

Si-tex 51379

SI-TEX SVS-760 Dual Frequency Sounder - 600W User Manual

Model: SVS-760 (Part Number: 51379)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SI-TEX SVS-760 Dual Frequency Sounder. The SVS-760 is a high-performance 600W sounder featuring a 7-inch color TFT LCD display, designed for accurate depth finding and fish detection in various marine environments. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

2. PACKAGE CONTENTS

Before beginning installation, verify that all components are present in the package:

- SI-TEX SVS-760 Display Unit
- Power Cable (Corded Electric)
- Mounting Bracket and Hardware
- Transducer (600W, Dual Frequency)
- Transducer Cable
- User Manual (this document)
- Warranty Information



Figure 2.1: The SI-TEX SVS-760 Dual Frequency Sounder display unit. This image shows the front view of the 7-inch color TFT LCD display with control buttons.

3. SETUP AND INSTALLATION

3.1 Mounting the Display Unit

Select a suitable location on your vessel that provides clear visibility, protection from direct sunlight and excessive moisture, and easy access to controls. Use the provided mounting bracket and hardware to securely attach the display unit. Ensure adequate ventilation around the unit.

3.2 Transducer Installation

The 600W dual-frequency transducer must be installed in a location that provides an unobstructed view of the water beneath the hull. Common installation methods include transom mount, thru-hull, or in-hull. Refer to the separate transducer installation guide for specific instructions based on your transducer type. Proper transducer placement is critical for optimal performance.

3.3 Power Connection

Connect the supplied power cable to the power input port on the back of the SVS-760 display unit. Connect the other end of the power cable to a 12V DC power source on your vessel. Ensure the connection is secure and properly fused to prevent electrical damage. The unit operates on a corded electric power source.

3.4 Transducer Cable Connection

Connect the transducer cable to the designated transducer port on the SVS-760 display unit. Ensure the connector is fully seated and secured. Avoid kinking or damaging the transducer cable during routing.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the **POWER** button (typically located on the front panel) for approximately 3 seconds to turn the unit on. To turn off, press and hold the **POWER** button again until the unit powers down.

4.2 Basic Display Modes

- **Single Frequency Mode:** Displays sonar returns from either the high or low frequency transducer element. Useful for specific target identification or deep-water penetration.
- **Dual Frequency Mode:** Displays sonar returns from both high and low frequencies simultaneously, often in a split-screen view. This provides a comprehensive view of the water column.
- **Zoom Mode:** Magnifies a specific portion of the water column for detailed observation of fish or bottom structure.

4.3 Adjusting Settings

Access the main menu by pressing the **MENU** button. Use the arrow keys or rotary knob (if present) to navigate through options. Press **ENTER** or **SELECT** to confirm selections.

- **Gain:** Adjusts the sensitivity of the sonar receiver. Increase gain to see weaker returns (smaller fish, softer bottom), decrease to reduce clutter.
- **Range:** Sets the maximum depth displayed on the screen. Adjust according to water depth.
- **Depth Alarm:** Configures an audible alarm to sound when the water depth falls below a set value.
- **Bottom Lock:** Stabilizes the bottom display, making it easier to interpret bottom structure regardless of vessel movement.

4.4 Interpreting Sonar Readings

Fish typically appear as arches or inverted V-shapes. The size and density of the arch can indicate the size of the fish. Bottom structure is displayed as a solid line, with variations in thickness and color indicating different bottom compositions (e.g., hard bottom appears thicker and brighter). Understanding these patterns improves with practice.

5. MAINTENANCE

5.1 Cleaning the Display Unit

Wipe the screen and casing with a soft, damp cloth. For stubborn dirt, use a mild, non-abrasive cleaner **Do not use harsh chemicals or solvents**, as these can damage the display or casing. Ensure the unit is powered off before cleaning.

5.2 Transducer Care

Regularly inspect the transducer for marine growth, dirt, or damage. Clean the transducer face with a soft brush and

mild soap to ensure optimal sonar performance. Remove any barnacles or algae promptly. Avoid scratching the transducer surface.

5.3 Software Updates

Periodically check the SI-TEX official website for available software updates. Updates can improve performance, add new features, or resolve known issues. Follow the instructions provided with the update package carefully.

5.4 Storage

When storing the unit for extended periods, especially in cold climates, disconnect it from power and store it in a dry, temperature-controlled environment. Protect the screen from scratches.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact SI-TEX customer support.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Blown fuse; Loose power connection.	Check power cable connections. Verify vessel's 12V DC power supply. Inspect and replace fuse if necessary.
No sonar reading or blank screen.	Transducer not connected; Damaged transducer; Incorrect settings (e.g., range too shallow).	Ensure transducer cable is securely connected. Check transducer for visible damage. Adjust range and gain settings.
Distorted or noisy display.	Electrical interference; Dirty transducer; Incorrect gain setting.	Check for other electrical devices causing interference. Clean transducer face. Reduce gain setting.
Inaccurate depth readings.	Transducer obstruction or poor placement; Air bubbles under transducer.	Inspect transducer for marine growth or damage. Ensure transducer is in clear water flow.

7. SPECIFICATIONS

Key technical specifications for the SI-TEX SVS-760 Dual Frequency Sounder:

- **Brand:** Si-tex
- **Model Number:** 51379
- **ASIN:** B00KHKPMO2
- **Power Source:** Corded Electric (12V DC)
- **Screen Size:** 7 Inches
- **Display Type:** Color TFT LCD
- **Sonar Output Power:** 600W
- **Item Weight:** 7.3 Pounds
- **Item Dimensions (LxWxH):** 13 x 9 x 9 inches
- **UPC:** 013027056585
- **Date First Available:** April 12, 2018

8. WARRANTY AND SUPPORT

The SI-TEX SVS-760 Dual Frequency Sounder is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official SI-TEX website for detailed warranty terms and conditions. For technical assistance, service, or parts, please contact SI-TEX customer support through their official website or authorized service centers. Keep your purchase receipt as proof of purchase for warranty claims.