

Spectra Precision RC402

Spectra Precision RC402 Remote Control Instruction Manual

For use with GL412, GL422, GL512, GL522 Laser Levels

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of the Spectra Precision RC402 Remote Control. The RC402 is designed to enhance the functionality and ease of use of compatible Spectra Precision laser levels, specifically the GL412, GL422, GL512, and GL522 models. Please read this manual thoroughly before using the remote control to ensure proper performance and to prevent damage.

Important: The RC402 remote control is not compatible with GL412N or GL422N laser level models.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the RC402 remote control and associated laser levels:

- Do not attempt to disassemble or modify the remote control. This can void the warranty and cause damage.
- Keep the remote control dry and away from extreme temperatures.
- Use only the specified battery type (2 D batteries). Ensure correct polarity during installation.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Dispose of used batteries according to local regulations.
- Always refer to the laser level's instruction manual for specific safety guidelines related to laser operation.

3. PRODUCT OVERVIEW

The Spectra Precision RC402 is a robust remote control designed for precise grade and slope adjustments of compatible Spectra Precision laser levels. It features a clear display and intuitive button layout for efficient operation on job sites.



Figure 1: Spectra Precision RC402 Remote Control. The device is yellow with a gray control panel. The LCD screen displays grade percentages, and the panel includes directional arrow buttons, an on/off button, and a mode button.

3.1 Key Components

- **LCD Display:** Shows current grade/slope values, battery status, and operational modes.
- **Directional Arrow Buttons:** Used to adjust grade and slope settings.
- **On/Off Button:** Powers the remote control on and off.
- **Mode/Function Button:** Selects different operating modes or functions.
- **Battery Compartment:** Located on the rear, houses the D-cell batteries.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the RC402 remote control.
2. Open the cover by sliding or unscrewing it (refer to the diagram on the device if unsure).
3. Insert two (2) D-cell batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

Note: Two D batteries are typically included with the RC402.

4.2 Pairing with Laser Level

The RC402 remote control is designed to automatically connect with compatible Spectra Precision GL412, GL422, GL512, and GL522 laser levels when both devices are powered on and within range. No manual pairing procedure is typically required for initial connection.

- Ensure your compatible laser level (GL412, GL422, GL512, or GL522) is powered on and operating correctly.
- Press the **ON/OFF** button on the RC402 remote control to power it on.
- The remote control display should activate and show connection status or default settings.
- If connection issues occur, ensure both devices have fresh batteries and are within the specified operating range. Refer to your laser level's manual for specific remote control communication details.

5. OPERATING INSTRUCTIONS

Once the RC402 is powered on and connected to your laser level, you can use it to control various functions remotely.

5.1 Powering On/Off

- To power on: Press the red **ON/OFF** button. The display will illuminate.
- To power off: Press and hold the red **ON/OFF** button for approximately 2 seconds until the display turns off.

5.2 Adjusting Grade and Slope

The primary function of the RC402 is to adjust the grade and slope of the laser beam remotely.

1. Ensure the laser level is set to a grade or slope mode that allows remote adjustment.
2. Use the **Up** (▲) and **Down** (▼) arrow buttons to adjust the primary grade (X-axis).
3. Use the **Left** (◀) and **Right** (▶) arrow buttons to adjust the secondary grade (Y-axis) or other directional settings, depending on the laser level's mode.
4. The LCD display on the RC402 will show the current grade/slope values as they are adjusted.

Consult your specific laser level's manual for detailed instructions on grade and slope modes and their interaction with the RC402.

5.3 Other Functions

The RC402 may offer additional functions depending on the connected laser level. These can include:

- Changing rotation speed.
- Activating/deactivating scan modes.
- Enabling/disabling mask modes.

Refer to the laser level's manual for specific button assignments and functions when used with the RC402.

6. MAINTENANCE

6.1 Cleaning

- Wipe the remote control with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the casing or display.
- Ensure the remote control is dry before storage or next use.

6.2 Battery Replacement

Replace batteries when the low battery indicator appears on the LCD display or when the remote control fails to power on or respond. Follow the steps in Section 4.1 for battery installation.

6.3 Storage

When not in use, store the RC402 remote control in a clean, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent potential leakage and damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Remote control does not power on.	Dead or incorrectly installed batteries.	Replace batteries with new D-cells, ensuring correct polarity.
Remote control does not communicate with laser level.	Out of range. Laser level not powered on or incompatible model. Interference.	Move closer to the laser level. Ensure laser level is on and is a GL412, GL422, GL512, or GL522 model. Check for obstructions or strong radio interference.
Display is dim or flickering.	Low battery power.	Replace batteries.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	Spectra Precision
Part Number	RC402
Item Model Number	RC402
Item Weight	9.2 ounces
Product Dimensions	9.84 x 11.81 x 9.06 inches
Batteries	2 D batteries required (included)
Compatibility	Spectra Precision GL412, GL422, GL512, GL522 Laser Levels
Date First Available	August 22, 2013

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Spectra Precision RC402 Remote Control, please contact Spectra Precision customer service or your authorized dealer. Retain your proof of purchase for warranty claims.

You can find contact information and additional resources on the official Spectra Precision website or through your product documentation.

Note: Specific warranty terms may vary by region and purchase date. Always refer to the official warranty statement provided with your product.