

DEWALT®

www.DEWALT.eu

DW089

Figure 1

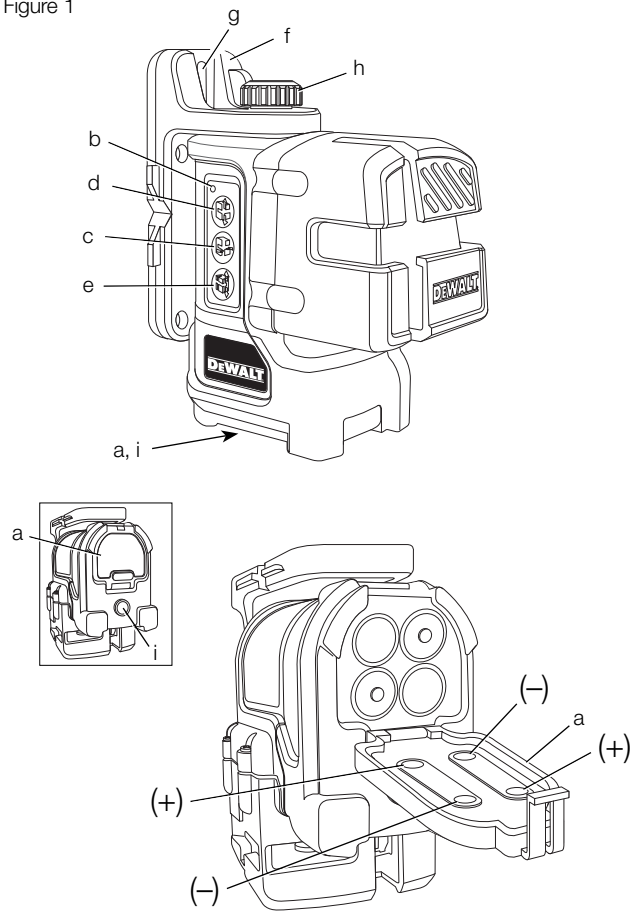


Figure 2

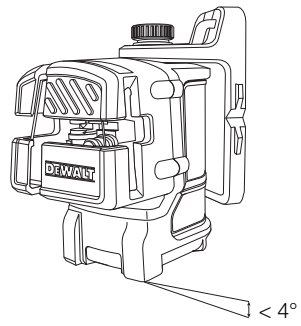


Figure 3

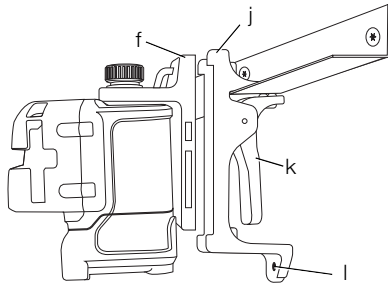


Figure 4

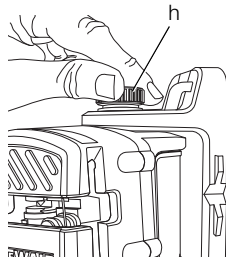


Figure 5

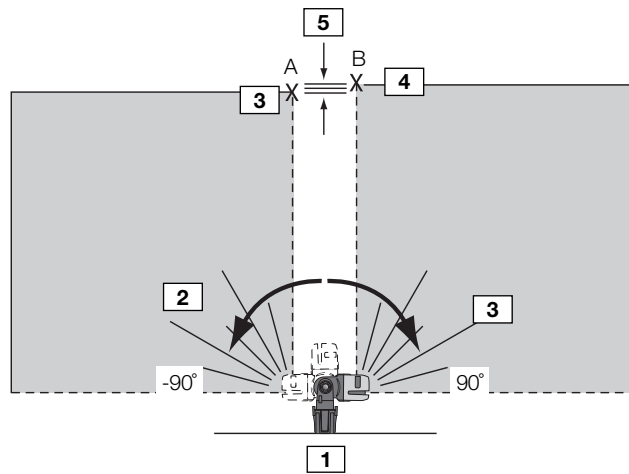


Figure 6

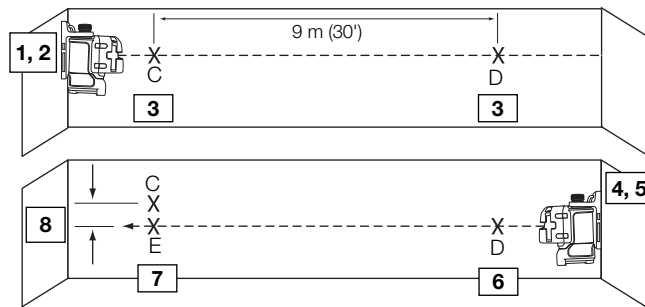


Figure 7A

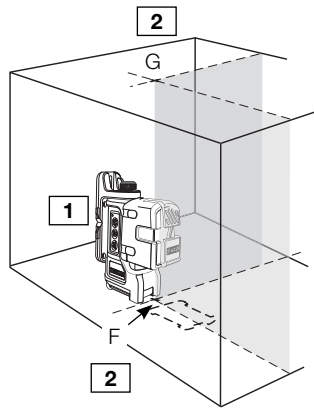


Figure 7B

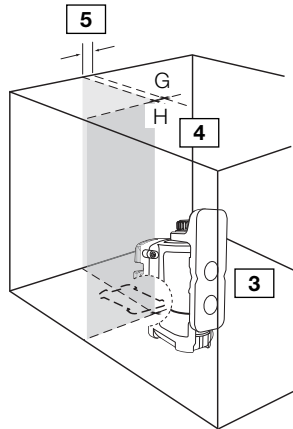


Figure 8A

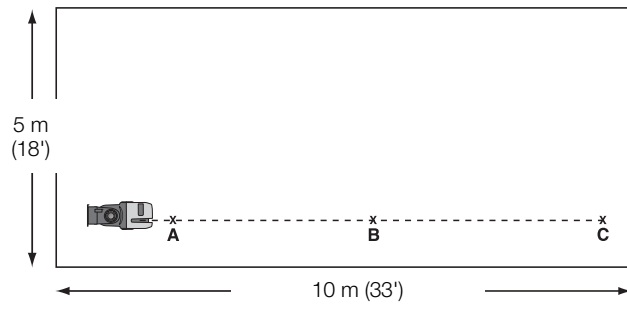


Figure 8B

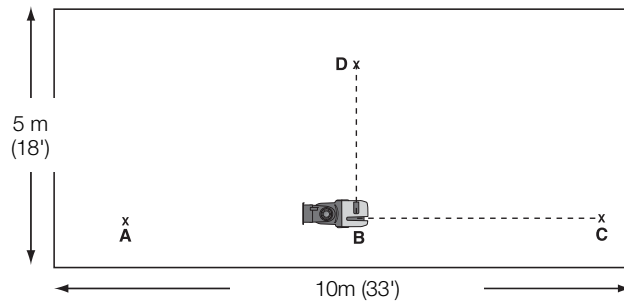


Figure 8C

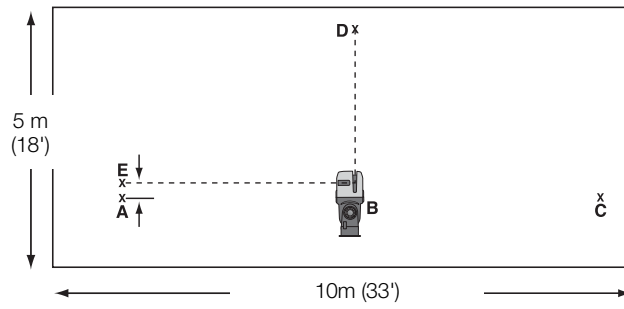


Figure 9

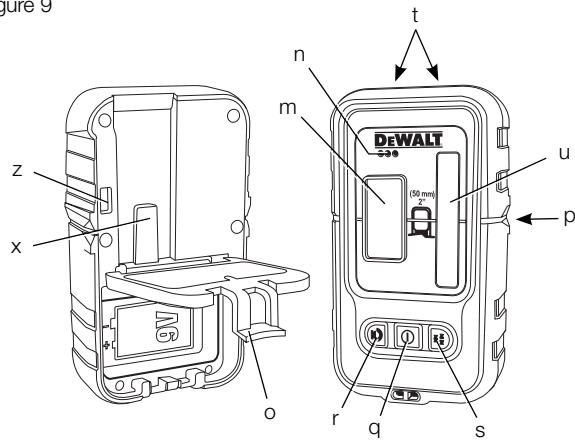
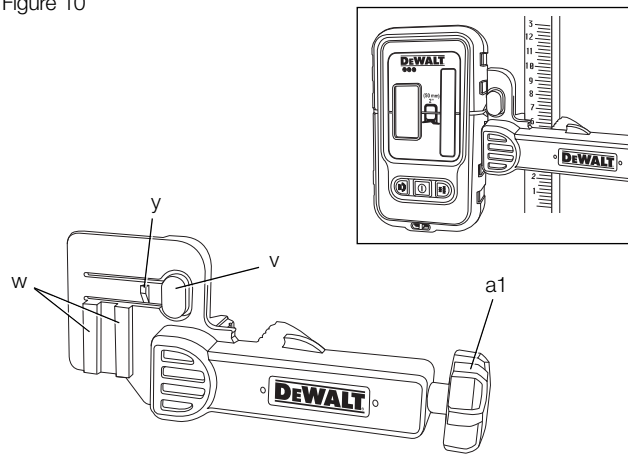


Figure 10



CROSSLINE LASER DW089

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DW089
Voltage	V	6.0
Type		1
Battery size		4 x LR6 (AA)
Laser power	mW	< 1.5
Laser class		2
Wavelength	nm	637
Protection class		IP54
Self-leveling range	°	+/- 4
Operating temperature	°C	-10 to +45
Receptacle thread		1/4" x 20 TPI
Weight	kg	0.9

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

ENGLISH

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may result in property damage**.



Denotes risk of electric shock.



Denotes risk of fire.

Safety Instructions for Lasers



WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

- **Do not operate the laser in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Use the laser only with the specifically designated batteries.** Use of any other batteries may create a risk of fire.
- **Store idle laser out of reach of children and other untrained persons.** Lasers are dangerous in the hands of untrained users.
- **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one laser, may create a risk of injury when used on another laser.
- **Tool service MUST be performed only by qualified repair personnel. Repairs, service or maintenance performed by unqualified personnel may result in injury.** For the location of your nearest authorised DEWALT repair agent, refer to the list of authorised DEWALT repair agents on back of this manual or visit www.2helpU.com on the Internet.
- **Do not use optical tools such as a telescope or transit to view the laser beam.** Serious eye injury could result.
- **Do not place the laser in a position which may cause anyone to intentionally or unintentionally stare into the laser beam.** Serious eye injury could result.

- **Do not position the laser near a reflective surface which may reflect the laser beam toward anyone's eyes.** Serious eye injury could result.
- **Turn the laser off when it is not in use.** Leaving the laser on increases the risk of staring into the laser beam.
- **Do not remove or deface warning labels.** If labels are removed user or others may inadvertently expose themselves to radiation.
- **Position the laser securely on a level surface.** Damage to the laser or serious injury could result if the laser falls.



WARNING: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



WARNING: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



WARNING: DO NOT DISASSEMBLE THE LASER. There are no user serviceable parts inside. Disassembling the laser will void all warranties on the product. Do not modify the product in any way. Modifying the tool may result in hazardous laser radiation exposure.



WARNING: Fire hazard! Avoid short-circuiting the contacts of a removed battery.

Additional Safety Instructions for Lasers

- This laser complies with class 2 according to EN 60825-1:2007. Do not replace a laser diode with a different type. If damaged, have the laser repaired by an authorised repair agent.
- Do not use the laser for any purpose other than projecting laser lines.

An exposure of the eye to the beam of a class 2 laser is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will normally provide adequate protection. At distances over 1 m, the laser complies with class 1 and thus is considered completely safe.

ENGLISH

- *Never look into the laser beam directly and intentionally.*
- *Do not use optical tools to view the laser beam.*
- *Do not set up the tool at a position where the laser beam can cross any person at head height.*
- *Do not let children come in contact with the laser.*

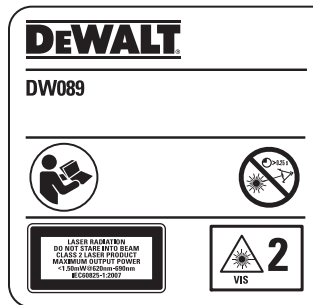
Residual Risks

The following risks are inherent to the use of this device:

- *injuries caused by staring into laser beam.*

Markings on Tool

The following pictographs are shown on the tool:



Read the instruction manual before use.



Laser warning.



Do not stare into the laser beam.

DATE CODE POSITION

The date code, which also includes the year of manufacture, is printed on the inside of the battery compartment.

Example:

2011 XX XX

Year of Manufacture

Important Safety Instructions for Batteries



WARNING: Batteries can explode, or leak, and can cause injury or fire. To reduce this risk:

- Carefully follow all instructions and warnings on the battery label and package.
- Always insert batteries correctly with regard to polarity (+ and -), marked on the battery and the equipment.
- Do not short battery terminals.
- Do not charge batteries.
- Do not mix old and new batteries. Replace all of them at the same time with new batteries of the same brand and type.
- Remove dead batteries immediately and dispose of per local codes.
- Do not dispose of batteries in fire.
- Keep batteries out of reach of children.
- Remove batteries if the device will not be used for several months.

Package Contents

The package contains:

- 1 Crossline laser
- 1 Wall mount
- 4 LR6 (AA-size) batteries
- 1 Detector (DW089KD)

ENGLISH

- 1 Clamp (DW089KD)
- 1 9 V battery (DW089KD)
- 1 Kitbox
- 1 Instruction manual

- *Take the time to thoroughly read and understand this manual prior to operation.*

ASSEMBLY AND ADJUSTMENT



WARNING! Do not place the laser in a position which may cause anyone to intentionally or unintentionally stare into the laser beam. Serious eye injury may result from staring at the beam.

Unpacking

FITTING THE WARNING LABEL

The safety warnings on the label shown on the laser must be formulated in the language of the user.

For that purpose, a separate sheet of self-adhesive labels has been supplied with the tool.



WARNING: Check that the safety warnings on the label have been formulated in your language.

The warnings should read as follows:

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

- If the warnings are in a foreign language, proceed as follows:
 - Remove the required label from the sheet.
 - Carefully place the label over the existing label.
 - Press the label in place.

Batteries (fig. 1)

BATTERY TYPE

This laser operates on four LR6 (AA-size) batteries.

TO INSTALL BATTERIES

1. Lift up the battery compartment cover (a) as shown in figure 1.
2. Insert four fresh LR6 (AA-size) batteries in the compartment, placing the batteries according to (+) and (-) on the inside of the battery door.



WARNING: When replacing batteries, always replace the complete set. Do not mix old batteries with new ones. Preferably use alkaline batteries.

Operating Tips

- Use only new, high-quality, name brand batteries for best results.
- Ensure batteries are in good working condition. If the low battery red indicator light is flashing, the batteries need replacement.
- To extend battery life, turn laser off when not working with or marking the beam.
- To ensure the accuracy of your work, check often to make sure your laser is calibrated. See **Field Calibration Check**.
- Before attempting to use the laser, make sure it is positioned securely, on a smooth, flat surface.
- Always mark the centre of the beam created by the laser.
- Extreme temperature changes may cause movement of internal parts that can affect accuracy. Check your accuracy often while working. See **Field Calibration Check**.
- If the laser has been dropped, check to make sure your laser is still calibrated. See **Field Calibration Check**.

LOW BATTERY INDICATION (FIG. 1)

The DW089 laser is equipped with a red indicator light (b), as shown in figure 1. The red indicator light is located to the left of the on/off buttons (c, d, e).

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A flashing red indicator light indicates that the batteries are low and need to be replaced. The laser may continue to operate for a short time while the batteries continue to drain, but the beam(s) will quickly dim. After fresh batteries are installed and the laser is turned on again, the laser beam(s) will return to full brightness and the red indicator light will stay off. (A flashing laser beam is not caused by low batteries; see **Out of Tilt Range Indicator**.)

Description (fig. 1)



WARNING: Never modify the power tool or any part of it. Damage or personal injury could result.

- a. Battery compartment cover
- b. Red indicator light
- c. ON/OFF button, horizontal laser line
- d. ON/OFF button, vertical laser line
- e. ON/OFF button, side vertical laser line
- f. Magnetic pivot bracket
- g. Keyhole slot
- h. Fine adjustment knob
- i. 1/4" x 20 female thread

INTENDED USE

The crossline laser DW089 has been designed to project laser lines to aid in professional applications. The tool can be used for horizontal (level), vertical (plumb) and square alignment. The applications range from layout of walls and windows to installation of framing track.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

The crossline laser is a professional tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

OPERATION

To Turn the Laser On and Off (fig. 1)

With the laser off, place it on a flat surface. This model has three ON/OFF buttons, one for a horizontal laser line (c), one for a vertical laser line (d) and one for a side vertical laser line (e). Each laser line is powered on by pressing its ON/OFF button. The laser lines can be powered one at a time or at the same time. Pressing the ON/OFF buttons again turns the laser lines off.

Using the Laser

The beams are level or plumb as long as the calibration has been checked (see **Field Calibration Check**) and the laser beam is not flashing (see **Out of Tilt Range Indicator**).

OUT OF TILT RANGE INDICATOR (FIG. 2)

The DW089 laser is designed to self-level. If the laser has been tilted so much that it cannot level itself (average $> 4^\circ$ tilt), it will flash the laser beam. The flashing beam indicates the tilt range has been exceeded and IS NOT LEVEL (OR PLUMB) AND SHOULD NOT BE USED FOR DETERMINING OR MARKING LEVEL (OR PLUMB). Try repositioning the laser on a more level surface.

SLOPING THE LASER

If the DW089 laser is tilted beyond 15° out of level, its laser beams will stay on longer between flashes to make it easier to do angled work.

USING THE PIVOT BRACKET (FIG. 1)

The DW089 laser has a magnetic pivot bracket (f) permanently attached to the unit. This bracket allows the unit to be mounted to any upright surface made of steel or iron. Common examples of suitable surfaces include steel framing studs, steel door frames and structural steel beams. The bracket also has a keyhole slot (g) allowing the unit to be hung from a nail or screw on any kind of surface.



WARNING: Position the laser and/or wall mount on a stable surface. Serious personal injury or damage to the laser may result if the laser falls.

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USING THE LASER WITH THE WALL MOUNT (FIG. 3)

The laser wall mount (j) offers more mounting options for the DW089 laser. The wall mount has a clamp (k) at one end which can be fixed to a wall angle for acoustic ceiling installation. At each end of the wall mount is a screw hole (l), allowing the wall mount to be attached to any surface with a nail or screw.

Once the wall mount is secured, its steel plate provides a surface to which the magnetic pivot bracket (f) can be attached. The position of the laser can then be fine-tuned by sliding the pivot bracket up or down on the wall mount.

ALIGNING THE VERTICAL BEAM – FINE ADJUST (FIG. 4)

The fine adjustment knob (h) on the top of the DW089 is for lining up the vertical beams. Place the DW089 on a flat surface and turn the knob to the right to move the beam to the right or to the left to move the beam to the left.

Rotating the fine adjustment knob adjusts the entire internal mechanism, maintaining the 90° angle between the two vertical beams.

LEVELING THE LASER

As long as the DW089 laser is properly calibrated, the laser is self-leveling. Each laser is calibrated at the factory to find level as long as it is positioned on a flat surface within average $\pm 4^\circ$ of level. No manual adjustments are required.

MAINTENANCE

- To maintain the accuracy of your work, check the laser often to make sure it is properly calibrated. See **Field Calibration Check**.
- Calibration checks and other maintenance repairs may be performed by DEWALT service centres.
- When not in use, store the laser in the kit box provided. Do not store your laser at temperatures below -20°C (-5°F) or above 60°C (140°F).
- Do not store your laser in the kit box if the laser is wet. The laser should be dried first with a soft dry cloth.

NOTE: Disassembling the laser level will void all warranties on the product.

Cleaning

Exterior plastic parts may be cleaned with a damp cloth. Although these parts are solvent resistant, NEVER use solvents. Use a soft, dry cloth to remove moisture from the tool before storage.

Field Calibration Check

CHECKING ACCURACY – HORIZONTAL BEAM, SCAN DIRECTION (FIG. 5)

Checking the horizontal scan calibration of the laser requires two walls 9 m (30') apart. It is important to conduct a calibration check using a distance no shorter than the distance of the applications for which the tool will be used.

TABLE 1

Distance Between Walls	Allowable Distance Between Marks
9.0 m (30')	3.0 mm (1/8")
12.0 m (40')	4.0 mm (5/32")
15.0 m (50')	5.0 mm (7/32")

1. Attach the laser to a wall using its pivot bracket, with the laser facing straight ahead toward the opposing wall (0 degree position).
2. Turn on the laser's horizontal beam and mark the beam position on the opposing wall directly across from the laser. Always mark the centre of the beam's thickness.
3. Pivot the laser to the extreme left (-90 degree position) and mark the beam position on the opposing wall.
4. Pivot the laser to the extreme right (+90 degree position) and mark the beam position on the opposing wall.
5. Measure the vertical distance between the lowest mark (A) and the highest mark (B). If the measurement is greater than the values shown in Table 1, the laser must be serviced at an authorised service centre.

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CHECKING ACCURACY – HORIZONTAL BEAM, PITCH DIRECTION (FIG. 6)

Checking the horizontal pitch calibration of the laser requires a single wall at least 9 m (30') long. It is important to conduct a calibration check using a distance no shorter than the distance of the applications for which the tool will be used.

TABLE 2

Distance Between Walls	Allowable Distance Between Marks
9.0 m (30')	6.0 mm (1/4")
12.0 m (40')	8.0 mm (5/16")
15.0 m (50')	10.0 mm (13/32")

1. Attach the laser to one end of a wall using its pivot bracket.
2. Turn on the laser's horizontal beam and pivot the laser toward the opposite end of the wall and approximately parallel to the adjacent wall.
3. Mark the centre of the beam at two locations (C, D) at least 9 m (30') apart.
4. Reposition the laser to the opposite end of the wall.
5. Turn on the laser's horizontal beam and pivot the laser back toward the first end of the wall and approximately parallel to the adjacent wall.
6. Adjust the height of the laser so that the centre of the beam is aligned with the nearest mark (D).
7. Mark the centre of the beam (E) directly above or below the farthest mark (C).
8. Measure the distance between these two marks (C, E). If the measurement is greater than the values shown in Table 2, the laser must be serviced at an authorised service centre.

CHECKING ACCURACY – VERTICAL BEAMS (FIG. 7A, 7B)

Checking the vertical (plumb) calibration of the laser can be most accurately done when there is a substantial amount of vertical height available, ideally 9 m (30'), with one person on the floor positioning the laser and another person near a ceiling to mark the position of the

beam. It is important to conduct a calibration check using a distance no shorter than the distance of the applications for which the tool will be used.

TABLE 3

Ceiling Height	Allowable Distance Between Marks
2.5 m (8')	1.5 mm (1/16")
3.0 m (10')	2.0 mm (3/32")
4.0 m (14')	2.5 mm (1/8")
6.0 m (20')	4.0 mm (5/32")
9.0 m (30')	6.0 mm (1/4")

1. Place the laser on the floor and turn on both vertical beams.
2. Mark the position where the beams cross on the floor (F) and also on the ceiling (G). Always mark the centre of the beams' thickness.
3. Rotate the laser 180 degrees, and reposition it so the beam crossing is exactly on the original mark on the floor.
4. Mark the position where the beams cross on the ceiling (H).
5. Measure the distance between the two ceiling marks. If the measurement is greater than the values shown in Table 3, the laser must be serviced at an authorised service centre.

CHECKING 90° ACCURACY BETWEEN VERTICAL BEAMS (FIG. 8A–8C)

Checking 90° accuracy requires an open floor area at least 10 m x 5 m (33' x 18'). Refer to the graphic for the position of the DW089 at each step and for the location of the marks made at each step. Always mark the centre of the beams' thickness.

TABLE 4

Distance from A to B	Allowable Distance Between Marks
4.0 m (14')	3.5 mm (5/32")
5.0 m (17')	4.5 mm (3/16")
6.0 m (20')	5.5 mm (7/32")
7.0 m (23')	6.0 mm (1/4")

ENGLISH

1. Set up the laser in one corner of the floor and turn on the forward vertical beam.
2. Mark the centre of the beam at three locations (A, B and C) on the floor along the laser line. Mark B should be at the midpoint of the laser line.
3. Move the laser to mark B and turn on both vertical beams.
4. Position the beam crossing precisely at mark B, with the forward beam aligned with mark C.
5. Mark a location (D) along the side vertical beam at least 5 m (18') away from the unit.
6. Rotate the laser over mark B so that the forward vertical beam now passes through mark D.
7. Mark the location (E) where the side vertical beam passes by mark A.
8. Measure the distance between marks A and E. If the measurement is greater than the values shown in Table 4, the laser must be serviced at an authorised service centre.

Troubleshooting

THE LASER DOES NOT TURN ON

- Make sure batteries are installed according to (+) and (-) on the inside of the battery door.
- Make sure the batteries are in proper working condition. If in doubt, try installing new batteries.
- Make sure that the battery contacts are clean and free of rust or corrosion. Be sure to keep the laser level dry and use only new, high-quality, name brand batteries to reduce the chance of battery leakage.
- If the laser unit is heated above 50 °C (120 °F), the unit will not turn on. If the laser has been stored in extremely hot temperatures, allow it to cool. The laser level will not be damaged by pressing the on/off button before cooling to its proper operating temperature.

THE LASER BEAMS FLASH

The DW089 is designed to self-level up to an average of 4° in all directions when positioned as shown in figure 2. If the laser is tilted so much that the internal mechanism cannot level itself, it will flash the laser beams – the tilt range has been exceeded. **THE FLASHING BEAMS CREATED BY THE LASER ARE NOT LEVEL OR PLUMB AND SHOULD NOT BE USED FOR DETERMINING OR MARKING LEVEL OR PLUMB.** Try repositioning the laser on a more level surface.

THE LASER BEAMS WILL NOT STOP MOVING

The DW089 is a precision instrument. Therefore, if the laser is not positioned on a stable (and motionless) surface, the laser will continue to try to find level. If the beam will not stop moving, try placing the laser on a more stable surface. Also, try to make sure that the surface is relatively flat, so that the laser is stable.

Laser Accessories**DIGITAL LASER DETECTOR: DE0892 (FIG. 9)**

Some laser kits include a DEWALT Digital Laser Detector. The DEWALT Digital Laser Detector helps in locating a laser beam emitted by the laser in bright light conditions or over long distances. The detector can be used in both indoor and outdoor situations where it is difficult to see the laser beam.

The detector is designed exclusively for use with the DW088 and the DW089 line lasers and other compatible DEWALT line lasers. It is not for use with rotating lasers.

The detector gives both visual signals through the LCD display window (m) and audio signals through the speaker (n) to indicate the location of the laser beam.

The DEWALT Digital Laser Detector can be used with or without the detector clamp. When used with the clamp, the detector can be positioned on a grade rod, leveling pole, stud or post.

ENGLISH

Batteries (fig. 9)

The digital laser detector is powered by a 9-volt battery. To install the battery provided, lift up on the battery compartment cover (o). Place the 9-volt battery in the compartment, aligning the battery as shown on the embossed icon.

Detector Controls (fig. 9)

The detector is controlled by the power button (q) and the volume button (r).

When the power button is pushed once, the detector is turned on. The top of the sensor window shows the ON icon and the volume icon.

The DEWALT Digital Laser Detector also has an auto shut-off feature. If a laser beam does not strike the beam detection window, or if no buttons are pressed, the detector will shut itself off in about 5 minutes.

To turn off the audible signal push the button again; the volume icon will disappear.

The detector powers up in the narrow accuracy setting (icon appears in the lower left corner). Press the accuracy button (s) once to change to wide accuracy setting (icon now appears in the lower right corner).

Accuracy

The detector provides two accuracy settings, wide and narrow. In the wide setting, the detector provides a larger tolerance for indicating that the detector is "on grade". In the narrow setting, this tolerance is reduced for more accurate indication of "on grade".



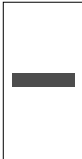
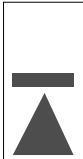

For the most accurate results, start the work using the wide setting and finish in the narrow setting.

Magnets

The magnets (t) allow the detector to be mounted to the metal tracks during the installation of a suspended ceiling.

DETECTOR OPERATION (FIG. 9)

1. Set up and position the laser.
2. Turn the detector on by pressing the power button (q).
3. Position the detector so that the sensor window (u) is facing the laser beam. Move the detector up or down within the approximate area of the beam, until you have centred the detector. For information about the display window indicators and the audible signal indicators, refer to the table titled **Indicators**.

		INDICATORS				
		Above Grade	Slightly Above Grade	On Grade	Slightly Below Grade	Below Grade
audible signals		fast beep	fast beep	steady tone	slow beep	slow beep
display icons						

4. Use the marking notches (p) to accurately mark the position of the laser beam.

MOUNTING ON A GRADE ROD (FIG. 9, 10)

1. To secure your detector to a grade rod, first attach the detector to the clamp by pushing in on the clamp latch (v). Slide the tracks (w) on the clamp around the rail (x) on the detector until the latch (y) on the clamp pops into the latch hole (z) on the detector.
2. Open the jaws of the clamp by turning the clamp knob (a1) counterclockwise.
3. Position the detector at the height needed and turn the clamp knob clockwise to secure the clamp on the rod.

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4. To make adjustments in height, slightly loosen the clamp, reposition and retighten.

Detector Cleaning and Storage

- Dirt and grease may be removed from the exterior of the detector using a cloth or soft, non-metallic brush.
- The DEWALT digital laser detector is rain resistant but not immersible. Do not pour water on the unit or submerge it under water.
- The best storage place is one that is cool and dry—away from direct sunlight and excess heat or cold.

Detector Service

Except for batteries, there are no user serviceable parts in the Digital Laser Detector. Do not disassemble the unit. Unauthorised tampering with the laser detector will void all warranties.

Detector Troubleshooting

THE DETECTOR WILL NOT TURN ON

- Press and release the power button.
- Check to see that the battery is in place and in the proper position.
- If the detector is very cold, allow it to warm up in a heated area.
- Replace the 9-volt battery. Turn the unit on.
- If the detector still does not turn on, take the detector to a DEWALT service centre.

THE DETECTOR'S SPEAKER MAKES NO SOUND

- Ensure that the detector is on.
- Press the volume button. It will toggle on and off.
- Ensure that the laser is turned on and that it is emitting a laser beam.

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- If the detector is still not making any sound, take it to a DEWALT service centre.

THE DETECTOR DOES NOT RESPOND TO THE BEAM FROM ANOTHER LASER UNIT

- The DEWALT Digital Laser Detector has been designed to work only with the DW088 and the DW089 and certain other compatible line lasers.

THE DETECTOR GIVES OFF A TONE BUT THE LCD DISPLAY WINDOW DOES NOT FUNCTION

- If the detector is very cold, allow it to warm up in a heated area.
- If the LCD display window is still not functioning, take the detector to a DEWALT service centre.

BRIGHT LIGHT SHINING ON DETECTOR CAUSES CONTINUOUS "ON-GRADE" SIGNAL

- In the presence of very intense ambient light, the detector may give a false or erratic indication of level.
- Reposition the detector out of the intense light or shade the sensor window (u) to resume normal operation.

Optional Accessories

Using the Laser with Accessories (fig. 1 inset)

The laser is equipped with a 1/4" x 20 female thread (i) on the bottom of the unit. This thread is to accommodate current or future DEWALT accessories. Only use DEWALT accessories specified for use with this product. Follow the directions included with the accessory.

Consult your dealer for further information on the appropriate accessories.

These are:

- DE0734 DEWALT grade rod
- DE0737 DEWALT grade rod
- DE0881 DEWALT tripod

ENGLISH

- DE0882 DEWALT laser pole
- DE0892 DEWALT detector

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your DEWALT product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

DEWALT provides a facility for the collection and recycling of DEWALT products once they have reached the end of their working life. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf.

You can check the location of your nearest authorised repair agent by contacting your local DEWALT office at the address indicated in this manual. Alternatively, a list of authorised DEWALT repair agents and full details of our after-sales service and contacts are available on the Internet at: www.2helpU.com.



Batteries

When disposing batteries, think of the protection of the environment. Check with your local authorities for an environmentally safe way of battery disposal.

GUARANTEE

DEWALT is confident of the quality of its products and offers an outstanding guarantee for professional users of the product. This guarantee statement is in addition to and in no way prejudices your contractual rights as a professional user or your statutory rights as a private non-professional user. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area.

• **30 DAY NO RISK SATISFACTION GUARANTEE** •

If you are not completely satisfied with the performance of your DEWALT tool, simply return it within 30 days, complete with all original components, as purchased, to the point of purchase, for a full refund or exchange. The product must have been subject to fair wear and tear and proof of purchase must be produced.

• **ONE YEAR FREE SERVICE CONTRACT** •

If you need maintenance or service for your DEWALT tool, in the 12 months following purchase, you are entitled to one service free of charge. It will be undertaken free of charge at an authorised DEWALT repair agent. Proof of purchase must be produced. Includes labour. Excludes accessories and spare parts unless failed under warranty.

• **ONE YEAR FULL WARRANTY** •

If your DEWALT product becomes defective due to faulty materials or workmanship within 12 months from the date of purchase, DEWALT guarantees to replace all defective parts free of charge or – at our discretion – replace the unit free of charge provided that:

- The product has not been misused;
- The product has been subject to fair wear and tear;

- Repairs have not been attempted by unauthorised persons;
- Proof of purchase is produced;
- The product is returned complete with all original components.

If you wish to make a claim, contact your seller or check the location of your nearest authorised DEWALT repair agent in the DEWALT catalogue or contact your DEWALT office at the address indicated in this manual. A list of authorised DEWALT repair agents and full details of our after-sales service is available on the Internet at: **www.2helpU.com**.

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