

Gravity AGR-502BT

Gravity AGR-502BT Double Din In-Dash Car Entertainment System User Manual

Model: AGR-502BT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Gravity AGR-502BT Double Din In-Dash Car Entertainment System. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage. Keep this manual for future reference.

2. SAFETY INFORMATION

- Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- Ensure proper wiring connections to prevent short circuits or electrical damage. Consult a professional for installation if unsure.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.
- Keep the volume at a level that allows you to hear outside traffic sounds.

3. PACKAGE CONTENTS

Verify that all items are present in the package before installation.

- Gravity AGR-502BT Car Entertainment System Unit
- Wiring Harness
- Mounting Hardware (screws, brackets)
- Owner's Manual



Image: Contents of the Gravity AGR-502BT package, showing the main unit, wiring harness, mounting hardware, and the owner's manual.

4. INSTALLATION

Professional installation is highly recommended for this product. Incorrect wiring can cause severe damage to the unit or your vehicle's electrical system.

4.1 Wiring Connections

Refer to the wiring diagram provided with your unit and in the owner's manual for specific connections. Ensure all connections are secure and properly insulated.

- **Yellow Wire:** Connect to constant 12V power supply.
- **Red Wire:** Connect to accessory 12V power supply (switched with ignition).
- **Black Wire:** Connect to vehicle ground.
- **Blue Wire:** Connect to power antenna or amplifier remote turn-on.
- **Speaker Wires:** Connect to appropriate vehicle speakers (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right). Ensure correct polarity.



Image: Rear and side view of the Gravity AGR-502BT unit, illustrating the chassis and various connection points for wiring and mounting.

4.2 Mounting the Unit

Install the unit into the double-DIN opening of your vehicle's dashboard using the supplied mounting brackets and screws. Ensure the unit is securely fastened to prevent movement during driving.

5. INITIAL SETUP

5.1 Powering On/Off

Press the **Power/Mode** button (usually located on the top left) to turn the unit on or off.

5.2 Setting the Clock

1. Press the **CLK** button. The time display will flash.
2. Use the **Volume Knob** or **Seek** buttons to adjust the hours.
3. Press the **CLK** button again to switch to minutes adjustment.
4. Use the **Volume Knob** or **Seek** buttons to adjust the minutes.
5. Press the **CLK** button once more or wait a few seconds for the setting to be saved.



Image: Detailed view of the Gravity AGR-502BT front panel, highlighting the display, control knob, and various function buttons such as CLK, MOD, and BND/TEL.

6. OPERATING INSTRUCTIONS

6.1 Basic Controls

- **Power/Mode Button:** Short press to cycle through audio sources (Radio, CD, USB, SD, AUX, Bluetooth). Long press to turn the unit on/off.
- **Volume Knob:** Rotate to adjust volume level. Press to access audio settings (Bass, Treble, Balance, Fader, EQ).
- **BND/TEL Button:** In radio mode, short press to change radio bands (FM1, FM2, FM3, AM1, AM2). Long press to answer/end a Bluetooth call.

6.2 Radio Operation

- **Tuning:** Use the **Seek** buttons (◀◀ / ▶▶) to automatically search for the next strong station.
- **Manual Tuning:** Long press the **Seek** buttons to enter manual tuning mode, then short press to adjust frequency step-by-step.
- **Storing Presets:** Tune to the desired station, then long press one of the numeric preset buttons (1-6) to save the station.
- **Recalling Presets:** Short press a numeric preset button (1-6) to recall a saved station.

6.3 CD/MP3 Playback

- Insert a CD into the disc slot. The unit will automatically switch to CD mode and begin playback.
- Use the **Track Skip** buttons (◀ / ▶) to skip tracks.
- Press the **Play/Pause** button (usually the center of the seek buttons) to pause or resume playback.
- **RPT (Repeat):** Press to repeat the current track.

- **RDM (Random):** Press to play tracks in random order.

6.4 USB/SD Card Playback

- Insert a USB drive into the USB port or an SD card into the SD card slot. The unit will automatically switch to USB/SD mode and begin playback of compatible audio files (MP3, WMA, WAV).
- Playback controls are similar to CD playback.

6.5 Bluetooth Operation

- **Pairing:**
 - Ensure Bluetooth is enabled on your mobile device.
 - Select Bluetooth mode on the AGR-502BT using the **Mode** button. The display will show "BT" or "PAIRING".
 - On your mobile device, search for available Bluetooth devices and select "AGR-502BT".
 - If prompted for a password, enter "0000".
 - Once paired, the unit will display "CONNECTED" or a similar indicator.
- **Making/Receiving Calls:**
 - To answer an incoming call, press the **BND/TEL** button.
 - To end a call, press the **BND/TEL** button again.
 - To make a call, dial from your phone; audio will transfer to the unit.
- **Bluetooth Audio Streaming (A2DP):** Once paired, audio from your mobile device will stream wirelessly to the AGR-502BT. Use the unit's track skip buttons to control playback.

6.6 Auxiliary Input

Connect an external audio device (e.g., MP3 player) to the 3.5mm AUX input jack on the front panel. Select AUX mode using the **Mode** button. Audio will play through the car speakers.

7. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel. Do not use abrasive cleaners or solvents.
- **Disc Care:** Handle CDs by their edges. Clean discs with a soft, lint-free cloth, wiping from the center outwards.
- **Fuse Replacement:** If the unit does not power on, check the fuse located at the rear of the unit. Replace with a fuse of the same amperage rating only.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle ignition off.	Check wiring connections (Yellow, Red, Black wires). Replace fuse if blown. Turn vehicle ignition to ACC or ON.
No sound	Volume too low; Mute activated; Incorrect speaker wiring; Amplifier not powered.	Increase volume. Deactivate mute. Check speaker connections and polarity. Ensure external amplifier is powered.

Problem	Possible Cause	Solution
Bluetooth not connecting	Bluetooth not enabled on device; Unit not in pairing mode; Incorrect password.	Ensure Bluetooth is on your phone. Select BT mode on unit. Re-attempt pairing. Enter "0000" if prompted.
CD/USB/SD error	Disc/device damaged or incompatible format; Dirty disc.	Try a different disc/device. Ensure files are compatible (MP3, WMA, WAV). Clean disc.
Radio presets not saved	Yellow (constant power) wire not connected or fuse blown.	Verify the yellow wire is connected to a constant 12V source. Check fuse.
Display too bright at night	No dimming function or dimming wire not connected.	This model may not feature adjustable display dimming. Ensure illumination wire (if present) is connected to vehicle's dimmer circuit.

9. SPECIFICATIONS

- **Model Number:** AGR-502BT
- **Brand:** Gravity
- **Connectivity Technology:** Auxiliary, Bluetooth, USB
- **Special Features:** SD Card Input
- **Compatible Devices:** Smartphone, Speaker
- **Connector Type:** 3.5mm Jack, USB
- **Audio Output Mode:** Mono, Stereo
- **Color:** Black
- **Number of Channels:** 4
- **Output Wattage:** 300 Watts
- **Wireless Technology:** Bluetooth
- **Supported Formats:** WAV, WMA, MP3 (from CD/USB/SD)
- **UPC:** 701160327968

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or contact Gravity customer service. Keep your proof of purchase for warranty claims.

Manufacturer: Gravity