

Pioneer GXT-3730B

Pioneer GXT-3730B Subwoofer and Amplifier Package Instruction Manual

Model: GXT-3730B

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Pioneer GXT-3730B Subwoofer and Amplifier Package. This package is designed to enhance your audio system by delivering powerful bass. It includes a 30 cm subwoofer pre-loaded in a sealed enclosure, a compact 2-channel bridgeable amplifier, and a complete amplifier cable set for straightforward installation.

Please read this manual thoroughly before attempting installation or operation to ensure proper use and to prevent damage to the unit or your vehicle.

2. PRODUCT OVERVIEW

The Pioneer GXT-3730B package combines a high-performance subwoofer with a matching amplifier, optimized for ease of installation and powerful bass output.

Key Components:

- **TS-A30S4 Subwoofer:** A 30 cm (11.8 inch) subwoofer with a reinforced IMPP cone, pre-installed in a sealed enclosure.
- **GM-A3702 Amplifier:** A compact, bridgeable 2-channel amplifier.
- **Amplifier Cable Set:** Includes all necessary cables for installation.

Features:

- **Powerful Bass:** 1400 W maximum power output / 400 W RMS.
- **Auto Turn On/Off:** Convenient feature for easy connection to audio systems using speaker inputs.
- **Low Pass Filter (LPF):** Integrated LPF ensures the subwoofer receives the ideal frequency range for solid bass.
- **Frequency Response:** 22 Hz - 1.6 kHz.



Image 1: The Pioneer GXT-3730B package, showing the sealed subwoofer enclosure and the compact amplifier.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional installer.

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all items listed in the 'Product Overview' section are present.

3.2 Placement

- **Subwoofer:** The sealed enclosure is designed for flexible placement. Typically, it is placed in the trunk of a vehicle. Ensure it is securely fastened to prevent movement during driving.
- **Amplifier:** Choose a location that is dry, well-ventilated, and protected from direct sunlight or excessive heat. Common locations include under a seat or in the trunk. Ensure sufficient space for wiring and heat dissipation.

3.3 Wiring Connections

The included amplifier cable set simplifies the wiring process. Follow these general steps:

1. **Power Connection:** Connect the power cable from the amplifier directly to the vehicle's battery. Ensure an inline fuse is installed close to the battery for protection.
2. **Ground Connection:** Connect the ground cable from the amplifier to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On:** If your head unit has a remote turn-on lead, connect it to the amplifier's remote input. If not, the amplifier's 'Auto Turn On/Off' feature can be used via speaker-level inputs.

4. Audio Input:

- **RCA Inputs:** For head units with RCA pre-outs, connect RCA cables from the head unit to the amplifier's RCA inputs.
- **Speaker Level Inputs:** If your head unit lacks RCA outputs, connect the speaker wires from the head unit to the amplifier's speaker-level inputs. This will also activate the 'Auto Turn On/Off' feature.

5. **Subwoofer Connection:** Connect the amplifier's speaker outputs to the subwoofer's input terminals. Ensure correct polarity (+ to + and - to -). The GM-A3702 amplifier can be bridged for mono subwoofer operation, which is recommended for this package. Refer to the amplifier's specific manual for bridging instructions.



Image 2: Close-up view of the Pioneer TS-A30S4 subwoofer cone, highlighting its design.



Image 3: Cutaway diagram of the Pioneer TS-A30S4 subwoofer, illustrating its internal components and construction.

4. OPERATING INSTRUCTIONS

Once installed, follow these steps for basic operation:

1. **Power On:** Turn on your vehicle's ignition and head unit. The amplifier should power on automatically (if connected via remote turn-on or speaker-level inputs).
2. **Gain Adjustment:** Start with the amplifier's gain control set to minimum. Play a familiar audio track with strong bass. Slowly increase the gain until the bass output blends well with your main speakers without distortion. Avoid setting the gain too high, as this can cause clipping and damage to the subwoofer.

3. **Low Pass Filter (LPF):** The amplifier features an integrated LPF. This filter allows only low frequencies to pass to the subwoofer. Adjust the LPF frequency control to blend the subwoofer's output seamlessly with your main speakers. A common starting point is around 80-100 Hz.
4. **Bass Boost (if available):** Use the bass boost feature sparingly, if at all. Excessive bass boost can lead to distortion and potential damage.
5. **Power Off:** Turn off your head unit and vehicle ignition. The amplifier will power off automatically.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Pioneer GXT-3730B package.

- **Cleaning:** Keep the subwoofer enclosure and amplifier clean and free of dust. Use a soft, dry cloth. Do not use liquid cleaners directly on the components.
- **Ventilation:** Ensure the amplifier's heat sinks are not obstructed to allow for proper cooling.
- **Connections:** Periodically check all wiring connections for tightness and corrosion. Loose connections can lead to poor performance or damage.
- **Environment:** Avoid exposing the unit to extreme temperatures, direct sunlight, or excessive moisture. The unit is not waterproof.

6. TROUBLESHOOTING

If you experience issues with your Pioneer GXT-3730B package, refer to the following common problems and solutions:

- **No Sound from Subwoofer:**
 - Check all power and ground connections.
 - Verify the remote turn-on wire is connected and receiving power, or that speaker-level inputs are correctly wired for auto turn-on.
 - Ensure RCA or speaker-level audio input cables are securely connected.
 - Check the amplifier's fuse.
 - Confirm the head unit's subwoofer output is enabled and volume is up.
- **Distorted Sound:**
 - Reduce the amplifier's gain setting.
 - Check for loose speaker wires or damaged cables.
 - Ensure the LPF is set appropriately; a setting too high can cause distortion.
 - Reduce bass boost if it is enabled.
- **Amplifier Overheating:**
 - Ensure the amplifier has adequate ventilation and its heat sinks are not blocked.
 - Reduce the gain setting.
 - Check the impedance of the subwoofer connection; ensure it matches the amplifier's specifications.
- **Humming or Noise:**
 - Check the ground connection for a solid, clean contact.
 - Ensure RCA cables are not running parallel to power cables.
 - Try a ground loop isolator if the hum persists.

If these steps do not resolve the issue, contact Pioneer customer support or a qualified service technician.

7. SPECIFICATIONS

Model Name	GXT-3730B
Brand	Pioneer
Subwoofer Type	TS-A30S4 (30 cm / 11.8 inch)
Amplifier Type	GM-A3702 (2-channel, bridgeable)
Maximum Power Output	1400 Watts
RMS Power Output	400 Watts
Frequency Response	22 Hz - 1.6 kHz
Connections	RCA, Speaker Level Inputs
Special Features	Integrated Low Pass Filter, Auto Turn On/Off
Components Included	Subwoofer, Amplifier, Cable Set
Product Dimensions (L x W x H)	43.5 x 36 x 50 cm
Item Weight	1.4 Kilograms (Note: This weight seems unusually low for the entire package and may refer to a single component or be an error in source data. Refer to product packaging for accurate total weight.)
Color	Black/Grey
Material	Aluminium (for amplifier chassis)
Power Source	AC adapter (Note: This is typically for home use; for car audio, it connects to the vehicle's 12V DC system.)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or consult the retailer where the product was purchased. Pioneer provides customer support for product inquiries, technical assistance, and service requests.

Please visit the official Pioneer website or contact their customer service for the most up-to-date support information.