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Bosch GDX18V-1800CN

Bosch GDX18V-1800CN 18V Brushless Impact Baretool

INSTRUCTION MANUAL

1. Product Overview

The Bosch GDX18V-1800CN is a versatile 18V brushless impact driver and impact wrench designed for professional use. It features a unique two-in-one bit/socket drive, offering both a 1/4 inch quick-change hex shank holder for bits and a 1/2 inch square drive for sockets. This tool is engineered for efficiency and power, delivering up to 1,800 inch-pounds of torque and up to 4,200 impacts per minute (IPM) through its robust hammer-and-anvil system. The baretool kit includes the impact driver, a 4x bit holder, a belt clip, and four bits; battery and charger are sold separately.





Figure 1: Bosch GDX18V-1800CN Impact Driver highlighting its key features including the two-in-one chuck, EC Brushless motor, variable-speed trigger, and Bluetooth connectivity option.

2. General Safety Information

Always read and understand 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. Keep all warnings and instructions for future reference.

- **Work Area Safety:** Keep the 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.

- **Electrical Safety:** 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.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating impact tools. Wear appropriate clothing and non-skid safety footwear. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or remove the battery pack, if detachable, before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Included Components

The Bosch GDX18V-1800CN baretool package typically includes the following items:

- 1 x GDX18V-1800CN 18V Two-in-One 1/4 In. and 1/2 In. Bit/Socket Impact Driver
- 1 x 4x Bit Holder
- 1 x Belt Clip
- 4 x Bits

Note: Battery and charger are sold separately.

4. Key Features

- **Versatile Two-in-One Design:** Features a 1/4 inch quick-change hex shank with power groove for bits and a 1/2 inch square drive for sockets, allowing for quick transitions between driving and wrenching applications.
- **Powerful EC Brushless Motor:** Delivers a maximum of 1,800 inch-pounds of torque and up to 4,200 impacts per minute (IPM) for robust performance and extended tool life.
- **Hammer-and-Anvil System:** Designed to provide maximum impact energy directly to the fastener, not the user, enhancing efficiency and reducing fatigue.
- **Electronic Cell and Motor Protection:** Safeguards both the tool and the battery from overloading conditions, ensuring durability and longevity.
- **Variable Speed Trigger:** Provides precise control over driving speed for various applications and materials.
- **Bluetooth Connectivity (Optional):** Compatible with an optional Bosch Connect Tool Module (GCY 42) to connect to the Bosch Toolbox app for customized settings and tool management.

5. Setup

5.1. Battery Installation

This tool requires an 18V Bosch battery (sold separately). To install the battery, align the battery pack with the base of the tool and slide it in until it clicks securely into place. Ensure the battery is fully charged before use.

5.2. Attaching Bits and Sockets

The GDX18V-1800CN features a two-in-one chuck for both 1/4 inch hex bits and 1/2 inch square drive sockets.

- **For 1/4 inch Hex Bits:** Pull the red collar forward, insert the hex bit into the chuck, and release the collar. The bit should lock securely.
- **For 1/2 inch Square Drive Sockets:** Push the socket directly onto the square drive until it clicks into place. To remove, pull the socket firmly off the drive.



Figure 2: A user demonstrating the attachment of a hex bit into the tool's 1/4 inch quick-change hex shank.

5.3. Optional Connectivity Module (GCY 42)

If you have the optional Bosch Connect Tool Module (GCY 42), you can install it into the designated slot at the base of the tool's handle. This module allows for tool customization and feedback via the Bosch Toolbox app on your smartphone.

Video 1: Official Bosch video demonstrating the features and operation of the GDX18V-1800CB15, including the two-in-one bit/socket impact driver functionality.

6. Operating Instructions

6.1. Powering On/Off

To power on the tool, simply press the variable speed trigger. The tool will operate as long as the trigger is depressed. Release the trigger to power off.

6.2. Forward/Reverse Rotation

A switch located above the trigger controls the direction of rotation. Push the switch to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Ensure the switch is in the center position when not in use to prevent accidental starting.

6.3. Speed Settings

The tool features multiple speed settings, typically controlled by a button or switch on the tool body. Select the appropriate speed for your application:

- **Low Speed:** Ideal for delicate tasks, starting screws, or working with softer materials to prevent overtightening or damage.
- **Medium Speed:** Suitable for general driving and drilling applications.
- **High Speed:** For heavy-duty applications, such as driving large fasteners or using as an impact wrench for stubborn bolts.



Figure 3: A construction worker utilizing the Bosch GDX18V-1800CN impact driver to secure a fastener into a metal stud, demonstrating its application in professional settings.



Figure 4: A close-up of the Bosch GDX18V-1800CN impact driver with a large impact socket attached, illustrating its dual functionality as an impact wrench.

7. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the ventilation openings of the tool clean to prevent overheating. Use a soft, damp cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. Replace damaged parts immediately.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store batteries in a discharged state for extended periods.
- **Accessory Care:** Keep bits and sockets clean and free from rust. Replace worn or damaged accessories to ensure safe and effective operation.

8. Troubleshooting

If you encounter issues with your Bosch GDX18V-1800CN, refer to the following common troubleshooting steps:

- **Tool Not Starting:** Ensure the battery is fully charged and properly inserted. Check the forward/reverse switch is not in the neutral (locked) position.
- **Reduced Power/Performance:** The battery may be low on charge. Recharge the battery. Ensure the correct speed setting is selected for the task.
- **Excessive Vibration or Noise:** Stop using the tool immediately. Check for loose accessories or damaged components. If the issue persists, contact Bosch service.
- **Bit/Socket Not Holding:** Ensure the chuck collar is fully released after inserting a hex bit. For sockets, ensure it is

pushed firmly onto the square drive. Clean any debris from the chuck mechanism.

For issues not covered here, please contact Bosch customer support.

9. Specifications

Specification	Value
Brand	Bosch
Model Number	GDX18V-1800CN
Power Source	Battery Powered
Voltage	18 Volts
Amperage	15 Amps
Maximum Rotational Speed	3400 RPM
Maximum Torque	1800 Inch Pounds
Impacts Per Minute (IPM)	Up to 4200
Chuck Size	1/4 In. Hex and 1/2 In. Square Drive
Special Feature	Variable Speed
Item Weight	2.6 Pounds
Product Dimensions	5.8"L x 3"W x 8.2"H
Battery Cell Type	Lithium Ion

10. Warranty and Support

Bosch offers various protection plans and support for its products. For detailed warranty information, please refer to the documentation included with your purchase or visit the official Bosch website. Extended protection plans may be available for purchase.

For customer support, technical assistance, or service inquiries, please contact Bosch directly through their official channels. Keep your product model number (GDX18V-1800CN) and proof of purchase handy when contacting support.