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Model: VTL 2900

1. INTRODUCTION

The Bigblue VTL 2900 is a versatile underwater video and dive light designed for clarity and performance. It features a powerful 2900 lumen wide beam with a dedicated blue light mode for enhanced underwater photography and videography, alongside a focused 1000 lumen spot beam for general diving. Constructed from durable stainless steel, this waterproof light is engineered for reliability in demanding underwater environments.



Image: The Bigblue VTL 2900 dive light, showcasing its compact design and dual-beam lens.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Bigblue VTL 2900 Lumens Video Light with Blue Light Mode
- Rechargeable Lithium-Ion Battery
- Battery Charger
- Wrist Mount/Glove
- 1-inch Ball Mount
- Lanyard

3. SETUP

3.1 Battery Installation and Charging

1. **Unscrew the Tail Cap:** Carefully unscrew the tail cap of the dive light counter-clockwise.
2. **Insert Battery:** Insert the provided Lithium-Ion battery with the positive (+) terminal facing towards the light head. Ensure correct polarity.
3. **Secure Tail Cap:** Screw the tail cap back on clockwise until it is finger-tight. Ensure the O-rings are clean and properly seated to maintain the waterproof seal.

4. **Charge Battery:** Before first use, fully charge the battery using the supplied charger. Connect the charger to a power source and insert the battery. The indicator light on the charger will typically change color (e.g., red to green) when charging is complete.



Image: A Bigblue battery charger with a green Lithium-Ion battery inserted, showing the charging indicator light.

3.2 Mounting Options

The VTL 2900 offers flexible mounting for various diving setups:

- **Wrist Mount/Glove:** Attach the light to the included wrist mount for hands-free operation. Secure the light to the mounting plate using the provided screws.
- **1-inch Ball Mount:** Utilize the included 1-inch ball mount to integrate the light with standard camera trays and arms for underwater photography and videography.



Image: The Bigblue VTL 2900 dive light securely attached to a dive glove, ready for hands-free use.



Image: A 1-inch ball mount accessory, used for attaching the dive light to camera systems.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Mode Selection

The VTL 2900 features a single push-button switch for easy operation:

1. **Power On:** Press and hold the power button for approximately 1 second to turn the light on.
2. **Cycle Modes:** Once on, short presses of the power button will cycle through the available light modes:
 - Wide Beam (various brightness levels)
 - Blue Light Mode
 - Spot Beam
3. **Power Off:** Press and hold the power button for approximately 1 second to turn the light off.



Image: An illustration showing four distinct brightness levels, indicating the light's adjustable output.

4.2 Battery Level Indicator

The power button also serves as a battery level indicator:

- **Green:** Full to 50% battery
- **Blue:** 50% to 20% battery
- **Red:** 20% to 5% battery
- **Flashing Red:** Below 5% battery, recharge immediately.



Image: Close-up of the Bigblue VTL 2900's power button, showing its function as a battery level indicator with different colored lights.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your dive light:

- **Rinse After Use:** After every dive, thoroughly rinse the light with fresh water to remove salt, sand, and other debris.
- **Inspect O-rings:** Regularly inspect the O-rings for cuts, cracks, or dirt. Clean them with a soft cloth and apply a thin layer of silicone grease as needed. Replace damaged O-rings immediately.
- **Charge Battery:** Always fully charge the battery after use and before long-term storage. Do not store batteries completely depleted.
- **Storage:** Store the light in a cool, dry place away from direct sunlight. For extended storage, remove the battery.
- **Lens Care:** Clean the lens with a soft, lint-free cloth. Avoid abrasive materials that could scratch the lens.



Image: A blue Bigblue branded dry bag, suitable for protecting and storing dive equipment.

6. TROUBLESHOOTING

If you encounter issues with your VTL 2900, refer to the following common solutions:

Problem	Possible Cause	Solution
Light does not turn on	Depleted battery Incorrect battery installation Loose tail cap	Recharge battery Check battery polarity Tighten tail cap securely
Light flickers or dims	Low battery Poor battery contact	Recharge battery Clean battery contacts and ensure secure fit
Water inside light housing	Damaged or dirty O-rings Improperly sealed tail cap	Immediately open, dry, and inspect O-rings. Clean and grease or replace O-rings. Ensure tail cap is securely tightened.
Button unresponsive	Battery issue Internal fault	Check battery. If problem persists, contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model	VTL 2900
White Brightness	2900 Lumens (Wide Beam)
Spot Beam Brightness	1000 Lumens
Special Features	Blue Light Mode, Underwater Visibility, Waterproof
Power Source	Battery Powered
Battery Type	Lithium Ion
Runtime	Approximately 1 hour and 30 minutes (at highest setting)
Material	Stainless Steel
Water Resistance Level	Waterproof
Mounting Type	Handheld, 1-inch Ball Mount compatible
Included Components	Light unit, battery, charger, wrist mount, 1-inch ball mount

8. WARRANTY INFORMATION

The Bigblue VTL 2900 dive light comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, unauthorized modification, improper maintenance, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Bigblue customer service through their official website or the retailer from whom the product was purchased. Always provide your product model number (VTL 2900) and a detailed description of the issue when seeking support.