

DEWALT®



Instruction Manual

DCF888

20V Max* Tool Connect™ Impact Driver



Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.



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**.



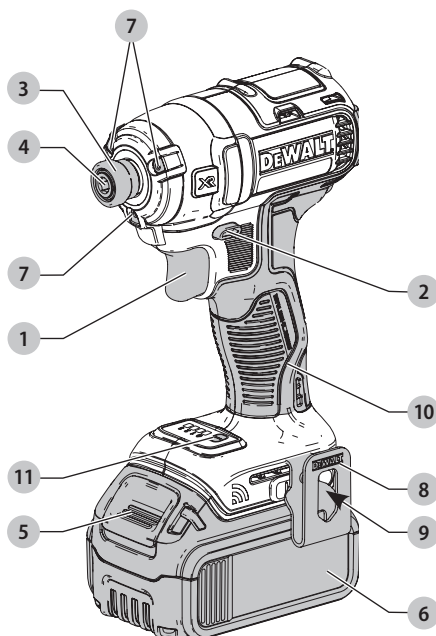
CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.



(Used without word) Indicates a safety related message.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

Fig. A



- 1 Trigger switch
- 2 Forward/reverse button
- 3 Chuck collar
- 4 1/4" (6.35 mm) hex quick-release chuck
- 5 Battery release button
- 6 Battery pack
- 7 Worklight
- 8 Belt hook (optional accessory)
- 9 Mounting screw
- 10 Main handle
- 11 Mode selector button



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



WARNING: To reduce the risk of injury, user must read the instruction manual.

GENERAL POWER TOOL SAFETY

WARNINGS



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

1) Work Area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 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.

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 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.
- 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 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.

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 personal injury.

- b) **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.
- c) **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.
- 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 personal 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 dust collection 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 do the job better and safer at the rate for which it was designed.
- 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 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.
- 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 tool's 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, 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.

5) Battery Tool Use and Care

- a) **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.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **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.
- d) 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.

6) 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.

Additional Specific Safety Rules

- **Hold power tool by insulated gripping surfaces when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- **Wear safety goggles or other eye protection.** Hammering and drilling operations cause chips to fly. Flying particles can cause permanent eye damage.
- **Accessories and tools get hot during operation.** Wear gloves when touching them.
- **Do not operate this tool for long periods of time.** Vibration caused by tool action may be harmful to your hands and arms. Use gloves to provide extra cushion and limit exposure by taking frequent rest periods.

Additional Safety Information

WARNING: ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.



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 and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those 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, eyes, or lay on the skin may promote absorption of harmful chemicals.



WARNING: Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.



WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.









CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

- **Air vents often cover moving parts and should be avoided.** Loose clothes, jewelry or long hair can be caught in moving parts.

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V	volts	SPM	strokes per minute
Hz	hertz	A	amperes
min	minutes	W	watts
==	or DC..... direct current	~	or AC..... alternating current
Ⓢ	..... Class I Construction (grounded)	Ⓢ	or AC/DC..... alternating or direct current
.. /min.....	per minute	Ⓢ	..... Class II Construction (double insulated)
BPM	beats per minute	n ₀	no load speed
IPM	impacts per minute	n	rated speed
RPM	revolutions per minute	Ⓢ	..... earthing terminal
sfpm	surface feet per minute	⚠	..... safety alert symbol

ENGLISH

	..... visible radiation		..... wear hearing protection
	..... wear respiratory protection		..... read all documentation
	..... wear eye protection		..... Tool Connect™ home


BATTERIES AND CHARGERS

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow charging procedures outlined. When ordering replacement battery packs, be sure to include the catalog number and voltage. Your tool uses a DEWALT charger. Be sure to read all safety instructions before using your charger. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

READ ALL INSTRUCTIONS

Important Safety Instructions for All

Battery Packs


 **WARNING:** Read all safety warnings and all instructions for the battery pack, charger and power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.


- **Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery pack from the charger may ignite the dust or fumes.
- **NEVER force the battery pack into the charger. DO NOT modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.** Consult the chart at the end of this manual for compatibility of batteries and chargers.
- Charge the battery packs only in designated DEWALT chargers.
- **DO NOT splash or immerse in water or other liquids.**
- **Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104 °F (40 °C) (such as outside sheds or metal buildings in summer).** For best life store battery packs in a cool, dry location.
NOTE: Do not store the battery packs in a tool with the trigger switch locked on. Never tape the trigger switch in the ON position.

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical


attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.

- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.

 **WARNING:** Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

 **WARNING:** Fire hazard. Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into the charger. Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to the service center for recycling.

Transportation

 **WARNING:** Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals. For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc. **Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand tools and the like.** The US Department of Transportation Hazardous Material Regulations (HMR) actually prohibit transporting batteries in commerce or on airplanes in carry-on baggage UNLESS they are properly protected from short circuits. So when transporting individual battery packs, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

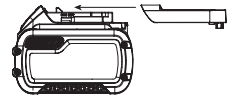
Shipping the DEWALT FLEXVOLT™ Battery

The DEWALT FLEXVOLT™ battery has two modes: **Use** and **Shipping**.

Use Mode: When the FLEXVOLT™ battery stands alone or is in a DEWALT 20V Max* product, it will operate as a 20V Max* battery. When the FLEXVOLT™ battery is in a 60V Max* or a 120V Max* (two 60V Max* batteries) product, it will operate as a 60V Max* battery.

Shipping Mode: When the cap is attached to the FLEXVOLT™ battery, the battery is in Shipping Mode. Strings of cells are electrically disconnected within the pack resulting in three batteries with a lower Watt hour (Wh) rating as compared to one battery with a higher Watt hour rating. This increased quantity of three batteries with the lower Watt hour rating can exempt the pack from certain shipping regulations that are imposed upon the higher Watt hour batteries.

The battery label indicates two Watt hour ratings (see example). Depending on how the battery is shipped, the appropriate Watt hour rating must be used to determine



the applicable shipping requirements. If utilizing the shipping cap, the pack will be considered 3 batteries at the Watt hour rating indicated for "Shipping". If shipping without the cap or in a tool, the pack will be considered one battery at the Watt hour rating indicated next to "Use".

Example of Use and Shipping Label Marking

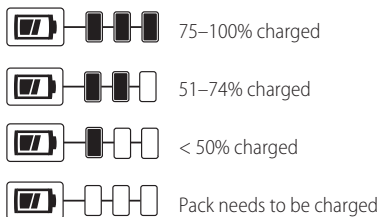
USE: 120 Wh Shipping: 3 x 40 Wh

For example, Shipping Wh rating might indicate 3 x 40 Wh, meaning 3 batteries of 40 Watt hours each. The Use Wh rating might indicate 120 Wh (1 battery implied).

Fuel Gauge Battery Packs (Fig. B)

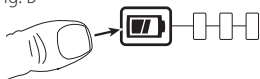
Some DeWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

The fuel gauge is an indication of approximate levels of charge remaining in the battery pack according to the following indicators:



To actuate the fuel gauge, press and hold the fuel gauge button. A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

Fig. B



NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

The RBRC® Seal

The RBRC® (Rechargeable Battery Recycling Corporation) Seal on the nickel cadmium, nickel metal hydride or lithium-ion batteries (or battery packs) indicates that the costs to recycle these batteries (or battery packs) at the end of their useful life have already been paid by DeWALT. In some areas, it is illegal to place spent nickel cadmium, nickel metal hydride or lithium-ion batteries in the trash or municipal solid waste stream and the Call 2 Recycle® program provides an environmentally conscious alternative.



Call 2 Recycle, Inc., in cooperation with DeWALT and other battery users, has established the program in the United States and Canada to facilitate the collection of spent nickel cadmium, nickel metal hydride or lithium-ion batteries. Help protect our environment and conserve natural resources by returning the spent nickel cadmium, nickel metal hydride or lithium-ion batteries to an authorized DeWALT service center or to your local retailer for recycling. You may also contact your local recycling center for information on where to drop off the spent battery. RBRC® is a registered trademark of Call 2 Recycle, Inc.

Important Safety Instructions for All Battery Chargers



WARNING: Read all safety warnings and all instructions for the battery pack, charger and power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- **DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.**
The charger and battery pack are specifically designed to work together.
- **These chargers are not intended for any uses other than charging DeWALT rechargeable batteries.**
Any other uses may result in risk of fire, electric shock or electrocution.
- **Do not expose the charger to rain or snow.**
- **Pull by the plug rather than the cord when disconnecting the charger.** *This will reduce the risk of damage to the electric plug and cord.*
- **Make sure that the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** *Use of improper extension cord could result in risk of fire, electric shock or electrocution.*
- **When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- **An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety.** *The smaller the gauge number of the wire, the greater the capacity of the cable, that is, 16 gauge has more capacity than 18 gauge. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The lower the gauge number, the heavier the cord.*

Minimum Gauge for Cord Sets

Volts	Total Length of Cord in Feet (meters)					
	120 V	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)	
240 V	50 (15.2)	100 (30.5)	200 (61.0)	300 (91.4)		
Ampere Rating		American Wire Gauge				
More Than	Not More Than					
0	6	18	16	16	14	
6	10	18	16	14	12	
10	12	16	16	14	12	
12	16	14	12	Not Recommended		

- **Do not place any object on top of the charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.** Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.
- **Do not operate the charger with a damaged cord or plug.**
- **Do not operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.** Take it to an authorized service center.
- **Do not disassemble the charger; take it to an authorized service center when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- **Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.** Removing the battery pack will not reduce this risk.
- **NEVER attempt to connect 2 chargers together.**
- **The charger is designed to operate on standard 120V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.



WARNING: Shock hazard. Do not allow any liquid to get inside the charger. Electric shock may result.



WARNING: Burn hazard. Do not submerge the battery pack in any liquid or allow any liquid to enter the battery pack. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service center for recycling.



CAUTION: Burn hazard. To reduce the risk of injury, charge only DeWALT rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.

NOTICE: Under certain conditions, with the charger plugged into the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature, such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil or any buildup of metallic particles should be kept away from the charger cavities. Always unplug the charger from the power supply when there is no

battery pack in the cavity. Unplug the charger before attempting to clean.

Wireless Certifications and Safety Information

- This device is CAN ICES-3(B)/NMB-3(B) compliant.
- This device complies with Part 15 of the FCC rules and Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions:
 - This device may not cause harmful interference, and
 - This device must accept any interference received, including interference that may cause undesired operation.

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 can radiate 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 adaptor.
- Connect the equipment into an outlet on a circuit different from that to which the adaptor is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate the device. This Class B digital apparatus complies with Canadian ICES-003.
- Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
- To comply with FCC and Industry Canada RF radiation exposure limits for general population, the antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter.

For Bluetooth® Products

- When traveling on airlines, be sure to comply with the airline restrictions on usage of personal electronic devices and Bluetooth®.
- The out of range alert feature has been designed to act as an aid to warn against products getting misplaced or stolen. It is not a security system.

- The connectivity range is up to 100 feet (30.5 meters) depending on environment and location.
- The shortwave radio frequency signals of a Bluetooth® device may impair the operation of other electronic and medical devices (such as pacemakers or hearing aids).

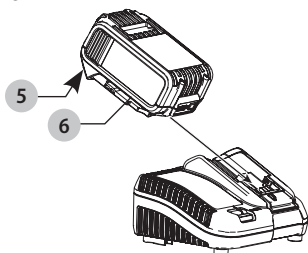
NOTE: The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth®, SIG, Inc. and any use of such marks by DEWALT is under license. Other trademarks and trade names are those of their respective owners.

This product complies with these standards when operated with a 6 foot (1.8 meters) or shorter extension cord.

Charging a Battery (Fig. C)

1. Plug the charger into an appropriate outlet before inserting battery pack.

Fig. C










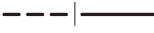
2. Insert the battery pack 6 into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink continuously indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The battery pack is fully charged and may be used at this time or left in the charger. To remove the battery pack from the charger, push the battery release button 5 on the battery pack.

NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

Charger Operation

Refer to the indicators below for the charge status of the battery pack.

DCB107, DCB112, DCB113, DCB115, DCB118, DCB132

	Charging		
	Fully Charged		
	Hot/Cold Pack Delay*		

*DCB107, DCB112, DCB113, DCB115, DCB118, DCB132:

The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery pack by refusing to light or by displaying a problem pack or charger blink pattern.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorized service center.

Hot/Cold Pack Delay

When the charger detects a battery pack that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, suspending charging until the battery pack has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery pack life.

A cold battery pack will charge at a slower rate than a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery pack warms.

The DCB118 charger is equipped with an internal fan designed to cool the battery pack. The fan will turn on automatically when the battery pack needs to be cooled.

Never operate the charger if the fan does not operate properly or if ventilation slots are blocked. Do not permit foreign objects to enter the interior of the charger.

Electronic Protection System

Li-Ion tools are designed with an Electronic Protection System that will protect the battery pack against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the lithium-ion battery pack on the charger until it is fully charged.

Wall Mounting

DCB107, DCB112, DCB113, DCB115, DCB118, DCB132

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 1" (25.4 mm) long, with a screw head diameter of 0.28–0.35" (7–9 mm), screwed into wood to an optimal depth leaving approximately 7/32" (5.5 mm) of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

Charger Cleaning Instructions



WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

Important Charging Notes

1. Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65 °F and 75 °F (18 °C – 24 °C). DO NOT charge the battery pack in an air temperature below +40 °F (+4.5 °C), or above +104 °F (+40 °C). This is important and will prevent serious damage to the battery pack.

ENGLISH

- The charger and battery pack may become warm to the touch while charging. This is a normal condition, and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed or an uninsulated trailer.
- If the battery pack does not charge properly:
 - Check operation of receptacle by plugging in a lamp or other appliance;
 - Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights;
 - Move the charger and battery pack to a location where the surrounding air temperature is approximately 65 °F – 75 °F (18 ° – 24 °C);
 - If charging problems persist, take the tool, battery pack and charger to your local service center.
- The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse effect on the battery pack.
- Foreign materials of a conductive nature such as, but not limited to, grinding dust, metal chips, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before attempting to clean.
- Do not freeze or immerse the charger in water or any other liquid.

Storage Recommendations

- The best storage place is one that is cool and dry, away from direct sunlight and excess heat or cold.
- For long storage, it is recommended to store a fully charged battery pack in a cool dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

COMPONENTS (FIG. A)

 **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

Refer to Figure A at the beginning of this manual for a complete list of components.


INTENDED USE


These impact drivers are designed for professional impact screwdriving applications. The impact function makes this tool particularly useful for driving fasteners in wood, metal and concrete.


DO NOT use under wet conditions or in presence of flammable liquids or gases.


This impact driver is a professional power tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Belt Hook (Optional Accessory) (Fig. A)

 **WARNING:** To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/ installing attachments or accessories. An accidental start-up can cause injury. Exception—Tool Connect™ functions and mode adjustments require battery to be installed.

 **WARNING:** Drop Hazard. To reduce the risk of serious personal injury, DO NOT use the belt hook for tethering or securing the tool to a person or object during use when elevated.

 **WARNING:** To reduce the risk of serious personal injury, DO NOT suspend tool overhead or suspend objects from the belt hook. ONLY hang tool's belt hook from a work belt.

 **WARNING:** To reduce the risk of serious personal injury, ensure the screw holding the belt hook is secure.

IMPORTANT: When attaching or replacing the belt hook, use only the screw 9 that is provided. Be sure to securely tighten the screw.

The belt hook 8 can be attached to either side of the tool using only the screw 9 provided, to accommodate left- or right- handed users. If the hook is not desired at all, it can be removed from the tool.

To move belt hook, remove the screw 9 that holds the belt hook in place then reassemble on the opposite side. Be sure to securely tighten the screw.

Precision Drive

In addition to normal impacting modes, this tool features Precision Drive which enables greater control in lighter applications to avoid damage to materials or fasteners. It is ideal for light applications such as cabinet hinge screws or machine screws. Precision Drive will work as a screwdriver in light applications, before hesitating as the screw head reaches the work piece, and then (if required) start a slow controlled impact to ensure the head ends perfectly flush. Precision Drive can be customized using the Tool Connect™ app. Refer to **Mode Selector** table for factory presets.

NOTE: Precision Drive is for light duty screwdriving applications. If the tool will not drive a fastener in Precision Drive mode, please select a different mode that does not have Precision Drive enabled.

Variable Speed Trigger Switch (Fig. A)

To turn the tool on, squeeze the trigger switch 1. To turn the tool off, release the trigger switch. Your tool is equipped with a brake. The chuck will stop when the trigger switch is fully released. The variable speed trigger switch enables you to select the best speed for a particular application. The more you squeeze the trigger, the faster the tool will

operate. For maximum tool life, use variable speed only for starting holes or fasteners.

NOTE: Continuous use in variable speed range is not recommended. It may damage the switch and should be avoided.

Forward/Reverse Control Button (Fig. A)

A forward/reverse control button **2** determines the direction of the tool and also serves as a lock-off button.

To select forward rotation, release the trigger switch and depress the forward/reverse control button on the right side of the tool.

To select reverse, release the trigger switch and depress the forward/reverse control button on the left side of the tool.

The center position of the control button locks the tool in the off position. When changing the position of the control button, be sure the trigger is released.

NOTE: The first time the tool is run after changing the direction of rotation, you may hear a click on start up. This is normal and does not indicate a problem.

Quick-Release Chuck (Fig. A, D, E)

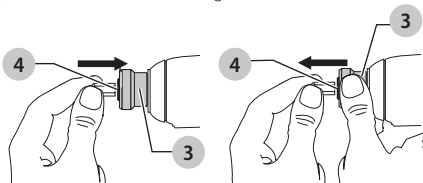
WARNING: Use only impact accessories. Non-impact accessories may break and cause a hazardous condition. Inspect accessory prior to use to ensure that it contains no cracks.

NOTE: The chuck accepts 1/4" (6.35 mm) hex accessories.

Place the forward/reverse button **2** in the lock-off (center) position or remove battery pack before changing accessories.

Fig. D

Fig. E



To install an accessory, fully insert the accessory. The accessory is locked into place (Fig. D).

To remove an accessory, pull the chuck collar **3** away from the front of the tool. Remove the accessory (Fig. E).

Worklights (Fig. A)

CAUTION: Do not stare into worklight. Serious eye injury could result.

The three worklights **7** located around the chuck collar **3** are activated when the trigger switch is depressed.

In the factory preset mode, when the trigger is released, the worklight will stay illuminated for up to 20 seconds. If the trigger switch remains depressed, the worklights will remain on. These settings can be customized using the Tool Connect™ app. Refer to **Mode Selector**.

NOTE: The worklights are for lighting the immediate work surface and are not intended to be used as a flashlight.

ASSEMBLY AND ADJUSTMENTS

WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury. Exception—Tool Connect™ functions and mode adjustments require battery to be installed.

Mode Selector (Fig. A, F)

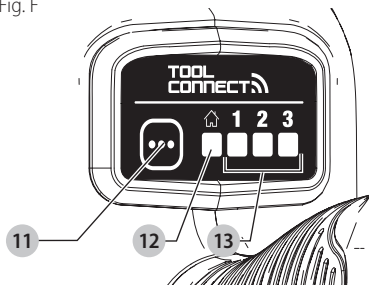
WARNING: To reduce the risk of injury, remove accessories from the tool chuck before using the mode selector.

Your tool is equipped with a mode selector that allows modes 1, 2, and 3 to be customized using the Tool Connect™ app. Home settings are active when the home indicator **12** is lit. The following 4 features can be customized. For more information, refer to **Table 1** below.

Once configured, pressing the mode selector button **11** on the foot of the tool will cycle through the modes **13**.

If you are unsure of the current configuration, press the mode selector button **11** to set the tool to the Home setting (home indicator **12** is lit).

Fig. F



DEWALT Tool Connect™

WARNING: To reduce the risk of injury, remove accessories from the tool chuck before any Tool Connect™ interaction.

Table 1

Customizable Features	Factory Presets				Customizable Range
	Home	Mode 1	Mode 2	Mode 3	
Worklight brightness	High	High	High	High	OFF–High
Worklight delay off	20 secs	20 secs	20 secs	20 secs	0–20 minutes
Maximum speed (RPM)	3250	1000	2800	3250	1000–3250
Precision Drive hesitation (seconds)	Disabled	1	Disabled	Disabled	0–1

ENGLISH

NOTE: Always check the tool configuration prior to use. If you are unsure of the current configuration, press the mode selector button **11** (Fig. F) to set the tool to the Home setting as described on the label and this manual.

This tool is capable of connecting with mobile devices that support Bluetooth® Smart (or Bluetooth® 4.0) technology. DEWALT Tool Connect™ is an optional application for your smart device (such as a smart phone or tablet) that connects the device to your tool to allow you to configure specific tool functions. Refer to **Mode Selector**.

NOTE: The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth®, SIG, Inc. and any use of such marks by DEWALT is under license. Other trademarks and trade names are those of their respective owners. **NOTE:** The Tool Connect™ App is governed by separate terms and conditions available for viewing through the mobile application.

Download the DEWALT Tool Connect™ application at:



- Follow the instructions in the app to create your Tool Connect™ account.
- On the Home screen of the app, select "+ Tool" to begin the process of adding your tool to the app.
- To connect your tool with the DEWALT Tool Connect™ app, at the appropriate screen, press the mode selector button **11** for 3–5 seconds, then wait for the tool to connect. The tool can only be connected to one Tool Connect™ account at a time.
- Once the tool has been connected, you can confirm that you would like to register the product.

Coin Cell Battery

Bluetooth® capability is powered by one coin cell battery in your tool, that when necessary, should be replaced by your local DEWALT service center. Do not attempt to replace the coin cell battery yourself.

WARNING: Danger of explosion if battery is incorrectly replaced.

WARNING: DO NOT INGEST BATTERY; CHEMICAL BURN HAZARD. This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- If the coin cell battery contents come into contact with the skin, immediately wash area with mild soap and water. If coin cell battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of an organic solvent and lithium salts.
- Do not incinerate or dispose of tool together with household waste material! Tool that has reached the end of its life must be collected separately and returned to an environmentally compatible recycling facility.

OPERATION



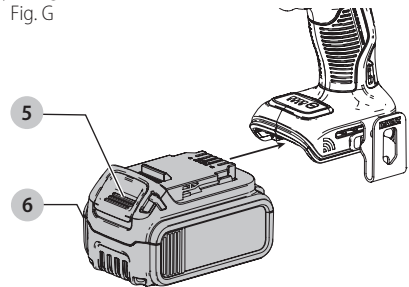
WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury. Exception—Tool Connect™ functions and mode adjustments require battery to be installed.

NOTE: Always check the tool configuration prior to use. If you are unsure of the current configuration, press the mode selector button **11** (Fig. F) to set the tool to the Home setting as described on the label and this manual.

Installing and Removing the Battery Pack (Fig. G)

NOTE: For best results, make sure your battery pack is fully charged.

Fig. G



To install the battery pack **6** into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

To remove the battery pack from the tool, press the release button **5** and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section of this manual.

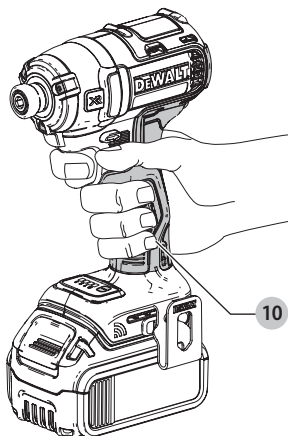
Proper Hand Position (Fig. H)

! **WARNING:** To reduce the risk of serious personal injury, **ALWAYS** use proper hand position as shown.

! **WARNING:** To reduce the risk of serious personal injury, **ALWAYS** hold securely in anticipation of a sudden reaction.

Proper hand position requires one hand on the main handle **10**.

Fig. H



Using the Tool

Your impact tool can generate the following maximum torque:

	Ft.-Lbs.	In.-Lbs.	Nm
DCF888	152	1825	205

NOTE: Tool Connect™ custom speed settings will affect the maximum torque output of the tool. Speeds lower than the Home setting generally result in lower maximum torque.

! **CAUTION:** Ensure fastener and/or system will withstand the level of torque generated by the tool. Excessive torque may cause breakage and possible personal injury.

- Place the accessory on the fastener head. Keep the tool pointed straight at the fastener.
- Press trigger switch **1** to start operation. Release switch to stop operation. Always check torque with a torque wrench, as the fastening torque is affected by many factors including the following:
 - **Voltage:** Low voltage, due to a nearly discharged battery, will reduce fastening torque.
 - **Accessory size:** Failure to use the correct accessory size will cause a reduction in fastening torque.
 - **Bolt size:** Larger bolt diameters generally require higher fastening torque. Fastening torque will also vary according to length, grade, and torque coefficient.
 - **Bolt:** Ensure that all threads are free of rust and other debris to allow proper fastening torque.
 - **Material:** The type of material and surface finish of the material will affect fastening torque.

- **Fastening time:** Longer fastening time results in increased fastening torque. Using a longer fastening time than recommended could cause the fasteners to be overstressed, stripped or damaged.

MAINTENANCE

! **WARNING:** To reduce the risk of serious personal injury, **turn off and remove the battery pack before making any adjustments or removing/installing attachments or accessories.** An accidental start-up can cause injury. Exception—Tool Connect™ functions and mode adjustments require battery to be installed.

Cleaning

- !** **WARNING:** Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this.
- !** **WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Accessories

- !** **WARNING:** Since accessories, other than those offered by DeWalt, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DeWalt recommended accessories should be used with this product.
- !** **WARNING:** To reduce the risk of injury, use only DeWalt impact-ready accessories.
- !** **WARNING:** Use only impact accessories. Non-impact accessories may break and cause a hazardous condition. Inspect accessories prior to use to ensure that they contain no cracks.

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center.

Repairs

The charger and battery pack are not serviceable.

- !** **WARNING:** To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a DeWalt factory service center or a DeWalt authorized service center. Always use identical replacement parts.

DEWALT BATTERY AND CHARGER SYSTEMS

Chargers/Charge Time (Minutes)

Battery Cat #	Output Voltage	120 Volts														12 Volts		
		DC9000	DC9310	DC9320	DCB095	DCB102	DCB103	DCB107	DCB112	DCB113	DCB114	DCB115	DCB116	DCB118	DCB132	DCB119	DW0249	DCB412
DCB609	20/60	X	X	X	X	135	135	432	270	230	X	135	X	75	270	X	X	X
DCB606	20/60	X	X	X	X	100	100	272	170	140	X	90	X	60	90	X	X	X
DCB404	40	X	X	X	X	X	X	X	X	X	90	X	30	X	X	X	X	130
DCB406	40	X	X	X	X	X	X	X	X	X	130	X	45	X	X	X	X	190
DCB407	40	X	X	X	X	X	X	X	X	X	170	X	60	X	X	X	X	235
DC9360	36	45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DCB361	36	45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DC9280	28	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DW0242	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	60	X
DCB200	20	X	X	X	X	60	60	140	90	67	X	45	X	45/30**	45	90	X	X
DCB201	20	X	X	X	X	30	30	70	45	35	X	22	X	22	22	45	X	X
DCB203	20	X	X	X	X	35	35	90	60	45	X	30	X	30	30	60	X	X
DCB203BT*	20	X	X	X	X	35	35	90	60	45	X	30	X	30	30	60	X	X
DCB204	20	X	X	X	X	70	70	185	120	90	X	60	X	60/40**	60	120	X	X
DCB204BT*	20	X	X	X	X	70	70	185	120	90	X	60	X	60	60	120	X	X
DCB205	20	X	X	X	X	95	95	240	150	112	X	75	X	75/47**	75	150	X	X
DCB206	20	X	X	X	X	100	100	272	170	140	X	90	X	60	90	X	X	X
DCB207	20	X	X	X	X	30	30	60	40	30	X	22	X	22	22	X	X	X
DC9182	18	X	40	40	X	X	40	X	X	X	X	X	X	X	X	X	40	X
DCB120	12	X	X	X	X	30	30	60	45	35	X	20	X	X	X	45	X	X
DCB127	12	X	X	X	X	35	35	90	60	50	X	30	X	X	X	60	X	X
DCB080	8	X	X	X	60	X	X	X	X	X	X	X	X	X	X	X	X	X

*BT - Bluetooth® **NOTE:** The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth®, SIG, Inc. and any use of such marks by DEWALT is under license. Other trademarks and trade names are those of their respective owners.

**Battery Datecode 201536 or later.

"X" Indicates that the battery pack is not compatible with that specific charger. All charge times are approximate. Actual charge time may vary. Read the instruction manual for more specific information.

* Maximum initial battery voltage (measured without a workload) is 20, 60 or 120 volts. Nominal voltage is 18, 54 or 108. (120V Max* is based on using 2 DEWALT 60V Max* lithium-ion batteries combined.)

The following are trademarks for one or more DEWALT power tools: the yellow and black color scheme, the "D" shaped air intake grill, the array of pyramids on the handgrip, the kit box configuration, and the array of lozenge-shaped humps on the surface of the tool.