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› SPANN Battery Replacement for Topcon LS-B100, LS-B100 Machine Control Laser, LS-B110, LS-B110 Machine Control Laser, LS-B110W, Part No: BT-68Q, GP180AAH4X6Z 4.8V

SPANN CS-TOB100SL

Instruction Manual

SPANN Battery Replacement for Topcon LS-B100, LS-B110 Series

INTRODUCTION

This manual provides essential information for the safe and effective use of your SPANN replacement battery. Please read this manual thoroughly before installation and operation.

PRODUCT OVERVIEW

The SPANN replacement battery is designed for compatibility with Topcon LS-B100, LS-B100 Machine Control Laser, LS-B110, LS-B110 Machine Control Laser, and LS-B110W devices. It is a Ni-MH battery with a voltage of 4.8V and a capacity of 2000mAh / 9.60Wh.

Key Features:

- No memory effect
- Integrated protection against over-charge, over-discharge, over-heat, over-current, and short-circuit.



Image: Front view of the SPANN replacement battery, showing its two blue cells connected by wires and a connector.

SAFETY INFORMATION

Always handle batteries with care. Improper handling can lead to fire, explosion, or other hazards.

- Do not attempt to disassemble, open, or service the battery pack.
- Replace only with the battery pack designated for this product.
- Do not crush, puncture, short external contacts, or dispose of in fire or water.
- Do not expose to temperatures above 60°C (140°F).
- Keep out of reach of children.

SETUP AND INSTALLATION

Before installing the new battery, ensure the device is powered off and disconnected from any power source.

1. Locate the battery compartment on your Topcon LS-B100, LS-B110, or LS-B110W device. Refer to your device's original manual for specific instructions on accessing the battery compartment.
2. Carefully remove the old battery. Disconnect its connector from the device's port.
3. Align the connector of the new SPANN battery (Model CS-TOB100SL) with the corresponding port in your device. Gently push until it clicks into place, ensuring a secure connection.



Image: Close-up view of the battery's connector, showing the three wires (red, white, black) leading to the black plastic housing.

4. Insert the battery pack into the compartment, ensuring it fits snugly without forcing.
5. Close the battery compartment cover securely.

Note: The battery is partially charged upon delivery. For optimal performance, fully charge the battery before its first use.

OPERATING INSTRUCTIONS

Once installed, the SPANN replacement battery operates identically to the original battery. Refer to your Topcon device's user manual for specific operating procedures.

Charging:

- Use only the charger specified by Topcon for your LS-B100/LS-B110 series device.
- Connect the device to its charger and a power source.
- Monitor the device's charging indicator. Charging times may vary based on the device and charger.

Battery Life:

The actual battery life depends on the device's power consumption and usage patterns. To maximize

battery life:

- Avoid extreme temperatures.
- Store the device and battery in a cool, dry place when not in use.
- For long-term storage, charge the battery to approximately 50% capacity.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your battery.

- Keep battery contacts clean. Use a dry, soft cloth to wipe away any dust or debris.
- Do not expose the battery to moisture or liquids.
- If the battery is not used for an extended period, it is recommended to charge it every 3-6 months to maintain its health.

TROUBLESHOOTING

If you experience issues with your SPANN replacement battery, consider the following:

Problem	Possible Cause	Solution
Device does not power on.	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly seated in the compartment. Check connector.
Battery not charging.	Faulty charger or connection issue.	Verify charger functionality with another device if possible. Re-seat battery and charger cable.
Short operating time.	Battery not fully charged or aging.	Ensure full charge cycle. If issue persists, battery may be nearing end of life.

If troubleshooting steps do not resolve the issue, please contact SPANN customer support.

SPECIFICATIONS

Attribute	Value
Model Number	CS-TOB100SL
Compatible Part Numbers	BT-68Q, GP180AAH4X6Z
Battery Type	Ni-MH
Voltage	4.8V
Capacity	2000mAh / 9.60Wh
Product Dimensions	1.14 x 0.59 x 2.06 inches
Item Weight	12.3 ounces

WARRANTY AND SUPPORT

This SPANN replacement battery comes with a**365-day warranty** from the date of purchase. This

warranty covers manufacturing defects and ensures the product meets its stated specifications. For warranty claims, technical support, or any questions regarding your battery, please contact SPANN customer service. Keep your purchase receipt as proof of purchase.

Contact Information:

Please refer to the seller's contact information on your purchase platform or the SPANN official website for the most current support details.