Autel 12+8 Cable Adapter

Autel Original OBD2 Adapter for Chrysler 12+8 Programming Cable Connector

Instruction Manual

Product Overview

The Autel 12+8 OBD2 Adapter for Chrysler is an essential tool designed to facilitate advanced diagnostic and programming functions on modern Chrysler, Dodge, Jeep, Fiat, and Alfa Romeo vehicles. This adapter bypasses the Security Gateway Module (SGM) found in 2018 and later models, enabling full communication between your Autel diagnostic scanner and the vehicle's systems.

This cable ensures seamless connectivity for comprehensive system diagnostics, service functions, ECU coding, and other advanced operations.



Image: The Autel 12+8 OBD2 Adapter, featuring the main 16-pin connector and the two 12-pin and 8-pin connectors for bypassing the Security Gateway Module.

Setup and Connection

Connecting the Autel 12+8 OBD2 Adapter is a straightforward process. Follow these four simple steps to establish communication between your Autel scanner and the vehicle's Security Gateway Module (SGM).

1. **Step 1: Locate and Unplug SGW Connectors**
   Find and unplug the 12-pin and 8-pin connectors from the Security Gateway Module (SGW) in your vehicle. The location of the SGW module varies by vehicle model.
2. **Step 2: Connect FCA 12+8 PIN Port**
   Connect the FCA 12+8 PIN port of the adapter directly to the 12-pin and 8-pin ports that were unplugged from the SGW module. Ensure a secure connection.
3. **Step 3: Connect Adapter to OBD2 Diagnostic Cable/Bluetooth Interface**
   Connect the other end of the FCA for Chrysler diagnostic cable directly to your 16-pin OBD2 diagnostic test cable or to your OBD Bluetooth interface.
4. **Step 4: Connect to Scanner**

Finally, connect the 16-pin OBD2 diagnostic cable to your Autel scanner or establish communication between the OBD Bluetooth interface and your scanner.



Image: Visual guide demonstrating the four steps for connecting the Autel 12+8 OBD2 adapter to a vehicle's Security Gateway Module and then to a diagnostic scanner.

Operating the Adapter

Once connected, the Autel 12+8 OBD2 Adapter enables your Autel diagnostic tool to perform a wide range of functions on compatible vehicles by bypassing the Security Gateway Module (SGM).

Compatible Autel Scanners

This adapter is compatible with all Autel scanners, including but not limited to:

- MaxiCOM Series: MK808S, MK808, MX808S, MX808, MK808BT, MK808BT PRO, MP808S, MP808, DS808K, DS808, DS708, MP808BT, MP808BT PRO, MP808BT KIT, MX900, MK900, MK900BT
- MaxiSys Series: MS906, MS906 PRO, MS906 PRO-TS, MK908 PRO II, MS908S PRO II, MS909, MS919, Ultra, Lite, Ultra EV

- IMMO Series: IM508, IM508 PRO, IM608, IM608 PRO



Image: An illustration showing the Autel 12+8 adapter surrounded by various compatible Autel diagnostic tools, highlighting its broad compatibility.

Compatible Vehicle Models

The adapter is designed to work with 2018 and later models of the following vehicle brands:

- Chrysler
- Dodge
- Jeep
- Fiat
- Alfa Romeo

This allows for complete system diagnostics, service functions, and other code functions on these vehicles.

Key Functions Enabled

By bypassing the SGM, the adapter enables your Autel scanner to perform:

- **ECU Coding:** Modify or program Electronic Control Units.

- **Bidirectional Control:** Send commands to vehicle systems and receive feedback.
- **Hot Services:** Access various special functions and resets.
- **All System Diagnosis:** Perform comprehensive scans across all vehicle modules.



Image: A composite image showcasing the advanced diagnostic capabilities unlocked by the Autel 12+8 adapter, including ECU coding, bidirectional control, hot services, and all system diagnosis.

Care and Maintenance

To ensure the longevity and optimal performance of your Autel 12+8 OBD2 Adapter, follow these simple care and maintenance guidelines:

- **Proper Handling:** Always grasp the connector ends when plugging or unplugging the cable. Avoid pulling directly on the cable itself to prevent damage to the wires or connectors.
- **Storage:** Store the adapter in a clean, dry environment, away from extreme temperatures, direct sunlight, and corrosive materials. The original packaging or a dedicated tool case is ideal for protection.
- **Cleaning:** If the connectors become dirty, gently wipe them with a clean, dry, lint-free cloth. Do not use liquid cleaners

or solvents, as these can damage the electrical contacts.

- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, fraying, cracks, or bent pins. If any damage is observed, discontinue use and consider replacement.

The Autel 12+8 adapter is built with high-quality materials designed for durability and reliable performance, featuring properties such as:

- Flexible and Free Bend design
- Anti-aging properties
- Fast & Stable Data Transmission
- Insulation & Leak Proof construction
- Anti-scalding and Wear-resisting materials
- Tear proof durability

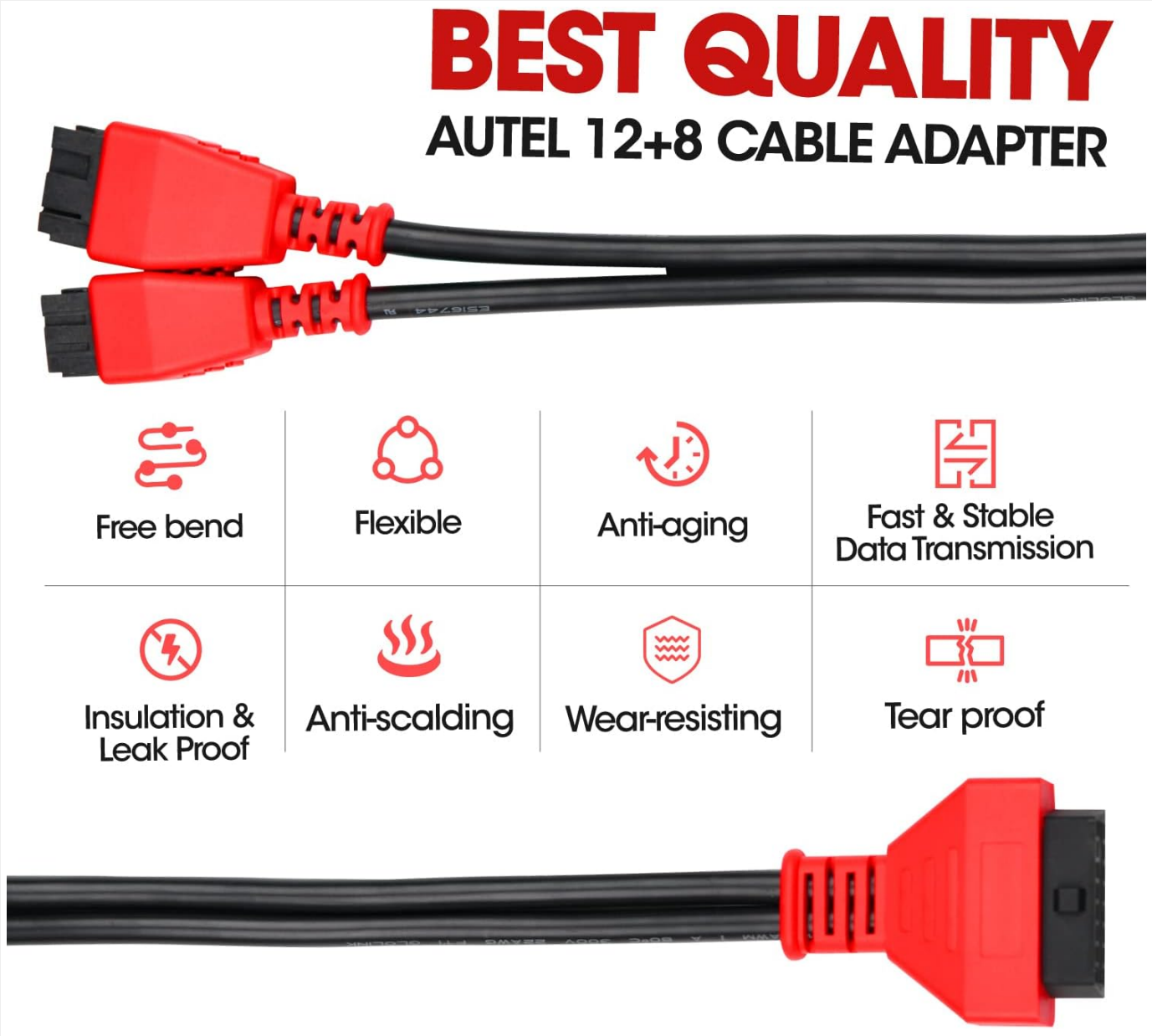


Image: A detailed view of the Autel 12+8 cable, emphasizing its robust construction and quality features that contribute to its durability and performance.

Troubleshooting

If you encounter issues while using your Autel 12+8 OBD2 Adapter, consider the following troubleshooting steps:

- **No Communication:**
  - Ensure all connections (12-pin, 8-pin, and 16-pin OBD2) are securely seated.
  - Verify that the vehicle's ignition is in the ON position (or engine running, if required by your scanner).
  - Confirm that your Autel scanner is powered on and functioning correctly.
  - Check if the vehicle model year is 2018 or later, as the adapter is specifically designed for these models with SGM.
- **Intermittent Connection:**
  - Inspect the cable for any visible damage, kinks, or frayed wires.
  - Ensure the connectors are clean and free of debris.
- **Scanner Error Messages:**
  - Refer to your Autel scanner's user manual for specific error code interpretations.
  - Ensure your scanner's software is up to date.

If these steps do not resolve the issue, please contact Autel customer support for further assistance.

Product Specifications

Feature	Description
Brand	Autel
Model Number	12+8 Cable Adapter
Connector Type	12+8 Cable for Chrysler
Cable Type	12+8 Chrysler Cable
Compatible Devices	Autel Scanner, Ancel, Launch, Xtool Scanner
Recommended Uses	Scan, Diagnostics, Programming, Service Functions
Color	Black (with Red Connectors)
Connector Gender	Male-to-Female
Number of Pins	16 (OBD2 side)
Item Weight	1.76 ounces (50 Grams)
Product Dimensions	1.97 x 1.97 x 1.97 inches (approximate)
Country of Origin	China



Image: Detailed view of the adapter's connectors, including the OBD II F, 12PIN, and 8PIN ports, illustrating its design.

Warranty and Support

Your Autel 12+8 OBD2 Adapter is backed by a comprehensive warranty and dedicated customer support.

- **Warranty:** This product comes with a **1-year warranty** from the date of purchase.
- **Return Policy:** A **30-day no-reason return policy** is available for this product.

For technical support, product inquiries, or warranty claims, please contact Autel customer service:

Email: auteldirect@outlook.com

Customer support aims to reply within 24 hours to assist with all your problems.

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