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› Pioneer Mobile TS-MR1640 6.5-Inch 2-Way Marine Speakers User Manual

Pioneer Mobile TS-MR1640

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Model: TS-MR1640

Brand: Pioneer Mobile

INTRODUCTION

The Pioneer TS-MR1640 6.5-inch 2-Way Marine Speakers are designed to provide superior sound quality and durability in harsh marine environments. These speakers feature Pioneer's Reflex Horn tweeter technology and IMPP composite cone woofers, delivering rich bass, clear highs, and immersive sound clarity for your boat's audio system.

Built with water-resistant, weather-resistant, and UV-resistant materials, the TS-MR1640 speakers ensure protection against saltwater, corrosion, and extreme heat, guaranteeing long-lasting performance on the water. With 160 Watts maximum power and 30 Watts nominal power, they produce loud, distortion-free audio, making them an ideal upgrade for any marine audio setup.



Image: A pair of Pioneer TS-MR1640 6.5-inch marine speakers, showcasing their white finish and durable design.

WHAT'S IN THE BOX

Upon opening the package, you will find the following components:

- Two dual cone speakers
- Two grilles
- Eight 1-1/8" Stainless steel screws
- Eight Stainless steel speed clips
- Warranty information
- Specifications and template on box

SETUP AND INSTALLATION

The Pioneer TS-MR1640 marine speakers are designed for straightforward installation, allowing for seamless integration into most marine audio systems. These speakers are surface-mountable.

Installation Steps:

1. Carefully remove your existing speakers from their mounting location.
2. Position the new Pioneer TS-MR1640 speakers in the desired mounting area. Ensure the mounting surface is flat and secure.
3. Using the provided stainless steel screws and speed clips, secure the speakers firmly in place. No professional installation is typically required.
4. Connect the speaker wires to your marine audio system. Note that the speaker connectors may vary in size for positive and negative terminals; minor adjustments to existing wire connectors may be necessary to ensure a secure fit.
5. Test the audio system to ensure proper functionality and sound output.

Mounting Dimensions:

Refer to the diagram below for precise mounting dimensions:

Product Dimensions: 6.5"D x 6.5"W x 2.25"H

Mounting Depth: 2.25" (56 mm)

Speaker Grill Diameter: 6.875" (175 mm Dia.)

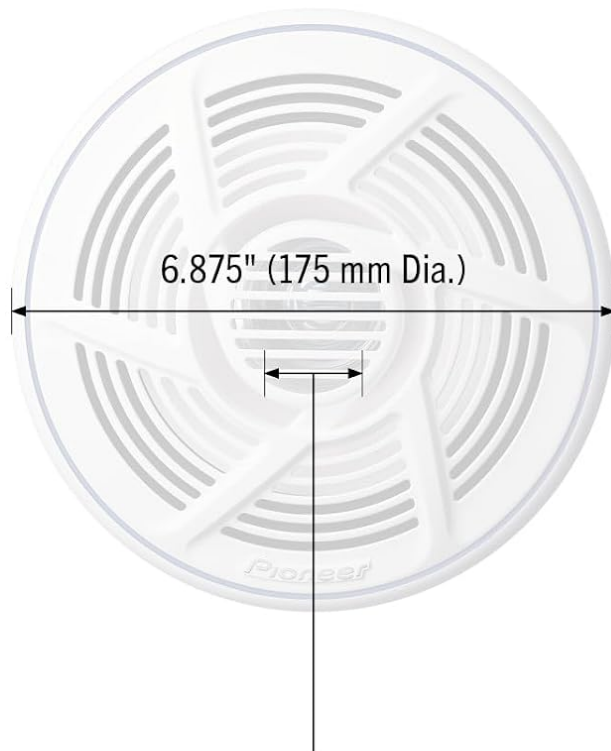
Speaker Diameter (overall): 6.625" (168 mm Dia.)

Tweeter Diameter: 1" (27 mm Dia.)

TS-MR1640 DIMENSIONS

Pioneer

Speaker grill



Tweeter 1" (27 mm Dia.)

Speaker



Image: Detailed diagram illustrating the dimensions of the TS-MR1640 speaker and its grill for accurate installation.

OPERATING INSTRUCTIONS

The TS-MR1640 speakers are designed to deliver powerful and clear audio for your marine adventures. To optimize your listening experience, consider the following:

- **Power Handling:** These speakers have a maximum power handling of 160 watts and a nominal power handling of 30 watts. For optimal performance and to achieve full sound potential, it is recommended to use these speakers with an amplifier capable of delivering sufficient power, as they may not perform optimally without one.
- **Sound Quality:** The dual-cone design provides full-range audio with rich lows and crisp highs. The integrated wave guide enhances vocals, ensuring clear and natural sound even in open-air marine environments.

- **Audio Source:** For the best sound reproduction, utilize high-quality audio sources such as streaming services or FLAC audio files. Lower quality audio sources like FM radio may not fully showcase the speakers' capabilities.

Elevate your audio experience.

The pair of 2-way 6.5" coaxial speakers are ideal for a wide variety of marine applications.

SENSITIVITY

91 dB

FREQUENCY RESPONSE

30 Hz – 30 kHz



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TS-MR1640

Image: A Pioneer marine speaker highlighting its ability to produce loud and clear audio without distortion, along with its power handling specifications.

MAINTENANCE

The Pioneer TS-MR1640 speakers are built with robust materials to withstand the marine environment. To ensure their longevity and continued performance, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe down the speaker grilles and cones with a soft, damp cloth to remove salt residue, dirt, and debris. Avoid using harsh chemicals or abrasive cleaners, as these can damage the water-resistant coatings and materials.
- **Protection:** While designed to be water-resistant and UV-resistant, prolonged exposure to direct sunlight and

extreme weather conditions can still impact the product over many years. Consider using a boat cover when the vessel is not in use to further protect the speakers.

- **Inspection:** Periodically check the mounting screws and wiring connections to ensure they remain secure and free from corrosion.

The advertisement features a large, detailed image of a white Pioneer TS-MR1640 marine speaker on the right side. The speaker has a circular design with a central tweeter and four larger drivers, all protected by a white grille with horizontal and vertical slats. The Pioneer logo is visible at the bottom of the speaker's frame. The background is a dark blue gradient with abstract white and light blue dotted patterns. On the left side, the text 'Loud and clear, without distortion.' is written in large, bold, white letters. Below this, in smaller white text, it says 'Protected from moisture and built to deliver excellent high frequencies for clear vocals.' Further down, the text 'POWER HANDLING' is in bold teal letters, followed by '160 W MAXIMUM' and '30 W CONTINUOUS' in white. At the bottom left, the model number 'TS-MR1640' is displayed in white. The Pioneer logo is also present in the top right corner of the advertisement area.

Pioneer

Loud and clear, without distortion.

Protected from moisture and
built to deliver excellent high
frequencies for clear vocals.

**POWER
HANDLING**
160 W MAXIMUM
30 W CONTINUOUS

TS-MR1640

Image: A Pioneer marine speaker emphasizing its water-ready and durable construction, featuring injection molded polypropylene (IMPP) cones.

TROUBLESHOOTING

If you encounter issues with your Pioneer TS-MR1640 marine speakers, consider the following common troubleshooting steps:

- **No Sound:**

- Check all wiring connections between the speakers and your audio system/amplifier. Ensure they are secure and correctly polarized (positive to positive, negative to negative).
 - Verify that your audio source (e.g., head unit, amplifier) is powered on and functioning correctly.
 - Confirm that the volume is turned up and not muted on your audio system.
- **Distorted Sound:**
 - Reduce the volume level. Distortion often occurs when the amplifier or speakers are overdriven.
 - Check for loose connections or damaged speaker wires.
 - Ensure the speakers are properly mounted and not vibrating against any surfaces.
 - **Intermittent Sound:**
 - Inspect wiring for any breaks, pinches, or corrosion, especially at connection points.
 - Ensure the audio source is stable and not experiencing interruptions.

If these steps do not resolve the issue, please refer to the support section for further assistance.

SPECIFICATIONS

Feature	Detail
Model Name	TS-MR1640
Speaker Type	Marine, Coaxial
Speaker Size	6.5 Inches
Maximum Power Output	160 Watts
Nominal Power Handling	30 Watts
Frequency Response	30Hz - 30kHz
Sensitivity	91dB
Impedance	4 Ohm
Mounting Type	Surface
Product Dimensions (D x W x H)	6.5" x 6.5" x 2.25"
Item Weight	4.2 Pounds
Water Resistance Level	Water Resistant
Color	White

Feature	Detail
Included Components	Two dual cone speakers, 2 Grilles, 8 Stainless steel speed clips, Eight 1-1/8" Stainless steel screws, Specifications and template on box, Warranty information

WARRANTY INFORMATION

The Pioneer TS-MR1640 Marine Speakers come with a **Limited Warranty**. For specific details regarding the terms, conditions, and duration of your warranty, please refer to the warranty card included in your product packaging. You may also visit the official Pioneer Mobile website or contact their customer support for comprehensive warranty information.

SUPPORT AND CONTACT

For additional support, technical assistance, or inquiries regarding your Pioneer TS-MR1640 Marine Speakers, please utilize the following resources:

- **Official User Guide (PDF):** For a detailed digital copy of the user guide, you can download the PDF version [here](#).
- **Pioneer Mobile Website:** Visit the official Pioneer Mobile website for product information, FAQs, and support contact details.
- **Customer Service:** If you require direct assistance, please contact Pioneer Mobile customer service through the contact information provided on their official website or in your product documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question