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## Walfront WALFRONTw13vo5xk7g

# Walfront SW Antenna Portable Loop Antenna User Manual

Model: WALFRONTw13vo5xk7g

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Walfront SW Antenna Portable Loop Antenna. This antenna is designed for use with Tef6686 receivers, ham radios, and various other receiver types, offering a wide frequency range for optimal signal reception.

Please read this manual thoroughly before using the product to ensure proper function and longevity.

## SAFETY INFORMATION

- Do not expose the antenna to extreme temperatures or direct sunlight for prolonged periods.
- Avoid contact with water or other liquids to prevent damage to the internal components.
- Handle the antenna with care to prevent physical damage.
- Ensure proper connection to compatible devices to avoid electrical issues.
- Keep out of reach of children.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Mini SW Antenna

If any items are missing or damaged, please contact customer support.

## PRODUCT OVERVIEW

The Walfront SW Antenna is a compact and lightweight loop antenna designed for enhanced signal reception across a broad frequency range.



Figure 1: Front view of the Walfront SW Antenna, showing its circular loop design and SMA connector.

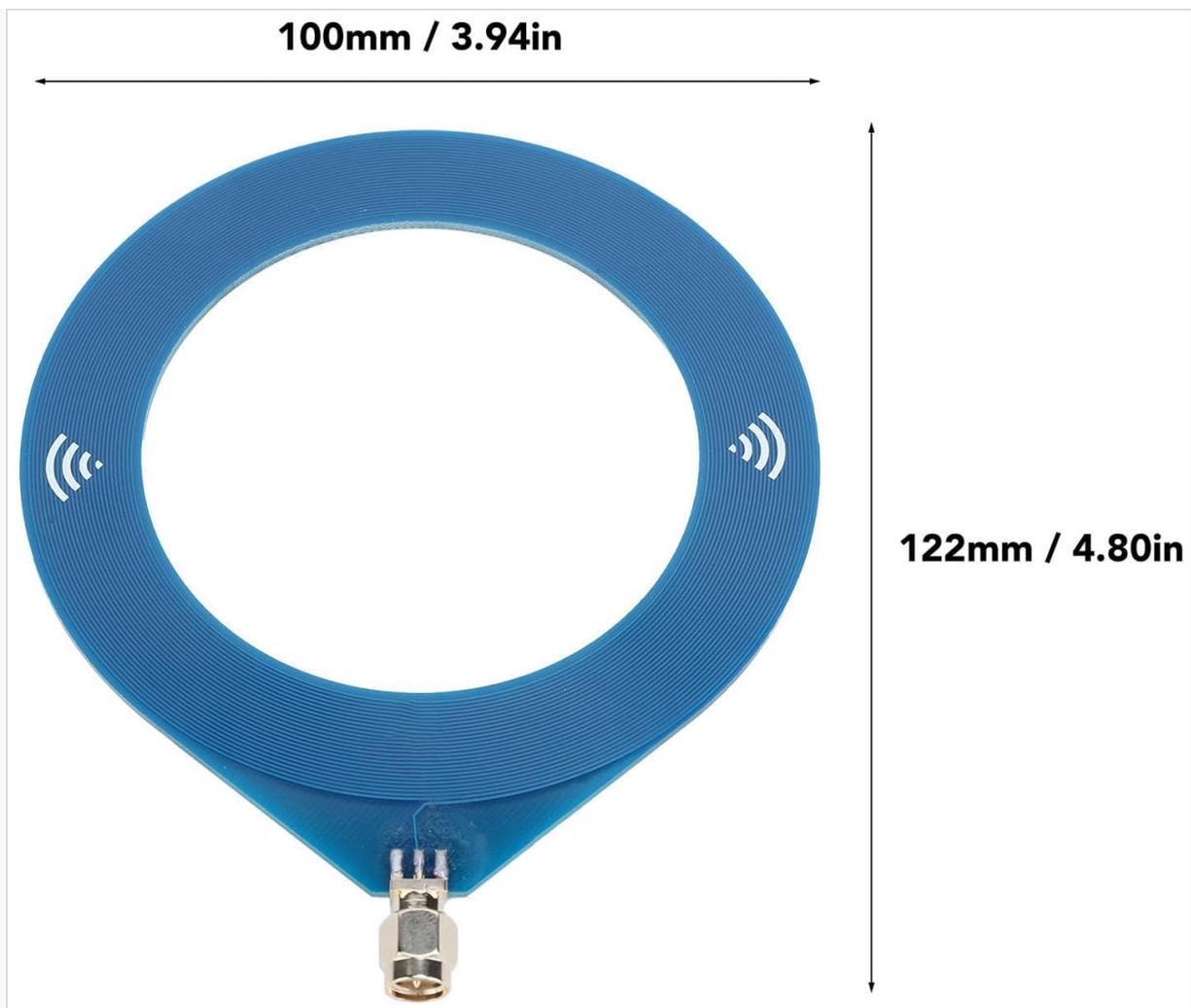


Figure 2: The Walfront SW Antenna with approximate dimensions: 100mm (3.94in) width and 122mm (4.80in) length.

### Key Features:

- **Construction:** Crafted from premium PCB material for durability and consistent performance.
- **Wide Application:** Compatible with Tef6686 receivers, ham radios, and various other receiver types.
- **Compact and Lightweight:** Portable design for easy carrying and storage.
- **Directional Reception:** Designed for optimal signal reception by rotating the antenna.
- **Frequency Range:** Supports a broad frequency range from 9.9KHz to 181MHz.
- **Interface:** Equipped with an SMA Connector for easy installation.

### SETUP

The Walfront SW Antenna is designed for simple and quick installation.

1. Identify the SMA connector on your receiver (e.g., Tef6686 receiver, ham radio).
2. Carefully align the SMA connector of the Walfront SW Antenna with the corresponding port on your receiver.
3. Gently screw the antenna onto the receiver's port until it is securely fastened. Do not overtighten.
4. Ensure the connection is firm to prevent signal loss.

Once connected, the antenna is ready for operation.

## OPERATING INSTRUCTIONS

To achieve the best possible signal reception, follow these guidelines:

1. **Power On Receiver:** Turn on your compatible receiver device.
2. **Tune Frequency:** Tune your receiver to the desired frequency within the antenna's supported range (9.9KHz to 181MHz).
3. **Antenna Orientation:** The Walfront SW Antenna is a directional antenna. For optimal signal strength, slowly rotate the antenna until you achieve the clearest reception. Slight adjustments can significantly improve signal quality.
4. **Interference:** Keep the antenna away from sources of electromagnetic interference, such as large electronic devices, power lines, or metal objects, which can degrade signal quality.

## MAINTENANCE

Proper care will ensure the longevity and performance of your Walfront SW Antenna.

- **Cleaning:** Use a soft, dry cloth to wipe the antenna clean. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the antenna in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or applying excessive force to the antenna, especially near the SMA connector, to prevent damage to the PCB.

## TROUBLESHOOTING

If you encounter issues with your Walfront SW Antenna, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor or No Signal Reception	Incorrect antenna orientation, loose connection, interference, receiver issue.	Rotate the antenna for optimal direction. Ensure the SMA connector is securely fastened. Move away from potential interference sources. Check your receiver's functionality.
Antenna Not Fitting Receiver	Incompatible connector type.	Verify your receiver uses an SMA connector. If not, an adapter may be required (not included).
Physical Damage to Antenna	Improper handling or storage.	Handle the antenna with care. Store it in a safe place. Physical damage may require replacement.

If the problem persists after trying these solutions, please contact Walfront customer support.

## SPECIFICATIONS

Feature	Detail
Item Type	Mini SW Antenna
Material	PCB
Frequency Range	9.9KHz to 181MHz
Interface	SMA Connector
Product Dimensions	5.91 x 3.54 x 1.57 inches (approx. 15 x 9 x 4 cm)
Item Weight	1.62 ounces (approx. 46 grams)
Model Number	WALFRONTw13vo5xk7g

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Walfront website. You may also contact Walfront customer service directly for assistance with product inquiries, troubleshooting, or replacement parts.

**Walfront Customer Service:** Please refer to your purchase receipt or the Walfront brand store for contact details.