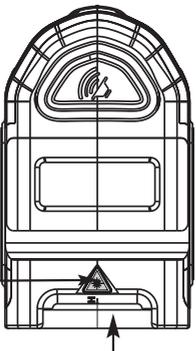


BDL100AV-XE

Australia
New Zealand

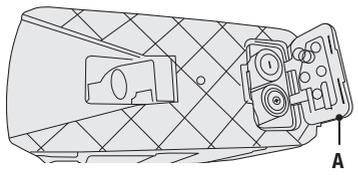
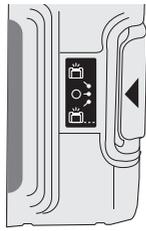
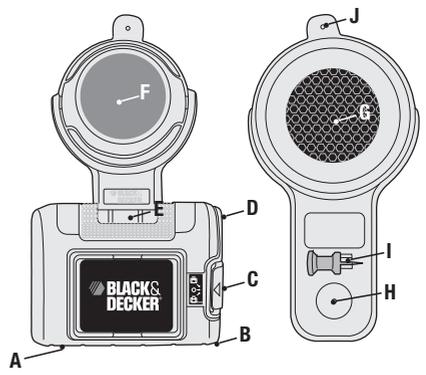
For your convenience and safety, the following labels are on your laser.



Avoid exposure-Laser radiation emitted from this aperture.

FRONT

BACK



1

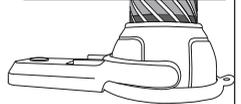
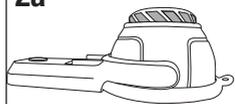


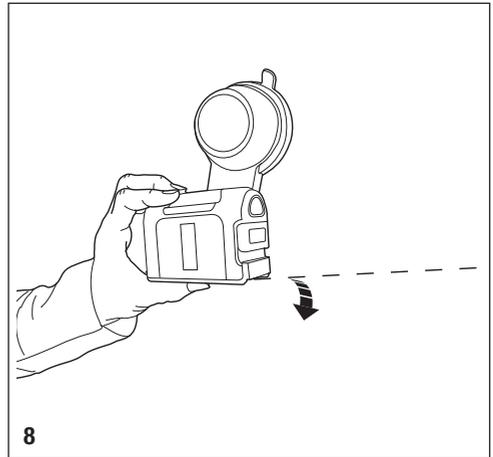
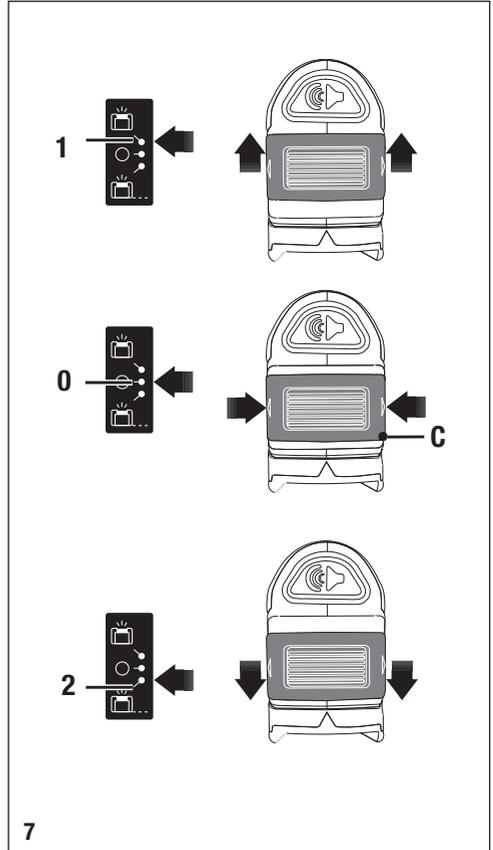
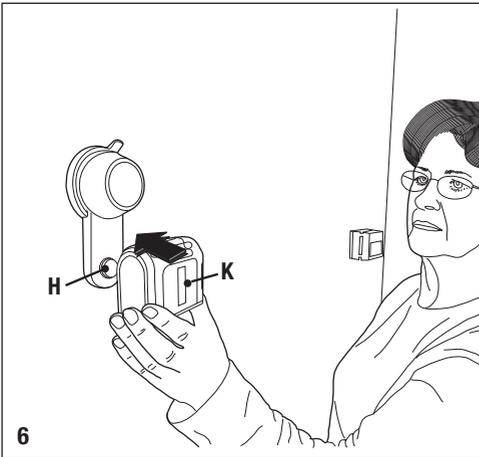
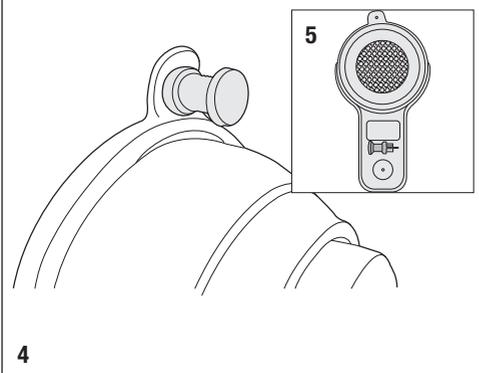
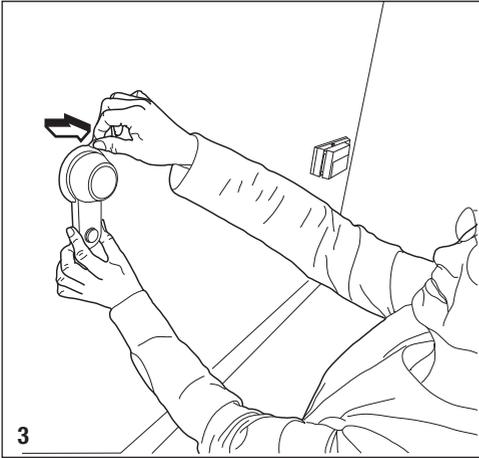
2

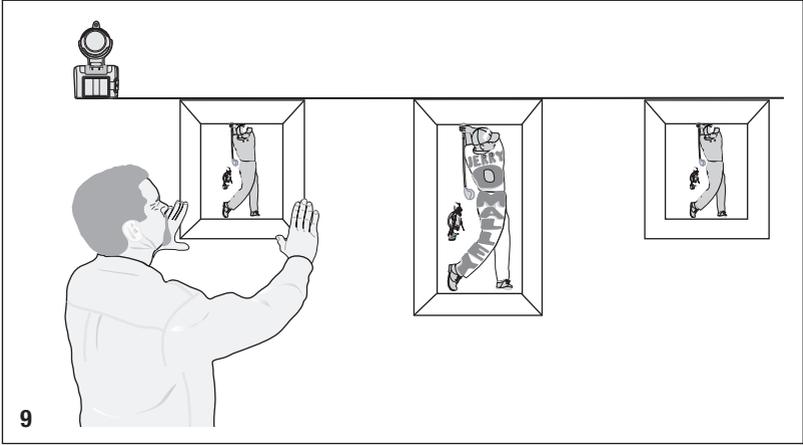
Full suction

Low suction

2a







Intended use

Your Black & Decker cordless sweeper has been designed for leaf clearing. This appliance is intended for consumer and outdoor use only.

General appliance safety warnings



Warning! When using mains-powered/cordless appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock, personal injury and material damage.

- ◆ Read all of this manual carefully before using the appliance, be familiar with the controls and the proper use of the appliance.
- ◆ The intended use is described in this manual. The use of any accessory or attachment or the performance of any operation with this appliance other than those recommended in this instruction manual may present a risk of personal injury.

The term "appliance" in all of the warnings listed below refers to your mains operated (corded) appliance or battery operated (cordless) appliance.

Save all warnings and instructions for future reference.

SAFETY GUIDELINES -DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.



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.

NOTICE: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Safety Instructions



DANGER: Laser Radiation, avoid direct eye exposure, serious eye injury can result.

- ◆ Do not use optical tools such as a telescope or transit to view the laser beam.
- ◆ 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 operate the laser around children or allow children to operate the laser.



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

- ◆ Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- ◆ Use only with the specifically designated batteries. Use of any other batteries may create a risk of fire.
- ◆ Store idle product 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.
- ◆ Repairs and servicing **MUST** be performed by a qualified repair facility. Repairs performed by unqualified personnel could result in serious injury.
- ◆ Do not remove or deface warning labels. Removing labels increases the risk of exposure to radiation.
- ◆ Turn the laser off when it is not in use. Leaving the laser on increases the risk of staring into the laser beam.
- ◆ Position the laser securely. Damage to the laser or injury could result if the laser falls.
- ◆ For indoor use only.
- ◆ This product is intended for use in a temperature range of 50° F (10° C) -104° F (40° C)."



CAUTION: The wall mounting suction cup is a temporary device that will lose suction over varying amounts of time depending on the material it is attached to. It should not be left unattended for extended periods of time.



CAUTION: Use caution when drilling, nailing or cutting into walls, floors and ceilings which may contain electrical wiring or pipes. Always turn off the power when working near electrical wires.

First Aid Measures for Bubble Vial Content

In case of skin contact, flush with soap and water. In case of eye contact, flush with flowing water. If swallowed, get medical help.

The label on your tool may include the following symbols:

V	-----	volts
nm	-----	wavelength in nanometers
mW	-----	milliwatts
IIa	-----	Class IIa Laser

Features

- A.) Battery Door
- B.) Laser Line
- C.) On / Off Switch
- D.) Audio On / Off Button
- E.) Color Changing Bubble Vial
- F.) Wall Suction Cup Button
- G.) Wall Mounting Suction Cup
- H.) Magnet
- I.) Pin (optional)
- J.) Release Tab

Replacing the Batteries -Figure 1

Ensure laser on/off switch (C) is in the full off position by moving switch actuator to center position "O". Remove the battery door (A). Insert 2 fresh 1.5 volt AAA alkaline batteries making sure to match (+) and (-) terminals correctly as marked on inside of battery door. Close battery door.

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.
- ◆ 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.

"Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand tools and the like. The US Department of Transportation Hazardous Material Regulations (HMR) actually prohibit transporting batteries in commerce or on airplanes (i.e. packed in suitcases and carryon luggage) UNLESS they are properly protected from short circuits. So when transporting individual batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit."

Operating Instructions

The BDL100AV is a versatile tool which allows you to level and align shelves, pictures, large appliances and more. It is designed to work on painted drywall vertical surfaces (semi-gloss, satin, egg shell and matte). Also primed drywall, glass and most plastic and metal.

USING THE TEMPORARY WALL MOUNTING SUCTION CUP

- ◆ The laser level can be attached to a wall using either the temporary wall mounting suction cup (G) or (in rare circumstances for non-smooth surfaces) pin (I).

CAUTION: Temporary wall mounting suction cup should only be used on smooth impermeable surfaces such as painted drywall vertical surfaces (semi-gloss, satin, egg shell and matte), primed drywall, glass and most plastic and metal.

- ◆ To use the temporary wall mounting suction cup, place on wall in approximate location often to be leveled and push in on the suction cup button (F).
- ◆ Release temporary wall mounting suction cup button and check to make sure that the wall attachment is firmly seated on the wall.
- ◆ **NOTE:** In the rare instance when the temporary wall mounting suction cup is left on the wall for an extended period of time, any resulting marks can be removed with warm soapy water and a damp cloth.
- ◆ Multilevel suction scale shown in figure 2 provides information about vacuum inside cup. When red color bar appears suction is low. Press button again or unit will fall soon.
- ◆ To remove the temporary wall mounting suction cup, pull the rubber release tab (J) straight out as shown in figure 3.

USING THE PIN (OPTIONAL)

 **CAUTION:** Pin is sharp and should be handled with care.

- ◆ Insert pin straight and seat firmly against surface as shown in figure 4. The pin should always be pushed in by hand and never driven by a hammer.
- ◆ To remove pin from the wall, pull straight out.

 **CAUTION:** Always store pin as shown in figure 5 when not in use.

LASER LEVEL FUNCTION

- ◆ Connect the laser level to the wall attachment as shown in figure 6. Wall attachment has a strong magnet (H) that attracts to metal plates (K) located under the label on both sides of the laser allowing for easy up and down adjustment for about 3/4 of an inch (19 mm).

NOTE: Laser can be flipped to project a horizontal laser line in either direction.

- ◆ Move on / off switch actuator (C) to position "1" to activate the color change on the bubble vial. -figure 7. Move on / off switch actuator (C) to position "0" to turn off the laser.
- ◆ Move on / off switch actuator (C) to position "2" to project the laser line and activate the color change on the bubble vial.

 **DANGER: Laser Radiation, avoid direct eye exposure.**

AUDIO VISUAL LEVEL FUNCTION

- ◆ If the device is not level, the bubble vial will be "RED".
- ◆ To level the device, rotate it in either direction until the bubble vial turns "GREEN".
Figure 9 depicts using the laser to hang several pictures in a straight line.
- ◆ There is also an audio button (D) which can be used to signal when an item is level that is out of sight as shown in figure 10.
- ◆ To use the audio leveling feature, turn the device on by moving the switch (C) to position "2" shown in figure 7.
- ◆ Push in on the audio On/Off button (D). The device will begin to "beep" on and off.
- ◆ Place the device on top of the item that you are leveling.
- ◆ Begin leveling. The beeping speed will increase when the item is near level. When the item is leveled the signal will become continuous and stop.
- ◆ If you have gone past level the beeping tone will noticeably change.

Helpful Hints

- ◆ The laser line is only level on the wall against which the unit is held or hung. The short line visible on any adjacent wall is not level. The same is true for straight line projection on a floor or wall, the short line on any adjacent wall is not level.
- ◆ The laser unit only generates a level line when held or hung against a vertical surface.
- ◆ Make sure laser is as square as possible to flat surface to ensure proper line projection.

TROUBLESHOOTING

Problem

- ◆ Unit does not work.
- ◆ Level blinking red.
- ◆ No audio signal.
- ◆ Level blinking randomly with different colors.
- ◆ Suction cup will not hold on wall.
- ◆ No laser line
- ◆ Level won't stay steady when on wall mount.

Possible Cause

- ◆ Weak batteries.
- ◆ Weak batteries.
- ◆ Audio button not pushed.
- ◆ Restart software.
- ◆ Wall surface too porous.
- ◆ Switch in wrong position.
- ◆ Out of height adjustment range.

Possible Solution

- ◆ Replace if needed.
- ◆ Replace batteries.
- ◆ Push audio button.
- ◆ Turn unit OFF and after 5 seconds turn unit ON.
- ◆ Try another location or use push pin.
- ◆ Move switch to lowest position.
- ◆ Read just height position of suction cup).

Protecting the environment



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

Should you find one day that your Black & Decker 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.

Black & Decker provides a facility for the collection and recycling of Black & Decker 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 Black & Decker office at the address indicated in this manual. Alternatively, a list of authorised Black & Decker repair agents and full details of our after-sales service and contacts are available on the Internet at: www.2helpU.com

Batteries



At the end of their useful life, discard batteries with due care for our environment:

- ◆ Run the battery down completely, then remove it from the tool.
- ◆ NiCd, NiMH and Li-Ion batteries are recyclable. Place the battery(s) in a suitable packaging to ensure that the terminals cannot be short-circuited. Take them to any authorised repair agent or a local recycling station.
- ◆ Do not short-circuit the battery terminals.
- ◆ Do not dispose of the battery(s) in a fire as this may result in a risk of personal injury or an Explosion.

Technical data**BDL100AV**

Voltage	V	3 (included)
Battery size		2 AAA
Wave length	nm	633 - 670 (red color)
Laser Class		Class IIa
Working range	m	4.5 (depends on light conditions)
Accuracy (at 3 m)	mm	+/- 6
Operating temperature	°C	10 - 40
Weight	kg	0.2

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