

## ARROWMAX SES PRO

# ARROWMAX SES PRO Electric Precision Screwdriver User Manual

Model: SES PRO

## 1. INTRODUCTION

Thank you for choosing the ARROWMAX SES PRO Electric Precision Screwdriver. This cordless tool is designed for precision tasks, featuring smart motion control and a comprehensive set of 34 magnetic bits. It is ideal for electronics, laptops, glasses, and other delicate applications. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

## 2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- 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. 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.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- 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 and clothing away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- 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.
- 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.

- 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.
- 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.
- 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.
- Do not use the 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 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.

### 3. PACKAGE CONTENTS

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The ARROWMAX SES PRO Electric Precision Screwdriver package typically includes the following items:

- 1 x ARROWMAX SES PRO Electric Precision Screwdriver
- 1 x Magnetic Storage Case
- 34 x Magnetic Precision Bits (S2 Steel, 4mm)
- 1 x USB-A to USB-C Charging Cable



Image: The ARROWMAX SES PRO Electric Precision Screwdriver, its magnetic bit case, and the included 34 precision bits.

## 4. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your ARROWMAX SES PRO screwdriver:



Image: Labeled diagram of the ARROWMAX SES PRO screwdriver's key components.

- **Type-C Charging Port:** Located at the top for recharging the internal battery.
- **LED Status Display:** An OLED screen showing battery level, torque setting, and operational status.
- **Power Button:** Used to turn the device on/off and adjust torque settings.
- **Aluminium Alloy Body:** Durable and lightweight construction.
- **LED Lights:** Illuminates the work area for better visibility.
- **Bit Installation Port:** Where precision bits are inserted.

## 5. SETUP

### 5.1 Charging the Screwdriver

1. Locate the USB-C charging port at the top of the screwdriver.
2. Connect the provided USB-A to USB-C charging cable to the screwdriver and a compatible USB-A power adapter (not included).
3. The LED Status Display will indicate the charging progress. A full charge allows for tightening approximately 900 screws.

4. **Important Note:** This electric screwdriver only supports USB-A to USB-C charging and is not compatible with USB-C PD (Power Delivery) chargers.



Image: Overview of charging port, battery, torque adjustment, and OLED display.

## 5.2 Installing Precision Bits

1. Select the appropriate precision bit from the magnetic storage case. The case features a pop-up design for easy access.
2. Insert the bit firmly into the Bit Installation Port at the tip of the screwdriver. The magnetic holder will secure the bit in place.
3. To remove a bit, simply pull it out.



Image: Magnetic pop-up bit case design and bit magnetization zone.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

Press and hold the Power Button for a few seconds to turn the screwdriver on or off. The OLED screen will illuminate upon activation.

### 6.2 Adjusting Torque Settings

The SES PRO offers 5 adjustable torque levels, including an auto-sensing mode, to suit various tasks. The electric torque ranges from 0.049 N.m to 0.30-0.35 N.m, with a manual torque of 3 N.m.

1. With the screwdriver powered on, press the Power Button three times continuously to cycle through the torque settings.
2. The OLED screen will display the current torque level (e.g., 1, 2, 3, 4, A for Auto-Sensing).
3. Select a lower torque for delicate items like glasses or small electronics, and higher torque for more robust applications.
4. For screws that are too tight for the electric motor, the screwdriver can be used in manual mode by



applying direct force.



Image: Adjustable torque settings for various applications.

### 6.3 Body Sensory Dual-Mode (Forward/Reverse)

The SES PRO features a body sensory dual-mode for intuitive control of rotation direction.

1. To drive a screw in (tighten), gently rotate your wrist in a clockwise direction while holding the screwdriver.
2. To remove a screw (loosen), gently rotate your wrist in a counter-clockwise direction.
3. The screwdriver's internal gyroscope detects your wrist movement and activates the motor accordingly.

# Body Sensory Dual mode



Image: Body sensory dual-mode in action for forward and reverse operation.

## 6.4 LED Work Lights

The integrated LED lights at the tip of the screwdriver automatically illuminate when the motor is active, providing clear visibility of your work area.

## 7. MAINTENANCE

### 7.1 Cleaning

- Wipe the screwdriver body with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the bit installation port is free of debris.

### 7.2 Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Store the screwdriver in a cool, dry place when not in use.
- Recharge the battery periodically if stored for extended periods to prevent deep discharge.



# Small & Powerful



Image: The SES PRO's long-lasting battery capacity.

## 7.3 Bit Care

- Keep the precision bits clean and free of rust.
- Store bits securely in the magnetic case to prevent loss and damage.

## 8. TROUBLESHOOTING

If you encounter issues with your ARROWMAX SES PRO screwdriver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Screwdriver does not turn on or respond.	Low battery; device is off.	Charge the screwdriver using the provided USB-A to USB-C cable. Ensure the power button is pressed to turn it on.

Problem	Possible Cause	Solution
Screwdriver does not charge.	Incorrect charger type; faulty cable/adapter.	Ensure you are using a USB-A to USB-C cable and a standard USB-A power adapter. USB-C PD chargers are not supported. Try a different cable or adapter.
Motor lacks power or cannot loosen/tighten screws.	Low battery; incorrect torque setting; screw is too tight for electric mode.	Charge the screwdriver. Increase the torque setting. For very tight screws, manually loosen or tighten them first, then use the electric mode.
Directional control (forward/reverse) is inconsistent.	Improper wrist movement; gyroscope calibration issue.	Ensure clear and deliberate wrist movements. If issues persist, try restarting the device.
Bits fall out or are not held securely.	Bit installation port is dirty; bit is not fully inserted.	Clean the bit installation port. Ensure the bit is pushed in firmly until it clicks or feels secure.

## 9. SPECIFICATIONS

Key technical specifications for the ARROWMAX SES PRO Electric Precision Screwdriver:

Feature	Specification
Brand	ARROWMAX
Model	SES PRO (AM-199913-G)
Speed	200 RPM
Power Source	Battery Powered
Voltage	3.7 Volts (DC)
Electric Torque	0.049 N.m - 0.30-0.35 N.m (Adjustable)
Manual Torque	3 N.m
Battery Type	Lithium Ion (500mAh)
Charging Port	USB-C (USB-A to USB-C charging only)
Item Weight	13.7 ounces
Package Dimensions	7.48 x 3.43 x 1.73 inches
Special Features	OLED Screen, Smart Motion Control, Ergonomic Design, LED Lights







## 10. WARRANTY AND SUPPORT

The manufacturer's warranty information for this product is not explicitly provided in the available data. For details regarding warranty coverage, duration, and terms, please refer to the documentation included with your purchase or contact the retailer where the product was acquired.

For technical support, product inquiries, or assistance with troubleshooting that is not covered in this manual, please visit the official ARROWMAX website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's official online channels.

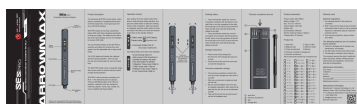
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## Related Documents - SES PRO

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	<p><a href="#">Arrowmax SES MAX Smart Electric Screwdriver Pen - User Manual &amp; Specifications</a></p> <p>Detailed user manual and specifications for the Arrowmax SES MAX Smart Electric Screwdriver Pen, featuring a 32-bit microprocessor, OLED display, adjustable torque, and 70-piece bit set for electronics repair and assembly.</p>
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	<p><a href="#">Arrowmax SES MAX Electric Screwdriver: App Download and Connection Guide</a></p> <p>Detailed instructions for downloading the Arrowmax mobile app and connecting your SES MAX electric screwdriver via Bluetooth. Learn to customize torque settings (up to 4.0 kgf.cm) and LED lights for precision tasks.</p>
	<p><a href="#">ARROWMAX SES MINI: Compact Electric Screwdriver User Manual</a></p> <p>User manual for the ARROWMAX SES MINI, a compact and ergonomic mini electric screwdriver featuring 28 S2 steel bits, a 350mAh battery, and an aluminum alloy storage box. Learn about its features, operation, storage, specifications, and warranty.</p>
	<p><a href="#">Arrowmax SES MAX App Download and Connection Guide</a></p> <p>Step-by-step instructions to download the Arrowmax app, connect your SES MAX device via Bluetooth, and customize torque and LED settings for your smart tool.</p>

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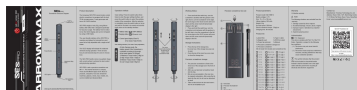


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