



CLS400/CLS500 20V Cordless Nail Gun

User Manual

[Revision 1.0 October 2016]

RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

Safety

Read and understand all safety warnings before using the tool.

- Avoid dangerous environments. 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 dust or fumes.
- Keep the tool and all components away from children.
- Keep children and bystanders away while operating power tools.
- Before each use, check the safety contact pin and firing mechanisms are operating correctly.
- Keep the work area clean and well lit
- Keep the tool pointed away from yourself and others at all times. Keep hands and body parts away from moving parts and use safety guards.
- Do not allow persons unfamiliar with the tool or its operation to use the tool.
- Use safety equipment. Always wear eye and ear protection. Safety equipment such as dust mask, non-skid safety shoes and hard hat should be used in appropriate conditions.
- Power tool plugs must match the power outlets. 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.
- When operating power tools outdoors, use only extension cords suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- Do not abuse the power cord. Never use the power cord for carrying, pulling or unplugging the power tool.
- Disconnect power from the tool before unplugging, when not in use, before servicing, making adjustments, storing, or when changing accessories such as nails, etc.
- Do not keep the trigger or safety depressed whilst loading fasteners – the unintentional firing of a fastener could cause serious personal injury.
- Do not attempt to fire fasteners if the nails/staples are jammed. This will cause damage to the driver blade or other parts.
- Do not attempt to drive fasteners into hard surface such as rock, concrete, masonry, bricks or steel. Personal injury or damage to the power tool may result.
- Do not drive fasteners close to the edge of the work piece.
- Do not drive fasteners on top of other fasteners.
- Only use parts and accessories recommended by manufacturer.
- Do not modify any part of the tool or its safety mechanisms.

Battery and Charging Safety

- Use only with the batteries and battery charger specified by the manufacturer.
- Ensure the power switch is in the OFF position before inserting the battery pack.
- Do not open the battery – danger of short-circuiting.
- Do not attempt to destroy or disassemble battery pack or remove any of its components.

- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – protect the battery against heat; for example, direct sunlight and fire.
- Explosion hazard – do not short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under abusive conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, flush with clean water for at least 10 minutes, then seek immediate medical attention. Liquid ejected from the battery may cause irritation or burns.
- Care when charging. Make sure cord for the battery charger is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress. Do not operate the battery charger if it has a damaged cord or plug.
- Battery recycling and disposing. All batteries must be recycled or disposed of properly (see section on Environment).
- Dispose of non-serviceable batteries in an environmentally responsible manner.

Servicing

- 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.

Intended Use

- The machine is intended for fastening cardboard, insulating material, fabric, foils, leather and similar materials to wood or materials similar to wood. The machine is not suitable for the attachment of wall anchors or any fastener not specified.

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Parts Identification



No.	Name	No.	Name
1	Driving Cylinder	7	Battery
2	Trigger	8	LED Lamp
3	Firing Mode Switch	9	Depth Adjustment Wheel
4	LED Indicator	10	Low Fastener Indicator
5	Magazine (release lever on other side)	11	Belt Hook
6	Safety Contact Tip		

Batteries and Battery Charging

NOTE: Batteries for this tool are supplied in a low-charge condition for shipping reasons. • A battery that is new or has not been used for a long period does not charge to full capacity until after approximately 5 charge/discharge cycles. • Do not recharge batteries after using them if they are not to be used for an extended period of time. • Recharge batteries only as and when required. • If the battery is warm after use, allow it to cool before charging, otherwise it may not fully charge.

The battery packs are built to the highest quality standards and can be recharged again and again. However, rechargeable batteries eventually need to be replaced. A significantly reduced working period after charging indicates that the battery is no longer serviceable and should be replaced. Discard old batteries in an environmentally responsible manner.

LED Indicator

The battery charger has a charge status LED indicator:

- **Red** - Battery charging.
- **Green** - Battery fully charged.

1. Plug the battery charger power supply into an electrical outlet and switch on.
2. Slide the battery fully into the battery charger. The indicator LED on the battery charger will be red to show the battery is charging. The indicator will become green when the battery is fully charged (approximately 1 to 1.5 hours).
3. When the battery is fully charged, unplug the charger from power supply and remove the battery pack.



Inserting and Removing the Battery Pack

Insert the battery pack into the grip until it “clicks” into place.

To remove the battery pack, press and hold the lock button down and simultaneously pull the battery from of the tool.



LED Lighting

2 LED lamps automatically activate when the machine is being used or the manual switch is pressed. The lamps turn off automatically after approximately 30 seconds if the machine is not being used.

Before Use - Check the Contact Safety Pin and Trigger Mechanism

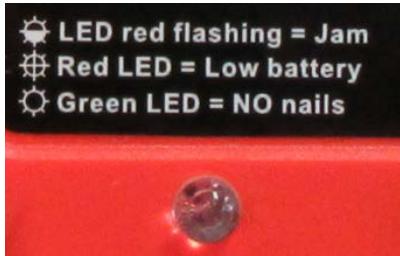


Before using the tool, perform the following procedure to ensure that the contact firing safety mechanism is operating correctly. If it is not, do NOT use the tool – have it inspected and repaired by an authorized service center or technician.

1. Remove the battery from the tool.
2. Remove all staples or nails from the magazine.
3. Push the safety contact pin in, then release it – it should immediately return to the fully extended position.
4. Pull the trigger, then release it – it should immediately return to the un-pulled position.
5. Load the staples or nails to the magazine.
6. Place the tool in “single firing” mode.
7. Install the battery.
8. Place the safety contact pin on the work piece and press the machine down to push the contact pin in without pulling the trigger, the machine should not fire.
9. Take the machine from the work-piece, the safety contact pin should immediately return to the fully extended position. Pull the trigger, The machine should not fire.
10. Place the safety contact pin on the work piece and press the machine down to push the safety contact pin in, then pull the trigger, the machine should fire.

Tool Status Indicators

The tool has a status LED indicator:



- **Red** - [Battery requires charging.](#)
- **Red Flash** - [Fastener jam – remove jammed fasteners.](#)
- **Green** – [No fasteners – load fasteners.](#)

Loading Fasteners



Do not load fasteners of different lengths. • Do not load both staples and nails together.

NOTE: When the number of fasteners in the magazine is less than 10, the low fastener indicator on the magazine starts becoming visible. When no fasteners are in the magazine the low fastener indicator is fully visible and the LED is green.

1. Remove battery from the tool.
2. Press the magazine release lever and pull out the magazine cover.
3. Tilt the tool and place fasteners into the track of the magazine.
4. Make sure that the fasteners are placed correctly:
 - Load staples against the profiled side of the rail, with the crown of the staples in the uppermost part of the magazine, with the legs facing away from the body of the tool.
 - Load nails against the profiled side of the rail, with the points of the nails facing away from the body of the tool and against the bottom of the magazine.
5. Close the magazine cover until it engages with the locking mechanism.
6. Install the battery.



Loading Nails



Loading Staples

Nailing and Stapling



Do not keep the trigger pulled when the machine is not in use or modify the trigger to remain pulled after you release it.

NOTE: Check that the fasteners are loaded correctly into the magazine. • Make sure the battery is fully charged. • Always hold the tool firmly and parallel to the work piece so that the fasteners are driven in at 90° to the work surface.



The tool has two modes of operation – “single firing” and “contact firing”. The mode determines how the tool is triggered. Single firing is good for precision placement of fasteners . Contact firing is good for rapid fastening. The firing mode is selected using the firing mode switch.



Single Firing Mode

1. Place the mode switch in the **Single Firing** position.
2. Press the safety contact pin against the work piece so the safety contact pin is pushed in.
3. Pull the trigger to fire the fastener.
4. Release the trigger and lift the tool from the work piece so the safety contact pin extends.
5. Repeat 2 to 4 for each fastener.

Contact Firing Mode

1. Place the mode switch in the **Contact Firing** position.
2. Pull the trigger and keep it pulled (the tool will not fire at this stage).
3. Press the safety contact pin against the work piece so the safety contact pin is pushed in. The tool will fire.
4. Lift the tool from the work piece (with trigger still pulled).
5. Repeat steps 3 to 4 for each fastener.

Depth Adjustment

Depth adjustment helps protect work surface and allows proper setting of nail heads.

Turn the depth adjustment wheel towards  to drive the fastener deeper into the work surface.



Turn the wheel towards  to reduce the depth that the fastener is driven into the work surface.

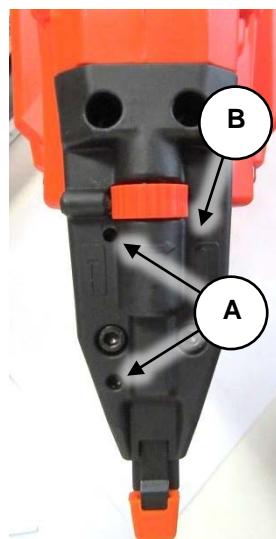
Removing Jammed Fasteners



You must remove jammed fasteners before using the tool any further, otherwise personal injury and/or damage to the tool may result.

A fastener jam will prevent the tool from operating normally. A fastener jam is shown by a flashing red indicator LED. To remove jammed fasteners:

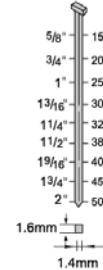
1. Remove the battery from the tool.
2. Open the magazine, and remove the fasteners.
3. For the jammed fasteners, attempt to remove them with pliers or similar, however, do not use excessive force. If it is not possible to remove the fasteners directly:
4. Loosen the two screws (A) holding the fastener drive plate in position using the supplied Allen key. These screws are hidden beneath the cover (B), however, the heads can be accessed with the cover in place. Do not completely remove the screws.
 - a. With the fastener drive plate loose it should be possible to easily remove the jammed fasteners.
 - b. Tighten the fastener drive plate screws.
4. After removing the jammed fasteners, load the magazine, close it and insert the battery.



Technical Specifications

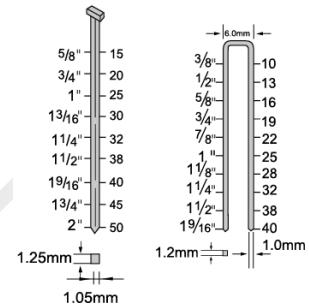
CLS400

Battery Charger Input Voltage	100 to 240VAC, 50/60Hz
Input Voltage	20VDC
Firing Speed	Rated @ 30 nails/min; max. 60 nails/min
Nail Magazine Capacity	Holds up to 100 nails
Nail Length	15 to 50mm 16-gauge nail
Overall Dimensions:	292 x 259 x 94mm



CLS500

Battery Charger Input Voltage	100-240VAC, 50/60Hz
Input Voltage	20VDC
Firing Speed	Rated @ 30 nails/min; max. 60 nails/min
Nail Magazine Capacity	100 nails/staples
Nail Length	15 to 50mm 18-gauge brad nail
Staple Length	40mm 18-gauge light duty staple
Overall Dimensions:	292 x 259 x 94mm





Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.

