

[Manuals.plus](#) /

› [Nulaxy](#) /

› Nulaxy 54W Bluetooth 5.3 Car Adapter User Manual

Nulaxy BC91

Nulaxy 54W Bluetooth 5.3 Car Adapter User Manual

Model: BC91 | Brand: Nulaxy

1. PRODUCT OVERVIEW

The Nulaxy BC91 Bluetooth 5.3 Car Adapter is a versatile device designed to enhance your in-car audio and charging experience. It features high-power fast charging with four ports, including PD36W and QC18W, ensuring efficient power delivery to multiple devices simultaneously. With revolutionary Bluetooth 5.3 technology, it offers improved connection speed and data transmission for clear calls and music playback. Enjoy stunning deep bass effects and five vibrant LED lighting options for a personalized ambiance. The adapter also supports smart voice commands and precise touch control for safe and convenient operation.



Image: Front view of the Nulaxy BC91 car adapter, showcasing its LED lighting, display, and multiple charging ports.

2. SAFETY INFORMATION

Important Safety Precautions:

- Keep the adapter away from water or moisture.
- Do not use it in wet conditions, as this can cause electrical shorts or damage.
- Ensure the adapter is securely plugged into the car's cigarette lighter socket.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not disassemble, repair, or modify the device.

3. PACKAGE CONTENTS

- Nulaxy BC91 Bluetooth Car Adapter
- User Manual (PDF version available online)

4. PRODUCT DIAGRAM



Image: Detailed view of the Nulaxy BC91 car adapter, highlighting its dimensions, speaker grille, display, control knob, and charging ports (QC3.0, PD36W, and two additional USB ports).

Component Identification:

1. **FM Display:** Shows current FM frequency and connection status.
2. **QC3.0 Port:** Quick Charge 3.0 USB-A port for fast charging compatible devices.
3. **PD36W Port:** Power Delivery 36W USB-C port for ultra-fast charging.
4. **Additional USB Ports:** Two standard USB-A ports for charging other devices.
5. **Multi-function Knob:** Controls volume, changes FM frequency, answers/ends calls, and activates bass boost.
6. **LED Light Ring:** Provides customizable ambient lighting.
7. **Microphone:** For hands-free calling.

5. SETUP INSTRUCTIONS

1. **Insert the Adapter:** Plug the Nulaxy BC91 into your car's 12V-24V cigarette lighter socket. The LED display will light up, indicating it's powered on.
2. **Tune FM Frequency:**
 - Press and hold the multi-function knob for 2-3 seconds until the FM frequency on the display starts flashing.
 - Rotate the knob left or right to select an empty FM frequency (one with no active radio station) on your car's radio.
 - Tune your car's FM radio to the same empty frequency selected on the Nulaxy adapter.
3. **Pair Bluetooth:**
 - On your smartphone, enable Bluetooth and search for available devices.

- Select "BC91" from the list of devices to pair.
- Once successfully paired, the adapter will announce "Bluetooth Connected" and the Bluetooth icon on the display will become solid.

Your Nulaxy BC91 is now ready for use. It will automatically connect to your paired device when you start your car.

6. OPERATING INSTRUCTIONS

Music Playback:

- **Play/Pause:** Short press the multi-function knob.
- **Next Track:** Short press the "Next" button (usually indicated by a forward arrow).
- **Previous Track:** Short press the "Previous" button (usually indicated by a backward arrow).
- **Volume Control:** Rotate the multi-function knob clockwise to increase volume, counter-clockwise to decrease.
- **Deep Bass Boost:** Press the "BASS" button on the side to activate or deactivate the deep bass effect.

Deep Bass, Exceptional Sound Quality

Audio Innovation at Your Fingertips



Image: The Nulaxy BC91 with the 'BASS' button on the side highlighted, indicating the deep bass feature.

Hands-Free Calling:

- **Answer Call:** Short press the multi-function knob.
- **End Call:** Short press the multi-function knob during a call.
- **Reject Call:** Press and hold the multi-function knob for 2 seconds.
- **Redial Last Number:** Double-press the multi-function knob.
- **Voice Commands:** The adapter supports smart voice navigation from your phone. Use your phone's voice assistant (e.g., Siri, Google Assistant) for hands-free control.

Hands-Free Operation:

Supports Voice Commands



Image: A user interacting with the Nulaxy BC91 for hands-free voice commands, showing the device's precision touch control.

LED Lighting:

- The Nulaxy BC91 features five colorful LED backlight options.
- Press the dedicated light button (usually indicated by a light bulb icon) to cycle through the different colors or turn the lights off.

Secure Night Time Traveling

Accurate Perception by Colorful Lights

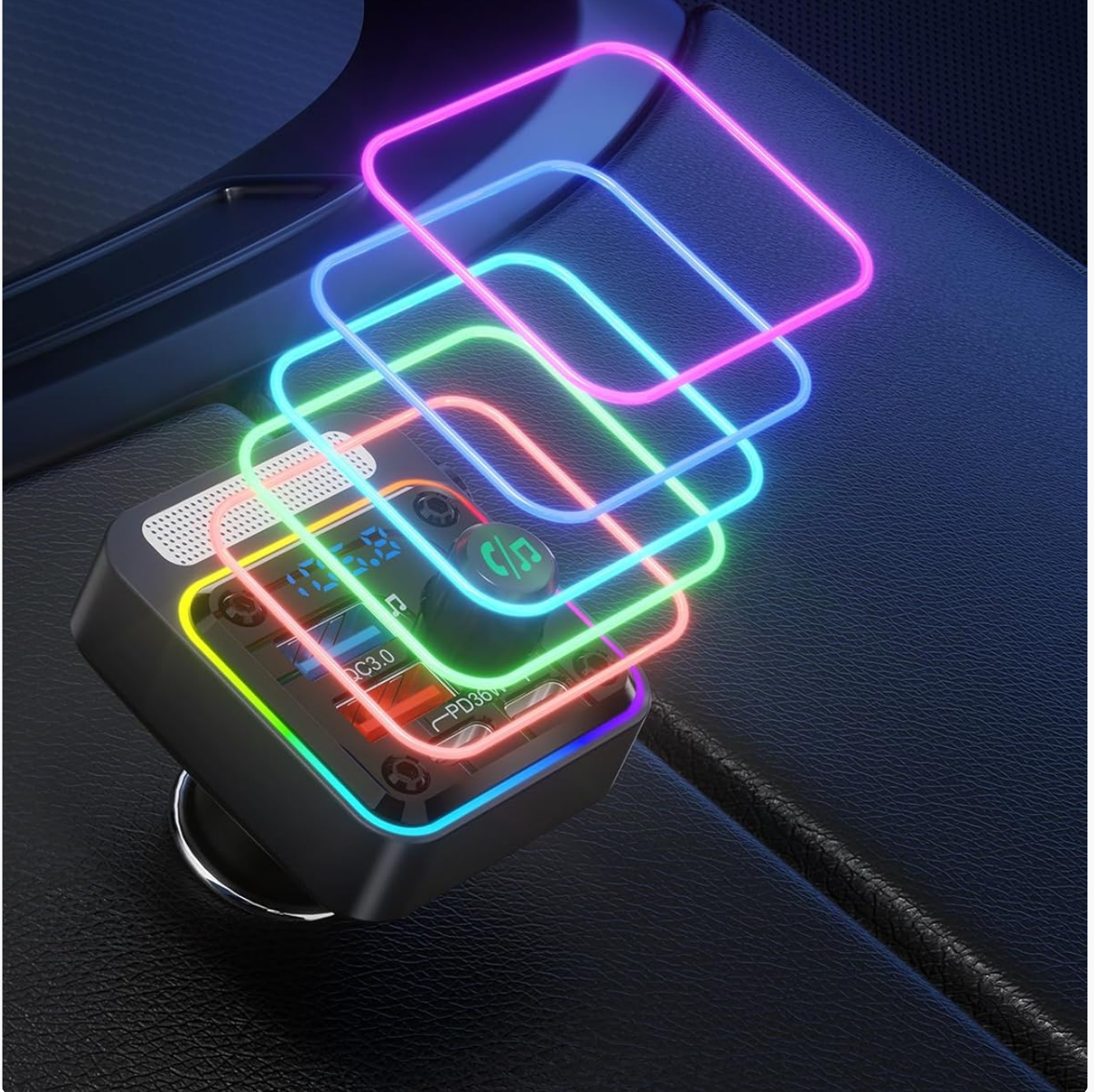


Image: The Nulaxy BC91 illuminating with colorful LED lights, designed for accurate perception during night driving.

7. CHARGING FEATURES

The Nulaxy BC91 is equipped with advanced charging capabilities to keep your devices powered on the go:

- **54W High Power Fast Charging:** Integrates PD36W (USB-C) and QC18W (USB-A) for rapid charging.
- **4-Port Synchronous Charging:** Supports simultaneous charging of up to four devices, including smartphones, tablets, and other USB-powered gadgets.

Four-Port Multi-Device Compatibility



Image: The Nulaxy BC91 connected in a car, simultaneously charging a smartphone, tablet, and action camera via its four ports.

8. MAINTENANCE

- Clean the adapter regularly with a soft, dry cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the cigarette lighter socket is clean and free of debris for optimal connection.

9. TROUBLESHOOTING

Problem	Possible Solution
No power/display off	Ensure the adapter is fully inserted into the cigarette lighter socket. Check the car's fuse for the cigarette lighter.
Poor FM sound quality/static	Change the FM frequency on both the adapter and your car radio to a clearer, unused channel. Ensure no strong radio signals are interfering.
Bluetooth not connecting	Ensure Bluetooth is enabled on your device and "BC91" is selected. Try unpairing and re-pairing the device. Restart both the adapter (by unplugging and replugging) and your phone.
Key fob/remote not working (specific to some car models like Ford Escape)	Some car models may experience interference with their key fob signal when the FM transmitter is plugged in. Unplug the Nulaxy adapter when using your key fob, then plug it back in.
Charging is slow or not working	Ensure your charging cable is not damaged and is compatible with fast charging standards (PD/QC). Check if the device being charged supports fast charging.

10. SPECIFICATIONS

- **Model:** BC91
- **Brand:** Nulaxy
- **Connectivity Technology:** Bluetooth 5.3, USB
- **Charging Ports:** 1x PD36W (USB-C), 1x QC18W (USB-A), 2x Standard USB-A
- **Total Power Output:** 54W
- **Input Voltage:** 12V-24V (compatible with most cars)
- **Special Features:** Hands-Free Calls, Colorful Lighting Effects (5 colors), Deep Bass, Built-In Microphone
- **Item Weight:** 2.39 ounces (approx. 0.07 kg)
- **Package Dimensions:** 4.13 x 2.68 x 2.24 inches

11. WARRANTY AND SUPPORT

Nulaxy offers a **12-Month Hassle-free Experience** for this product.
For any inquiries or support, please contact Nulaxy's **24/7 Online Customer Support**.
Visit the official Nulaxy website for more information and support: www.nulaxy.com
You can also find support information on their brand store: [Nulaxy Amazon Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question