

Dcreate Dcreate-757

Dcreate Spot Welder User Manual

Model: Dcreate-757 | Brand: Dcreate

1. INTRODUCTION

Thank you for choosing the Dcreate LCD 99 Gear Adjustable Handheld Spot Welder. This portable device is designed for efficient and precise spot welding of nickel-plated sheets, ideal for 18650 lithium battery assembly, cell phone repair, and electric car repair. Featuring an intuitive LCD display and both automatic and manual operating modes, it offers versatility and ease of use for both professional and amateur users.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the spot welder to prevent injury or damage to the device.

- Always wear appropriate personal protective equipment, including safety glasses, to protect your eyes from sparks.
- Ensure adequate ventilation in your workspace to disperse any fumes.
- Do not operate the device in wet conditions or near flammable materials.
- Keep the device out of reach of children and pets.
- Handle batteries with care. Do not short-circuit batteries or attempt to weld damaged batteries.
- Disconnect the device from power when not in use or during maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Dcreate Handheld Spot Welder
- 1 x 2-meter Nickel Roll
- 1 x Sandpaper
- 1 x Type-C Charging Cable
- 1 x Pen Cap
- 2 x Copper Pins (Welding Needles)



Figure 3.1: Included accessories with the Docreate Spot Welder.

4. PRODUCT OVERVIEW

The Docreate Spot Welder is a compact and powerful tool designed for precision welding tasks.

4.1. Key Features

- **Portable Design:** Lightweight and compact, ideal for both indoor and outdoor use.
- **LCD Display:** Provides real-time information including temperature, mode, preheat time, trigger time, power level, and battery status.
- **99 Adjustable Gears:** Allows for precise control over welding parameters to suit various materials and thicknesses.
- **Dual Pulse Technology:** Ensures strong and reliable welds.
- **Auto/Manual Modes:** Offers flexibility in operation.



Figure 4.1: The LCD display showing various settings and indicators.



Figure 4.2: The compact and integrated design of the spot welder.

5. SETUP

5.1. Charging the Device

Before first use, fully charge the spot welder using the provided Type-C charging cable. Connect the cable to the device's Type-C port and a compatible USB power adapter (not included).



Figure 5.1: Connecting the Type-C charging cable to the spot welder.

5.2. Power On/Off

Press and hold the power button on the side of the device to turn it on or off. The LCD screen will illuminate upon power-on.

6. OPERATING INSTRUCTIONS

The spot welder offers both automatic and manual modes for different welding preferences.

6.1. Mode Selection

The device allows switching between Automatic and Manual modes. Use the controls on the device to navigate the LCD menu and select your desired mode.

6.2. Automatic Mode

In Automatic Mode, simply place both welding pins firmly on the desired welding position. The device will automatically detect contact and initiate the weld after a set delay time. Ensure the welding pins are inclined at

an angle of 45°-60° to the welding surface for optimal results.

6.3. Manual Mode

In Manual Mode, you have direct control over the welding trigger. Adjust parameters via the LCD display. Place both welding pins firmly on the desired welding position, ensuring a 45°-60° inclination. Then, press the welding button on the side of the device to initiate the weld.



Figure 6.1: Switching between modes and recommended welding angle.

6.4. Adjusting Welding Gears (Power Level)

The spot welder features 99 adjustable gears to control the welding power. Higher gear numbers correspond to higher power. Adjust the gear setting via the LCD display to match the thickness of the nickel-plated sheets you are welding (0.1mm to 0.25mm).

99 SPEED ADJUSTABLE

Handheld spot welder

Easy welding of 0.1-0.25mm thick nickel plates

Make the perfect battery pack

	◀ 1.0-9.0	Gear	1
	◀ 10.0-19.0	Gear	2
	◀ 20.0-29.0	Gear	3
	◀ 30.0-39.0	Gear	4
	◀ 40.0-49.0	Gear	5
	◀ 50.0-59.0	Gear	6
	◀ 60.0-69.0	Gear	7
	◀ 70.0-79.0	Gear	8
	◀ 80.0-89.0	Gear	9
	◀ 90.0-99.0	Gear	10



Figure 6.2: Guide for adjusting welding gears based on nickel sheet thickness.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your spot welder.

- **Cleaning:** Regularly wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Electrode Care:** The copper pins (electrodes) are replaceable. If they become worn or oxidized, gently sand them with the provided sandpaper or replace them to ensure good electrical contact.
- **Storage:** Store the spot welder in a cool, dry place away from direct sunlight and moisture.
- **Battery:** For long-term storage, ensure the battery is partially charged (around 50%) to preserve its lifespan.

8. TROUBLESHOOTING

If you encounter issues with your spot welder, refer to the following common problems and solutions:

- **Device not turning on:** Ensure the battery is charged. Connect the Type-C charging cable and allow it to charge for some time before attempting to power on again.
- **Weak or inconsistent welds:**
 - Check the battery level; a low battery can affect welding power.
 - Increase the gear (power) setting.
 - Ensure the welding pins are clean and have good contact with the nickel sheet and battery terminal. Sand the tips if necessary.
 - Verify the welding angle (45°-60°) and apply firm, even pressure.
- **Overheating:** The device has an intelligent internal temperature detection system. If it overheats, it may temporarily shut down. Allow it to cool down before resuming operation.
- **LCD display issues:** If the display is not functioning correctly, try restarting the device. If the problem persists, contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	Dcreate
Model Number	Dcreate-757
Item Weight	9.9 ounces
Product Dimensions	7.72 x 1.62 x 1.62 inches
Color	Spot Welder, 99 Gears
Power Source	Battery Powered
Wattage	4.2 Milliwatts
Welding Thickness	0.1-0.25mm (nickel-plated sheets)
Adjustable Gears	99

10. WARRANTY AND SUPPORT

Dcreate products are manufactured to the highest quality standards. For warranty information, technical support, or any inquiries regarding your spot welder, please contact Dcreate customer service through the retailer's platform or the official Dcreate website. Please have your model number (Dcreate-757) and purchase details ready when contacting support.