GL1425C Hands-on

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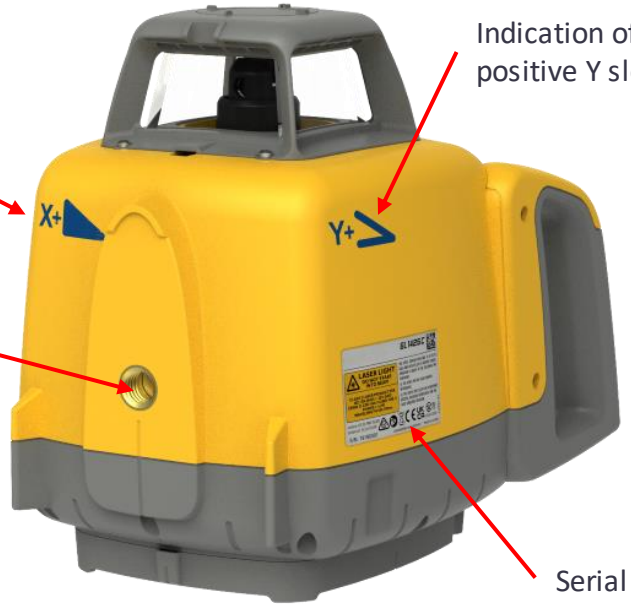
GL1425C Spectra Precision Dual Grade Laser

GL1425C Controls

GL1425C Peripherals

GL1425C Peripherals



Indication of the positive X slope

Indication of the positive Y slope

5/8“ X 11 for vertical

Serial label including the laser safety label

GL1425C Installing the batteries

Open the battery door by pulling the latch here.

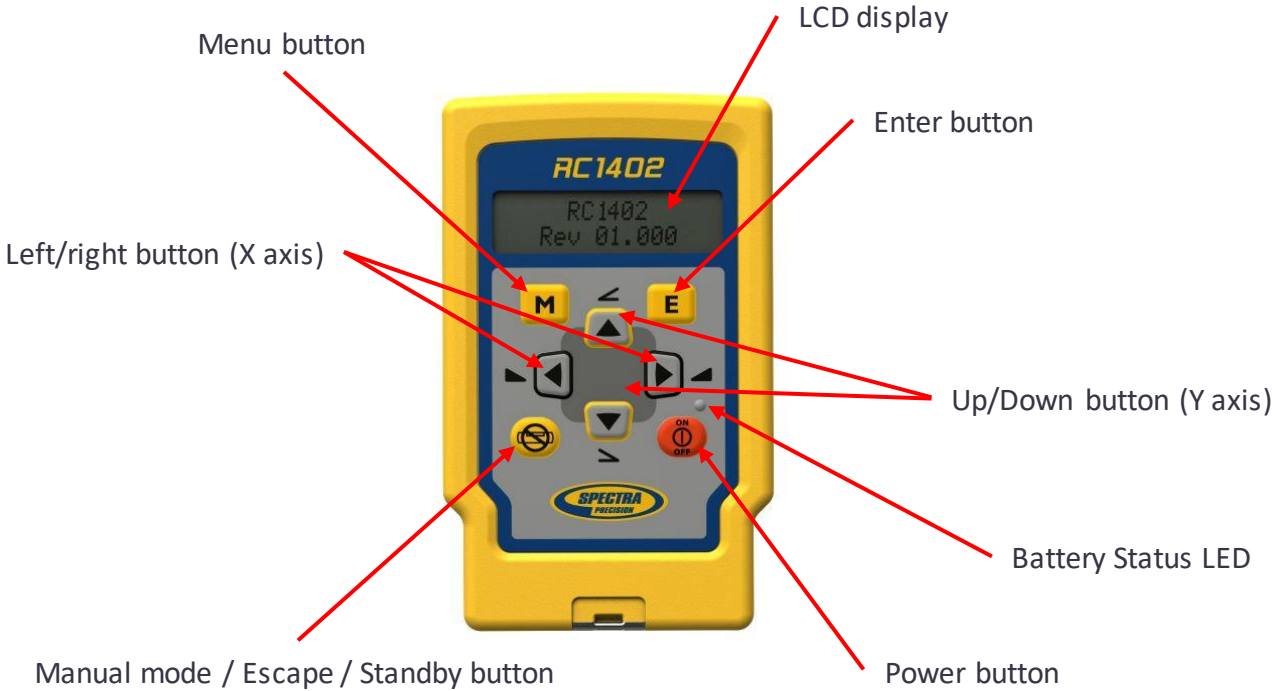
Battery Pack NiMH (B10)

Install/remove the battery pack. The design prevents miss-insertion. Do not open the cage for exchanging the rechargeable batteries.

Charger worldwide (CH10)

If using 4 x D-Cell alkaline batteries, note the plus (+) and minus (-) diagramm within the battery pocket.

RC1402 Remote Control



RC1402 Remote Control

Powering the RC1402

1. Open the battery door using a coin or similar pry device to release the battery door tab on the RC1402N.
2. Insert two AA batteries noting the plus (+) and minus (-) diagrams inside the battery housing.
3. Close the battery door. Push down until it „clicks“ into the locked position.

Turning On the RC1402
Press the Power button to turn on the radio remote control.

The RC1402 mirrors the functionality of the GL1425C keypad.

Turning Off the RC1402
Press and hold the Power button for two seconds.

The RC1402 is backwards compatible with the products GL412N, GL422N, HV302(G) and LL300S

RC1402 pairing with the laser

Option 1:

1. Make sure both the laser and the remote control are turned off.
2. Start with the laser: Press and hold the manual button and turn on the laser pressing the power button. Result: the laser battery LED flashes fast.
3. Continue with the remote control: Within six seconds press and hold the manual button and turn on the remote control pressing the power button.
4. The laser and the RC1402 display show „Pairing OK“ for one second. Finally the RC1402 shows the laser information to indicate the laser has been machted with the remote control.

Option 2:

Bring the laser into pairing mode using the Menu

1. Press the M button.
2. Scroll to Settings, press the E button.
3. Scroll to Pairing, press the E button.
4. Scroll to Radio, press the E button. Result: the laser is in pairing mode.
5. Do step 3 from option 1.
6. The laser and the RC1402 display show „Pairing OK“ for one second. Finally the RC1402 shows the laser information to indicate the laser has been machted with the remote control.

HL760 pairing with the laser

Start with bringing the HL760 into pairing mode.

1. Turn on the HL760.
2. Press and hold the (A) and (B) buttons for two seconds simultaneously.
3. The display shows MENU first, then RDIO.
4. Press the (C) button to display the radio mode:

5. Check if MODE LS is shown to connect the HL760 with a laser (LS).
6. If yes, proceed with step 10.
7. If no, press (C) button. Result: the current mode (HL or OF) flashes.
8. Press (A) or (B) button until MODE LS is blinking.
9. Press (C) button to enter MODE LS. Result: MODE LS stops blinking.
10. Press (B) button. Result: Shows „PAIR“.
11. Press (C) button again. Result: Shows „PAIR“ and a rotating bar.

Switch to laser.

12. Make sure laser is turned off.
13. Press and hold (manual button) and press (power button). Result: Battery LED flashes fast.
14. „PAIR OK“ will be displayed. The laser turns back to the standard display.
15. Press (HL760 power button) twice to show the receiver standard display.
16. Result: the receiver display shows the laser and antennna symbol to confirm the radio connection:

CR700 pairing with the laser

Start with bringing the CR700 into pairing mode

1. Press (power button) to turn on the CR700
2. Press (menu button).
3. Scroll down to „RDIO“ to display the radio mode:

RDIO LS	or	RDIO HL	or	RDIO OF

4. Check if RDIO LS is shown to connect the CR700 with a laser (LS).
5. If yes, proceed with step 10
6. If no, press (enter button). Result: the current RDIO (HL or OF) flashes.
7. Press or button until RDIO LS is blinking.
8. Press (enter button) to enter RDIO LS. Result: RDIO LS stops blinking.
9. Scroll down to „PAIR“.
10. Press (enter button) again. Result: Shows „PAIR“ and a rotating bar.

Switch to laser

11. Make sure laser is turned off.
12. Press and hold (manual button) and press (power button). Result: Battery LED flashes fast.
13. „PAIR OK“ will be displayed. The laser turns back to the standard display.
14. Press (CR700 menu button) once to show the receiver standard display.
15. Result: the receiver display shows the laser and antennna symbol to confirm the radio connection:

power / menu


scroll up


enter


scroll down

Turn on the laser

To turn the laser on, press the power button for two seconds.

The laser always powers on in automatic self leveling mode.

The LCD shows „Initialisation“ and for one second the software revision.

All LEDs are turned on for two seconds.

The LCD shows the grade value, the mask mode and for a few seconds the battery status.

Turn on the laser

Status LED flashes during self-leveling once a second.

When leveled, the status LED lights solid for the first five minutes or 30 seconds (depending on settings), then flashes every four seconds indicating the laser remains leveled and HI-alert has been activated.

If a grade value has been dialed in, the laser starts the temperature reference check while the thermometer symbols are flashing.

After the temperature reference check the standard display appears and the A symbol flashes until self-leveling has been completed.

Pressing and holding the E button shows the current rotation speed, the internal product temperature and battery status.

Turn off the laser

Press and hold the Power button for two seconds turns off the laser.

Standby mode

Standby mode helps to increase the battery life but still controls the laser set up during breaks. The self-leveling and rotation will be stopped and the laser beam will be turned off while the shock warning (HI-alert) is still active.

Press and hold the manual button at the laser or remote control for three seconds to activate the standby mode.

The HI/MAN LED at the laser flashes red every five seconds while the display shows „Standby“.

Press and hold the manual button for three seconds to deactivate standby mode and restore full operations of the laser.

Manual mode

Manual mode bypasses the laser's automatic leveling to use the laser in slope mode in horizontal or vertical set up.

Press and release the manual button at the laser or the remote control.

Result: the MAN LED will flash red once a second.

Horizontal: slope the laser beam using the arrow buttons at the laser or the remote control.

Vertical: the up/down arrow buttons adjust the vertical slope. The left/right arrow buttons can be used for the line adjustment to the left and right.

To resume the automatic self-leveling mode, press the manual button again

Mask mode

Mask mode allows you to electronically turn off the laser beam in up to three lighthouse sections to prevent interference with other receivers or reflecting surfaces on the job site.

At the laser or remote control press up/down arrow button and within one second press the manual button to mask the + or – Y axis.

At the laser or remote control press left/right arrow button and within one second press the manual button to mask the + or – X axis.

The display indicates which section of the laser has been turned off.

Note: The laser always powers on with the mask mode deactivated.

Line Scan – Vertical Setup

When setting up the unit vertical, Line Scan centers the rotor horizontally and can be used to align the laser reference to a deired line position. Line Scan can be activated as a standard feature as well as using the menu.

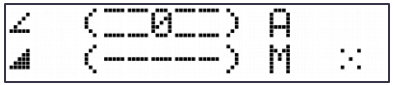
Press the left/right arrow buttons simultaneously to start the Line Scan while the rotor checks the limits of the X axis (beep) and stops at the center position.

Press the manual button to stop the rotor movement.

Result: the laser is now in manual mode.

Fine corrections left and right can be done using the left/right arrow buttons.

Press the manual button again to change the laser back to automatic mode.



Menu functions

Press the M (Menu) button at the standard display to enter the menu.

The menu offers only the features which can be selected depending on the setup (horizontal or vertical).

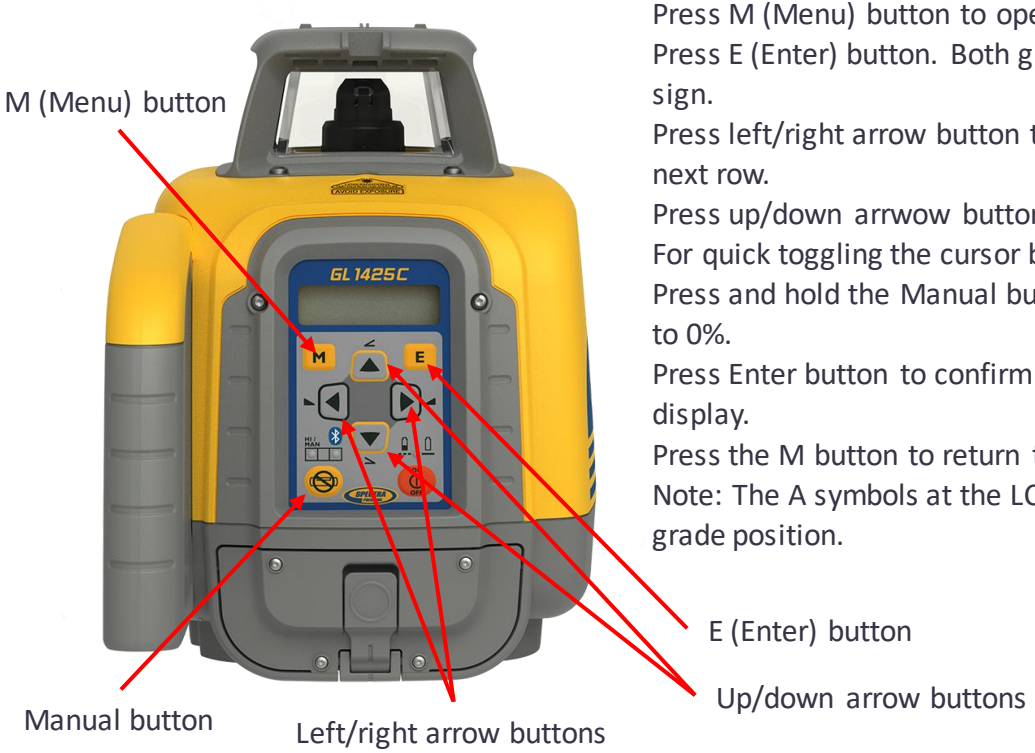
The feature to choose is marked within the arrow brackets >>...<<.

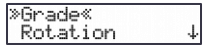
A down or up arrow on the right site indicates the user can scroll down or up through the menu using the down or up arrow buttons.

Press the M button to changes the laser back to the standard or previous display.

Press E (Enter) button to open the submenu or to start the selected feature.

Grade Enter – Digit select mode



Press M (Menu) button to open the menu. >>Grade<< will be shown. 

Press E (Enter) button. Both grade values will be shown and the cursor flashes at the +Y sign.
Press left/right arrow button to move the cursor to the left and right and in a circle to the next row.
Press up/down arrwow button to change the sign (grade reverse) and set the desired digit.
For quick toggling the cursor between the X and Y axis, press the Manual button.
Press and hold the Manual button for two seconds sets the grade value of the current acis to 0%.
Press Enter button to confirm the selected grade value and to return to the standard display.
Press the M button to return to standard display at any time and to escape from submenu.
Note: The A symbols at the LCD will flash until the laser has self-leveled to the requested grade position.

Grade Enter – Step & go mode

Press the left or right arrow button to change the X axis grade value starting at the last digit.
Press and hold left/right arrow buttons simultaneously to set the grade value of the X axis to 0% and to start the quick change mode where the grade value in front of the decimal point will be changed in 1% increments.
Press the up or down arrow button to change the Y axis grade value starting at the last digit.
Press and hold up/down arrow buttons simultaneously to set the grade value of the Y axis to 0% and to start the quick change mode were the grade value in front of the decimal point will be changed in 1% increments.
Note: An asterisk at the right side indicates which grade value will be changed.
Note: The laser will self-level to the required grade position a few seconds after releasing the arrow button.
Note: The A symbols at the LCD will flash until the laser has self-leveled to the requested grade position.

Rotation speed

Press the M (Menu) button to open the menu.
Scroll down until >>Rotation<< is marked.

Press E (Enter) button to enter the submenu. All available rotation speeds are shown. The current rotation speed is marked in >> << brackets.
Scroll up or down using the up/down arrow buttons to select the requested rotation speed marked in >> << brackets.
Press E button to confirm the selected rotation speed and to return to the standard display.
Note: When powering on the laser always starts with the previously saved rotation speed.