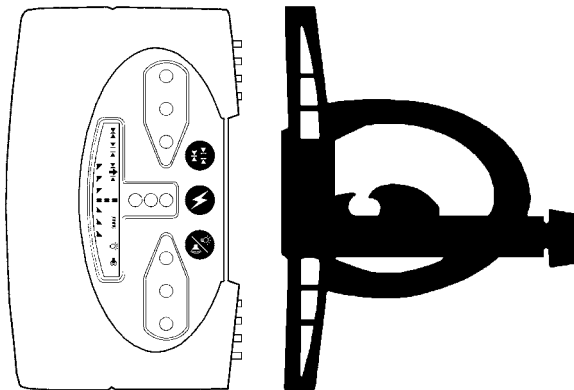


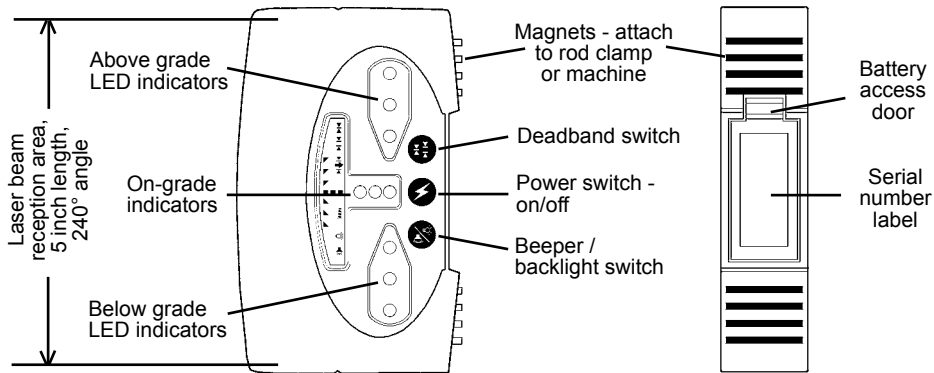
HAWKEYE[®]

Universal Laser Receiver

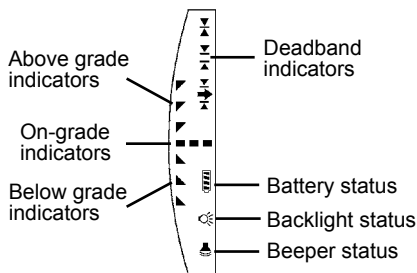
Operating Instructions



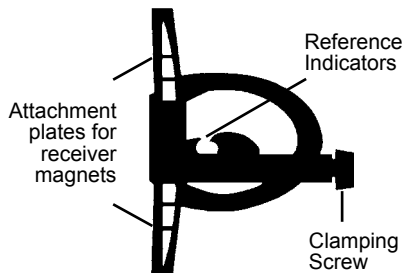
Apache
Technologies



Liquid Crystal Display (LCD)



Grade Rod Clamp



HAWKEYE

Universal Laser Receiver

The HAWKEYE receiver is designed to be used with all rotating lasers.

The receiver includes built-in magnets to mount on various grading and excavating machinery. A clamp is also included to be used on grade rods for general purpose grade checking and elevation control.

Machine Mode:

Position the bucket or blade to the desired elevation (benchmark). When using on an excavator or backhoe, the dipperstick should be vertical and the bucket "curled" or extended to a position that can be easily duplicated each time a reading is taken. Separate the clamp from the receiver, turn the receiver on, and select the appropriate machine mode deadband. Mount the receiver so it receives an "on-grade" reading from the laser.

Grade Rod Mode:

When using on a grade rod, ensure the clamp is seated properly to the receiver and the on-grade arrows on the clamp and receiver align. Secure the clamp on the rod and follow the directions that were supplied with the laser.



Press the power switch to turn the receiver on. Press and hold for 2 seconds to turn the power off.



Deadband (accuracy) selection. Pressing cycles through the selections.



1.0 inch. Machine mode - Wide, LED's on.



0.4 inch. Machine mode - Medium, LED's on.



0.2 inch. Grade rod mode - Fine, LED's off.



Beeper / LCD Backlighting selection. No horn symbol is beeper off.



Press once for beeper loud.



Press again for beeper low. Press again to turn off.



Press and hold for 2 seconds to turn backlight on. Press and hold for 2 seconds to turn off.



8261 State Route 235
Dayton, OH 45424 USA
Phone (937) 482-0200
Fax: (937) 482-0030
www.apache-laser.com

SPECIFICATIONS

Horizontal acceptance range:	240 degrees
Vertical acceptance range:	5.0 inches (12 cm)
On grade deadbands:	
Grade Rod Mode:	3/16 in. 0.2 inches (5 mm)
Machine Mode - Fine:	3/8 in. 0.4 inches (10 mm)
Machine Mode - Wide:	1 in. 1.0 inches (25 mm)
Battery:	2 x "AA"
Battery life:	160 Hours
Auto shut-off:	30 Minutes
Operating temperature:	-4F to +120F (-20C to +50C)
Environmental	Waterproof

WARRANTY

This product is warranted to be free of defects in material and workmanship for a period of two years. Please return the included warranty card as this will expedite any warranty service that may be required. Please retain your warranty information and proof of purchase. If a warranty card is not on file, proof of purchase must accompany your request for warranty repair.

Any evidence of abuse, misuse, alteration, accident or negligent use or an attempt to repair products by unauthorized personnel or with parts other than those provided by Apache Technologies automatically voids the warranty.

Apache Technologies liability under this warranty is limited to repairing or replacing any product returned to an authorized service center for that purpose. The foregoing states the entire liability of Apache Technologies regarding the purchase and use of its product and they shall not be held responsible for any consequential loss or damage of any kind.

This warranty is in lieu of all other warranties, expressed or implied, and constitutes all of Apache Technologies liability with respect to merchandise sold by it.

Notice to Our European Union Customers

For product recycling instructions and more information, please go to: www.trimble.com/environment/summary.html

Recycling in Europe

To recycle Trimble WEEE, call: +31 497 53 2430, and ask for the "WEEE associate," or mail a request for recycling instructions to:

Trimble Europe BV
c/o Menlo Worldwide Logistics
Meerheide 45
5521 DZ Eersel, NL

