ARROWMAX SGS MINI

ARROWMAX SGS MINI Cordless Electric Engraving Pen User Manual

Model: SGS MINI (AM-199211-B)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your ARROWMAX SGS MINI Cordless Electric Engraving Pen. Please read this manual thoroughly before using the device and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Keep the device away from water and moisture.
- Do not operate the device near flammable liquids or gases.
- Ensure the work area is well-lit and clear of obstructions.
- Wear appropriate personal protective equipment, such as safety glasses, when operating the tool.
- Keep hands and loose clothing away from rotating parts.
- Do not force the tool; let the tool do the work.
- Store the device and accessories out of reach of children.
- Use only ARROWMAX approved accessories and replacement parts.
- Disconnect the power before changing accessories or performing maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x ARROWMAX SGS MINI Engraving Pen
- 24 x Engraving Bits
- 12 x Polishing Bits

- 1 x Storage Case
- 1 x User Manual
- 1 x USB Charging Cable

SGS MINI INCLUDED ITEMS

Figure 3.1: All components included in the ARROWMAX SGS MINI package.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your ARROWMAX SGS MINI Engraving Pen:

Figure 4.1: Key components of the ARROWMAX SGS MINI Engraving Pen.

- **Magnetic Charging Port:** For convenient charging of the device.
- **Working Status Indicator:** Displays battery status and rotation direction.
- **Power Button:** Activates and deactivates the device.
- **Aluminium Alloy Body:** Durable and ergonomic design for better control.
- **Chuck:** Holds engraving and polishing bits securely.

5. SETUP

5.1 Charging the Device

Before first use, fully charge the engraving pen. Connect the provided USB charging cable to the magnetic charging port on the pen and to a compatible USB power source (e.g., computer, wall adapter). The Working Status Indicator lights will show the charging progress.

- A full charge provides up to 90 minutes of continuous use.
- The device can also be charged conveniently within its storage case using the optional magnetic charger (if purchased separately).

Figure 5.1: The engraving pen, charging cable, and storage case.

5.2 Attaching/Changing Bits

To attach or change an engraving or polishing bit:

1. Ensure the device is powered off.
2. Gently twist the chuck counter-clockwise to loosen it.
3. Insert the desired bit into the chuck.
4. Twist the chuck clockwise to secure the bit firmly. Do not overtighten.

Figure 5.2: Selection of 24 engraving and 12 polishing bits.

6. Operating Instructions

6.1 Power On/Off and Basic Operation

1. Press and hold the Power Button to turn the device on or off.
2. Once powered on, the Working Status Indicator will illuminate, showing the battery level and current rotation direction.
3. Gently apply the bit to the surface you wish to engrave, polish, or grind.

6.2 Speed Control and Direction Adjustment (via APP)

The ARROWMAX SGS MINI offers customizable speed and direction control through the optional ARROWMAX smartphone application. This feature allows for precise adjustments for various tasks.

1. Download the "ARROWMAX" app from your smartphone's app store (available on Google Play and Apple App Store).
2. Ensure Bluetooth is enabled on your smartphone and the engraving pen is powered on.

3. Open the ARROWMAX app and pair it with your SGS MINI device.
4. Within the app, you can adjust the rotation speed in increments of 1000 RPM.
5. You can also switch between forward and reverse rotation modes for optimal control during different applications.
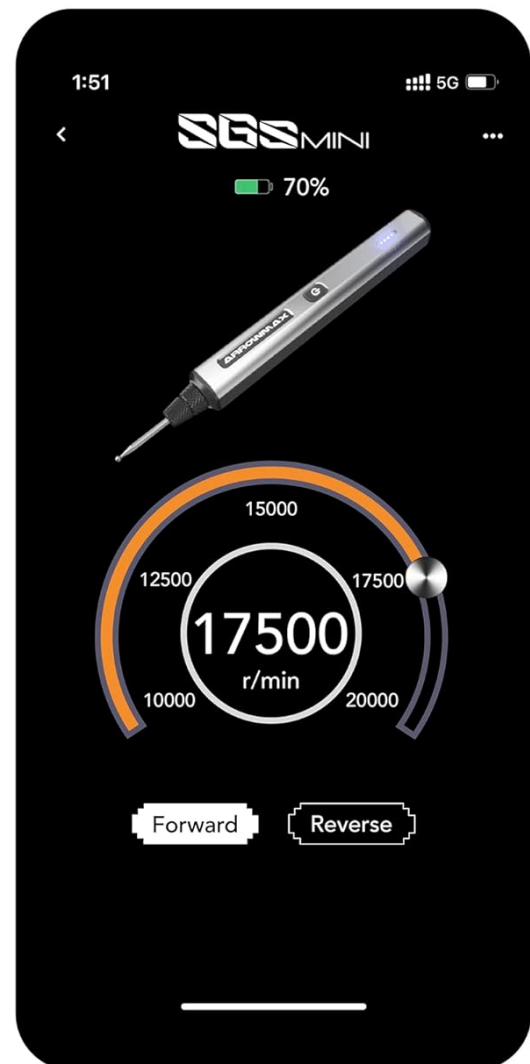

Figure 6.1: ARROWMAX App interface for speed and direction control.

6.3 Applications

The ARROWMAX SGS MINI is suitable for a variety of light-duty tasks, including:

- Engraving on materials such as wood, glass, stone, and soft metals.
- Polishing small objects or intricate details.
- Grinding and deburring small components.
- Model making and craft projects.
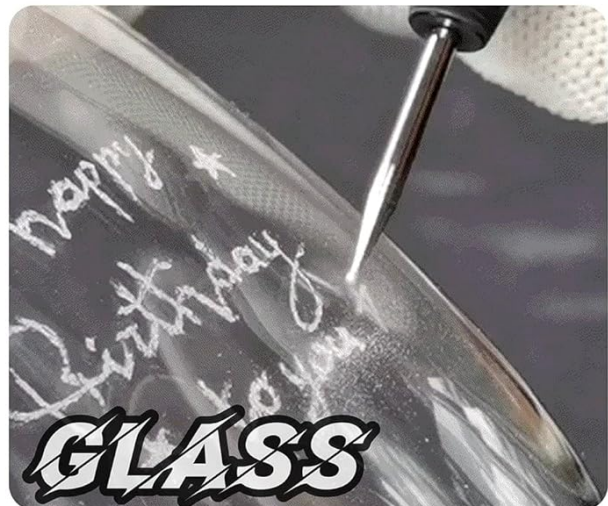
CUSTOMISE YOUR ITEM

Figure 6.2: Versatile applications of the engraving pen on various materials.

Figure 6.3: Polishing, model making, and bit organization with the SGS MINI.

7. MAINTENANCE

7.1 Cleaning

To maintain optimal performance and longevity of your device:

- Ensure the device is powered off and disconnected from any charging source before cleaning.
- Wipe the exterior of the pen with a soft, dry cloth.
- Remove any dust or debris from the chuck area using a small brush or compressed air.
- Do not use harsh chemicals or abrasive cleaners.

7.2 Bit Storage

Store engraving and polishing bits in the provided storage case to protect them from damage and keep them organized.

8. TROUBLESHOOTING

If you encounter issues with your ARROWMAX SGS MINI, refer to the following table:

Problem	Possible Cause	Solution
Device does not turn on.	Low battery.	Charge the device fully.
Bit is loose or falls out.	Chuck not tightened sufficiently.	Ensure the chuck is securely tightened around the bit.
Device stops during operation.	Overload or low battery.	Reduce pressure on the tool or recharge the battery.
Cannot connect to ARROWMAX App.	Bluetooth off, device not powered on, or app issue.	Ensure Bluetooth is on, the pen is powered on, and restart the app.

If the problem persists, please contact customer support.

9. SPECIFICATIONS

Feature	Detail
Model Number	AM-199211-B
Power Source	Battery-powered (Rechargeable Lithium Polymer)
Voltage	4 Volts
Battery Life	Up to 90 minutes (continuous use)
Connectivity	Bluetooth (for APP control)
Special Features	Customizable APP, Wireless Magnetic Charging, Compact Design
Dimensions (Packaging)	20.8 x 7.8 x 3.4 cm
Item Weight	340 grams
Recommended Uses	Polishing, Deburring, Grinding, Cutting, Engraving

10. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries regarding your ARROWMAX SGS MINI, please refer to the official ARROWMAX website or contact your authorized retailer. Specific warranty terms and conditions may vary by region and purchase date.

Online Resources:

- Official ARROWMAX Website: www.arrowmax-rc.com *(Please verify the correct and most up-to-date website for support.)*
- ARROWMAX App Support: Consult the help section within the ARROWMAX application for assistance with app-specific functionalities.

10.1 Media Integration Note

No official product videos from the seller were available in the provided product data for inclusion in this manual.

Related Documents - SGS MINI

	[ARROWMAX SGS MINI Electric Engraving & Polishing Pen User Manual](#) Comprehensive user manual for the ARROWMAX SGS MINI, a compact electric engraving and polishing pen. Learn about its features, operation, bit installation, storage, and specifications. Includes details on the 350mAh LiPo battery, magnetic charging, and ARROWMAX app compatibility.
	[ARROWMAX SGS PRO Smart Electric Engraving & Polishing Pen User Manual](#) Comprehensive user manual for the ARROWMAX SGS PRO Smart Electric Engraving & Polishing Pen, detailing its features, operation, installation, and specifications. Includes information on Bluetooth connectivity, customizable modes, and maintenance.
	[ARROWMAX SGS MAX Smart Mini Electric Engraving & Polishing Pen User Manual](#) Detailed user manual for the ARROWMAX SGS MAX Smart Mini Electric Engraving & Polishing Pen, featuring a 32-bit microprocessor, OLED display, and adjustable speeds from 10000-30000 RPM. Includes operation, storage, and product specifications.
	[SGS PRO Smart Mini Electric Engraving & Polishing Pen User Manual	ARROWMAX](#) Detailed user manual for the ARROWMAX SGS PRO Smart Mini Electric Engraving & Polishing Pen, covering features, operation, storage, and specifications. Learn how to use this versatile tool for engraving and polishing.
	[ARROWMAX SES MINI Electric Screwdriver - User Manual and Specifications](#) Detailed user manual for the ARROWMAX SES MINI electric screwdriver, featuring a compact design, 350mAh battery, 200r/min speed, and a 96+6 bit set for various electronic repairs. Includes operation, storage, specifications, warranty, and compliance information.
	[SES ULTRA Electric Screwdriver Pen User Manual - ARROWMAX](#) Comprehensive user manual for the ARROWMAX SES ULTRA Electric Screwdriver Pen, detailing its features, operation, storage, specifications, and warranty information.