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› Dong Cheng Cordless Angle Grinder DCSM04-115 Instruction Manual

Dong Cheng DCSM04-115

Dong Cheng Cordless Angle Grinder DCSM04-115 Instruction Manual

Model: DCSM04-115

INTRODUCTION

Welcome to your new Dong Cheng Cordless Angle Grinder. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting of your DCSM04-115 model. Please read this manual thoroughly before using the tool to ensure safe and efficient operation. Keep this manual for future reference.

SAFETY INFORMATION

Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves, when operating the angle grinder. Ensure the work area is clear and well-lit. Keep bystanders away from the operating area.

Dynamic Safety Control (DSC) System

The Dong Cheng DCSM04-115 is equipped with a Dynamic Safety Control (DSC) system. This technology is designed to detect potential wheel-binding or kickback incidents in milliseconds and automatically cuts power to reduce reactive torque. It also incorporates practical and safe features like Drop Control and Overload Auto-Restart, which help prevent accidents and protect your safety during operation.

This video explains the Dynamic Safety Control (DSC) system of the Dong Cheng DCSM04-115 angle grinder, including features like kickback control and overload protection.



ANTI-RESTART PROTECTION



Prevents Accidental Operation



Visual representation of the smart safety features, including Anti-Restart Protection, Kickback Control, Overload Restart, and Drop Protect.

PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x Angle grinder
- 1 x 4.0Ah battery
- 1 x Fast charger
- 2 x Grinding wheels
- 2 x Flap discs
- 2 x Cutting discs
- 1 x Handle
- 2 x Safety guards (Standard & Anti-Splash)
- 1 x Wrench
- 1 x Warranty card
- 1 x User manual

SETUP

Battery Installation

To install the 4.0Ah Li-ion battery, align the battery pack with the receptacle on the tool handle and slide it in until it clicks securely into place. To remove, press the release button on the battery and slide it out.

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POWERS 85+ TOOLS

The 4.0Ah Li-ion battery pack, ready for installation into the angle grinder.

Guard Installation and Adjustment

The angle grinder comes with two unique guards (Standard & Anti-Splash) featuring gear-lock positions for tool-free adjustment. To install a guard, align it with the grinder head and press the red button to engage the gear-lock. Rotate the guard to the desired position for optimal safety and release the button to lock it in place. Ensure the guard is securely fastened before operation.



KICKBACK CONTROL



Shutdown Automatically
When Kickback

stop

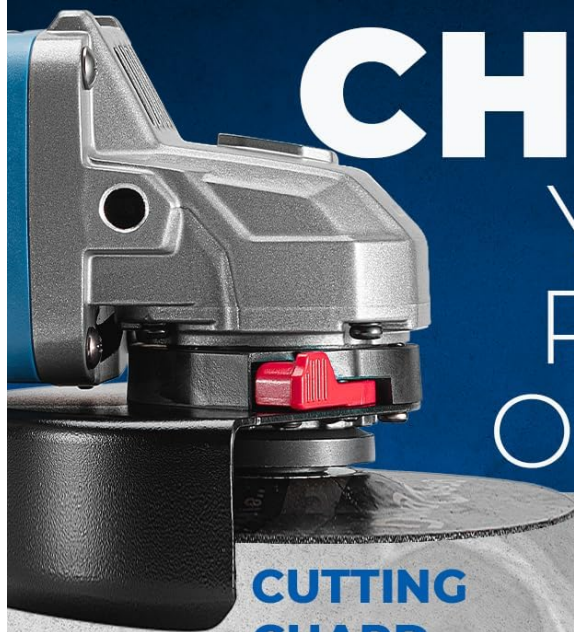


Illustration of the tool-free guard adjustment mechanism, allowing selection between cutting and grinding guards.

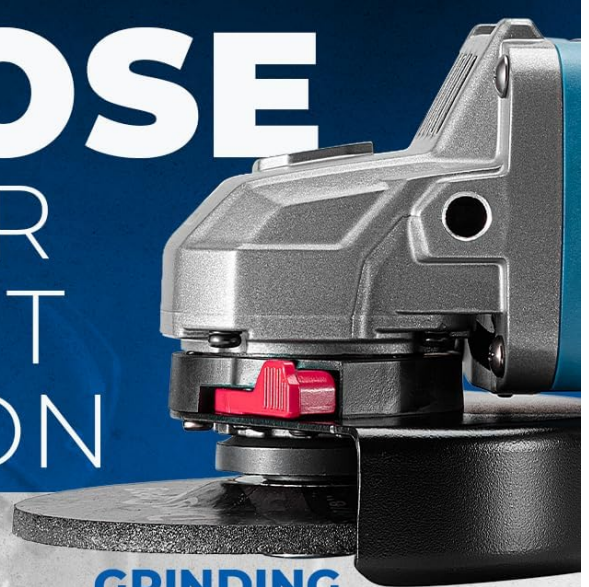
Disc Installation

To install a grinding, cutting, or flap disc, first ensure the tool is switched off and the battery is removed. Press the spindle lock button to prevent the spindle from rotating. Place the inner flange onto the spindle, then position the disc onto the inner flange. Secure the disc with the outer flange and tighten it using the provided wrench. Ensure the disc is centered and firmly secured.

CHOOSE YOUR RIGHT OPTION



**CUTTING
GUARD**



**GRINDING
GUARD**

TOOL-FREE GUARD MULTI-STAGE ANGLE ADJUSTMENT



Adjust the
Direction of
Guard by
Pressing
Red Button



A cutting disc properly installed on the angle grinder, ready for use.

Handle Installation

The auxiliary handle can be screwed into either side of the grinder head, depending on user preference and application. Tighten the handle firmly by hand to ensure a secure grip during operation.



DROP CONTROL

Automatically Switches Off
if Dropped



The angle grinder with its auxiliary handle attached, providing enhanced control.

This video demonstrates the installation of the safety guard and cutting disc on the Dong Cheng Cordless Angle Grinder DCSM04-115, highlighting the tool-free adjustment mechanism.

OPERATING INSTRUCTIONS

Power On/Off

To turn the grinder on, slide the power switch to the 'ON' position. To turn it off, slide the switch to the 'OFF' position. Always ensure a firm grip on the tool before starting.

Speed Adjustment

The grinder features a 3-stage adjustable speed control, allowing you to select between 4000 RPM, 6000 RPM, and 9000 RPM. Use the speed control button to cycle through the settings to match the material and application. Lower speeds are suitable for delicate polishing, while higher speeds are for aggressive cutting and grinding.



ANTI-RESTART PROTECTION



KICKBACK CONTROL

SMART SAFETY, ALWAYS ON



OVERLOAD RESTART



DROP PROTECT

The angle grinder displaying its 3-stage variable speed control settings.

Application Techniques (Cutting, Grinding, Polishing)

Always hold the grinder firmly with both hands. For cutting, use a cutting disc and apply steady, even pressure. For grinding, use a grinding wheel and maintain a consistent angle to the workpiece. For polishing, attach a flap disc or appropriate polishing accessory and use a lower speed setting for a smooth finish. Avoid excessive pressure, which can lead to kickback or damage to the disc and workpiece.

OPTIMIZED

TRANSMISSION STRUCTURE



Premium
Gears



High-Strength
Material



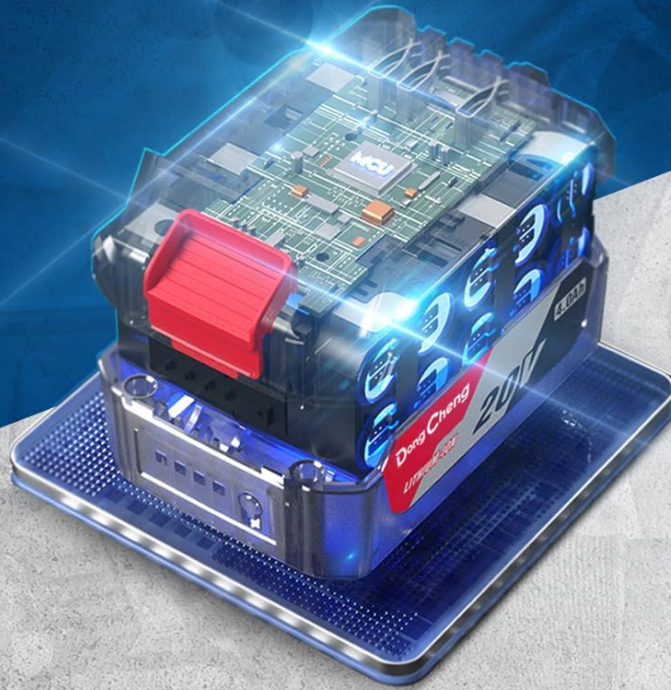
Reliable
Operation



A user demonstrating a grinding operation on a metal surface.

LONG-LASTING POWER

Up to **65** cuts of ϕ **0.5**in rebar in Full Charge



20V MAX

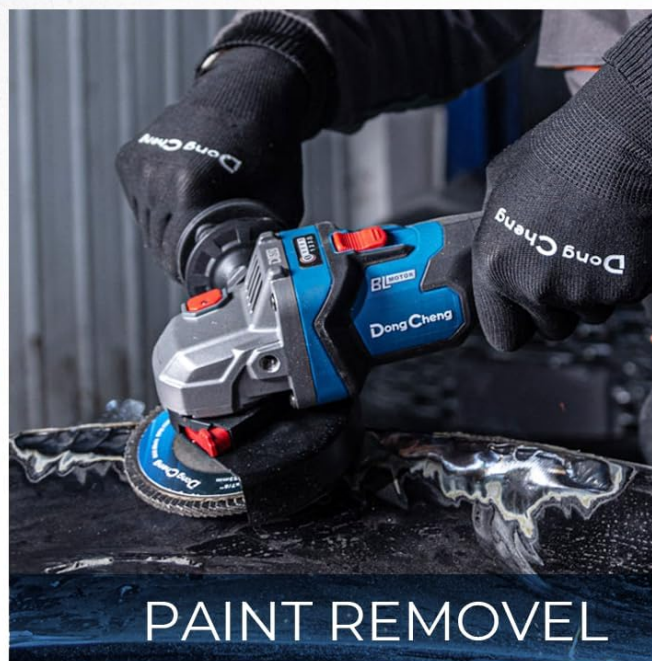
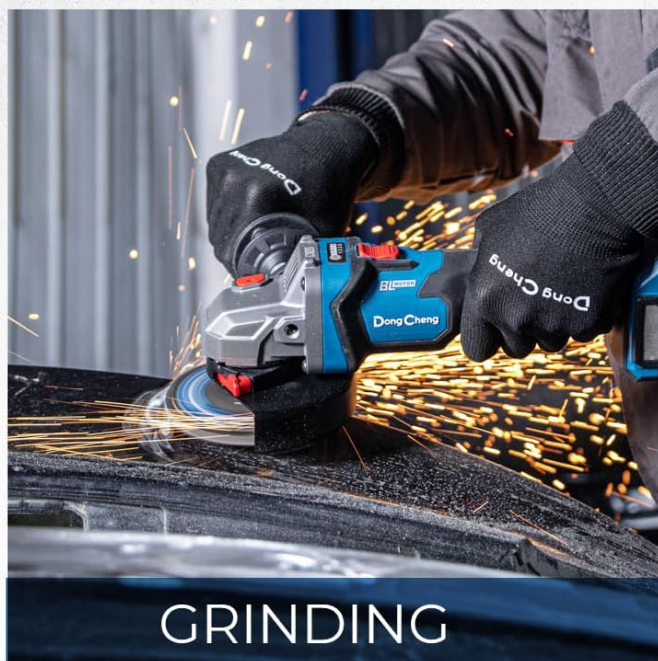
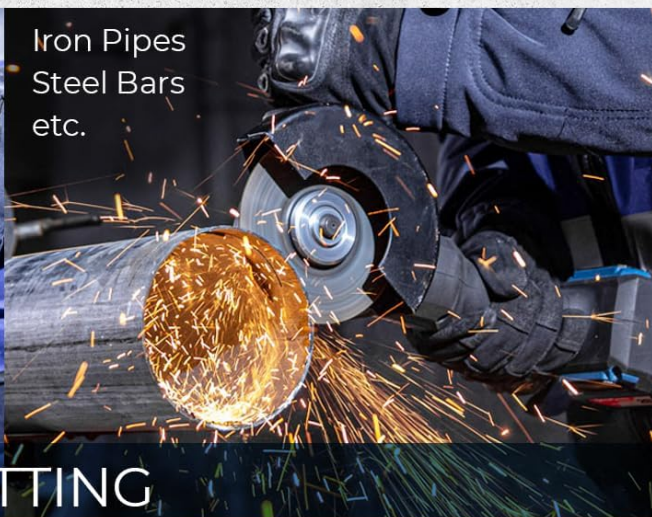
Powerful

85+

Compatible
Models

A user performing a cutting operation on metal, generating sparks.

USED FOR MULTIPLE APPLICATION



A user polishing a surface with the angle grinder for a smooth finish.

USED FOR MULTIPLE APPLICATION



Visual examples of the angle grinder's versatility across cutting, grinding, and polishing applications.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your angle grinder.

Cleaning

After each use, disconnect the battery and clean the tool. Use a soft brush or compressed air to clear dust and debris from the ventilation ports and around the spindle. The detachable filter and advanced cooling system help prevent dust buildup, but regular cleaning is still recommended.



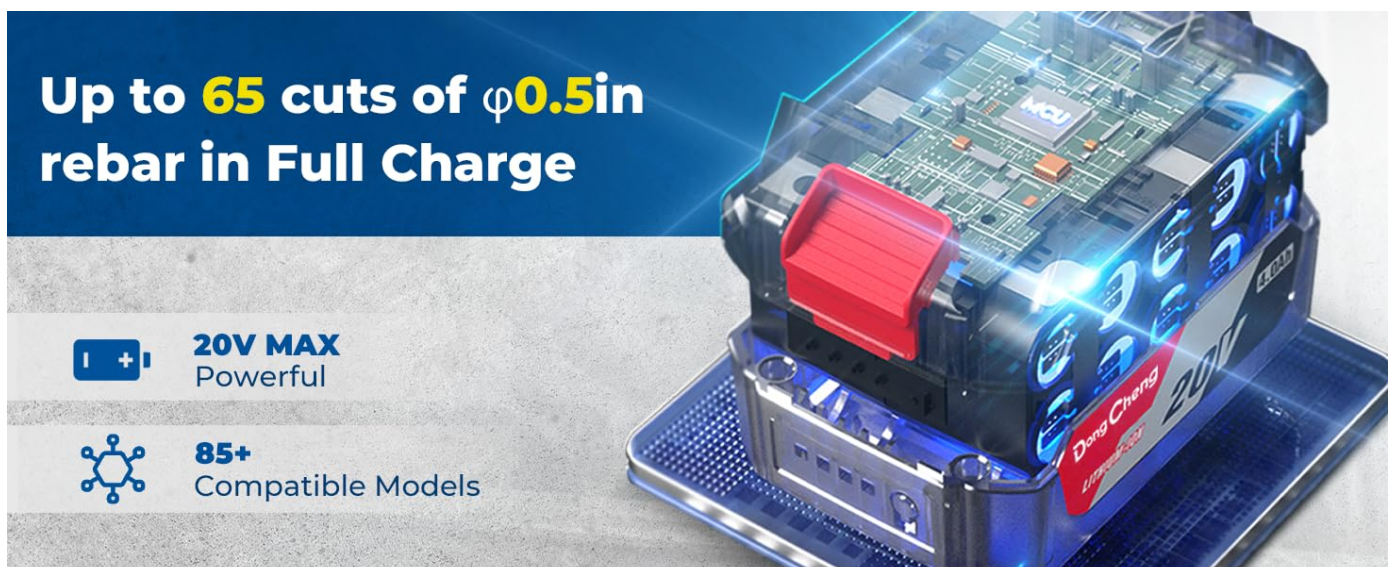
Diagram illustrating the detachable filter and cooling system designed for effective dust prevention.

Disc Replacement

Regularly inspect discs for wear, cracks, or damage. Replace worn or damaged discs immediately to prevent accidents and ensure optimal performance. Follow the disc installation instructions when replacing.

Battery Care

Charge the 4.0Ah Li-ion battery using the provided 2A fast charger. Do not expose the battery to extreme temperatures or moisture. Store the battery in a cool, dry place when not in use. The battery is compatible with other 20V tools from the Dong Cheng brand.



Information on the 4.0Ah battery capacity and its long-lasting power.

TROUBLESHOOTING

- **Tool not starting:** Ensure the battery is fully charged and properly installed. Check the power switch position.
- **Reduced power or performance:** The battery may be low; recharge it. Ensure the correct disc is used for the application.
- **Overheating:** Allow the tool to cool down. Ensure ventilation ports are clear of debris. Avoid continuous heavy-duty use without breaks.
- **Excessive vibration:** Check that the disc is correctly installed and not damaged. Ensure the flanges are tightened securely.

If issues persist, refer to the warranty and support section for further assistance.

SPECIFICATIONS

Feature	Specification
Brand	Dong Cheng
Model Number	DCSM04-115
Power Source	Battery Powered (20V DC)
Motor Type	Brushless
Wattage	1000 Watts
Maximum Rotational Speed	9000 RPM
Adjustable Speeds	3-Stage (4000/6000/9000 RPM)
Disc Diameter	4-1/2 inches
Battery Capacity	4.0Ah Li-ion
Item Weight	2.5 Kilograms
Material	Metal

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or contact Dong Cheng customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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