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› Pioneer TS-WX1010A 10-inch Active Subwoofer Instruction Manual

PIONEER TS-WX1010A

Pioneer TS-WX1010A 10-inch Active Subwoofer Instruction Manual

Model: TS-WX1010A

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Pioneer TS-WX1010A 10-inch active subwoofer. Please read this manual thoroughly before using the product to ensure optimal performance and safety. Keep this manual for future reference.



Image 1.1: Pioneer TS-WX1010A 10-inch active subwoofer and wired remote control.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product:

- **Power Supply:** Connect the subwoofer only to a 12V DC negative ground electrical system. Incorrect wiring can cause fire or malfunction.
- **Wiring:** Ensure all wiring is securely connected and properly insulated to prevent short circuits. Route cables away from moving parts and heat sources.
- **Installation Location:** Install the subwoofer in a location that does not obstruct the driver's view or interfere with vehicle operation. Avoid areas exposed to direct sunlight, high temperatures, or excessive moisture.
- **Volume Levels:** Prolonged listening at high volume levels can cause hearing damage. Adjust the volume to a safe and comfortable level.
- **Professional Installation:** If you are unsure about any installation steps, consult a qualified professional.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Pioneer TS-WX1010A Active Subwoofer (1 unit)
- Wired Remote Control (1 unit)
- Power Cable (1 unit)
- RCA Input Cable (1 unit)
- Mounting Brackets and Screws (Set)
- Instruction Manual (This document)

4. FEATURES

The Pioneer TS-WX1010A active subwoofer is designed to enhance your vehicle's audio system with powerful bass. Key features include:

- **Integrated Amplifier:** Features a high-bandwidth, low-distortion 300-watt Class D amplifier for efficient power delivery.
- **High Power Output:** Delivers 1100 Watts Maximum Power (300 Watts Nominal).
- **10-inch Subwoofer:** A 10-inch cone driver housed in a sealed enclosure for precise bass reproduction.
- **Wired Remote Control:** Allows for convenient adjustment of bass boost levels from the driver's seat.
- **Optimized Frequency Response:** Designed to reproduce low frequencies from 20 Hz to 125 Hz.
- **High Sensitivity:** Rated at 112 dB for efficient sound output.

Made for deep, smooth bass



**POWER
HANDLING**
1100W MAXIMUM
300W CONTINUOUS

**WIRED
REMOTE**
FOR VARIABLE
BASS BOOST



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TS-WX1010A

Image 4.1: Power handling specifications and wired remote feature.

Performance on a budget.



SENSITIVITY

112 dB



**FREQUENCY
RESPONSE**

20Hz – 125Hz



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TS-WX1010A

Image 4.2: Sensitivity and frequency response specifications.

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. Follow these guidelines carefully.

5.1 Choosing an Installation Location

Select a secure and stable location within your vehicle. Common locations include the trunk, under a seat, or behind a rear seat. Ensure the location allows for adequate ventilation and does not interfere with vehicle safety features or passenger comfort.

Innovative design for installation flexibility

Fully carpeted for scratch
resistance and durability.



Image 5.1: The compact design of the TS-WX1010A allows for flexible installation options.

5.2 Mounting the Subwoofer

Use the provided mounting brackets and screws to secure the subwoofer firmly to a solid surface in your chosen location. Ensure the subwoofer is stable and will not shift during vehicle movement.

5.3 Wiring Connections

Follow the wiring diagram provided in the separate installation guide (if applicable) or consult a professional. General wiring steps include:

1. **Power Connection:** Connect the power cable directly to the vehicle's battery (positive terminal) using an appropriate fuse (not supplied, typically 30A-40A) as close to the battery as possible.
2. **Ground Connection:** Connect the ground cable to a clean, unpainted metal part of the vehicle chassis. Ensure a good electrical contact.
3. **Remote Turn-On:** Connect the remote turn-on wire to the remote output of your car stereo. This will turn the subwoofer on and off with your stereo.
4. **Audio Input:** Connect the RCA input cable from your car stereo's subwoofer output (or full-range output if no dedicated subwoofer output is available) to the RCA input jacks on the subwoofer. If your stereo does not have RCA outputs, a high-level input converter may be required (not supplied).

5. **Wired Remote:** Connect the wired remote control cable to the designated port on the subwoofer.

After all connections are made, double-check them for security and proper insulation before restoring power to the vehicle's electrical system.

6. OPERATION

Once installed, you can begin operating your Pioneer TS-WX1010A subwoofer.

6.1 Initial Power-Up

Turn on your car stereo. The subwoofer should power on automatically via the remote turn-on wire. Start with the subwoofer's gain control (if available on the unit or remote) set to minimum.

6.2 Adjusting Settings with the Wired Remote

The wired remote control allows you to adjust the bass boost level. Rotate the knob to increase or decrease the bass output to your preference. Adjust this setting in conjunction with your car stereo's volume and equalizer settings for balanced sound.

6.3 Gain Control (if applicable)

The gain control on the subwoofer unit matches the output level of your car stereo to the subwoofer's input. To set the gain:

1. Set your car stereo's volume to about 75% of its maximum.
2. Play a music track with strong bass.
3. Slowly increase the subwoofer's gain control until you hear distortion, then back it off slightly until the sound is clear.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your subwoofer.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the subwoofer. Do not use harsh chemicals or abrasive cleaners.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure that the subwoofer's amplifier section has adequate airflow and is not obstructed by objects.

8. TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	No power; Remote turn-on not connected; RCA cables loose/damaged; Gain set too low.	Check power and ground connections; Verify remote turn-on wire is connected to stereo; Inspect RCA cables; Increase gain control.

Problem	Possible Cause	Solution
Distorted sound	Gain set too high; Input signal too strong; Damaged speaker.	Reduce gain; Check stereo output level; Consult a professional for speaker inspection.
Subwoofer turns off intermittently	Overheating; Loose power/ground connection; Faulty remote turn-on.	Ensure adequate ventilation; Check all power connections; Inspect remote turn-on wire.
Weak bass output	Gain set too low; Phase issue; Incorrect crossover settings on stereo.	Increase gain; Check phase setting on stereo/subwoofer (if available); Adjust crossover frequency on stereo.

If the problem persists after attempting these solutions, contact Pioneer customer support or a qualified service technician.

9. SPECIFICATIONS

Detailed technical specifications for the Pioneer TS-WX1010A active subwoofer:

Specification	Value
Model Name	TS-WX1010A
Speaker Type	Active Subwoofer
Subwoofer Diameter	10 Inches
Maximum Output Power	1100 Watts
Nominal Output Power	300 Watts
Frequency Response	20 Hz – 125 Hz
Sensitivity	112 dB
Enclosure Type	Sealed
Material	Plastic
Color	Black
Product Dimensions (D x W x H)	29.2 cm x 52.1 cm x 40.6 cm (11.5" x 20.5" x 16")
Item Weight	8.67 kg (19.13 lbs)
Control Method	Remote (Wired)
Power Source	Battery Powered (12V DC Vehicle System)
Compatible Devices	Car Stereo System, MP3 Player, Smartphone, Tablet

Subwoofer



Image 9.1: Dimensions of the TS-WX1010A subwoofer.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Pioneer website. Keep your purchase receipt as proof of purchase.

For technical support, troubleshooting assistance, or service inquiries, please contact Pioneer customer support through their official channels. Contact information can typically be found on the Pioneer website or in the product packaging.

- **Online Support:** [Pioneer Electronics Official Website](#)
- **Service Centers:** Refer to the Pioneer website for authorized service center locations.