

# OPERATING MANUAL

CONSIGNES DE FONCTIONNEMENT

INSTRUCCIONES DE FUNCIONAMIENTO



## RL 322GR

LASER TRANSMITTER



**Dave White's**  
**SitePro**™

### IMPORTANT:

Read Before Using

### IMPORTANT:

Lire avant usage

### IMPORTANTE:

Leer antes de usar



Dave White's  
**SitePro<sup>TM</sup>**

David White® Brand is exclusive of Dave White's SitePro LLC. SitePro is not responsible for errors caused by instruments that are out of adjustment. It is important that you read the entire instruction manual before use of this instrument for care and maintenance.

We would appreciate your feedback on this product or any other product comments or suggestions. Please send to **[info@dwsitepro.com](mailto:info@dwsitepro.com)**

# **Set Your Sights On Precision and Accuracy with Dave White's SitePro**

Thank you for your purchase of our laser instrument. The purpose of this user's guide is to acquaint you with your instrument, its components, safety, proper care, and handling.

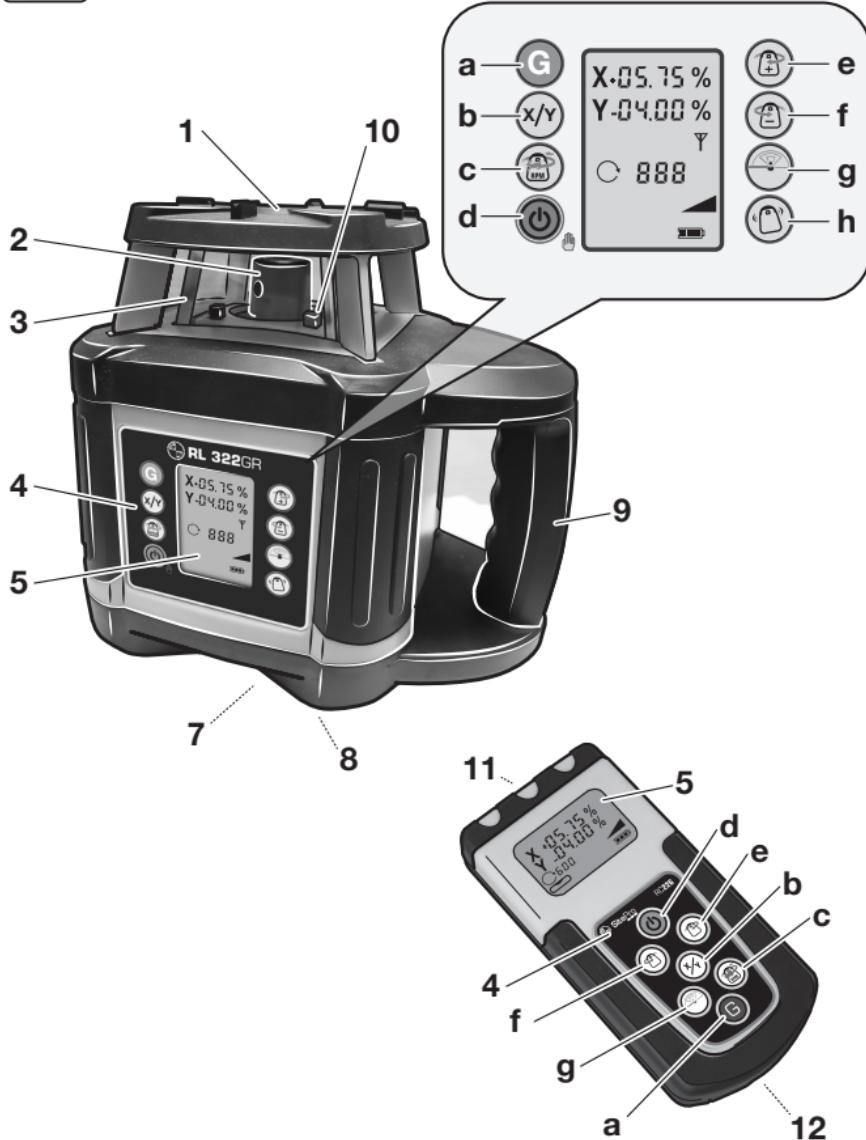
Our instruments are constructed to withstand rugged field use. Like all precision instruments, however, they should be treated with reasonable care to prolong life and accuracy.

**IMPORTANT! All instruments are adjusted when they are shipped from the factory. It is the customer's responsibility to check and to ensure instruments are adjusted prior to using.**

A accuracy check is recommended before the initial use of your instrument, and then periodically from that point forward (**see Accuracy Check**). If your instrument is dropped or you have uncertainty, then return it to your reseller for a calibration check and adjustment if needed.



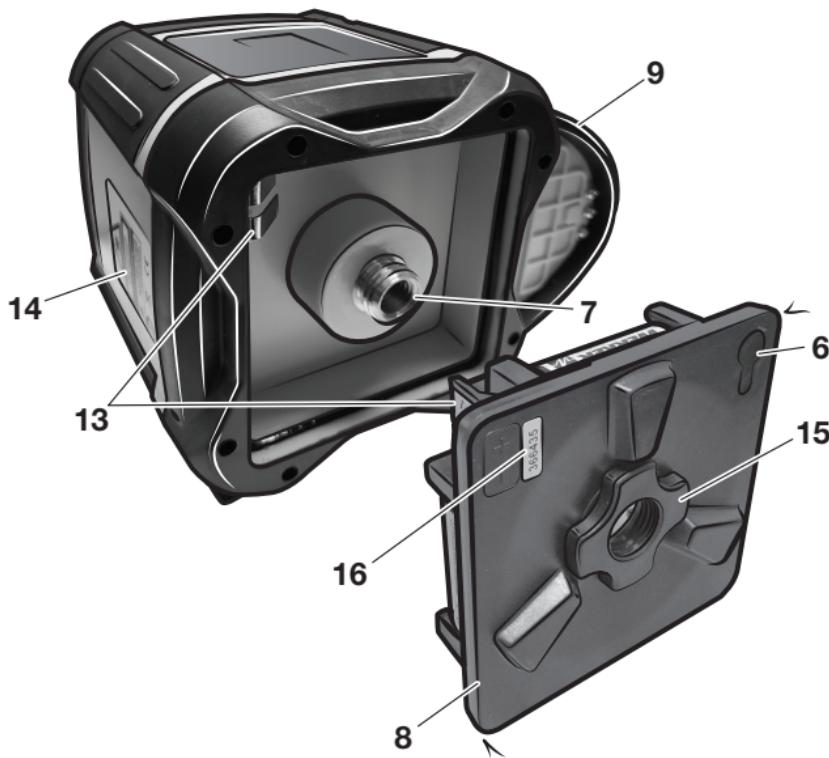
**RL 322GR** Rotary Laser  
**RC 22G** Remote Control





## RL 322GR

Battery Compartment - Bottom of Instrument



## INTENDED USE

This laser instrument is intended for determining and checking precise horizontal and vertical lines as well as determining grade or slope. This instrument is suitable for indoor and outdoor use.

# FEATURES

The numbering of the product features shown refers to the illustration of the instrument on the graphic page.

- |           |   |           |   |
|-----------|---|-----------|---|
| <b>1</b>  | Window for Plumb Laser Beam   | <b>5</b>  | LCD Display                               |
| <b>2</b>  | Rotating Laser Beacon   | <b>6</b>  | Charging Port                             |
| <b>3</b>  | Glass Lighthouse  | <b>7</b>  | 5/8-11 Tripod Mount, Down<br>Plumb Beam   |
| <b>4</b>  | Control Keypad  | <b>8</b>  | Battery Compartment Base                  |
| <b>4a</b> | Grade Setting Mode Button   | <b>9</b>  | Carrying Handle                           |
| <b>4b</b> | Grade Axis Select Button  | <b>10</b> | Receptors (x4) for Remote<br>Control      |
| <b>4c</b> | Variable Rotation Speed Button  | <b>11</b> | Remote Receptor Window                    |
| <b>4d</b> | Power Button  | <b>12</b> | Battery Door                              |
| <b>4e</b> | Clockwise Beam Positioning/<br>Grade (+) Value Adjustment<br>Button         | <b>13</b> | Battery Electrode Connection<br>Terminals |
| <b>4f</b> | Counter-Clockwise Beam<br>Positioning/ Grade (-) Value<br>Adjustment Button | <b>14</b> | Warning Label                             |
| <b>4g</b> | Variable Scanning Mode Button   | <b>15</b> | Thumb Bolt for Battery<br>Compartment     |
| <b>4h</b> | Tilt Sensor/Smart H.I. System<br>Button                                     | <b>16</b> | Serial Number                             |

# PREPARATIONS

The laser is shipped with both a rechargeable Ni-MH battery pack and alkaline batteries.

**Battery Note:** The approximate charge of the batteries is shown at the right bottom side of the LCD.

## Recharging Ni-Mh Battery Pack

Insert the charger into the outlet and the charging port **6** of the instrument or the battery pack.

When using the standard rechargeable batteries of the instrument, recharging takes up to 8 hours (4 x 5000 mAh Ni-Mh batteries).

Power required for the charger:

Frequency: 50-60HZ; Voltage:

85-265V.

Instrument can be used while charging rechargeable battery pack.

Brand-new rechargeable batteries or rechargeable batteries unused for long period need to be recharged and discharged three times to attain full capacity.

## **Inserting/Replacing Batteries or NIMH pack**

Rechargeable or alkaline batteries are suitable for use to power your instrument.



**Always replace all alkaline batteries at the same time. Only use batteries from one brand and with the identical capacity.**

**Remove the batteries/pack from the tool when not using it for extended periods. When storing for extended periods, the batteries can corrode and discharge themselves.**

Un-screw the bolt **15** at the bottom of instrument base **8**. Remove the battery pack.

Use either alkaline batteries or Ni-Mh battery pack. When inserting alkaline

batteries, pay attention to the correct polarity (+ and -) according to the representation on the inside of the battery compartment.

When installing the battery pack onto base, be certain that electrode connection **13** align properly. Secure by tighten the bolt onto the bottom of instrument base.

Remove the batteries from the tool when not using it for extended periods. When storing for extended periods, the batteries can corrode and discharge themselves.

## **RC 22G RADIO REMOTE control**

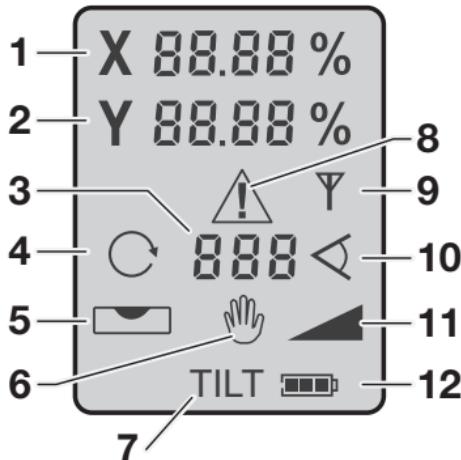
The RC 22G will be shipped with alkaline batteries. Rechargeable batteries can be used optional but need to be charged externally.

1. Open the battery door **12** using a coin or similar pry device to release the battery door tab on the RC 22G.
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.

# DISPLAY INDICATORS

The remote control mirrors the functionality on keypad and display indicators of the RL 322GR.

- 1 Grade % Digits for X-Axis
- 2 Grade % Digits for Y-Axis
- 3 Rotation Speed (RPM) or Sweep Angle (Degrees) Digits
- 4 Rotation Mode Icon
- 5 Bubble Icon
- 6 Manual Mode Icon
- 7 Smart H.I./Tilt Sensor Icon
- 8 Warning Icon
- 9 Signal Connect Icon
- 10 Sweep Mode Icon
- 11 Grade Mode Icon
- 12 Battery Status Icon



# OPERATION

The wireless remote control is a hand-held device that allows you to send commands to the laser from a remote location.

To use the remote, first Power On **④d** the laser instrument. Then, press the remote power button **④d** to turn on the remote control. A signal bar **¶** will indicate the radio connection between the laser and the remote control.

If the remote is unable to contact the

laser instrument, the remote display will indicate no signal.



You may be out of range or an object is interfering. Also, be sure instrument is ON.

With every button press, the LCD backlight is activated and turns off

automatically if no button is pressed for 8 seconds.

To turn off the radio remote control, press and release the power button  **4d** on the remote.

**!WARNING** **Do not subject the instrument to extreme temperatures or variations in temperature.** As an example, do not leave it in vehicles for long time. In case of large variations in temperature, allow the instrument to adjust to the ambient temperature before putting it into operation. In case of extreme temperatures or variations in temperature, the accuracy of the instrument can be impaired.

**Avoid heavy impact to or falling down of the instrument.** After severe exterior effects to the instrument, it is recommended to carry out an accuracy check each time before continuing to work.

## Setting Up the Instrument

Position the instrument on a firm surface in the horizontal or vertical position, mount it to a tripod or to the wall mount with alignment unit.

This instrument can be mounted in horizontal using the built-in 5/8-11 tripod mount thread **7** or in vertical position using the built-in trivet with 5/8-11 thread **10**.

Due to the high leveling accuracy, the instrument reacts sensitively to ground vibrations and position changes. Therefore, pay attention that the position of the instrument is stable in order to avoid operational interruptions due to re-leveling.

## Switching On and Off

Press the Power ON/OFF  **4d** keypad and allow the laser instrument to self-level. The laser instrument recognizes automatically whether it is used in horizontal or vertical position when switched ON.

The laser instrument can stand alone on a level, sturdy surface or preferably secured to a 5/8-11 tripod.

When the instrument is powered ON it will automatically self-level and the bubble icon  will blink until instrument self-levels. After self-leveling, the laser instrument will begin operating.

**If the instrument is placed improperly, or the slope of instrument exceeds the range of  $\pm 5^\circ$ , the bubble icon  and the laser beam will blink at the same time, and instrument will beep.**

**The instrument will shut down automatically if the unit exceeds the self-leveling system range for more than 5 minutes.**

## Setup a Benchmark

During the work day, it is important to periodically check your initial set-up to ensure that the laser reference has not moved.

Establish, at a suitable distance (furthest possible), a benchmark or reference point on a stable surface such as a tree or building.

Periodically during the work day, check the benchmark to ensure that your setup has not moved.

## Smart H.I. System

The Smart H.I. System  **4h** is used to alert you that the instrument is disturbed during operation.

After instrument has self-leveled, press  **4h** to activate the Smart H.I. System and tilt sensor. When activated, “**TILT**” will appear at bottom of display.

If instrument is disturbed, laser beam will flash and stop rotating,  icon will blink on displays **5**, and an audible alarm will sound on instrument to indicate that the instrument has moved.

**IMPORTANT.** Check all reference marks and benchmarks before proceeding.

Press the  **4h** button to reset instrument. Reconfirm all reference marks and benchmarks. If you

determine that instrument has not shifted from its original position, return to your previous mode.

If instrument has shifted from its original position, re-establish your reference marks and benchmarks.

## Variable Rotation Speed

The Variable Rotation Speed Mode  **4c** button will give you the option of increasing or decreasing the speed of the rotating laser. Repeatedly pressing the keypad  **4c** will adjust the speed from 600, 300, 120, 60, and 0 RPM. The LCD display **5** will indicate the speed  **600**.

## Scanning or Sweeping

The Scanning Mode  **4g** creates a shorter, brighter laser “chalk line” that can be used for leveling or plumbing. This feature can also be used to keep the instrument from interfering with other lasers and detectors on site. Pressing the Scanning Mode  **4g** keypad, will lengthen or shorten the scan angle area of the laser beam from 0°, 10°, 45°, 90°, and 180°.

While in Scanning Mode, the position of the scanning area can be adjusted. Press the  Clock-Wise **4e** or  Counter-Clock-Wise Beam **4f** Positioning keypads to rotate and position the laser beam in the work area.

## X- Y- grade SETTING

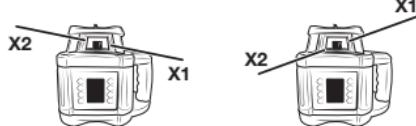
The Grade Setting Mode will allow you to enter X- and Y- axis grade values.

Press **G 4a** to enter Grade Setting Mode. The  icon will appear on display **5**. Both grade values will be displayed.

**X 00.00 %**  
**Y 00.00 %**

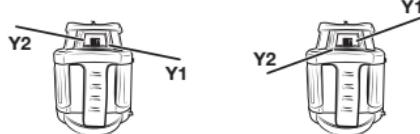
**Note:** The laser instrument will not enter Grade Setting Mode if the Tilt Sensor/Smart H.I. System  **4h** is activated. Once grade is set and instrument self-levels, the Smart H.I. System **4h** can be activated

When instrument enters Grade Setting Mode, **X 00.00%** appears. The X axis on display will blink. You may change the X axis grade value.



Use  or  (plus or minus) to set the desired digit for grade %.

Press Grade Axis Button  **4b** to select and change Y axis grade value.



Use  or  (plus or minus) to set the desired digit for grade %.

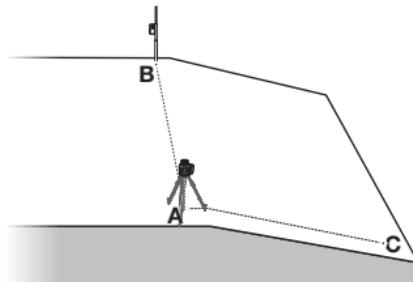
Press  **4b** Button again will confirm the X- and Y- grade values and laser instrument will self-level to the required grade position.

**Note:** The bubble icon  on display will flash until the laser has self-leveled to the grade position.



### Single Slope/ Grade Applications

For single grade applications, the slope or grade can be as much as a +10.00% or -10.00%.



1. Set up the instrument over the reference point **A**. Use the sighting guides on the top of the instrument to rotate and align Y-axis to the to point **B**. Secure instrument to tripod.  
2. Attach receiver to grade rod. Set the grade rod on the direction point **B** with the grade value 0% on both axis to check the elevation.

3. Set the grade value in reference to point **C** or X axis of the instrument to the desired digit.

Once you have confirmed the X- and Y- grade values the laser instrument self-levels to the required grade position and begin rotating.

**Note:** If desired, the instrument can be placed in Smart H.I. System Mode **4h** once instrument has self-leveled.



### Dual Slope/Grade - Adjusting Both Axis

For dual grade applications, the slope or grade can be as much as a +7.00% or -7.00% in both X and Y axis.

X+05.75 %  
Y-04.00 %

## Manual Mode

Manual mode disengages the self-leveling feature; allowing the instrument to be placed in any position (to grade).

**H.I. Smart System MUST be deactivated while in Manual Mode. Instrument will not warn user when out-of-level or disturbed.**

To activate the Manual Mode, first deactivate Smart H.I. System (if it is ON).

Press and hold the Power Button **④d** until the icon appears on display.

**Note:** The instrument should be level before activating Manual Mode.

To adjust the slope while in Manual Mode, press **4b** button. When instrument enters Slope Mode, X appears to adjust X-axis slope.

Use (plus) or (minus) to set the desired slope of X-axis.

Press **4b** button again to adjust the Y-axis slope.

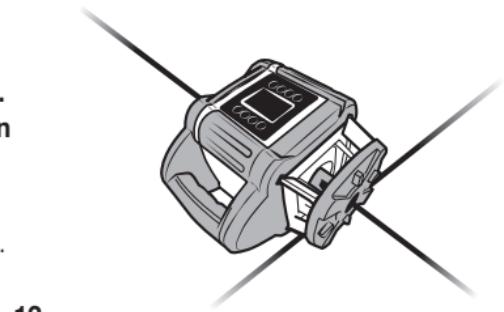
Use (plus) or (minus) to set the desired slope of Y-axis.

To resume automatic self-leveling mode, press the Power button **④d**.

## Vertical Laydown Positioning

Place the laser instrument in the laydown position on a tripod and mount using the built-in trivet with 5/8-11 thread **10**.

Press the Power Button **④d**. Allow the instrument to self-level.

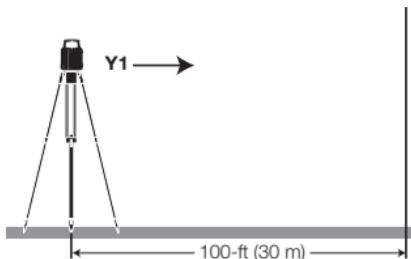


# ACCURACY CHECK

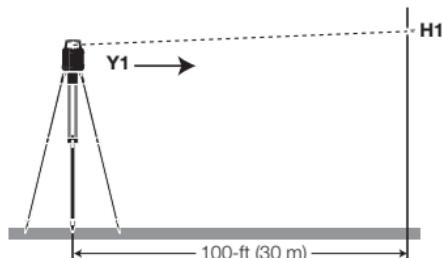
The ambient temperature has the greatest influence. Especially temperature differences occurring from the ground upward can divert the laser beam. The deviations play a role in excess of approx. 100-ft (30m) measuring distance and can easily reach two to four times the deviation at farther distance. Because the largest difference in temperature layers is close to the ground, the instrument should always be mounted on a tripod when measuring distances exceeding 100-ft (30m). If possible, also set up the instrument in the center of the work area.

## Checking the Leveling Accuracy in Horizontal Position

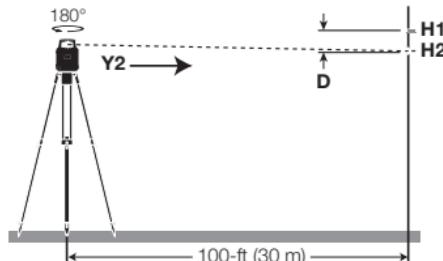
Place the laser instrument at the point of 100 ft (30m) from a wall or set a scale plate, and then adjust the level of the base approximately to aim the **Y1** axis towards the wall (or scale plate).



Allow the laser instrument to self level and begin rotating. Set the grade to 0.000% in both axes. Using a detector, mark the beam position of **Y1** axis on the wall or scale plate as **H1**. For increased precision, use the fine-sensitivity setting on the receiver.



Rotate the laser 180° (**Y2** axis toward the wall). Allow the unit to re-level and rotate. Mark the beam position on the wall or scale plate as **H2**.



The distance between **H1** and **H2** should be less than 3/16-in (4.8 mm).

Repeat the same process to check your X-axis beam. Again, the distance

between **H1** and **H2** should be less than 3/16-in (4.8 mm).

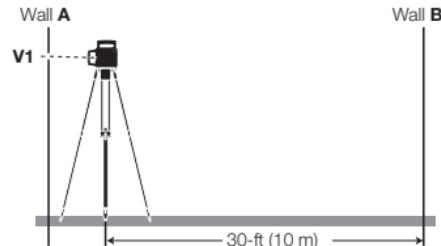
If the difference in either axis is more than 3/16-in (4.8 mm), the laser should be sent to your authorized dealer for service and calibration.

## Checking the Leveling Accuracy in Vertical Position

Place the laser instrument at the point of 30 ft (10m) from a wall.

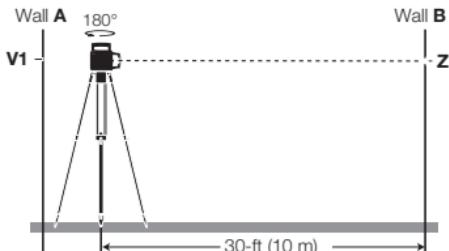
First lay down the instrument. Mount the instrument on tripod between two walls (or targets) approx. 30-ft (10m) apart. Place instrument approx. 1.5ft (0.5m) from Wall **A** (or target). Power the instrument on.

After leveling, direct the laser beam onto the close Wall **A**. Mark the center point **V1** of the laser beam on the wall.



Rotate the instrument horizontally 180° (without changing the height). After laser instrument levels, direct the laser beam onto Wall **B**. Mark the center point **Z** of the laser beam on

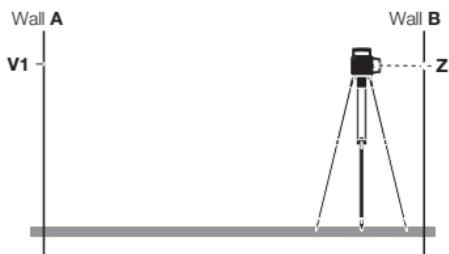
the opposite Wall **B**.



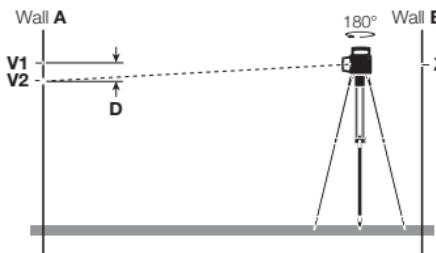
Without turning the instrument.

Position laser instrument close to Wall **B** by moving the tripod. Switch on the instrument and let it level.

After leveling, align the height of the instrument by using tripod (or by underlayment), so that the center point of the laser beam is projected exactly at the point **Z**.



Rotate the instrument 180° without changing the height. Allow it to level, and mark the center point **V2** of the laser beam on wall A. Be sure that point **V2** is as vertical aligned as possible to point **V1**.



Measure the distance between points **V1** and **V2**. The deviation of the plumb up beam should be less than 3/32-in (2 mm).

If the deviation is more than 3/32-in (2 mm), the laser should be sent to your authorized dealer for service and calibration.

## RD 202 DETECTOR AT A GLANCE

### Intended Use

The detector aids in locating and targeting a visible or invisible beam emitted by a rotary laser instrument; perfect for use in outdoor conditions, where sunlight and distance may make locating the beam more difficult.

The laser detector includes a rod clamp which allows to mount the detector onto square, round or oval sighting rods.

### Inserting/Replacing the Battery

9V alkaline battery is recommended for the tool.

When the batteries are low, the battery low indicator will display.

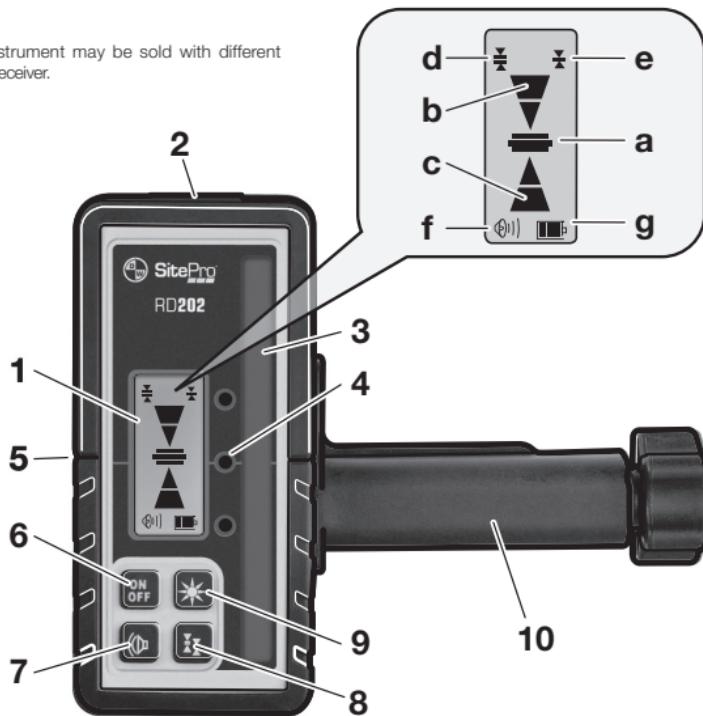
Pull the latch of battery lid outward and open the battery lid.

Remove the battery when not using it for extended periods. When storing for extended periods, the battery can corrode and discharge.

## RD 202 Detector Features

The numbering of the product features shown refers to the illustration of the tool on next page.

\*This laser instrument may be sold with different model/type of receiver.



- |           |                                     |           |                             |
|-----------|-------------------------------------|-----------|-----------------------------|
| <b>1</b>  | LCD Display (front and back)        | <b>2</b>  | Heavy Duty Magnets          |
| <b>1a</b> | Center "Level" Indicator            | <b>3</b>  | Laser Capture Window        |
| <b>1b</b> | Direction Indicator "Move Downward" | <b>4</b>  | Position LED Indicators     |
| <b>1c</b> | Direction Indicator "Move Upward"   | <b>5</b>  | Reference Mark              |
| <b>1d</b> | "Coarse" Adjustment Indicator       | <b>6</b>  | Power On/Off                |
| <b>1e</b> | "Fine" Adjustment Indicator         | <b>7</b>  | Audible Keypad              |
| <b>1f</b> | Audio Signal Indicator              | <b>8</b>  | Accuracy Sensitivity Keypad |
| <b>1g</b> | Battery Level Indicator             | <b>9</b>  | Backlight On/Off Keypad     |
|           |                                     | <b>10</b> | Rod Bracket                 |

# MAINTENANCE AND SERVICE

**Store and transport the tool only in the supplied protective case.**

**Keep the tool clean at all times.**

**Do not immerse the tool into water or other fluids.**

**Wipe off debris using a moist and soft cloth.** Do not use any cleaning agents or solvents.

**Regularly clean the surfaces at the exit opening of the laser in particular, and pay attention to any fluff of fibers.**

If the tool should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an authorized after-sales service center for Dave White's SitePro instruments.

In all correspondence and spare parts orders, please always include the

model number and serial number of the instruments.

**All precision instruments should be cleaned, lubricated, checked and adjusted ONLY at a qualified instrument repair station or by the manufacturer, at least once a year.**

**In case of repairs, send in the instrument packed in its protective case.**

## ENVIRONMENT PROTECTION



Recycle raw materials & batteries instead of disposing of waste. The unit, accessories, packaging & used batteries should be sorted for environmentally friendly recycling in accordance with the latest regulations.

# TECHNICAL DATA

RL 322GR	
<b>Leveling</b>	
Horizontal Accuracy	±3/32-in at 100-ft (±2.4mm at 30m)
Vertical Accuracy	±1/8-in at 100-ft (±3mm at 30m)
Leveling Type	Electronic servo self-leveling (±5°)
<b>Slope/Grade</b>	Dial-in
Dual Grade	-7.00% to +7.00%
Single Grade	-10.00% to +10.00%
<b>Working Range</b> (dia.)	
With Detector (up to)	2400-ft (730m)
<b>Beam Rating</b>	635-650 nm, Class 2
<b>Sweep/Scanning</b>	0°, 10°, 45°, 90°, 180°
<b>Rotation Speed</b>	0, 60, 120, 300, 600 RPM
<b>Power Supply</b>	DC 4.8-6V NiMh rechargeable battery pack (approx. 20hr of continuous use), or four (4) C-cell alkaline batteries
<b>Environment</b>	IP 65 Waterproof
Operating Temp.	23° F to 122° F (- 5° C to +50° C )
<b>Dimension</b>	8.5 x 8.5 x 8.2-in (215 x 215 x 207 mm)
<b>Weight</b> (instrument)	5.3 lb (2.42kg)

<sup>1</sup> Hours are approx. and based on continuous use.

Specifications are subject to change without notification.

## RC 22G Remote

<b>Operating Range</b>	up to 200 ft (60 m)
<b>Power Supply</b>	2 x 1.5V AA alkaline batteries
<b>Environment</b>	IP 55
<b>Weight</b> (instrument)	0.4 lb (0.26 kg)

## RD 202 Receiver

<b>Detecting Range:</b>	up to 1350 ft (400m)
<b>Accuracy:</b>	Fine: $\pm 0.06\text{in}/130\text{ft}$ ( $\pm 1.5\text{mm}/40\text{m}$ ) Coarse: $\pm 0.1\text{in}/130\text{ft}$ ( $\pm 2.5\text{mm}/40\text{m}$ )
Detecting sensor range:	4.9-in (125mm)
LCD Display	Front and Back
Audio Indicator	Low / High / Off
LED Indicator	On-Grade Indicator
Power Supply	9 V
Automatic switch off:	approx. 8 min of no activity
Working temperature:	- 4° F to 122° F (- 20° C to +50° C )
Dimension:	6.5 x 3 x 1.4-in (165 x 76 x 35 mm)
Wgt (with battery):	0.82 lb (373g)

# GENERAL SAFETY RULES



**WARNING** Read all instructions. Failure to follow all instructions listed

below may result in hazardous radiation exposure, electric shock, fire and/or serious injury.

All labels on your laser are for your safety and must not be removed. Removing labels increases the risk of exposure to laser radiation. Do not throw this manual away.



**RL 322GR**

Dave White's SitePro, LLC | Lafayette, Indiana | [www.davewhitepro.com](http://www.davewhitepro.com)



Made in China

**IEC 60825-1:2007-03  
≤ 1 mW @ 630-650 nm**



Laser radiation. Do not aim into the beam or view direct with optical instruments. **Class 3A** laser product. Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice 53, June 6, 2007.  
Radiación láser. No mire directamente al haz ni con instrumentos ópticos. **Clase 3A** producto láser. Se ajusta a la norma 21 CFR 1040.10 y 1040.11, excepto por las desviaciones conforme a la Notificación 53, 6 de junio de 2007.  
Rayonnement laser. Ne pas regarder le rayon, ni pas regarder avec instruments optiques. **Produit à classe 3A.** Conforme à la 21 CFR 1040.10 et 1040.11, sauf pour les écarts suivant l'avis laser 53, 04/02/2007.

**If glass light house breaks when dropped, contact customer service immediately.** Broken glass can cause laceration hazard and unit to lose its IP rating.



**DO NOT direct the laser beam at persons or animals and do not stare into the laser**

**beam yourself.** This tool produces laser class 2 laser radiation and complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007. This can lead to persons being blinded.

**DO NOT remove or deface any warning or caution labels.**

Removing labels increases the risk of exposure to laser radiation.

**Use of controls or adjustments or performance of procedures other than those specified in this manual, may result in hazardous radiation exposure.**

**ALWAYS make sure that any bystanders in the vicinity of use are made aware of the dangers of looking directly into the laser tool.**

**DO NOT place the laser tool in a position that may cause anyone to stare into the laser beam intentionally or unintentionally.** Serious eye injury could result.

**ALWAYS position the laser tool**

**securely.** Damage to the laser tool and/or serious injury to the user could result if the laser tool falls.

**ALWAYS use only the accessories that are recommended by the manufacturer of your laser tool.**

Use of accessories that have been designed for use with other laser tools could result in serious injury or unsatisfactory performance.

**DO NOT use this laser tool for any purpose other than those outlined in this manual.** This could result in serious injury or unsatisfactory performance.

**DO NOT leave the laser tool “ON” unattended in any operating mode.**

**DO NOT disassemble the laser tool.**

There are no user serviceable parts inside. Do not modify the product in any way. Modifying the laser tool may result in hazardous laser radiation exposure.

## **Work area safety**

**Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**DO NOT operate the laser tool around children or allow children to operate the laser tool.** Serious eye injury could result.

**DO NOT use instruments, attachments and accessories outdoors when lightening conditions are present.**

## **Electrical safety**

**Batteries can explode or leak, cause injury or fire.** To reduce this risk, always follow all instructions and warnings on the battery label and package.

**Remove the batteries from the tool when not using it for extended periods.** When storing for extended periods, the batteries can corrode and discharge themselves.

**DO NOT short any battery terminals.**

**DO NOT charge alkaline batteries.**

**DO NOT mix old and new batteries.**

**Replace all old batteries at the same time with new batteries of the same brand and type.**

**DO NOT mix battery chemistries.**

**Dispose of or recycle batteries per local code.**

**DO NOT dispose of batteries in fire.** Keep batteries out of reach of children.

## **Personal safety**

**Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating a tool may result in serious personal injury or incorrect measurement results.

**Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**DO NOT use the laser viewing glasses as safety goggles.** The laser viewing glasses are used for improved visualization of the laser beam, but they do not protect against laser radiation.

**DO NOT use the laser viewing glasses as sun glasses or in traffic.** The laser viewing glasses do not afford complete UV protection and reduce color perception.

**DO NOT use any optical tools such as, but not limited to, telescopes or transits to view the laser beam.** Serious eye injury could result.

**DO NOT stare directly at the laser beam or project the laser beam directly into the eyes of others.** Serious eye injury could result.

**Use caution when using instruments in the vicinity of electrical hazards.**

## Magnets



**Keep the tool and laser target away from cardiac pacemakers.**

The magnets of the tool and laser target plate generate a field that can impair the function of cardiac pacemakers.

**Keep the tool and laser target away from magnetic data medium and magnetically-sensitive equipment.**

The effect of the magnets of the tool and laser target plate can lead to irreversible data loss.

## Use and care

**Use the correct tool for your application.** The correct tool will do the job better and safer.

**Do not use the tool if the switch does not turn it on and off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

**Store idle tool out of the reach of children and do not allow persons unfamiliar with the tool or these instructions to operate the tool.**

Tools are dangerous in the hands of untrained users.

**Maintain tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the operation.** If damaged, repair tool before use. Many accidents are caused by poorly maintained tools.

**Use the tool, accessories, etc., in accordance with these instructions and in the manner intended for the particular type of tool, taking into account the working conditions and the work to be performed.** Use of the tool for operations different from those intended could result in a hazardous situation.

**SAVE THESE INSTRUCTIONS.**

# LIMITED WARRANTY

Dave White's SitePro ("Seller") warrants to the original purchaser only, that RL 322GR rotary laser tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase.

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must return the complete laser, optical instrument or SitePro product, transportation prepaid, to SITEPRO Service Department or Authorized Service Center. Please include a dated proof of purchase with your tool. For locations of nearby service centers, please call 1-855-354-9881.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS SUCH AS TRIPODS, RODS, HAND LEVELS, FIELD SUPPLIES, TAPES, MOUNTING DEVICES AND OTHER RELATED ITEMS. THESE ITEMS RECEIVE A 90 DAY LIMITED WARRANTY.

To make a claim under this Limited Warranty, you must return the complete product, transportation prepaid. For details to make a claim under this Limited Warranty please visit [www.dwsitepro.com](http://www.dwsitepro.com) or call 1-855-354-9881.

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