

USER MANUAL

G.T. POWER Bluetooth RC Car Sounds & Lights Simulated System

Thank you for purchasing the G.T. POWER Bluetooth version car sound and light simulation system. This product features a powerful sound synthesis processor and a high-efficiency amplifier, combined with an acoustically optimized speaker. Using a dedicated mobile app, you can wirelessly configure parameters, adjust light effects, and choose from 58 different engine sounds.

1. Specifications

- **Operating Voltage (Control Box):** 4.5V – 6.0V (powered by the receiver)
- **Amplifier & Speaker Power Supply:** 6V – 26V (2S - 6S LiPo, connected directly to the main battery via T-plug)
- **Maximum Output Power (Audio):** 10W
- **Speaker Size:** 80 x 57 x 30 mm
- **Control Module Size:** 67 x 44 x 15 mm

2. Connection Diagram (How to Wire)

The module reads the signals sent from your transmitter to the car's speed controller (ESC) and steering servo.

1. **Throttle Channel (TH):** Disconnect the electronic speed controller (ESC) cable from your radio receiver (usually Channel 2). Insert one of the provided Y-harness cables into the receiver's Channel 2. Plug your ESC cable into one end of the Y-harness. Connect the remaining end of the Y-harness into the port marked "ESC (-)" on the G.T. Power control box.
2. **Steering Channel (ST):** Disconnect the steering servo cable from your receiver (usually Channel 1). Insert the second Y-harness cable into the receiver's Channel 1. Plug your steering servo cable into one end of the Y-harness. Connect the remaining end into the port marked "SERVO" on the G.T. Power control box.
3. **Power Supply Connection:** Connect the T-plug (Deans) in parallel with your car's main drive battery to provide sufficient voltage (6V-26V) for the audio amplifier.
4. **LED Connections:** Plug the provided LED cables into their dedicated light ports on the control box (labeled for headlights, taillights, turn signals, and brake lights).

3. Throttle Calibration (Crucial Before First Run)

To ensure the engine sound accurately matches your acceleration and braking, you must calibrate the module to your specific transmitter.

1. Turn on your **radio transmitter** first. Ensure your throttle trim is set to the center (0) position.

2. Press and hold the **"Enter" button** on the G.T. Power control box while turning on the power to your car (ESC/receiver).
3. The module will emit a series of rapid beeps (Beep-beep-beep...), indicating it has entered calibration mode. Release the button.
4. **Neutral Position:** Leave the throttle trigger on your transmitter completely untouched (neutral). Short press the **"Enter" button** once. The module will beep once.
5. **Full Throttle:** Pull the throttle trigger to the maximum position (full acceleration) and hold it there. Short press the **"Enter" button** once. The module will beep twice.
6. **Full Brake/Reverse:** Push the throttle trigger to the maximum forward position (full brake/reverse) and hold it there. Short press the **"Enter" button** once. The module will beep three times.
7. Calibration is complete. The module will now initialize and start with a standard idle engine sound.

4. Bluetooth App Installation & Usage

Configuration of sounds and settings is handled wirelessly via your smartphone.

1. **Download the App:** Go to the App Store or Google Play Store. Search for "GT-POWER" or "RC Vehicle Simulator" (published by Shenzhen G.T. Hobbies).
2. **Connect to the Module:** Power on your RC car so the sound module receives power. Enable **Bluetooth** on your smartphone (Note: Do *not* try to pair the device within your phone's standard system Bluetooth settings). Open the app and tap the "Connect" button inside the app interface. Select your device from the list.
3. **App Features:** Choose from 58 available audio profiles (V8, turbo blow-off, diesel, sirens, etc.), adjust the master volume level, and configure how the LED light sequences behave.

5. Troubleshooting

- **No sound upon startup:** Check if the T-plug power cable is securely connected to the main drive battery. The module cannot play sound using only the low voltage supplied by the radio receiver.
- **Sound does not follow throttle inputs or cuts out:** Perform the Throttle Calibration (Step 3) again. Also, ensure all Y-harness connectors are firmly pushed into the receiver.
- **App cannot find the device:** Force close the app, turn the RC car's power off and on again, ensure Location Services (GPS) are enabled on your phone (required by some Android versions for Bluetooth scanning), and try scanning through the app again.