

This guide is written for B2B wholesale/OEM/ODM partners and can be shared with end users for basic setup and troubleshooting.

Model	M601D	Document Version	v1.0
Last Updated	2026-02-05		

✔ Quick Start

Recommended connection sequence: Ignition OFF → connect the scanner → ignition ON (KOEO) → wait for linking → start diagnosis.
Push-button start vehicles: press START without pressing the brake pedal to turn ignition ON (engine OFF).

✔ Quick Checklist (most issues are solved here)

- ✔ Vehicle is safely parked; parking brake engaged
- ✔ If an error occurs: ignition OFF → wait 10 seconds → ignition ON → retry
- ✔ Ignition is ON (dashboard lights ON).
- ✔ Scanner is firmly connected to the vehicle's 16-pin OBD-II DLC
- ✔ Wait 10-60 seconds for the device to establish a diagnostic session (some vehicles may take longer)
- ✔ In some vehicles, starting the engine may be necessary to provide stable power to the OBD-II port for proper communication.

📺 Power / Display

The scanner does not power on / screen stays blank

- Ensure ignition is ON (engine off /KOEO), as ACC mode may not provide sufficient power to the diagnostic circuit on some vehicles
- Push the connector in firmly until fully seated
- Turn ignition OFF, unplug, reconnect, then ignition ON again
- Ensure the fuse related to the diagnostic port (12V accessory circuit) is intact and working properly.
- Inspect the DLC pins for bending/damage; do not force the connector
- Test the scanner on another known OBD-II vehicle to isolate vehicle vs. device

The scanner powers on but resets/shuts off

- Re-seat the connector; avoid pulling/twisting the cable during use
- Keep ignition in ON position during the session
- If the vehicle battery is weak, connect a charger/maintainer during diagnostics

🔗 Linking / Communication

"Linking Error" / "Unable to communicate"

- Use the recommended sequence: ignition OFF → connect scanner → ignition ON (engine off / KOEO) → wait → start diagnosis
- Wait longer (up to 1-2 minutes) on vehicles that respond slowly
- Ensure the connector is fully seated; a loose fit can cause repeated link failures
- If KOEO does not work on your vehicle, try with the engine running
- Some early implementations or market-specific ECUs may not communicate reliably with basic code readers

📄 Reading / Clearing Codes

"No codes" shown

This can be normal if the Check Engine Light is OFF and no emission-related faults are stored. If supported, check both Stored/Confirmed and Pending codes. Restart the session: ignition OFF → wait 10 seconds → ignition ON → re-scan.

Codes won't clear or come back immediately

Clearing codes does not repair the underlying problem. If the fault condition still exists, the code will return. Record codes before clearing. Repair the root cause, then clear and re-check. Some codes clear only after a drive cycle or specific conditions are met.

🔧 Software Update (USB)

Ensure a stable PC connection and do not unplug during the update. Some software updates may require online authorization through a supply program. Please contact your distributor or account manager to obtain authorization and access the updates.

Vehicle Compatibility Notes

- Designed for vehicles that support OBD-II/EODB with a standard 16-pin diagnostic connector
- Most light-duty vehicles sold in the USA from 1996 onwards support OBD-II. In many other markets, widespread compliance started in the early 2000s (varies by region and vehicle category)
- This tool is primarily for engine and emissions diagnostics. Non-emissions modules (such as ABS, SRS, etc.) may not be available for all vehicles, depending on vehicle design and tool coverage

Information for Technical Support

When reporting an issue, please provide the following information:

- ✓ Vehicle make/model/year/engine and region
- ✓ Exact error message and which function it occurred in
- ✓ Photos of the screen (if possible) and any DTC codes shown
- ✓ Ignition state during test (KOEO or engine running)
- ✓ Whether the device powers on and stays on
- ✓ Software version shown in Settings (if available)

Safety Notes

- ⓘ Operate diagnostics only when the vehicle is safely parked
- ⓘ Do not connect/disconnect the tool with ignition ON or engine running unless instructed
- ⓘ Keep the cable away from pedals and moving parts
- ⓘ For service functions and long sessions, keep vehicle voltage stable (charger/maintainer recommended)

Need Technical Support?

For B2B / OEM / ODM Partners:

Contact your account manager or sales representative for warranty service and technical assistance.

www.drovewest.com

For End Users:

Contact the retailer or distributor where you purchased the product for support, warranty claims, or product inquiries.