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YuYue Electronic 220630C2

YuYue Electronic Bluetooth AUX Adapter for Audi RNS-E Navigation Systems

Model: 220630C2
Brand: YuYue Electronic

Introduction

This user manual provides comprehensive instructions for the installation and operation of your YuYue Electronic Bluetooth AUX Adapter. This device enables wireless audio streaming and hands-free calling functionality for compatible Audi RNS-E navigation systems.

Please read this manual thoroughly before installation and use to ensure proper function and to avoid damage to the product or your vehicle's audio system.

Important Safety Information

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation to prevent electrical shorts or damage.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Do not attempt to modify the adapter or its wiring.
- Route all cables securely to prevent interference with vehicle controls or moving parts.

Package Contents

Verify that all items are present in the package:

- 1x YuYue Electronic Bluetooth AUX Adapter (Model 220630C2)
- 1x Microphone with 3.5mm jack



Image: The complete Bluetooth AUX adapter kit, including the main module, wiring harness, and external microphone.

Compatibility

This Bluetooth AUX Adapter is compatible with the following vehicles and navigation systems:

- Audi A3, A4, A6, A8, R8, TT models equipped with RNS-E navigation systems.
- Lamborghini Gallardo models equipped with RNS-E navigation systems.
- Requires an RNS-E TV tuner connector with 32 pins.

Important Notes:

- Not suitable for vehicles with factory-fitted AMI (Audi Music Interface) or MMI (Multi Media Interface).
- The RNS-E navigation system must have a software index of at least 650 for proper functionality.
- In some vehicle models, after installation, coding to "AUX IN" may be required. Please consult an Audi workshop for assistance with coding.



Image: Illustration of the 32-pin AMP connector location on the rear of a compatible RNS-E navigation unit.

Installation Instructions

Follow these steps carefully to install the Bluetooth AUX Adapter:

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off. It is recommended to disconnect the car battery's negative terminal before proceeding to prevent any electrical issues.
2. **Access the RNS-E Unit:** Carefully remove the RNS-E navigation unit from the dashboard to access its rear connectors. Refer to your vehicle's service manual for specific instructions on how to safely remove the unit.
3. **Connect Power Cables:**
    - Connect the **red power cable** from the adapter to a switched 12V+ power source. This can often be found in the vehicle's wiring harness behind the radio.
    - Connect the **black power cable** from the adapter to a 12V- ground point. This can be a chassis ground or a ground wire in the vehicle's harness.



Image: Close-up of the adapter's wiring, showing the red (12V+) and black (12V-) power cables.

4. **Connect to RNS-E Jack:** Plug the 32-pin connector of the Bluetooth adapter into the corresponding jack on the back of the RNS-E navigation unit. This is typically the CD player jack or the TV tuner connector. Ensure it is securely seated.



Image: Detailed view of the 32-pin connector that plugs into the RNS-E unit.

5. **Connect Microphone:** Plug the external microphone into the 3.5mm jack on the Bluetooth module. Route the microphone cable to a suitable location, such as near the rearview mirror or sun visor, for optimal voice pickup during hands-free calls.
6. **Secure Wiring and Reinstall RNS-E:** Route all cables neatly and securely to prevent pinching or interference. Reinstall the RNS-E navigation unit back into the dashboard.
7. **Reconnect Battery:** Reconnect the vehicle's battery negative terminal.

Operating Instructions

1. **Power On:** Turn on your vehicle's ignition and the RNS-E navigation system.
2. **Select AUX Audio Source:** On your RNS-E unit, navigate through the audio source options until you select "AUX" or "CD Changer" (depending on your system's configuration). This will activate the input from the Bluetooth adapter.
3. **Pairing with Bluetooth Device:**
    - On your mobile phone or other Bluetooth-enabled device, go to the Bluetooth settings.

- Search for available devices. The adapter should appear as a discoverable device (e.g., "Bluetooth Music" or similar).
- Select the adapter to pair. No password is typically required.
- Once paired, your device will confirm the connection.

4. **Playing Music:** Once paired, you can play music from your mobile phone or other device. The audio will be transmitted wirelessly to your RNS-E system and played through your car's speakers. Control playback (play/pause, skip tracks) directly from your paired device.
5. **Hands-Free Calling:** When a call comes in, the audio will automatically switch to the hands-free mode. Speak into the external microphone for clear communication. End calls from your phone.

Troubleshooting

No Audio Output:

- Ensure the RNS-E unit is set to the correct AUX or CD Changer audio source.
- Verify that the Bluetooth adapter is correctly paired with your device and that music is playing on your device.
- Check all power and audio connections to the RNS-E unit.
- Confirm that the RNS-E software index is at least 650.
- If necessary, consult an Audi workshop to code the RNS-E unit to "AUX IN".

Cannot Pair Bluetooth Device:

- Ensure the adapter is receiving power (vehicle ignition on).
- Turn off and on your phone's Bluetooth, then try searching again.
- Ensure no other device is currently connected to the adapter.
- Move your device closer to the adapter.

Poor Call Quality / Microphone Not Working:

- Ensure the microphone is securely plugged into the adapter.
- Check that the microphone is positioned correctly and not obstructed.
- Verify that your phone's call audio is routed to the Bluetooth adapter.

Specifications

Feature	Detail
Model Number	220630C2
Bluetooth Version	5.0 (backward compatible with 2.0, 3.0, 4.0)
Audio Format Support	MP3, WMA, WAV, FLAC, DSD
Connector Type	32-pin (RNS-E compatible)

Power Input	12V DC
Item Weight	1.76 ounces (approx. 50 grams)
Package Dimensions	6.85 x 4.53 x 0.91 inches (17.4 x 11.5 x 2.3 cm)

Maintenance

The YuYue Electronic Bluetooth AUX Adapter requires minimal maintenance. Follow these guidelines to ensure its longevity:

- Keep the adapter and its connections dry and free from dust and debris.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- Do not use harsh chemicals or abrasive cleaners on the device. A soft, dry cloth is sufficient for cleaning.
- Ensure all cables are securely routed and not subject to excessive tension or bending.

Warranty and Customer Support

For warranty information or technical support, please refer to the seller's policies on the platform where the product was purchased. Keep your proof of purchase for any warranty claims.
If you encounter issues not covered in this manual, please contact YuYue Electronic customer support through the retailer's messaging system or their official website (if available).

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