

HYUNDAI

12V MULTI-TOOL Model HY2151



User Manual

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1. OWNER'S MANUAL & SAFETY INSTRUCTIONS

1.1. How to read the manual.

- 1.1.1. Keep this manual for the safety warnings and precautions, assembly, operation, inspection, maintenance and cleaning procedures.
- 1.1.2. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number).
- 1.1.3. Keep this manual and the receipt in a safe and dry place for future reference.
- 1.1.4. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.

2. GENERAL SAFETY

 DANGER Non-observance will result in the risk of serious injury or death to oneself or others.	 WARNING Non- observance will result in the risk of injury to oneself or others.	 CAUTION Indicates a hazard which, if not avoided, might result in minor or moderate injury.	 NOTE NOTE or IMPORTANT These give details or further information on what has already been said, and aim to prevent damage to the machine or cause other damage.	  Read Manual
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 WARNING	DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.
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2.1. Work Area Safety

- 2.1.1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 2.1.2. 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 or fumes.
- 2.1.3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2. Electrical Safety.

- 2.2.1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2.2.2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- 2.2.3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

- 2.2.4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.
- 2.2.5. When operating a power tool outdoors, use an extension cord suitable for outdoor use.
- 2.2.6. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 2.2.7. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

2.3. Personal Safety.

- 2.3.1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- 2.3.2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 2.3.3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 2.3.4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- 2.3.5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 2.3.6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 2.3.7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

2.4. Power Tool Use and Care.

- 2.4.1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- 2.4.2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 2.4.3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 2.4.4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- 2.4.5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 2.4.6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 2.4.7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.

2.4.8. Use of the power tool for operations different from those intended could result in a hazardous situation.

2.5. Battery Use and Care

2.5.1. Recharge only with the charger supplied, and specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

2.5.2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

2.5.3. When battery pack 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. Shorting the battery terminals together may cause explosions, burns and or a fire.

2.5.4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

2.6. Service.

2.6.1. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2.7. Cordless driver drill safety warnings.

2.7.1. Wear ear protectors when drilling. Exposure to noise can cause hearing loss.

2.7.2. Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.

2.7.3. Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

2.7.4. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.

2.7.5. Hold the tool firmly.

2.7.6. Keep hands away from rotating parts.

2.7.7. Do not leave the tool running. Operate the tool only when hand-held.

2.7.8. Do not touch the bit or the work piece immediately after operation; they may be extremely hot and could burn your skin.

2.7.9. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

3. BATTERY PACK

3.1. Before use.

3.1.1. Before using battery pack, read all instructions and cautionary markings on the battery charger, battery, and product using battery.

3.1.2. Do not disassemble battery cartridge.

3.1.3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.

3.1.4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.

- 3.1.5. Do not short the battery cartridge terminals. Shorting out the terminals may cause an explosion, burns and or a fire.
- 3.1.6. Do not touch the terminals with any conductive material.
- 3.1.7. Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
- 3.1.8. Do not expose battery cartridge to water or rain. Battery short circuit can cause a large current to flow, which may result in an explosion, overheating, possible burns and even a breakdown.
- 3.1.9. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
- 3.1.10. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
- 3.1.11. Be careful not to drop or damage the battery pack.
- 3.1.12. Do not use a damaged battery.

3.2. Tips for maintaining maximum battery life

- 3.2.1. Charge the battery cartridge before completely discharged.
- 3.2.2. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- 3.2.3. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- 3.2.4. Charge the battery cartridge with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot battery cartridge cool down before charging it. Charge the battery cartridge once in every six months if you do not use it for a long period of time.

4. CHARGING




WARNING

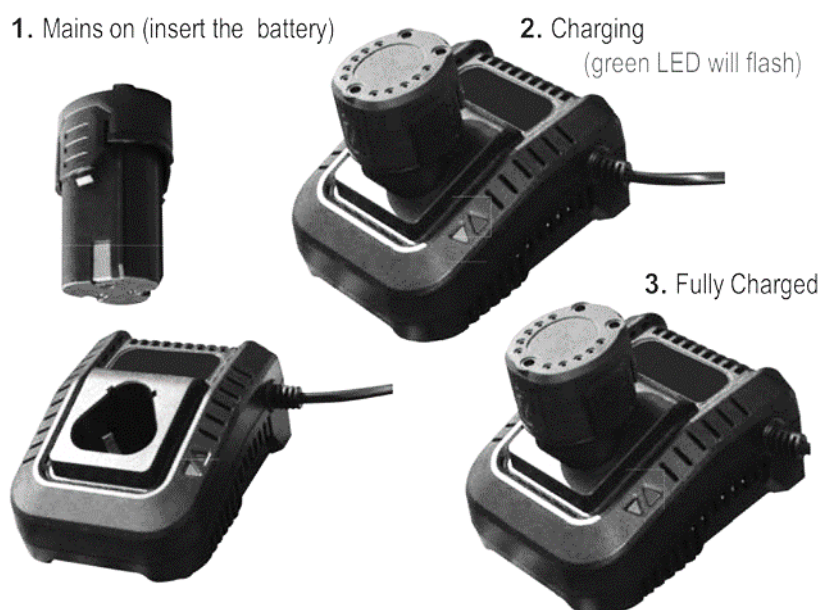
Make sure that you charge the battery for at least 1 hour before operation.

- 4.1. Plug the charger into the mains outlet socket (230v) the red light will illuminate showing mains supply. The charger is now ready to insert the battery.
- 4.2. When you charge a new battery pack or a battery pack which has not been used for a long period, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery pack fully after discharging it completely a couple of times.
- 4.3. Unplug the charger from the power source after the charge is complete.
- 4.4. Please remove the battery from the unplugged charger for storage.
- 4.5. Charger is to be plugged into a 230v AC outlet only.
- 4.6. If the battery pack is too hot or too cold, the charger will not fast charge the battery pack and the red Indicator light will "blink". When the battery pack temperature returns to between 0°C and 50°C, The charger will automatically begin charging.
- 4.7. If both red and green indicator lights are "ON" the battery pack either does not comply or is defective. Please contact your retailer.
- 4.8. Do not use a generator for charging the battery pack.

5. INSERTING / REMOVING BATTERY PACK

 WARNING	Do not force the battery pack when sliding it into the power tool unit. If the battery pack does not slide in easily it is not being inserted correctly.
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- 5.1. Always switch off the power tool, make sure the trigger is released before inserting or removing the battery pack.
- 5.2. To remove the battery pack pushes the buttons on the battery pack and pull the power tool unit from the battery pack. Insert the battery pack into the charger.
- 5.3. The green LED will flash when charging. After 1 hour the green LED will become stable showing the battery is fully charged.
- 5.4. 1. Mains on (insert the battery) 2. Charging (Green LED will flash) 3. Fully Charged.




6. SPECIFICATION

Battery 12V	12V d.c. Li-ion, 1300mAh
Oscillations	5000~18000/min
Oscillation Angles	1.4°(left and right)
Charging Time	60 Minutes
Net Weight (Without battery)	0.8kg
Charger Input	230VAC – 50Hz
Charger Output	12VDC 1.7Ah

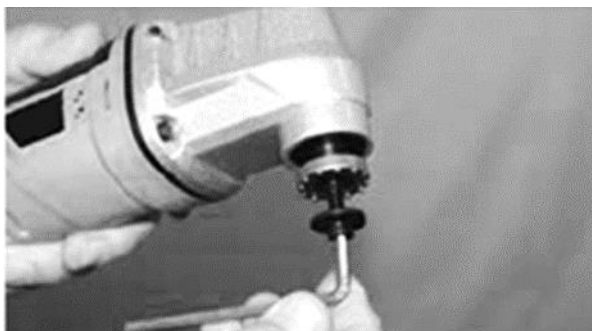
7. QUICK REFERENCE GUIDE



7.1. Fitting the accessories

 WARNING	<p>Make sure that the trigger is not in the ON position before changing any accessories.</p> <p>When using sanding pads do not apply excessive pressure this will wear the pad and base plate.</p>
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- 7.1.1. Make sure that the trigger is not in the ON position and remove the battery before continuing.
- 7.1.2. Remove the retaining bolt and washer locate the accessory on to the mounting pins.
- 7.1.3. Fit the retaining bolt and washer and tighten with an allen key.



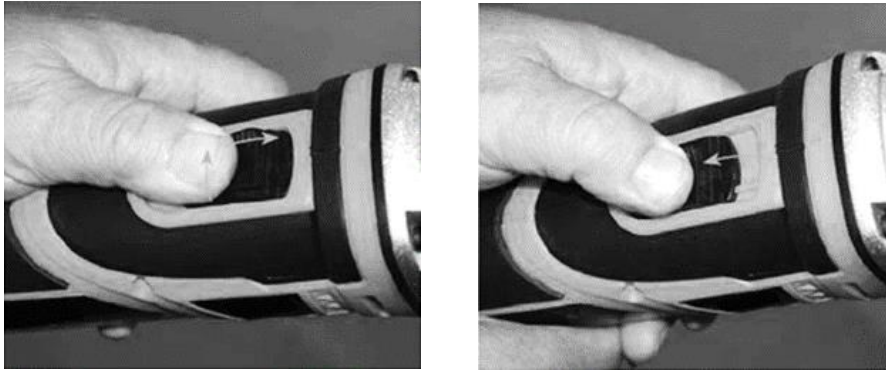
- 7.1.4. When using the delta sanding accessory fix the sanding pad on to the base plate. (Hook and loop system).

7.1.5. Do not apply excessive force to the power tool during operation.

7.2. Trigger lock/speed/battery power indicator.

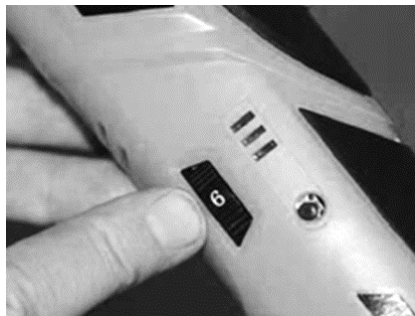
7.2.1. To operate the on/off switch press the lock tab on the switch to the left and push the switch forward. The switch will stay in this position until the switch is moved backwards to the off position.

7.2.2. To unlock pull back the on/off switch, as shown in the image below;



7.3. Speed setting.

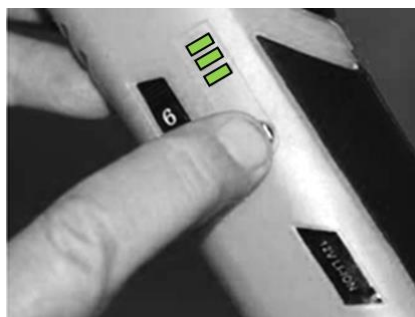
7.3.1. The speed can be set between (1) and (6) depending on the work in hand. Rotate the selector wheel to the desired speed.




7.4. To check battery power.

7.4.1. To check the battery power remove any accessories and turn the combo tool on, to speed setting (1), then press the "battery power indicator" button for an accurate reading. Green LED's are displayed.

7.4.2. As the power in the battery decreases the lights will go out. Less than 10% power the indicator light will flash.



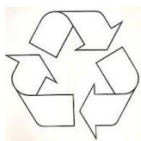
8. GENERAL MAINTENANCE

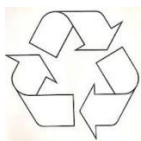
 <p>WARNING</p>	<p>To reduce the risk of personal injury and damage. Never immerse your power tool, battery pack or charger in liquid or allow a liquid to flow inside them.</p> <p>To reduce the risk of injury always unplug the charger remove the battery pack from the charger or power tool before performing any maintenance.</p> <p>Never disassemble the power tool, Battery pack or charger. Contact a service facility for ALL repairs.</p>
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- 8.1. Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program.
- 8.2. It is essential to keep the tool clean, remove dust or debris after each use, and pay particular attention to the ventilation slots.
- 8.3. Clean the housing with a soft cloth moistened with soapy water; do not use solvents such as: Petrol, Alcohol, ammonia, etc...
- 8.4. Ingress of dust and dirt can stop the chuck and switches operating blow out with compressed air periodically and lightly lubricate with contact spray.


9. ENVIRONMENTAL

- 9.1. Do not dispose of electric equipment together with household waste material! In observance of European Directive 2012/19/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. If electrical appliances are disposed of in landfills or dumps hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- 9.2. For further information on the disposal of this product, please contact your dealer or your nearest domestic waste collection service.



- 9.3.  Reduce – Reuse - Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.



- 9.4.  When the product is no longer required, it must be disposed of in a manner which is compatible with the environment.

10. GENPOWER CONTACT DETAILS

- 10.1. Postal address;
Genpower Limited, Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW, UK.
- 10.2. Telephone contact number;
Office +44 (0) 1646 687880
- 10.3. Email contact;
Technical service@genpower.co.uk
- 10.4. Web site;
www.hyundaipowerequipment.co.uk

11. DECLARATIONS OF CONFORMITY

- 11.1. Genpower Ltd confirms that this Hyundai product conform to the following CE Directives;
 - 11.1.1. 2006/42/EC Machinery Directive
 - 11.1.2. 2004/108/EC EMC Directive
 - 11.1.3. 2006/95/EC Low Voltage Directive



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