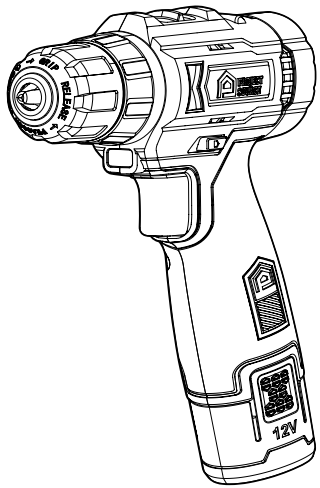
ITEM #9142647
MODEL #CD321S-120

3/8-IN. 12V CORDLESS DRILL/DRIVER

ATTACH YOUR RECEIPT HERE

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Serial Number _____

Purchase Date _____

Thank you for purchasing the PROJECT SOURCE product.
Questions, problems or missing parts?
Before returning, contact us on:
866-389-8827, 8 a.m. - 8 p.m., EST, Monday - Sunday.

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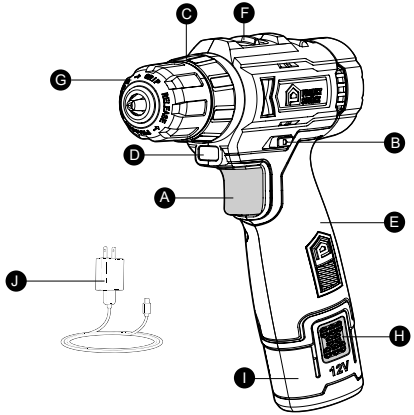
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PRODUCT SPECIFICATIONS

SPECIFICATIONS	
Rated Voltage	12 V d.c.
No-load Speed	0-400/0-1,500 /min
Torque	18+1
Max Clamping	3/8 in.
Work Capacity	Wood 5/8 in. Steel 15/64 in.
Battery Pack Model	BAT200-120
Battery Type	Lithium
Battery Voltage	12 V ⎓
Battery Pack Rated Capacity	2.0 Ah 24 Wh
Battery Charger Model	WJ-Y300502000W

PACKAGE CONTENTS



Part	Description	Quantity	Part	Description	Quantity
A	On/off switch	1	F	Gear selector	1
B	Direction-of-rotation selector	1	G	Keyless chuck	1
C	Torque-adjustment ring	1	H	Battery pack release button	2
D	Led work light	1	I	Battery pack	1
E	Handle	1	J	Charger	1

⚠ WARNING

- Remove the tool from the package and examine it carefully. Do not discard the carton or any packaging material until all parts have been examined.
- If any part of the tool is missing or damaged, do not attach the battery pack or use the tool until the part has been repaired or replaced. Failure to heed this warning could result in serious injury.

⚠ SYMBOLS

Intended Use

This 3/8 inch 12V cordless drill/driver is designed exclusively for **light-duty drilling and screw driving applications** in residential, hobby and light workshop environments.

- Drilling holes in wood, plastic, drywall, soft masonry and thin sheet metal with compatible drill bits.
- Driving and removing standard wood screws, sheet metal screws, drywall screws and small machine screws using screwdriver bits.
- For indoor and occasional outdoor light household DIY tasks only.
  This power tool is intended for consumer / hobby use only. It is NOT suitable for continuous commercial, industrial, heavy-duty construction or professional high-volume operation.
  Do not use for mixing concrete, grinding, chiseling, or any applications outside drilling and fastening

⚠ SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product more safely and effectively.

SYMBOLS	EXPLANATION
	TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL.
	KEEP BYSTANDERS AWAY.
	DO NOT EXPOSE TO RAIN.
	CHARGE THE BATTERY ONLY INDOORS.
	DISCONNECT BATTERY BEFORE MAINTENANCE.
	WEAR EYE PROTECTION.
	WEAR HEARING PROTECTION.
	SGS US Q-MARK (801852): THIRD-PARTY SAFETY CERTIFICATION BY SGS NRTL, COMPLIANT WITH US POWER TOOL SAFETY STANDARDS FOR US MARKET ACCESS.

⚠ SAFETY INFORMATION

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOLS	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

⚠ WARNING

- To avoid serious personal injury, do not attempt to use this product until you have read this owner's manual thoroughly and understand it completely. If you do not understand the warnings and instructions in this owner's manual, do not use this product. Call **866-389-8827** for assistance.
- 
  The operation of any product can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before operating a product, always wear safety goggles, safety glasses with side shields, or a full-face shield when needed. A Wide Vision Safety Mask is recommended for use over eyeglasses or standard safety glasses with side shields. Always use eye protection that is marked to comply with ANSI Z87.1.

⚠ SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product.

General Product Safety Warnings

⚠ WARNING

- The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power-tool operation, always wear safety goggles or safety glasses with side shields and a full-face shield, when needed. It is recommended to use a wide vision safety mask over eyeglasses or standard safety glasses with shields. Always use eye protection marked to comply with ANSI Z87.1.
- Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

– Lead from lead-based paints
– Crystalline silica from bricks, cement, and other masonry products
– Arsenic and chromium from chemically-treated lumber

⚠ SAFETY INFORMATION

- Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:
– Work in a well-ventilated area.
– Work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.
– Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth or eyes or to lie on the skin may promote absorption of harmful chemicals.

Know the Tool

To operate this tool, carefully read this manual and all labels affixed to the tool before using it. Keep this manual available for future reference.

Important

This tool should only be serviced by a qualified service technician.

Read All Instructions Thoroughly

General Power Tool Safety Warnings

⚠ WARNING

- **Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work Area Safety

- **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- **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.*
- **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

Electrical Safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce the risk of electric shock.*
- **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.*
- **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

⚠ SAFETY INFORMATION

- **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.*
- **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.*
- **If operating a power tool in a damp location is unavoidable, use a ground-fault circuit interrupter (GFCI) protected supply.** *Use of a GFCI reduces the risk of electric shock.*

Personal Safety

- **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.*
- **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.*
- **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.*
- **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.*
- **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- **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.*
- **If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.** *Use of these devices can reduce dustrelated hazards.*
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

Power Tool Use and Care

- **Do not force the power tool. Use the correct power tool for your application.** *correct power tool will do the job better and safer at the rate for which it was designed.*
- *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.*
- **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.*
- **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.*
- **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.

- **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- **Use the power tool, accessories, tool bits, etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

Battery Tool Use and Care

- **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*
- **Do not use a BATTERY pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, EXPLOSION or risk of injury.**
- **Do not expose a BATTERY pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.**
- **Follow all charging instructions and do not charge the BATTERY pack or tool outside the temperature range specified in the instructions. Charging improperly or at ttemperatures outside the specified range may damage the BATTERY and increase the risk of fire.**

Service

- **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.*
- **Never service damaged BATTERY packs. Service of BATTERY packs should only be performed by the manufacturer or authorized service providers.**

Drill safety warnings

- **Safety instructions for all operations**

  a) Wear ear protectors when impact drilling. Exposure to noise can cause hearing loss.

  b) Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fasteners may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

- **Safety instructions when using long drill bits**

⚠ SAFETY INFORMATION

a) Never operate at higher speed than the maximum speed rating of the drill bit. At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece,resulting in personal injury.
b) Always start drilling at low speed and with the bit tip in contact with the workpiece. At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
c) Apply pressure only in direct line with the bit and do not apply excessive pressure. Bits can bend causing breakage or loss of control, resulting in personal injury.

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work.

To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water.

Allowing dust to get into your mouth or eyes or to lie on the skin may promote absorption of harmful chemicals.

⚠ WARNING (PROPOSITION 65)

California Proposition 65 Warning
This product may contain chemicals like lead (found in battery terminals or solder) ,cadmium, or phthalate which are known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information, go to www.P65Warnings.ca.gov.

FCC SAFETY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

PREPARATION

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you still have questions or an unresolved issue after going through this troubleshooting guide, or just want to speak to a PROJECT SOURCE product expert, please call our PROJECT SOURCE customer service department at **866-389-8827.**

PREPARATION

Know Your Cordless Drill

Before attempting to use the cordless drill, familiarize yourself with all of its operating features and safety requirements.

Helpful tool (not included)

⚠ WARNING

- Do not allow familiarity with the cordless drill to cause carelessness. Remember that one careless moment is enough to cause severe injury. Before attempting to use any tool, be sure to become familiar with all of the operating features and safety instructions.
- Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

Exposure to fire or temperature above 130 °C (265°F) may cause explosion.

- **Follow all charging instructions and do not charge the battery pack or product outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

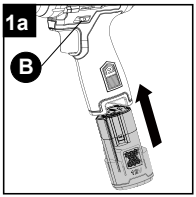
Use only PROJECT SOURCE 12-volt batteries (BAT200-120).
Use only PROJECT SOURCE 12-volt chargers (WJ-Y300502000W).

WARNING: Do not continue to press the On/Off Switch after the machine has been automatically switched off. The battery could be over-discharged.

Store the battery only within a temperature range between 32°F(0 °C) and 113°F(45 °C). As an example, do not leave the battery in the car in summer time.A significantly reduced working perio; d after charging indicates that the battery is used and must be replaced.

WARNING: Risk of fire and burns.Do not open. Crush.Heat above 212°F(100 ° C), or incinerate, follow manufacturer's instructions,store indoors.Risk of electric shock,fire or injury to persons. No user serviceable parts inside.Room temperature 41°F-104°F(5 °C-40 °C)while charging.
(Operating Temperature)Discharging -4°F ~ 176°F(-20 °C ~80 °C)

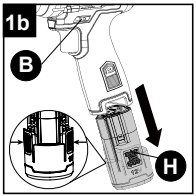
1a. To Attach Battery Pack



a. Place the direction-of-rotation selector (B) in the center (locked) position.
b. Align the raised portion on the battery pack with the grooves on the bottom of the tool, then slide the battery pack onto the tool, as shown.
c. Ensure that the battery-release buttons on the battery pack snap into place and the battery pack is secured to the tool before beginning operation.

NOTICE: When placing the battery pack on the tool, be sure that the raised rib on the battery pack aligns with the groove on the tool and the latches snap into place properly. Improper assembly of the battery pack can cause damage to internal components.

1b. To Detach Battery Pack

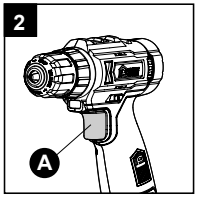


a. Place the direction-of-rotation selector (B) in the center (locked) position.
b. Press the battery release buttons (H) from both sides. This will cause the battery pack to rise out of the product.
c. Pull forward on the battery pack to remove it from the tool.

WARNING

- Battery tools are always in operating condition. Therefore, the direction-of-rotation select or should always be locked (center) when the tool is not in use or when carrying the tool at your side.

2. Variable-Speed Trigger Switch

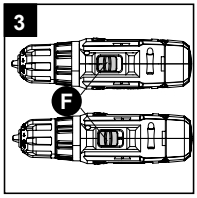


a. To turn the cordless drill ON, depress the variable-speed trigger switch (A).
b. To turn it OFF, release the variable-speed trigger switch.
c. The variable-speed trigger switch delivers higher speed with increased trigger pressure and lower speed with decreased trigger pressure.

Electric Brake

The cordless drill is equipped with an electric brake. When the variable-speed trigger switch (A) is released, the electric brake engages automatically to quickly stop rotation.

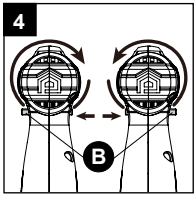
3. Two-Speed Gear Box



a. The drill/driver has a two-speed gear box designed for drilling or driving at two different variable-speed ranges. A gear selector (F) is located on the top of the drill/driver to select either 1 (Low) or 2 (High) speed.
b. When set to 1, the drill/driver will deliver lower speeds and increased power and torque.
c. When set to 2, the drill/driver will deliver higher speeds and reduced power and torque.
d. Use 1 for high power and high torque applications and 2 for fast drilling or driving applications.
e. Use 1 for starting holes without a center punch,drilling metals, plastics or ceramics, or in applications that require a higher torque.
f. 2 is better for drilling wood and wood composites and for using abrasive and polishing accessories.

4. Direction-of-Rotation Selector (Forward/Center Lock/Reverse)

The direction of bit rotation is reversible and is controlled by a selector located above the trigger switch. With the cordless drill held in the normal operating position, pointing away from you:

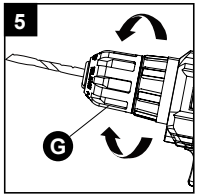


a. Position the direction-of-rotation selector (B) to the left of the tool for forward rotation.
b. Position the direction-of-rotation selector to the right of the tool for reverse rotation.
c. Setting the selector in the center (locked) position helps reduce the possibility of accidental start-up when not in use.

NOTICE: To prevent gear damage, always allow the impact driver to come to a complete stop before changing the direction of rotation.

NOTICE: The cordless drill will not operate unless the direction -of-rotation selector is engaged fully to the left or right.

5. Keyless Chuck

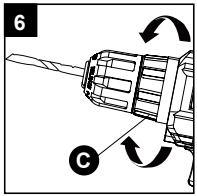


The drill/driver has a keyless chuck (G) to tighten or release drill bits in the chuck jaws. The arrows on the chuck indicate the direction in which to rotate the chuck body in order to GRIP (tighten) or OPEN (release) the chuck jaws on the drill bit.

⚠ WARNING

Do not hold the chuck body with one hand and use the power of the drill/driver to tighten the chuck jaws on the drill bit. The chuck body could slip in your hand,, or your hand could slip and come in contact with the rotating bit. This could cause an accident resulting in serious personal injury.

6. Adjustable Torque Clutch

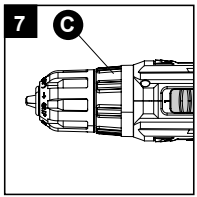


a. The torque clutch can be adjusted to 18 driving settings and 1 drilling setting. The higher the torque setting, the more force the drill/driver produces toturn an object.
b. When using the drill/driver for different driving applications, it is necessary to increase or decrease the torque to help prevent the possibility of damaging screw heads, threads, workpiece, etc.
c. Adjust the torque by rotating the torque-adjustment ring (C). The proper setting depends on the job and the type of bit, fastener, and material you will be using. In general, use greater torque for larger screws. If the torque is too high, the screws may be damaged or broken. For delicate operations, such as removing a partially stripped screw, use a low torque setting. For operations such as driving into hardwood, use a higher torque setting.

1 - 4	for driving small screws	10 - 18	for driving screws into soft and hard material
5 - 9	for driving screws into soft material		for heavy drilling

⚠ CAUTION: Do not change the torque setting when the tool is running.

7. Drill Mode



Select the drill mode for drilling and other heavy-duty applications. To select the drill mode, rotate the torque-adjustment ring (C) until the drill icon aligns with the torque indicator and clicks into position.