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Makita SK20GD

Makita SK20GD Rechargeable Indoor and Outdoor Marking Device

User Manual

1. Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita SK20GD Rechargeable Indoor and Outdoor Marking Device. Please read this manual thoroughly before using the device to ensure proper handling and to prevent injury or damage.
The Makita SK20GD is a versatile laser marking device designed for high-precision projection in both indoor and outdoor environments. It features a high-brightness "Direct Green" laser for enhanced visibility and is powered by Makita's 10.8V slide-type Li-ion batteries (sold separately).

2. Safety Instructions

Always observe the following safety precautions to reduce the risk of personal injury and damage to the device.

- **Laser Safety:** This device emits a laser beam. Do not stare directly into the laser beam or direct it at other people. Laser radiation can cause eye injury.
- **Battery Safety:** Use only Makita 10.8V slide-type Li-ion batteries and compatible chargers. Do not attempt to use other battery types. Ensure batteries are inserted correctly.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Environmental Conditions:** Avoid using the device in wet or damp conditions. Do not expose it to rain.
- **Storage:** Store the device in a secure, dry place out of reach of children when not in use.
- **Maintenance:** Do not attempt to disassemble or modify the device. Refer all servicing to qualified Makita service personnel.

3. Product Overview

3.1 Components and Included Accessories

The Makita SK20GD marking device comes with the following components and accessories:

- Makita SK20GD Marking Device Unit
- Receiver LDG-5 Vice
- Storage Case
- 9V Battery for Trial Receiver (Note: This is for the receiver, not the main unit)
- Shoulder Strap

- Laser See-through Glasses
- *Note: Battery and charger for the main unit are sold separately.*

3.2 Key Features

- CXT Simple Laser Standard Marker with Selection Function + High Precision Projection
- Direct compatibility with Makita 10.8V slide-type Lithium-ion batteries for extended use
- High brightness "Direct Green" laser for superior visibility in bright conditions and long-distance projections
- Includes a durable storage case for protection and portability
- Multiple line patterns: Oshine, Low, and Lead Points

3.3 Product Diagram



Figure 1: Front view of the Makita SK20GD Rechargeable Indoor and Outdoor Marking Device. The device is teal and black, featuring a

green laser output window and control buttons on top. It stands on adjustable feet.



Figure 2: Makita 12V max Lithium-Ion battery compatibility logo, indicating the type of power source for the device.

4. Setup

4.1 Battery Installation

1. Ensure the device is turned off before installing or removing the battery.
2. Locate the battery compartment on the device.
3. Align the Makita 10.8V slide-type Li-ion battery with the battery slot.
4. Slide the battery into the compartment until it clicks securely into place.
5. To remove, press the battery release button (if present) and slide the battery out.

Note: The main unit requires a Makita 10.8V slide-type Li-ion battery. A 9V battery is included for the trial receiver only.

4.2 Initial Checks

- Verify that the battery is fully charged before first use.
- Ensure the device is placed on a stable, level surface.
- Familiarize yourself with the control buttons and laser output window.

5. Operation

5.1 Powering On/Off

- To turn on the device, press the power button located on the control panel. The green laser beam will activate.
- To turn off the device, press and hold the power button until the laser beam extinguishes.

5.2 Mode Selection and Projection

The SK20GD offers various projection patterns. Use the mode selection button (refer to device markings for exact button) to cycle through the available patterns:

- **Oshine:** (Specific pattern, refer to device for visual representation)
- **Low:** (Specific pattern, refer to device for visual representation)
- **Lead Points:** (Specific pattern, refer to device for visual representation)

Position the device to project the desired laser lines or points onto your target surface. Adjust the device's position and angle as

needed for accurate marking.

5.3 Using the Receiver LDG-5 Vice

For outdoor use or in bright conditions where the laser line may be difficult to see, use the included Receiver LDG-5 Vice. Follow the receiver's specific instructions for pairing and detection of the laser beam.

6. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Keep the laser output window clean for optimal performance.
- **Storage:** When not in use, store the device in its original storage case in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Battery Care:** Follow the charging and storage instructions provided with your Makita 10.8V Li-ion batteries and charger.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Battery not installed correctly or discharged.	Ensure battery is fully charged and properly inserted.
Laser beam is dim or flickering.	Low battery charge; dirty laser output window.	Recharge battery; clean the laser output window with a soft cloth.
Inaccurate projection.	Device not level; unstable surface.	Place device on a stable, level surface. Check for obstructions.
Receiver not detecting laser.	Receiver battery low; incorrect receiver settings.	Replace 9V battery in receiver; refer to receiver manual for settings.

8. Specifications

Attribute	Detail
Model Number	SK20GD
Brand	Makita
Voltage	10.8V (DC) / 12 Volts (Max)
Battery Type	Lithium Ion (slide type)
Laser Color	Direct Green
Operation Mode	Automatic
Unit Dimensions (Diameter x Height)	98 x 223 mm (3.9 x 8.8 inches)
Product Dimensions (L x W x H)	50 x 50 x 28 cm
Weight (with BL1015 battery)	1.4 kg (3.1 lbs)
Estimated Workload per Charge (Eco-mode, BL1040B / 1015)	Approximately 41/16 hours

Attribute	Detail
Included Components	Receiver LDG-5 Vice, Storage Case, 9 V Battery for Trial Receiver, Shoulder Strap, Laser See-through Glasses
UPC	088381880428

9. Warranty and Support

Makita products are manufactured under strict quality control standards. For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your purchase or visit the official Makita website for your region. Please retain your proof of purchase for any warranty claims.

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