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Chihiros WRGB-90 II

Chihiros WRGB-90 II 10th Edition Aquarium Light User Manual

Model: WRGB-90 II

1. Introduction

1.1 Product Overview

The Chihiros WRGB-90 II 10th Edition is an advanced aquarium lighting system designed to promote intense photosynthesis and optimal growth for aquatic plants. It features high efficiency and low energy consumption, providing a specialized spectrum for vibrant plant life and a visually appealing aquarium.

1.2 Key Features

- Advanced technology aquarium lighting.
- High efficiency and low energy consumption.
- Specialized spectrum for intense photosynthesis and optimal plant growth.
- Suitable for aquariums between 90-110 cm in length.
- 100 Watt power output.
- RGB 3-in-1 LED light source.
- Modern, minimalist design.
- Wired electric power supply.
- RGB color changing capability.

2. Safety Instructions

Please read and understand all safety instructions before operating the Chihiros WRGB-90 II aquarium light. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always unplug the light from the power outlet before performing any maintenance, cleaning, or installation.
- Do not immerse the light unit or power adapter in water. This product is not submersible.
- Ensure your hands are dry when handling the power plug and outlet.

- Do not operate the light if the cord or plug is damaged.
- Keep the light away from flammable materials.
- This product is intended for indoor use only, specifically for aquariums.
- Ensure the light is securely mounted to prevent it from falling into the aquarium.
- Do not attempt to modify or repair the light unit yourself. Refer all servicing to qualified personnel.

3. Package Contents

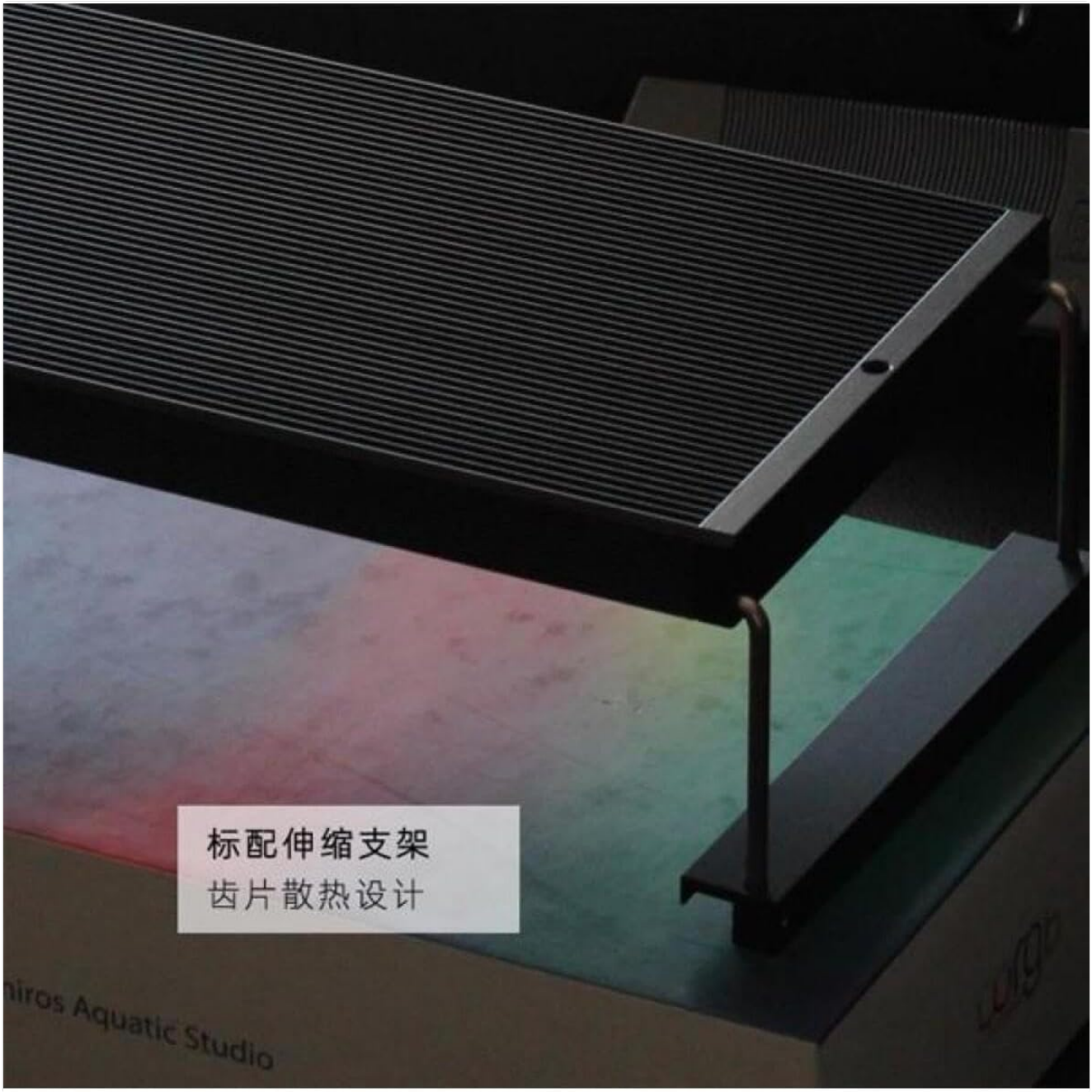
Verify that all items are present in the package:

- Chihiros WRGB-90 II Light Unit
- Power Adapter
- Adjustable Mounting Brackets (2 units)

4. Setup Instructions

4.1 Mounting the Light

The Chihiros WRGB-90 II comes with adjustable mounting brackets for easy installation on your aquarium.



The Chihiros WRGB-90 II light unit with adjustable mounting brackets for aquarium installation.

1. Attach the adjustable mounting brackets to both ends of the light unit. Ensure they are securely fastened.
2. Carefully place the light unit with the attached brackets onto the edges of your aquarium.
3. Adjust the length of the brackets to fit your aquarium's dimensions (90-110 cm).
4. Ensure the light is stable and level over the aquarium surface.

4.2 Power Connection

1. Connect the power adapter cable to the light unit's power input port.
2. Plug the power adapter into a suitable electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety in aquatic environments.

5. Operating Instructions

5.1 Initial Power On

Once connected to power, the light will typically turn on to a default setting. For advanced control, use the Chihiros app.

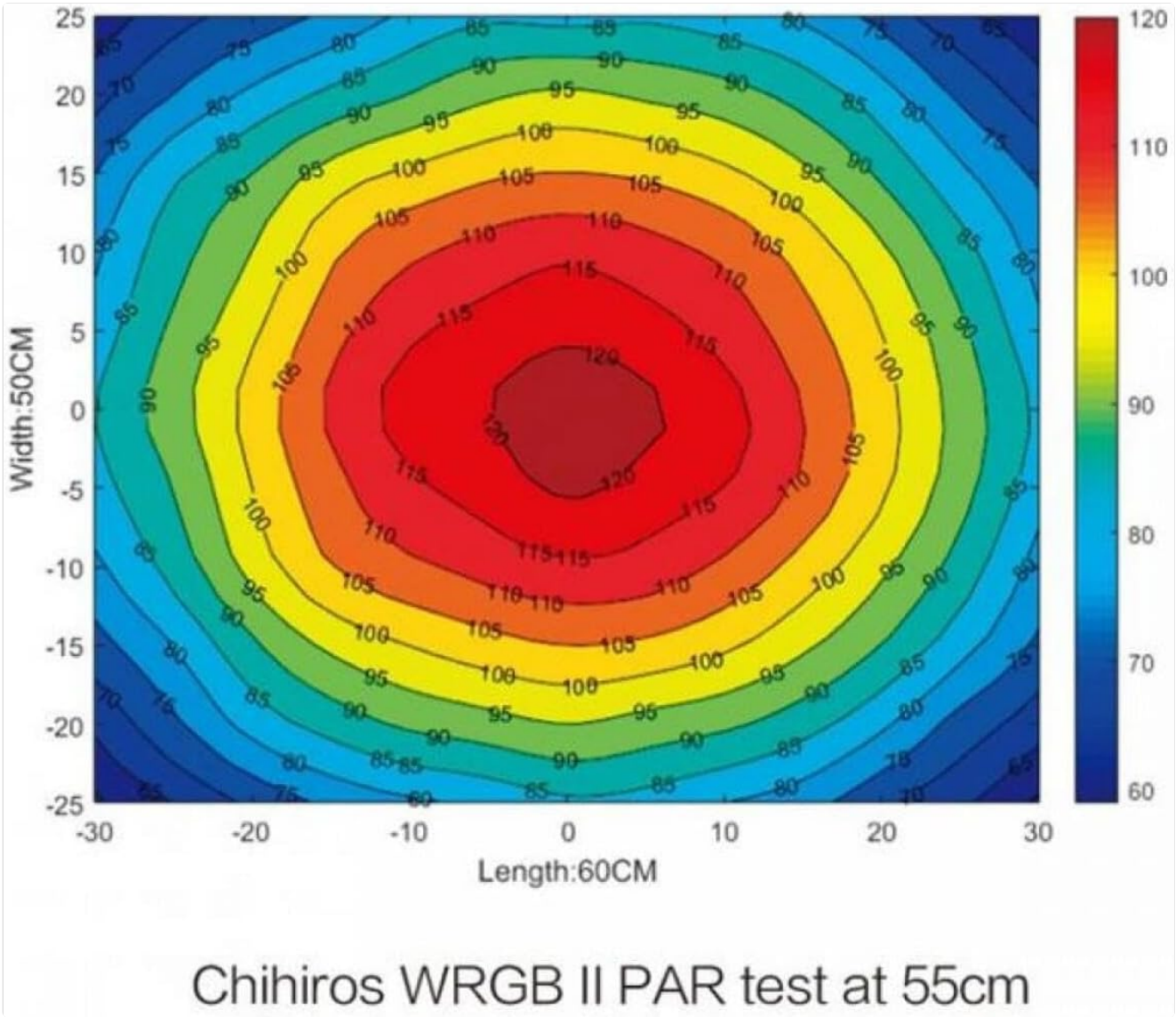
5.2 App Control (Bluetooth)

The Chihiros WRGB-90 II features built-in Bluetooth connectivity, allowing you to control and customize your lighting settings via the Chihiros app on your smartphone or tablet.

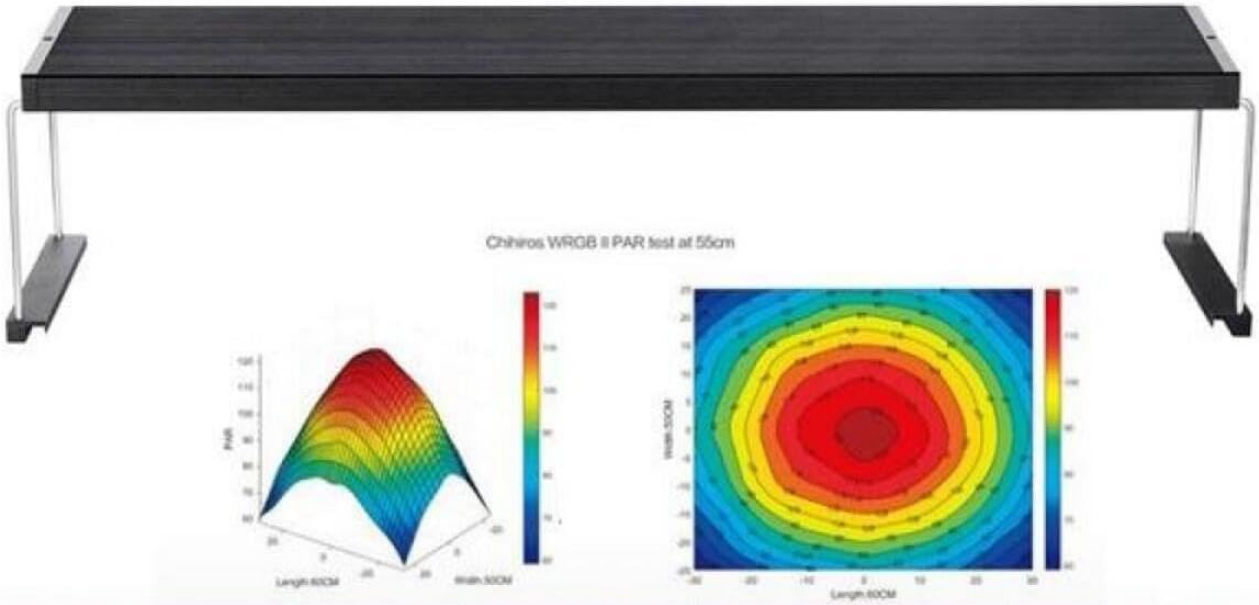
1. Download the official Chihiros app from your device's app store (iOS or Android).
2. Ensure Bluetooth is enabled on your mobile device.
3. Open the Chihiros app and follow the on-screen instructions to pair with your WRGB-90 II light unit.
4. Once paired, you can adjust brightness, color channels (Red, Green, Blue), set timers, and create custom lighting schedules to simulate natural day-night cycles.

5.3 Light Spectrum and PAR Performance

The WRGB-90 II is engineered to provide an optimal light spectrum for plant growth. The following figures illustrate its performance:

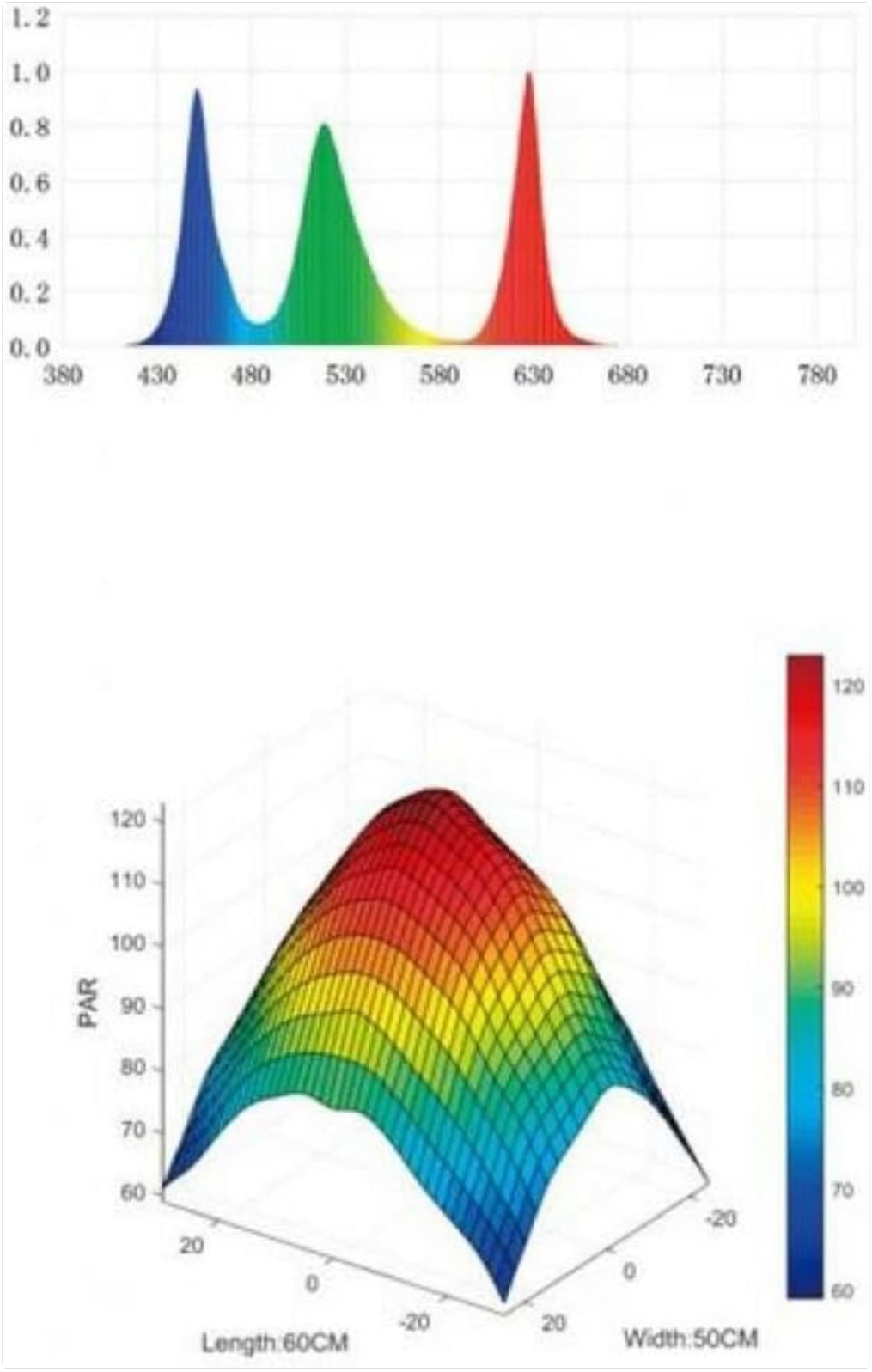


PAR (Photosynthetically Active Radiation) distribution map for the Chihiros WRGB II at 55cm depth, indicating light intensity across the aquarium.



Model	Max Glass	Suite For	LED Qty	Brightness	Power
WRGB30 II Bulit in bluetooth	Max. Glass 10mm	30-45cm tank	30pcs(RGB 3 IN 1)	2300lm	33W
WRGB45 II Bulit in bluetooth		45-60cm tank	50pcs(RGB 3 IN 1)	3600lm	49W
WRGB60 II Bulit in bluetooth		60-80cm tank	60pcs(RGB 3 IN 1)	4500lm	67W
WRGB90 II Bulit in bluetooth	Max. Glass 12mm	90-110cm tank	90pcs(RGB 3 IN 1)	6200lm	100W
WRGB120 II Bulit in bluetooth		120-140cm tank	120pcs(RGB 3 IN 1)	7700lm	130W

Spectral power distribution graph of the Chihiros WRGB II, showing the intensity of red, green, and blue light wavelengths.



A 3D representation of the PAR values across a 60cm length and 50cm width area, illustrating light penetration and spread.

6. Maintenance

6.1 Cleaning

Regular cleaning helps maintain optimal light output and extends the lifespan of your unit.

1. Always unplug the light before cleaning.
2. Gently wipe the LED surface and the light housing with a soft, damp cloth.
3. Do not use abrasive cleaners or solvents, as they may damage the light.

4. Ensure the light is completely dry before plugging it back in.

6.2 Care and Storage

- Avoid dropping or subjecting the light to strong impacts.
- Store the light in a dry, cool place if not in use for an extended period.
- Keep out of reach of children and pets.

7. Troubleshooting

If you encounter issues with your Chihiros WRGB-90 II, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Damaged power adapter/cable	Check power connection and outlet. Ensure adapter is securely plugged in. Test with another outlet. If still not working, contact support.
Light is dim or flickering	Incorrect app settings; Power supply issue; Unit malfunction	Check brightness settings in the Chihiros app. Ensure power adapter is providing stable power. If problem persists, contact support.
Cannot connect via Bluetooth app	Bluetooth off; App issue; Light not in pairing mode; Interference	Ensure Bluetooth is enabled on your device. Restart the app and the light unit. Try pairing again. Move closer to the light.

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

8. Specifications

Detailed technical specifications for the Chihiros WRGB-90 II 10th Edition Aquarium Light:

Feature	Specification
Model	WRGB-90 II 10th Edition
Suitable Aquarium Length	90-110 cm
Power Consumption	100 Watt
Light Source Type	LED (RGB 3-in-1)
Maximum Light Output	10000 Lumen
Number of Light Sources	3 (RGB channels)
Light Color Features	RGB color changing
Shape	Rectangular

Feature	Specification
Material	Plastic
Finish Type	Painted
Power Source	Wired Electric
Mounting Type	Surface Mount
Item Weight	1 Kilogram
Manufacturer	Chihiros Doctor
ASIN	B0FPBGNPL7

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Chihiros website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

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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.

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