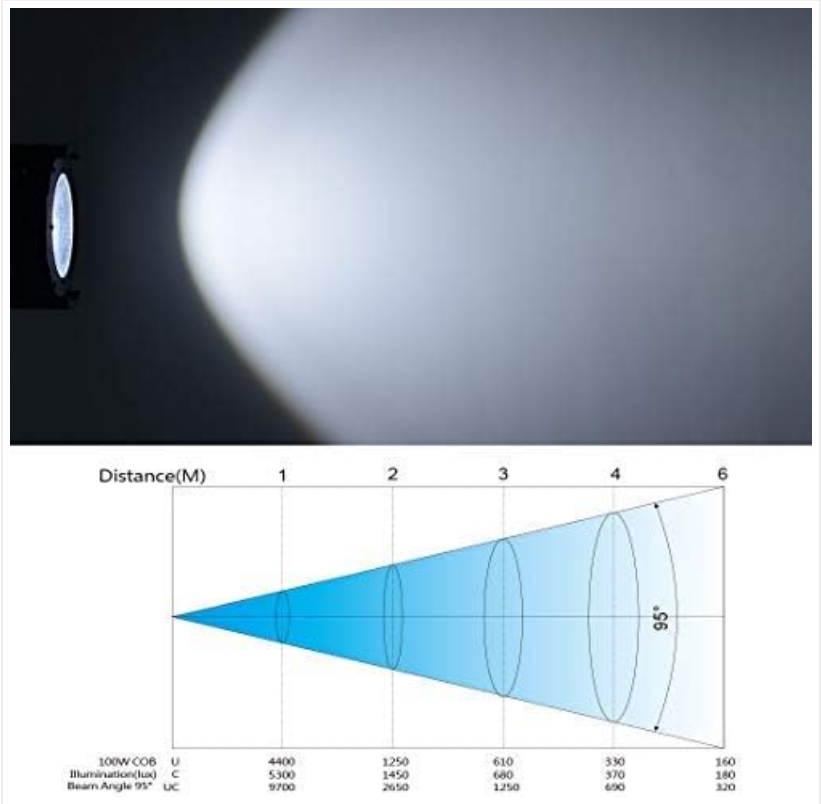


Image: Beam angle diagram illustrating the light intensity (lux) at various distances (1m to 6m) for the 100W COB light, with a beam angle of approximately 40 degrees.

8. Warranty and Support

BETOPPER products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or visit the official BETOPPER website. Keep your purchase receipt as proof of purchase.

8.1 Customer Support

If you have any questions, require technical assistance, or need to report a problem, please contact BETOPPER customer support. Contact information can typically be found on the product packaging, the official website, or through your retailer.

For more information and other products, visit theBetopper Store.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question