

QPKING BT30

QPKING BT30 OBD Power Supply Tool

INSTRUCTION MANUAL

Model: BT30

1. INTRODUCTION

The QPKING BT30 OBD Power Supply Tool is designed to maintain the electrical power to your vehicle's Engine Control Unit (ECU) and other electronic systems while the main car battery is disconnected. This prevents the loss of critical data such as dashboard information, digital clock settings, radio presets, memory seat positions, and other system configurations during battery replacement or maintenance.

This device connects to your vehicle's OBD-II port and an external 12V power source, ensuring a continuous power supply to the vehicle's memory systems.



Figure 1: The QPKING BT30 OBD Power Supply Tool, featuring the OBD-II connector and red and black battery clamps.

2. SETUP AND CONNECTION

Follow these steps to properly set up and connect the BT30 tool:

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off, and all accessories (lights, radio, air conditioning) are turned off. Remove the ignition key. This minimizes power draw and reduces the risk of blowing fuses.
2. **Prepare External Power Source:** Obtain a fully charged 12V external battery (e.g., a spare car battery, motorcycle battery, or a jump starter with a 12V output). Ensure the voltage of the external battery is similar to your car's battery to prevent significant current flow.
3. **Connect to External Battery:** Connect the red clamp of the BT30 tool to the positive (+) terminal of the external

12V power source. Connect the black clamp to the negative (-) terminal of the external 12V power source. Ensure a secure connection.

4. **Connect to Vehicle OBD-II Port:** Locate your vehicle's OBD-II diagnostic port, typically found under the dashboard on the driver's side. Plug the BT30's OBD-II connector firmly into this port. A small indicator light on the OBD-II connector should illuminate, confirming power supply to the vehicle's ECU.
5. **Verify Power:** After connecting, you may briefly check if the vehicle's internal systems (e.g., dashboard lights, clock) are still powered. If they are, the connection is successful.

EASY TO OPERATE PLUG AND PLAY



Figure 2: The BT30 tool connected to the vehicle's OBD-II port and an external 12V battery, providing continuous power.



Figure 3: An in-car perspective showing the BT30 connected to the OBD-II port, with the external battery placed on the floor.

3. OPERATING INSTRUCTIONS

Once the BT30 is correctly set up and providing power to your vehicle's systems, you can proceed with your main car battery replacement or maintenance tasks.

1. **Disconnect Main Car Battery:** Carefully disconnect the negative (-) terminal, then the positive (+) terminal of your vehicle's main battery. Ensure the disconnected cables do not touch any metal parts of the vehicle.
2. **Perform Battery Service:** Replace the old battery with a new one, or perform any necessary maintenance.
3. **Reconnect Main Car Battery:** Connect the positive (+) terminal of the new battery first, then the negative (-) terminal. Ensure all connections are tight and secure.
4. **Disconnect BT30:** Once the main car battery is fully reconnected, remove the BT30's OBD-II connector from the vehicle's port. Then, disconnect the clamps from the external 12V power source.

The BT30 helps preserve various vehicle data, including:

- Dashboard information
- Digital clock settings
- Radio presets and audio settings
- Memory seat positions
- Anti-lock Braking System (ABS) data
- Anti-slip system settings
- Electric rear mirror settings

ECU DATA THAT CAN BE SAVED WHEN REPLACING BATTERIES



Dashboard info



Digital clock



Sound



Memory seat



ABS



Anti-slip system



Electric rear mirror

Figure 4: Examples of vehicle data preserved by the BT30 during battery replacement.

4. MAINTENANCE

To ensure the longevity and proper function of your QPKING BT30 tool:

- **Storage:** Store the tool in a dry, cool place away from direct sunlight and moisture.
- **Cleaning:** Wipe the tool with a dry, soft cloth after each use. Do not use harsh chemicals or abrasive cleaners.

- **Cable Inspection:** Regularly inspect the cables and clamps for any signs of wear, damage, or corrosion. Ensure the insulated clamps are intact.
- **Fuse:** The BT30 includes an inline fuse for protection. If the device stops working, check the fuse for continuity and replace it if necessary with a fuse of the same rating.



Figure 5: Key components of the BT30, including the insulated clamps, pure copper core wiring, OBD 16-pin interface, and inline fuse.

5. TROUBLESHOOTING

If you encounter issues while using the BT30, consider the following:

- **No Indicator Light / No Power to Vehicle:**
 - Ensure the external 12V battery is fully charged.
 - Verify that the clamps are securely connected to the correct terminals of the external battery (red to positive, black to negative).
 - Check the OBD-II connector for a firm connection to the vehicle's port.

- Inspect the inline fuse. A blown fuse will interrupt power. Replace if necessary.
- Some OBD-II ports may only provide power on specific pins. Ensure the tool's internal wiring is intact.

• **Vehicle Fuse Blows:**

- Ensure all vehicle accessories (lights, radio, etc.) are turned off before connecting the BT30. Excessive current draw can blow the vehicle's OBD-II port fuse.
- Verify that the external battery voltage is compatible with the vehicle's system (typically 12V).
- Ensure the BT30's clamps are connected correctly to the external battery. Incorrect polarity can cause issues.

• **Data Loss Occurs Despite Using Tool:**

- Confirm the BT30's indicator light was on throughout the entire battery replacement process.
- Ensure the external 12V battery maintained sufficient charge during the process.
- Some older vehicles or specific systems may have volatile memory that requires a constant power source directly to the component, which the OBD-II port may not fully cover.

6. SPECIFICATIONS

Model Name	BT30
Brand	QPKING (Manufacturer: Autool)
Working Voltage	12V
Working Current	150mA
Cable Length	80 cm (approximately 29.52 inches)
Product Length (OBD-II connector to clamps)	750 mm / 29.52 inches
Item Weight	3.52 ounces (145g)
Package Dimensions	8.23 x 6.5 x 1.77 inches (200mm x 160mm x 30mm)
UPC	712383648242, 712383648877

Name	AUTOOL BT30
Package size	200mm×160mm×30mm
Product length	750mm/29.52in
Weight	145g



Figure 6: Dimensional specifications of the BT30 tool.

7. WARRANTY INFORMATION

Specific warranty details for the QPKING BT30 OBD Power Supply Tool are not provided in the available product information. Please refer to the retailer or manufacturer's official website for any applicable warranty terms and conditions.

8. SUPPORT

For further assistance or inquiries, you may visit the manufacturer's social media page:

- [Autool Official Facebook Page](#)

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