

POWERmini driver

Lithium Ion Screwdriver
User Manual

THANK YOU

Thank you for investing in a CEL product. The Li-Ion POWERmini driver has been engineered and made to demanding high quality standards; ease of operation and safety have taken a major role in development. Proper care of your product will give you years of trouble-free use.

Normal wear and tear, including accessory wear, is not covered under guarantee. The product is guaranteed for **domestic use** against manufacturing faults for a period of 12 months (for additional guarantee period (if any) please refer to the store or agent from which you purchased the product or contact the nearest authorized dealer). This product is not guaranteed for HIRE purposes.

If you have any questions, please contact us at:

sales@cel-global.com

It is possible to download updated user manuals, view demonstration videos and find information about new products at: **www.cel-global.com**

Warning: User must read and understand the user manual before using the product to reduce the risk of injury. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury. The product must be used only for its prescribed purpose. Any use other than those mentioned in this manual will be considered a case of misuse. The manufacturer shall NOT be liable for any damage or injury resulting from such cases of misuse, use of force, partially or completely dismantled appliances.



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CARE

1. Work Area

- (1) Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- (2) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust of fumes.
- (3) Keep bystanders, children and visitors away while operating a power tool.

2. Electrical Safety

- (1) A battery operated tool with integral batteries or a separate battery pack must be recharged only with the supplied charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- (2) Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- (3) Lithium-ion batteries can rupture, ignite, or explode when exposed to high temperature environments e.g. in an area that is prone to prolonged direct sunlight. Short-circuiting a Li-ion battery can cause it to ignite or explode and any attempt to open or modify the casing or circuitry is dangerous.

3. Personal Safety

- (1) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- (2) Dress properly. Do not wear loose clothing or jewellery. Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery, or long hair can be caught in moving parts.
- (3) Avoid accidental starting. Carrying tools with your finger on the switch invites accidents.
- (4) Attach or remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- (5) Do not over-reach. Keep proper footing and balance at all times.
- (6) Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

4. Tool Use and Care

- (1) Use clamps or other practical way to secure and support the workpiece to a stable platform.
- (2) Do not force tool. Use the correct tool for your application.
- (3) Do not use tool if switch does not turn it on or off.
- (4) Place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tools.
- (5) Switch the tool off before making any adjustments, changing accessories, or storing the tool.
- (6) Store idle tools out of reach of children and other untrained persons.
- (7) When the tool is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.
- (8) Maintain tools with care. Keep cutting tools sharp and clean.
- (9) Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.
- (10) Use only accessories that are recommended by the manufacturer for your model.

5. Service

- (1) This product is only serviceable by the original manufacturer. Any attempt to service the product yourself will void any warranty and may cause the product to malfunction.

SPECIFIC SAFETY RULES

- Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring.
- ALWAYS wear ear protection when using the tool for extended periods
- NEVER place hands or other body parts near the drill bit or chuck during operation.
- NEVER touch or place your hands, fingers or other body parts near the tool's moving parts.
- Use correct tool. Don't force small tool or attachment to do the job of a heavy-duty tool.
- NEVER use a power tool for applications other than those specified in the Instruction Manual.
- NEVER allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel.

- Keep all screws, bolts and covers tightly in place. Check their condition periodically.
- Do not use power tools if the plastic housing or handle is cracked. Cracks in the tool's housing or handle can lead to electric shock. Such tools should not be used until repaired.
- Blades and accessories must be securely mounted to the tool.
- NEVER use a tool which is defective or operating abnormally. If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by a CEL authorized service centre.
- Carefully handle power tools. Should a power tool be dropped or struck against hard materials inadvertently, it may be deformed, cracked, or damaged.
- Do not wipe plastic parts with solvent. Wipe plastic parts with a soft cloth lightly dampened with soapy water and dry thoroughly.
- ALWAYS wear eye protection that meets the requirement of the latest revision of ANSI Standard.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CHARGER AND POWERmini driver

1. This manual contains important safety and operating instructions for supplied battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger and (2) product using battery.
3. To reduce risk of injury, charge only the POWERmini driver. Other types of batteries or products may burst causing personal injury and damage.
4. Do not expose battery charger to moisture.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, do not pull by cord when disconnecting battery charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. Only plug in to a safe power outlet in a safe location.
- 9. Do not operate battery charger with damaged cord or plug - replace them immediately.**
10. Do not operate battery charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service centre.
11. Do not disassemble battery charger; take it to a qualified service centre when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from receptacle before attempting any maintenance or cleaning. Removing the battery will not reduce this risk.

You must charge the battery before you can use the cordless driver. Before using the battery charger, be sure to read all instructions and cautionary statements on it, the POWERmini driver and in this manual.

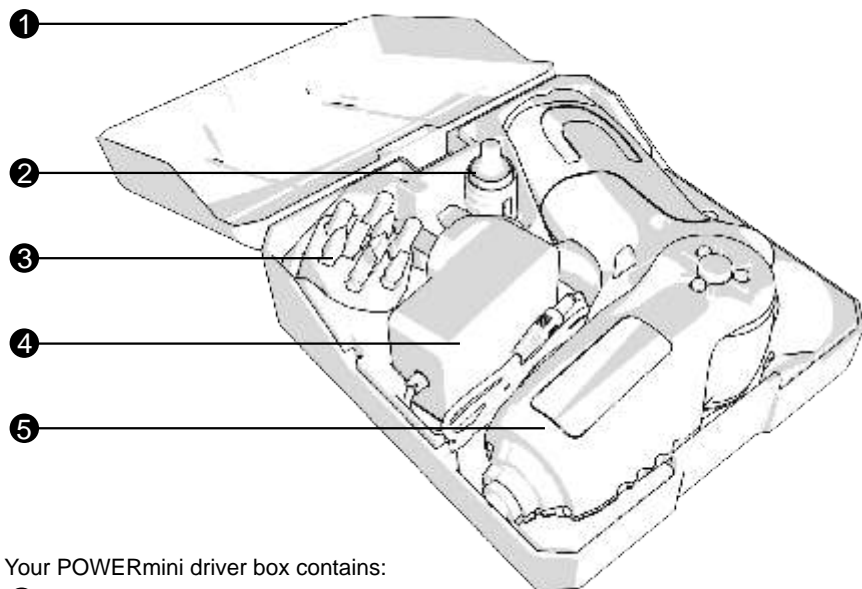
REMEMBER: USE THE CHARGER ONLY ON THE POWERmini driver. OTHER TYPES OF BATTERIES MAY BURST AND CAUSE INJURY!

WARNING: Improper use of the battery or battery charger can lead to serious injury.

To avoid these injuries:

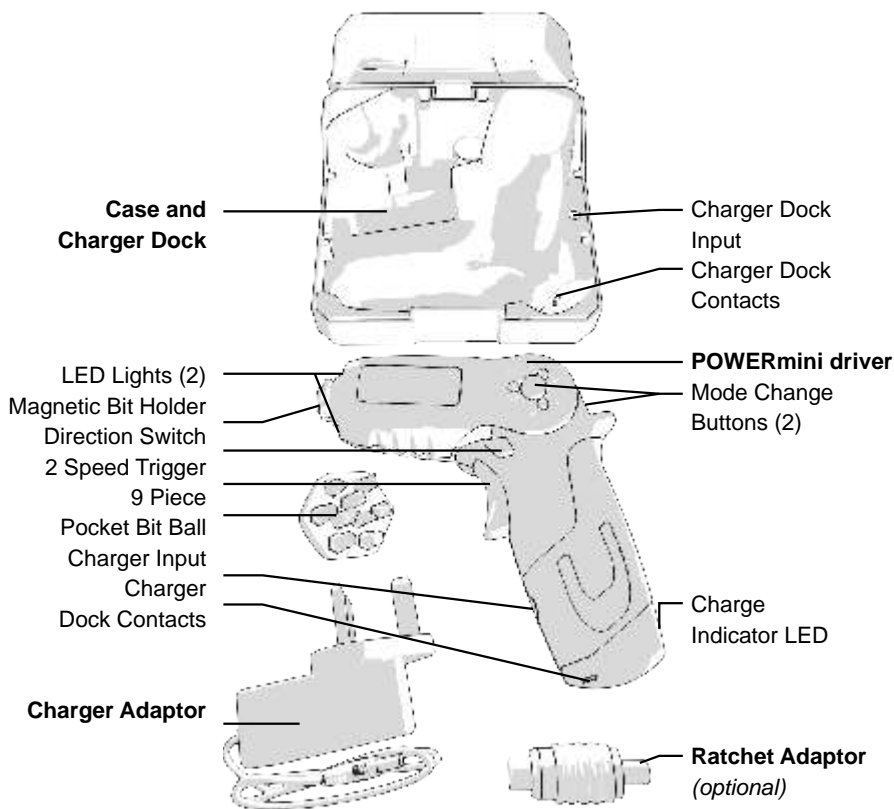
1. NEVER disassemble the battery.
2. NEVER incinerate the battery, even if it is damaged or is completely worn out. The battery can explode in a fire.
3. NEVER short-circuit the battery.
4. NEVER insert any objects into the battery charger's air vents. Electric shock or damage to the battery charger may result.
5. NEVER charge outdoors. Keep the battery away from direct sunlight and use only where there is low humidity and good ventilation.
6. NEVER charge when the temperature is below 50°F (10°C) or above 104°F (40°C).
7. NEVER connect two battery chargers together.
8. NEVER insert foreign objects into the hole for the battery or the battery charger.
9. NEVER use a booster transformer when charging.
10. NEVER use an engine generator or DC power to charge.
11. NEVER store the battery or battery charger in places where the temperature may reach or exceed 104°F (40°C).
12. ALWAYS operate charger on standard household electrical power. Using the charger on any other voltage may overheat and damage the charger.

KEEP THESE INSTRUCTIONS AND MAKE THEM AVAILABLE TO OTHER USERS AND OWNERS OF THIS TOOL!



Your POWERmini driver box contains:

- ① Case
- ② Ratchet Adaptor (optional)
- ③ Pocket Driver Bit Ball (9 bits)
- ④ Charger Adaptor
- ⑤ POWERmini driver



If the unit is damaged in any way do not attempt to charge it and replace immediately.

The battery is not removable or serviceable in this product. Keep clear of any moisture, direct sunlight or temperature extremes.

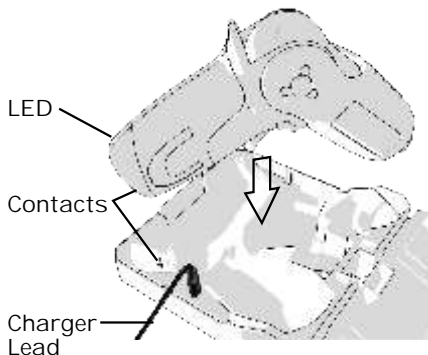
The POWERmini driver can be charged either in the Charger Dock or through the socket on the handle.

To charge on the Charger Dock:

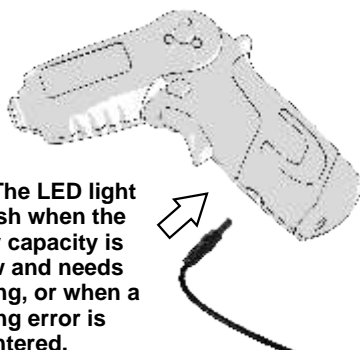
- Fully unwind the charger cable, plug into a suitable mains outlet and switch the power on.
- Fit the plug securely into the socket on the charger dock.
- Place the POWERmini driver into the dock so the contacts on the base of the handle meet those in the dock. Ensure there is no obstruction and the driver is stable and secure.

To charge the POWERmini driver directly from the charger:

- Fully unwind the charger cable, plug into a suitable mains outlet and switch the power on.
- Place the POWERmini driver in a safe and dry place and insert the charging lead into the handle of the unit.



The LED light on the handle of the POWERmini driver will turn red while the battery is charging and turn off once the battery is fully charged.



Note: The LED light will flash when the battery capacity is too low and needs charging, or when a charging error is encountered.

The battery requires 5 hours to charge fully from flat.

To keep the battery in prime condition it is best to charge the battery every 3 months if stored.

Never store the unit with a flat battery.

The unit should ideally be stored between 10° C and 24° C (50° F and 75° F).

The battery will not be damaged if it is charged for longer than 5 hours, but it is advisable not to leave it on for more than 48 hours, as this might shorten the battery life.

Lithium-ion batteries can rupture, ignite, or explode when exposed to high temperature environments e.g. in an area that is prone to prolonged direct sunlight. Short-circuiting a Li-ion battery can cause it to ignite or explode and any attempt to open or modify the casing or circuitry is dangerous.

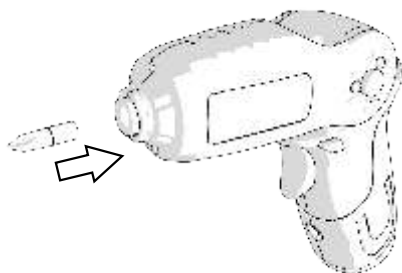
Warning: Only use the charger supplied with this product. Do not attempt to charge this product with any other charger nor attempt to charge any other product with this charger, as it can cause damage and will invalidate your guarantee.



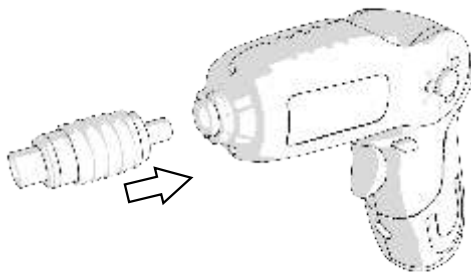
ONLY THE MANUFACTURER
CAN SERVICE THIS PRODUCT

The POWERmini driver has a 1/4inch magnetic bit holder.

Fit the correct driver bit by placing into the magnetic holder on the front of the POWERmini driver.



Fit the optional Ratchet Adaptor into the magnetic bit holder and press the sleeve away from the driver to tighten a bolt/fastening or pull toward the driver to loosen the fastening



To
Tighten
Fastening



To
Loosen
Fastening



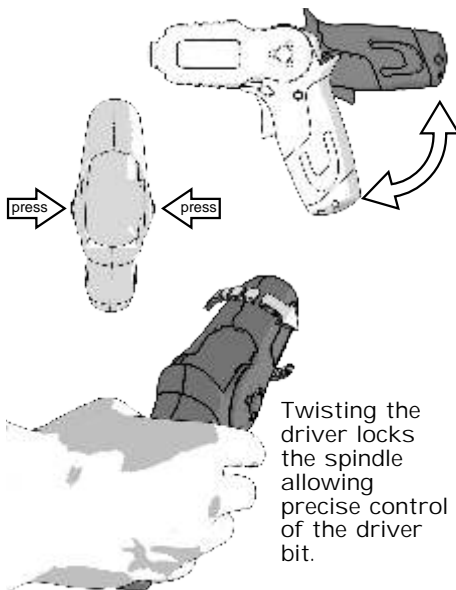
Select the mode most comfortable to you or most appropriate to the task.

Fully depress the round buttons on both sides of the unit and rotate the two body parts to the desired orientation.

This should be a smooth and easy motion, if there is any resistance do not force the unit, ensure both buttons are fully pressed in and repeat.

Take care not to trap your fingers when changing from driver to pistol mode.

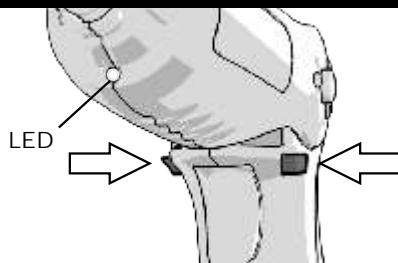
The locking spindle feature on the POWERmini driver is great for small adjustments or to further tighten a fastening. This feature is active while the trigger is released, just twist the POWERmini driver in the desired direction.

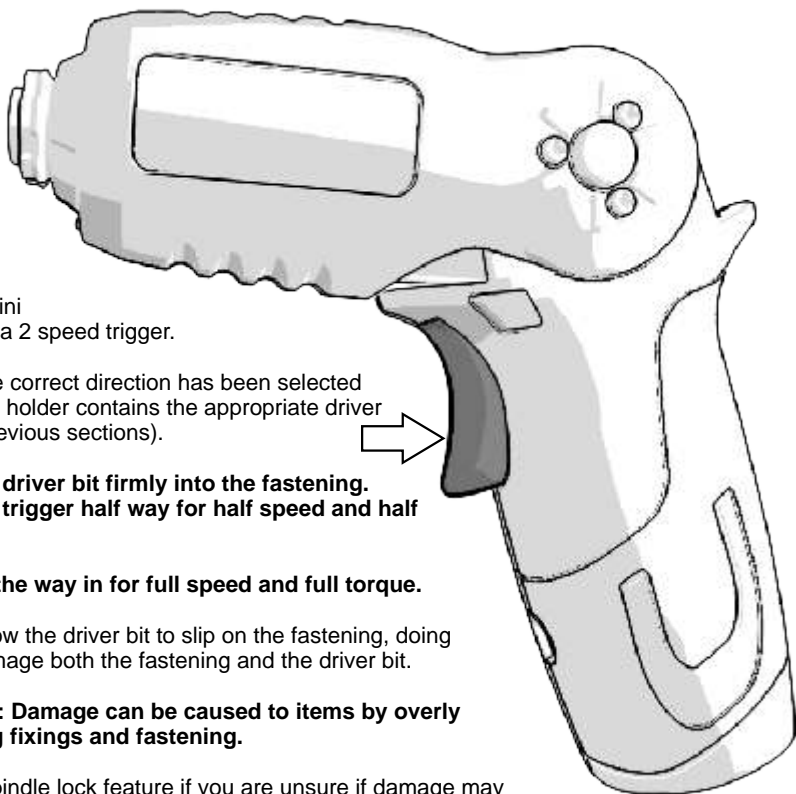


Change drive direction

Select the screw direction by pressing the 3 way switch.

The centre position will disable the motor allowing only the LED lights to be illuminated.





The POWERmini driver has a 2 speed trigger.

Ensure the correct direction has been selected and the bit holder contains the appropriate driver bit (see previous sections).



**Press the driver bit firmly into the fastening.
Press the trigger half way for half speed and half torque.**

Press all the way in for full speed and full torque.

Do not allow the driver bit to slip on the fastening, doing so will damage both the fastening and the driver bit.

Take care: Damage can be caused to items by overly tightening fixings and fastening.

Use the spindle lock feature if you are unsure if damage may be caused (see Selecting Pistol or Driver Mode section).

For storage ensure the battery is fully charged, return all items to the case and place in a dry place.

Never Store the Driver With a Flat Battery.

The battery should ideally be stored between 10°C and 24°C (50°F and 75°F).

When the time comes to dispose of this product please consider the environment and take it to a recognised recycling facility instead of disposing with general household waste.

The driver contains a Lithium Ion (Li-Ion) battery which must be disposed of properly.

Call your local council, civic amenity site, or recycling centre for information on the recycling and disposal of electrical products and Lithium Ion (Li-Ion) batteries.

Do I need to fully discharge the battery before recharging it?

No the Li-Ion system has no memory effect so you can charge it at any time. The charge will be retained in storage for much longer than older battery technology.

When I pull the trigger the motor doesn't run, why?

- a) Check the 3 way direction switch, if it is in the middle only the LED will light.
- b) The Lithium Ion battery has a protection circuit to prevent it from completely discharging. The battery will provide constant power then stop rather than slowing down. Recharge fully.

Why does my driver stop sometimes?
See above.**Where should I keep my POWERmini driver?**

In a dry place at a stable temperature between 10°C and 24°C (50°F and 75°F). The kitchen drawer for example.

The driver can't screw the fastening all the way in, what can I do?

Try using the spindle lock feature, just release the trigger and twist the entire unit in the required direction.

For big jobs try
www.power8workshop.com

I keep stripping screw heads and damaging the driver bits, what can I do?

Make sure you use the correct driver bit for the brand of fastening you have, Phillips head screws are different to cross head screws. Use the 8 bladed bits for Phillips screws. Press hard even when removing screws.

What should I do if my POWERmini driver gets wet?

Dry fully for several days in a warm but not hot place before trying to charge or use.

How can I get my POWERmini driver repaired if it is damaged?

Contact your retailer.

Where do I find my serial number?

On the right hand side of the upper section.

Where can I get replacement parts, advice or help?

Ask at your retailer or visit
www.cel-POWERmini.com

What is your returns policy?

See inside cover of manual.

Technical specifications

13.0

Unit operating cycle with full battery	- Continuous up to 60 minutes
Maximum Torque	- 4Nm
Speed	- High:200rpm / Low:100rpm
Bit Size	- 6.3mm 1/4inch
Battery operating voltage	- 3.7V DC
Battery makeup	- Lithium Ion
Charging period for fully discharged battery	- Approx. 5 hours
Charger Input	- 100-240vAC 50/60Hz
Charger Output	- 5V DC 300mA
Dimensions	- 142x137x57mm - (5.6x5.4x2.3")
Weight	- 0.67Kg (1.5lbs)
Product Code	- LI1

If you experience any problems with the product please contact

email: sales@cel-global.com

www.cel-POWERmini.com



**GENERAL HAZARD
SAFETY ALERT**



**BEWARE OF FLYING
OBJECTS AND DEBRIS**



READ INSTRUCTION MANUAL



KEEP BYSTANDERS AWAY



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