

## Steelpro Technologies CARBON-903B

# Steelpro Technologies CARBON-903B Car Stereo User Manual

Model: CARBON-903B

## 1. IMPORTANT SAFETY INSTRUCTIONS

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Please read all instructions carefully before installation and operation. Keep this manual for future reference.

- **Professional Installation Recommended:** For optimal performance and safety, it is highly recommended to have this product installed by a qualified professional.
- **Power Supply:** This unit is designed for a 12V DC negative ground electrical system.
- **Avoid Moisture:** Do not expose the unit to rain or moisture to prevent fire or electric shock.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.
- **Wiring:** Connect all wires correctly according to the wiring diagram to avoid damage to the unit or vehicle.
- **Volume Control:** Keep the volume at a level where you can still hear outside traffic sounds.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Steelpro Technologies CARBON-903B Car Stereo Unit
- Remote Control
- Wiring Harness
- User Manual (this document)

## 3. PRODUCT OVERVIEW

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### 3.1 Key Features

- Bluetooth v5.0 for hands-free calling and audio streaming

- USB 2.0 port with fast charging capability
- Auxiliary (AUX) input for external audio devices
- FM Radio tuner
- Preset Equalizer (EQ) modes
- LCD Display
- RGB light-up feature
- Remote control included
- 300 Watts maximum power output

### 3.2 Front Panel Layout



This image displays the front panel of the Steelpro Technologies CARBON-903B car stereo. Key features visible include the central rotary knob, LCD display, USB port, microphone, and various control buttons for mode, mute, track navigation, and band selection. The unit features red backlighting around the central knob and buttons.

### 3.3 Remote Control



This image shows the Steelpro Technologies CARBON-903B car stereo from a slight angle, alongside its included remote control. The car stereo's front panel is visible with blue backlighting, and the remote control features numerous buttons for volume, track, mode, and other functions, providing convenient wireless operation.

## 4. INSTALLATION GUIDE

**Warning:** Incorrect wiring can cause serious damage to the unit or your vehicle. If you are unsure about any part of the installation, consult a qualified car audio technician.

### 4.1 Wiring Diagram (General)

The included wiring harness will have color-coded wires. Refer to the diagram provided with your specific harness for exact connections. Below is a general guide:

- **Yellow:** Constant 12V (Battery Positive)
- **Red:** Switched 12V (Accessory/Ignition)
- **Black:** Ground (Chassis Ground)
- **Blue:** Power Antenna / Amplifier Remote Turn-On
- **Speaker Wires:** Typically pairs of solid and striped wires (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.

## 4.2 Mounting the Unit

1. Remove the existing car stereo from your vehicle's dashboard.
2. Install the mounting sleeve (if applicable) into the dashboard opening.
3. Make all necessary electrical connections using the wiring harness.
4. Slide the CARBON-903B unit into the mounting sleeve until it locks into place.
5. Test all functions before reassembling the dashboard trim.

## 5. BASIC OPERATION

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### 5.1 Power On/Off

- Press the **PWR/MOD** button to turn the unit ON.
- Press and hold the **PWR/MOD** button to turn the unit OFF.

### 5.2 Volume Control

- Rotate the central knob clockwise to increase volume.
- Rotate the central knob counter-clockwise to decrease volume.

### 5.3 Mode Selection

- Press the **PWR/MOD** button repeatedly to cycle through available modes: FM, USB, AUX, Bluetooth.

### 5.4 Mute Function

- Press the **MUTE** button to instantly silence the audio. Press again to restore volume.

### 5.5 Setting the Clock

- With the unit ON, press the **CLK** button to display the time.
- Press and hold the **CLK** button until the hour digits flash.
- Use the **VOL +/-** (rotary knob) or **PREV/NEXT** buttons to adjust the hour.
- Press **CLK** again to switch to minute adjustment.
- Use the **VOL +/-** or **PREV/NEXT** buttons to adjust the minutes.
- Press **CLK** once more to save and exit.

## 6. AUDIO PLAYBACK

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## 6.1 Bluetooth Operation

### 1. Pairing:

- Turn on the car stereo.
- Enable Bluetooth on your mobile device.
- Search for available devices and select "CARBON-903B" (or similar name).
- If prompted for a password, enter "0000".
- Once paired, the Bluetooth icon on the stereo's display will illuminate.

2. **Audio Streaming:** Play music from your paired device. Use the **PREV/NEXT** buttons on the stereo or remote to skip tracks.

### 3. Hands-Free Calling:

- When a call comes in, the unit will display the caller ID (if supported).
- Press the **Answer** button (often the central knob or a dedicated phone button) to accept the call.
- Press the **End Call** button to hang up.

## 6.2 USB Playback

1. Insert a USB flash drive into the USB port. The unit will automatically switch to USB mode and begin playback.
2. Use the **PREV/NEXT** buttons to skip tracks.
3. Press the **RPT** button for repeat playback (e.g., repeat current track, repeat all).
4. Press the **RDM** button for random playback.

## 6.3 AUX Input

1. Connect an external audio device (e.g., MP3 player, smartphone) to the AUX input jack using a 3.5mm audio cable.
2. Press the **PWR/MOD** button until "AUX" is displayed.
3. Control playback from your external device.

## 6.4 FM Radio Operation

1. Press the **PWR/MOD** button to select FM mode.
2. **Automatic Scan:** Press and hold the **BND** button to automatically scan and store strong stations into presets.
3. **Manual Tuning:** Press the **PREV/NEXT** buttons briefly to fine-tune the frequency. Press and hold to seek the next strong station.
4. **Preset Stations:** Use the numbered buttons (1-6) to select stored preset stations. To store a station, tune to the desired frequency, then press and hold a numbered button (1-6) until you hear a beep.

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## 7. AUDIO SETTINGS

### 7.1 Equalizer (EQ)

- Press the **EQ** button repeatedly to cycle through preset equalizer modes such as POP, ROCK, CLASS, JAZZ, FLAT, etc.

## 7.2 Bass/Treble/Balance/Fader

- Press the central knob (or a dedicated **AUDIO** button if available) repeatedly to access audio settings like BASS, TREBLE, BALANCE (left/right), and FADER (front/rear).
- Rotate the central knob to adjust the selected setting.

## 8. TROUBLESHOOTING GUIDE

If you encounter issues, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Loose connection	Check power and ground wires; Replace fuse; Secure connections.
No sound	Speaker wires disconnected; Volume too low; Mute function active	Check speaker connections; Increase volume; Deactivate mute.
Bluetooth not connecting	Bluetooth not enabled on device; Unit not in pairing mode; Device too far	Ensure Bluetooth is ON; Put unit in pairing mode; Bring device closer.
USB not playing	Unsupported file format; Corrupt USB drive; USB not inserted correctly	Ensure files are MP3/WMA; Try another USB drive; Reinsert USB.
Radio static/poor reception	Antenna not connected; Weak signal area	Check antenna connection; Try tuning to a stronger station.

## 9. TECHNICAL SPECIFICATIONS

- **Model:** CARBON-903B
- **Brand:** Steelpro Technologies
- **Connectivity:** Bluetooth, USB, Auxiliary (AUX)
- **Bluetooth Version:** v5.0 (Hands-Free)
- **USB Port:** 2.0 (Fast Charging)
- **Max Power Output:** 300 Watts
- **Audio Output Mode:** Stereo
- **Speaker Channel Configuration:** 5 (channels)
- **Amplification Type:** Active
- **Special Features:** Integrated Bluetooth, RGB light up, Preset Equalizer, LCD display, Remote control
- **Power Source:** 12V DC (Vehicle Battery)
- **Product Dimensions:** 10 x 22 x 17 cm
- **Product Weight:** 640 g

## 10. CARE AND MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit's surface. Do not use abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the unit to extreme temperatures (hot or cold) or direct sunlight for extended periods.
- **Moisture:** Keep the unit dry. If it comes into contact with liquids, turn it off immediately and allow it to dry completely before use.

## 11. WARRANTY AND SUPPORT

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Steelpro Technologies products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

For specific warranty terms, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Steelpro Technologies website. Contact information for support may vary by region.