

ALEKO®

DRYWALL SANDER INSTRUCTION MANUAL

DS-225 series



CE RoHS 

Original instruction manual

READ THROUGH CAREFULLY AND UNEDERSTAND THESE INSTRUCTIONS BEFORE USE

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"Caution - Read the operating instructions to reduce the risk of injury"



Wear ear-muffs.

The impact of noise can cause damage to hearing.



Wear a breathing mask.

Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



Wear safety goggles.

Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.

1) Work area

- a) **Keep work area clean and well lit.** *Cluttered and dark areas may result in an accident.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control of the powered tool and may cause bodily injury.*

2) Electrical safety

- a) **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 the risk of electric shock.*
- b) **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.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock and may make the tool inoperative.*
- d) **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 or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tools in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **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 bodily injury.*
- b) **Use safety equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, protective eyewear, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** *Carrying power tools with your finger on the switch or plugging in power tools that have the switch on will result in an accident and cause bodily injury.*
- d) **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 bodily injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities,**

ensure these are connected and properly used.

Use of these devices can reduce dust related hazards.

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will deliver better results and safer at the rate for which it was designed for.*
- b) **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.*
- c) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **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.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges*

are less likely to bind and are easier to control;

- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations other than it was intended for could result in a hazardous situation.**

5) Service

- a) 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.**

Safety Warnings Specific for Sanding Operations:

- a) Do not use excessively oversized sanding disc paper. Follow manufacturer's recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback**

1. Voltage

Before connecting electric tool to the socket, make sure the supply voltage is in accordance with rated voltage. If the former is greater than latter and the device is powered on by mistake, it may result in damage of devices and in bodily injury. As for indefinite supply voltage of socket, never try to plug it for use. Besides, the damage to the

devices, may also occur if the supply voltage falls below rated voltage.

2. Device Application

As one of our products, the device belongs to the hand-held electric tools.

The device mainly caters for lime surface, including the interior wall, ceiling, exterior wall, corridor, etc. Remove the painting lime mud from the wall, and make the surface even or smooth. It may promote the wall grinding efficiency and quality by workers.

With various conditions taken into consideration in the design, the device may run at high or low speed. In addition, you may adjust the connection structure at high and low locations respectively, to optimize the grinding efficiency and realize user-friendly and compact design.

3. Technical Specifications

<u>Model</u>	<u>DS-225A DS225AVS DS225-2 DS-2252VS</u>
<u>Rated Voltage</u>	<u>110 (V~)</u>
<u>Frequency</u>	<u>60 (Hz)</u>
<u>Rated Power</u>	<u>750 (W)</u>
<u>No-load Speed</u>	<u>800-1750(R/min)</u>
<u>Sandpaper Dimensions</u>	<u>Φ225(mm)</u>
<u>Spindle Thread</u>	<u>M14</u>
<u>Safety Standard</u>	<u>II /回</u>
<u>Net/Gross Weight</u>	<u>13.8 (Lbs)</u>
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4. Structure Overview (See following pictures)

Complete appliance



DS-225 28.7x10.8x17.5 (in/2pc) Length 4.1FT/5.5FT



DS-225AVS 28.7x10.8x17.5 (in/2pc) Length 4.1FT/5.5FT



DS-225-2 44x11x7.4 (in/1pc) Length 4.1FT/6.2FT



DS-2252VS 44x11x7.4 (in/1pc) Length 4.1FT/6.2FT



DS-225-2 Plastic viscid disc component

2. Sandpaper



4. Speed governor

3.Switch



5. Dust Outlet

6. Vacuum dust hose



7. Handle

8. Lengthening bar



9. Locking nut

- 1 Plastic viscid disc component
- 2 Sandpaper
- 3 Switch
- 4 Speed governor
- 5 Dust Outlet
- 6 Vacuum dust hose
- 7 Handle
- 8 Lengthening bar
- 9 Locking nut

Standard Accessories

- | | |
|-------------------------------------|--------------------------------|
| Drywall: 1pc | Instruction manual: 1pc |
| Sandpaper: 6pcs | Allen Wrench: 1pcs |
| Carbon Brush: 2pcs | Telescopic Dust hose: 4 m/1pcs |
| Dust bag: with self-cleaning with 1 | |

5. Installation & Sandpaper Replacement (See following picture)



 **Note:** Prior to installation or removing the sandpaper, make sure to not only switch off the device, but also cut off the power supply.

—Installation Guide

To ensure the replacement procedures, place the device on smooth and even ground prior to installation. Take the sandpaper from the toolbox, and attach it onto the disk. The back of the sandpaper (Item 1) will automatically glue with the disk/adhesive disk (Item 2), making both connection and conduction available.

In order to promote the grinding efficiency, it is necessary to change the sandpaper after the device has been operational for a certain period. Firstly, switch off the device and disconnect from the socket. Then, remove the previous sandpaper entirely from the disk, to lay new sandpaper neatly as well as facilitate future replacement. At last, fix new sandpaper in position.

—Sandpaper Overview

Grinding towards the target wall and object is possible with abrasive grains and sandpaper twisting upon operations. The sandpaper is classified into various categories per its dimensions. It is recommended to select the sandpaper in accordance with actual size of the disk. The more abrasive grains included on the sandpaper, result in flatter and smoother surface, and can be achieved via grinding, while the grinding efficiency will fall accordingly and vice versa. Therefore, the sandpaper ($\Phi 225\text{mm}$) is recommended upon actual needs.



Warning : Prior to the sandpaper replacement or installation please read safety precautions and installation guides carefully.

6. Installation & viscid disc Replacement (See following picture)

If the viscid disc is damaged during use, a new viscid disc can be purchased from our company for replacement. ◦

—Installation Guide



Remove the sandpaper, put the Allen wrench into the hexagon hole in the center of the viscid disc and then rotate anticlockwise to take off the damaged viscid disc. Install the new viscid disc (see the picture).

7. Connection Set for Dust Outlet (See following pictures)



a

Component b

Lock



b

a

As the name implies, it is used for connecting the device to Dust Outlet (accessory). The dust will come out from the wall upon operating the grinder. The device is connected to Dust Collector in the back via Connection Set for Dust Outlet, making it possible for the operator to

reduce the amount of dust.

— **Installation Guide**

Plug the component b into component, make the lock in the groove and rotate clockwise.

— **Dismantling Process**

Rotate the lock anticlockwise and pull out the dust hose

8. Switch & Speed Governor Operation

The switch of the machine is a two step switch. As shown in following picture, press the switch button and push forward to power on. Press the switch button and turn back to power off.

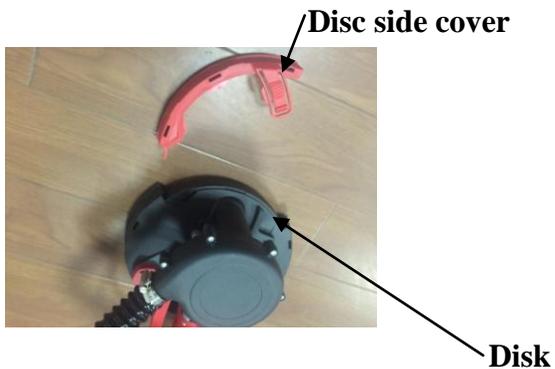
The Speed Governor, as shown in the following picture, may be used to regulate the speed, to facilitate the operations of workers and improve work quality simultaneously.



Speed Governor

Switch

9. The operation of the edge angle



If closer contact with the wall is needed, please remove the corner plate of the sander.

10. Folding installation and disassembly

The main board long straight tubes, the upper and lower joint of folding, folding screw locking hand-wheel on the joint. Then insert the extension rod, a locking hand-wheel screw on the handle on the contrary can be removed.

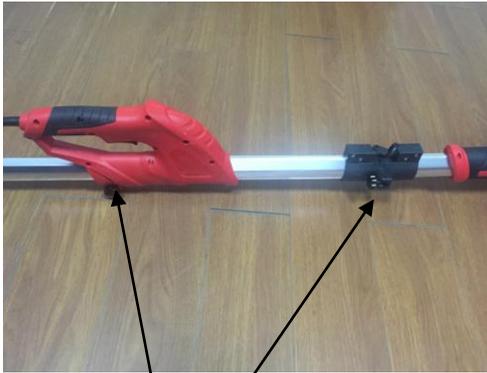
Lengthening bar



Long main tube

Folding joint

Locking hand wheel



Locking hand wheel

12. Suction adjustment



Suction regulating wheel

Suction adjustment guide: suction adjustment knob can adjust the suction level. It is advised to have the suction on the first setting and increase suction power according to needs.

13. LED light (Optional)

When working in the dusky condition, LED light could be added for help.

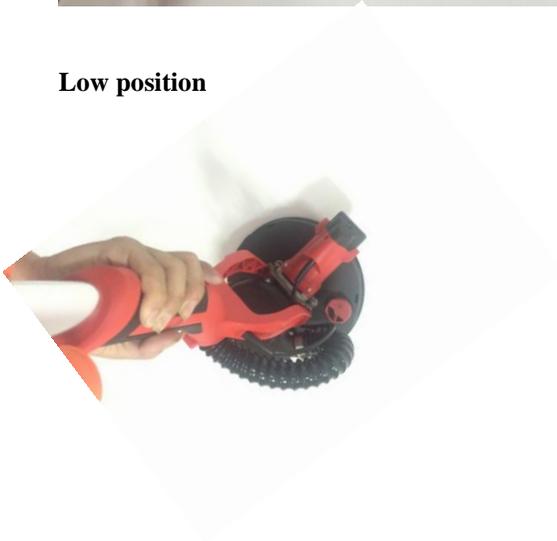


LED light

14. Application Diagram



Low position



Ceiling position

With the tension spring machine, motor back hook arm on both sides of the hole allows for easier polishing of the ceiling.

15. Cleaning

Regular cleaning shall be conducted after grinding.

- Cleaning the devices frequently may help extend operating life and reduce repair rate. It is recommended to clean the connection sets and components of electric motor without application of water.
- Timely cleaning is recommended after each use of the devices.
- Clean out devices with a brush, a piece of dry cloth, or simply blow out with air pressure machine.

16. Replacement of carbon brush

When the original carbon brush is worn, the machine has a set spare carbon brush for replacement.

Guide for the replacement of carbon brush :

- 1) Use the screwdriver to open the cover of the carbon brush and take out the carbon brush
- 2) Put the spare carbon brush into the Brush Carrier, use the screwdriver to rotate and fix the cover of carbon brush tightly.



Carbon brush replacement position

CE Declaration of conformity

The following product complies with safety requirements of the CE-Directive based on its design and type:

Product Description: **Electric disc-type sander (Pole-mounted)**

Type of Product: **DS-225series** Year of Product: **2016**

Satisfies the requirement EC-Machinery Directive **2006/42/EC**

of the Council Directive*: EC-Low Voltage Directive **2006/95/EC**

EC-Directive of Electromagnetic Compatibility

2004/108/EC

and conforms with the norms**: EN 60745-1:2009+A11

EN 60745-2-3:2011

EN 55014-1:2006+A1+A2

EN 55014-2:1997+A1+A2

EN 61000-3-2:2006+A1+A2

EN 61000-3-3:2008

Thank you for purchasing **ALEKO Drywall Sander**.

If you have any questions, feel free to visit our website WWW.ALEKOPRODUCTS.COM and contact our customer service for assistance.

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