With David White your sights are set on precision and accuracy.

Congratulations! You’ve purchased a David White builder/contractor instrument, known throughout the world for precision and accuracy. The purpose of this user’s guide is to acquaint you with the instrument, its components, safety, proper care and handling.

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

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.

David White is not responsible for errors caused by instruments that are out of adjustment.

Contact your distributor, dealer or David White for information on the nearest facility to check if your instrument is properly adjusted.

All specifications are subject to change without notice.
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.

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 detector away from **cardiac pacemakers**. The magnets of the tool and laser detector generate a field that can impair the function of cardiac pacemakers.

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

The effect of the magnets of the tool and laser detector 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.**

**INTENDED USE**

The instrument is intended for determining and checking horizontal and vertical lines, as well as 90-degree layout and alignment. The instrument is suitable for indoor and may be used outdoors with optional receiver.
FEATURES

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

1. Operating mode keypad
   1a. On/Off button and Operating Mode button
   1b. “Pulse” Mode button, for use with line laser receiver
   1c. “Pulse” mode indicator
   1d. Manual/Lock indicator
   1e. Low battery level indicator

2. Exit opening for laser beam - produces 360-degree horizontal laser line
3. Exit opening for laser beam - produces 360-degree vertical laser line from the side
4. Exit opening for laser beam - produces 360-degree vertical laser line from the front
5. Battery compartment/lid
6. Switch for automatic leveling/locking the unit

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Description</th>
<th>LL360P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy:</td>
<td>1/4-in at 100-ft (3mm at 15m)</td>
</tr>
<tr>
<td>Range:</td>
<td>65-ft (20m)</td>
</tr>
<tr>
<td>Range with Detector (Optional):</td>
<td>165-ft (50m)</td>
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<tr>
<td>Leveling Type:</td>
<td>Electronic (±2.5º)</td>
</tr>
<tr>
<td>Beam Rating:</td>
<td>Class 2M, 635nm</td>
</tr>
<tr>
<td>Operating Temperature:</td>
<td>14º F to 122º F (-10º C to 50º C)</td>
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</tbody>
</table>
### PREPARATIONS

**Inserting/Replacing Batteries**

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

**WARNING** 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.

To open the battery compartment 5, press on the latch and fold the battery lid upward.

Insert the batteries. When inserting, pay attention to the correct polarity according to the “+” and “-” icons inside of the battery compartment.

Use either alkaline batteries or Ni-Mh batteries. When inserting alkaline batteries, pay attention to the correct polarity according to the representation on the inside of the battery compartment. Always replace all batteries at the same time. Only use batteries from one brand and with the identical capacity.

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.

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<table>
<thead>
<tr>
<th>Description</th>
<th>LL360P</th>
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</thead>
<tbody>
<tr>
<td>Storage Temperature:</td>
<td>-4°F to 140°F (-20°C to 60°C)</td>
</tr>
<tr>
<td>Power Supply:</td>
<td>Three (3) AA cell alkaline provide approx. 5 hours on continuous work</td>
</tr>
<tr>
<td>Water/Dust Protection</td>
<td>IP54</td>
</tr>
<tr>
<td>Net Weight:</td>
<td>2.9lb (1.3kg)</td>
</tr>
</tbody>
</table>
OPERATION

**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.

This laser tool is a precision instrument and should be treated with care.

When not in use, the pendulum 6 should always be in the OFF position. Locking the pendulum 6 allows the laser to better withstand vibration and trauma incurred during transportation or if the unit is dropped.

Switching On and Off

To switch on the tool, slide the On/Off switch 6 to the (position (when working without automatic leveling) or to the **ON** position (when working with automatic leveling).

Immediately after switching on, the tool sends laser beams out of the exit openings.

**Operating Modes**

The tool has total of three operation modes that can be switched through in sequence:

- **Horizontal Layout Operation:**
  Produces a 360-degree horizontal laser plane

- **Vertical Layout Operation:**
  Produces a two vertical laser planes at a 90° angle

- **3-Plane Layout Operation:**
  Produces a horizontal laser line in the front.

After switching on, the tool is in horizontal layout operating mode with self-leveling. To change the operating mode, press the operating mode button **1a** as often as required until the requested operating mode is set.

All operating modes can be selected both with and without automatic leveling.
Pulse Mode

The Pulse (Receiver) Mode allows the laser tool to be used with the optional line laser receiver. To activate this mode, press the Pulse Mode button 1b. The Pulse Mode indicator 1c will light up green.

When not using the tool, switch it off in order to extend battery life.

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.
LIMITED WARRANTY

Dave White’s SitePro (“Seller”) warrants to the original purchaser only, that all David White laser tools and optical instruments 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 David White 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.davidwhite.com or call 1-855-354-9881.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE. SOME STATES IN THE U.S., AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S., AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., OR PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO PRODUCTS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT YOUR LOCAL SITEPRO DEALER OR IMPORTER.

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