

HYUNDAI

230V 650W PLANER

Model HY2162



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.
- 1.1.5. This planer is intended for planing materials within the tools capability.

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. Service.

- 2.5.1. 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.


3. QUICK REFERENCE GUIDE and USE



PARTS		
1 Depth Knob.	2 Guide Lock Knob.	3 Safety Lock Button.
4 Power Switch.	5 Dust Port Cover.	6 Cutting Guide.

TECHNICAL SPECIFICATION			
Rated Voltage & Wattage	230V - 50 Hz – 650 Watt	Net Weight.	2.76 Kg
No Load Speed.	0 - 2,800/min.	Vibration Level.	Main Handle = 0.87 m/s ² Auxiliary Handle = 2.6 m/s ²
Dust Chute.	ID 1½ " – 38 mm	Dust Chute.	OD 1 ¹¹ / ₁₆ " – 42.87 mm
Maximum Planing Width.	3 ¾ " – 95.25 mm	Max Planing Depth	1 ¹ / ₁₆ " – 1.59 mm
Sound Pressure Level.	85 dB (L _{pA})	Sound Power Level.	95 dB (L _{wA})



4. UNPACKING and ASSEMBLY

 CAUTION	<p>TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:</p> <p>Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.</p> <p>This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging.</p>
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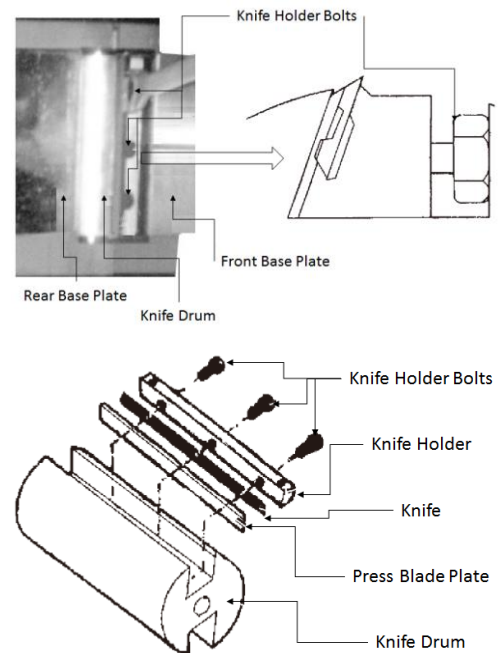
4.1. Unpacking.

- 4.1.1. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual.
- 4.1.2. If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer.
- 4.1.3. Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means.
- 4.1.4. Do not let children play with empty plastic bags due to the risk of suffocation.

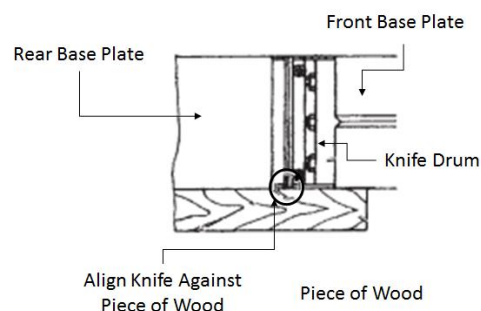
4.2. Knife installation and adjustment.

 WARNING	<p>Before working on the Knives, wear ANSI-approved safety goggles and heavy-duty leather work gloves.</p> <p>Unplug planer and allow Knives to cool completely if used recently.</p>
 NOTE	<p>The heads of the Knife Holder Bolts are facing the Front Base Plate</p>

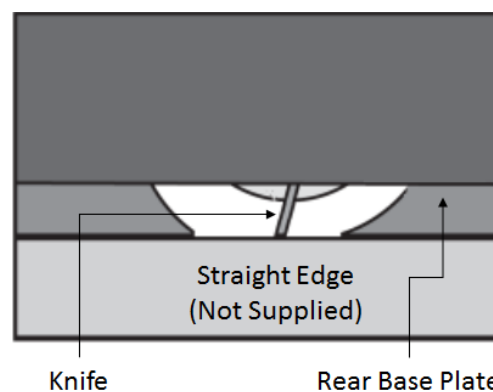
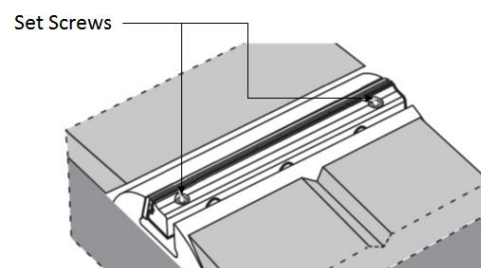
- 4.2.1. The planer is equipped with two reversible knives. Reverse or replace the knives as a set in order to avoid an imbalance between the two knife holder assemblies.
- 4.2.2. Wearing heavy-duty leather work gloves, rotate the knife drum until one knife holder and knife are accessible through the gap between the base plates.
- 4.2.3. To loosen the knife holder from the drum, Use the supplied wrench to turn the knife holder bolts in an anticlockwise direction the bolts thread into the knife holder, thus releasing pressure on the drum and allowing the knife holder to be removed.
- 4.2.4. Use a piece of wood to slide the knife lengthwise out of the knife drum.
- 4.2.5. Once the knife has been removed, clean the knife, the press blade plate, knife holder, and the knife drum thoroughly. Carefully examine the knife holder for loose parts or signs of damage, replace if damaged.



- 4.2.6. Use a piece of wood to slide the new or reversed knife lengthwise into the knife rum, between the press blade plate and the knife holder.
- 4.2.7. Place a straight edge or straight piece of wood along the side surfaces of the front base plate and rear base plate. Slide the knife against the straight edge or piece of wood so that it aligns evenly with both base Plates.




- 4.3. Turn the three knife holder bolts in a clockwise direction to secure the knife holder assembly in place. At this stage only loosely tighten the bolts.
- 4.4. Adjust the knife so that both ends are level;
 - 4.4.1. Set the depth Knob to "0."
 - 4.4.2. Have an assistant hold a straight edge (sold separately) against the bottom of the rear base plate.
 - 4.4.3. Locate the set screws on the knife holder.
 - 4.4.4. Adjust one set screw until the knife just touches the straight edge on that side.



- 4.4.5. Adjust the other set screw until the knife just touches the straightedge on that side as well.
- 4.4.6. Turn the three knife holder bolts firmly in a clockwise direction to secure the knife in place.
- 4.4.7. Rotate the knife drum 180° and change/ replace and adjust the other knife as above steps.
- 4.4.8. IMPORTANT! - Carefully double-check that the knives and knife holders are secure and that both knives are level before use.

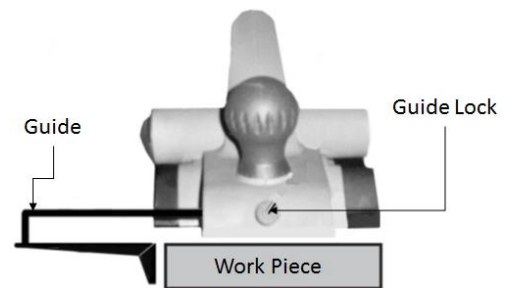
4.5. Depth Adjustment.

 <p>NOTE</p>	<p>For a rough-cut work piece use a deeper cut, but never to exceed 1/16". Once the work piece is planed smooth, make a number of shallower cuts to acquire the desired depth.</p>
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- 4.5.1. The planer may be adjusted to cut to a depth of up to 1/16" per pass along the work piece.
- 4.5.2. To increase the depth of cut, turn the depth knob clockwise.
- 4.5.3. To decrease the depth of cut, turn the depth knob counter clockwise.
- 4.5.4. Return the depth knob to read "0" on the dial when finished cutting.

4.6. Guide Adjustment



- 4.6.1. The guide can be used to adjust the width of cut, support the planer, and keep the planer from drifting away from the cut line (i.e., the edge of a door).
- 4.6.2. The guide may be attached either to the right side of the planer or on its left side.
- 4.6.3. Position the planer on the work piece that is to be cut.
- 4.6.4. Loosen the guide lock knob at the front of the planer.
- 4.6.5. Insert the guide into the mounting hole located on either side toward the front of the planer Housing. Slide the guide in until it contacts the edge of the work piece.
- 4.6.6. Secure the guide in place by tightening the guide lock knob.



4.7. Work piece and work area set up

- 4.7.1. Designate a work area that is clean and well lit.
- 4.7.2. You must not allow the working area to be accessed by children or pets this will help to prevent distraction and injury.
- 4.7.3. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage.
- 4.7.4. The power cord must reach the work area with enough extra length to allow free movement while working.
- 4.7.5. Secure loose work pieces using a vice or clamps (not included) to prevent movement while working.
- 4.7.6. There must not be objects, such as cables etc, nearby that will present a hazard while working.


5. OPERATION

 WARNING	Before starting work confirm that both knives are properly aligned and that both knives are secured fully.
 NOTE	Do not start to move the planer across the work piece until the knives are spinning at full speed.

- 5.1. Make sure that the trigger is in the off position, then plug in the tool.
- 5.2. While standing to the side of the work piece, hold the planer firmly with one hand on the handle portion of the housing and the other hand on the depth knob. Do not turn the depth knob during use.
- 5.3. Set the planer's front base plate on the front edge of the work piece. Then, depress the safety lock button and squeeze the trigger to start the planer.
- 5.4. Start tool off of work piece and allow tool to reach full speed.
- 5.5. If tool vibrates or becomes noisy SWITCH IT OFF IMMEDIATELY, unplug it and allow it to come to a complete stop. Adjust and tighten the knives to correct imbalance.
- 5.6. If vibration or noise persists, do not use tool until inspected and repaired by a qualified technician.
- 5.7. While placing pressure on the front base plate to control the depth of cut and the guide (if used) to control the width of cut, feed the planer slowly until the rear base plate contacts the work piece.


Then, transfer pressure to the rear base plate, and continue planing slowly to the end of the cut. Do not pull the planer back over the surface already cut.

- 5.8. If necessary, repeat Step 5.7, using progressively deeper cuts until you near the desired depth.
- 5.9. Adjust the depth adjustment knob to make a light cut for the final pass to help give the work piece a cleaner finish.

 NOTE	The Planer’s motor may stall if the tool is improperly used.
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- 5.10. If the motor begins to stall, reduce the feed speed at which you are making the cut and/or reduce the depth of the cut.
- 5.11. When finished planing, carefully lift the planer from the work piece and release the trigger. Wait until the planer’s knife drum comes to a complete stop. Then unplug the planer and turn the depth adjustment knob to the “0” setting.
- 5.12. Clean, then store the tool indoors out of children’s reach.

6. GENERAL MAINTENANCE

 WARNING	Do not at any time let brake fluids, petrol, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.
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6.1. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.








6.2. Lubrication

6.2.1. All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

7. SYMBOLS

7.1. The rating plate on this product may show some or all of the following symbols.

7.2. These represent important information about the product or instructions on its use.

			
Wear hearing protection. Wear eye protection. Wear respiratory protection.	Conforms to relevant safety standards.	Double insulated for additional protection.	Read the instruction manual.
			
Product conforms to RoHS requirements	General warning	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.	

8. ENVIRONMENTAL

- 8.1. 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.
- 8.2. For further information on the disposal of this product, please contact your dealer or your nearest domestic waste collection service.



- 8.3. 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.



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

9. GENPOWER CONTACT DETAILS

9.1. Postal address;

Genpower Limited, Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW, UK.

9.2. Telephone contact number;

Office +44 (0) 1646 687880

9.3. Email contact;

Technical service@genpower.co.uk

9.4. Web site;

www.hyundaipowerequipment.co.uk

10. DECLARATIONS OF CONFORMITY

- 10.1. Genpower Ltd confirms that this Hyundai product conform to the following CE Directives;

- 10.1.1. 2006/42/EC Machinery Directive
- 10.1.2. 2004/108/EC EMC Directive
- 10.1.3. 2006/95/EC Low Voltage Directive



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