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Fein ASCM18QM

FEIN 18V Cordless 4-Speed Drill/Driver ASCM18QM User Manual

Model: ASCM18QM

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your FEIN 18V Cordless 4-Speed Drill/Driver, model ASCM18QM. Please read this manual thoroughly before using the tool and keep it for future reference.



Figure 1: User operating the FEIN 18V Cordless 4-Speed Drill/Driver.

2. SAFETY INFORMATION

Always observe general power tool safety warnings and instructions provided with the product. Failure to follow all instructions may result in electric shock, fire, and/or serious injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Wear eye protection:** Always wear appropriate eye protection when operating the drill/driver.
- **Secure workpiece:** Always secure the workpiece to prevent movement during operation.

- **Use correct accessories:** Only use accessories specifically designed for this tool.
- **Keep hands clear:** Keep hands and loose clothing away from moving parts.
- **Disconnect power:** Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 rechargeable batteries (Li-ion)
- 1 rapid charger ALG 80
- 1 QuickIN drill chuck
- 1 belt clip
- 1 bit garage
- 1 handle
- 1 tool case



Figure 2: The FEIN 18V Cordless 4-Speed Drill/Driver shown with its included accessories, including batteries, charger, and chuck.

4. SETUP

4.1 Charging the Battery

1. Connect the rapid charger ALG 80 to a power outlet (120V60H).
2. Insert the Li-ion battery into the charger. The charger's indicator light will show the charging status.
3. Once fully charged, remove the battery from the charger.

4.2 Attaching the Battery Pack

Slide the charged battery pack into the base of the drill/driver until it clicks securely into place.

4.3 Attaching the QuickIN Drill Chuck

The QuickIN MAX accessory interface allows for fast changes between applications.

1. Ensure the tool is switched off and the battery is removed.
2. Align the QuickIN drill chuck with the spindle of the drill/driver.
3. Push the chuck onto the spindle and twist clockwise until it locks securely.
4. To remove, twist counter-clockwise and pull the chuck off.



Figure 3: Close-up view of the FEIN 18V Cordless 4-Speed Drill/Driver, highlighting the QuickIN chuck system.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the trigger switch to turn the tool on. Release the trigger switch to turn it off.

5.2 Speed Selection

The drill/driver features a 4-speed solid metal gearbox, providing optimum speeds for various applications.

- **Speed 1 & 2:** Lower speeds for high torque applications like driving large screws or drilling large holes in metal.
- **Speed 3 & 4:** Higher speeds for faster drilling in metal or other materials.

Use the speed selector switch located on the top of the tool to choose the desired speed setting.

5.3 Drilling in Metal

1. Select an appropriate drill bit for the material and desired hole size.
2. Choose a lower speed setting (1 or 2) for larger diameter bits or tougher metals.
3. Apply steady, even pressure. Do not force the drill.
4. Use cutting fluid when drilling metal to prolong bit life and improve cutting performance.

5.4 Driving Screws

1. Insert the appropriate screwdriver bit into the chuck.

2. Select a lower speed setting (1 or 2) for driving screws, especially self-drilling screws, to maintain control and prevent stripping.
3. Adjust the torque setting on the clutch collar to prevent over-tightening or stripping screw heads.
4. Apply firm, consistent pressure in line with the screw.

Your browser does not support the video tag.

Video 1: Overview of FEIN power tools, demonstrating various applications including drilling and accessory changes. This video highlights the versatility and performance of FEIN tools.

6. MAINTENANCE

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

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Use a soft, damp cloth to clean the housing. Do not use harsh chemicals.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries regularly, even if not in use, to maintain their health.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Inspection:** Regularly inspect the power tool for any signs of damage, loose screws, or worn parts. Have any damaged parts repaired by a qualified service technician.

7. TROUBLESHOOTING

Before contacting customer support, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted.
Reduced power/performance	Low battery charge; incorrect speed setting for task.	Recharge battery; select a lower speed or higher torque setting.
Chuck not holding bit securely	Chuck not tightened properly; dirty chuck jaws.	Ensure chuck is fully tightened; clean chuck jaws.
Tool overheating	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots; allow tool to cool down.

8. SPECIFICATIONS

Feature	Detail
Brand	Fein
Model Number	ASCM18QM
Part Number	71161161090
Power Source	Battery Powered
Voltage	18 Volts

Feature	Detail
Amperage	14 Amps
Battery Capacity	6 Amp Hours (Li-ion)
Maximum Rotational Speed	3850 RPM
Item Torque	797 Pounds Per Inch (approx. 90 Nm)
Maximum Chuck Size	0.5 Inches
Gearbox	4-speed solid metal
Motor Type	Brushless FEIN PowerDrive
Item Weight	13.3 Pounds
Product Dimensions	12 x 5.5 x 16 inches
Sound Level	84 Decibels
Material	Metal, Plastic

9. WARRANTY INFORMATION

Your FEIN 18V Cordless 4-Speed Drill/Driver ASCM18QM comes with a **1+2 year warranty** with online tool registration. Please register your tool on the official FEIN website to activate the extended warranty period. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, spare parts, or service, please contact FEIN customer support:

- **Website:** Visit the official Fein website for FAQs and support resources.
- **Phone:** Refer to your regional FEIN contact information for phone support.
- **Service Centers:** Locate authorized FEIN service centers for repairs.