

XTOOL
V140 Vehicle
Communication
Interface



Xtooltech V140 Vehicle Communication Interface User Manual

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Xtooltech V140 Vehicle Communication Interface



Product Information

Specifications

- Product Name: V140 Vehicle Communication Interface
- Manufacturer: Shenzhen Xtooltech Intelligent Co., LTD
- Website: www.xtooltech.com
- Contact: Tel: +86 755 21670995 or +86 755 86267858 (China),
E-Mail: supporting@xtooltech.com

Product Usage Instructions

Safety Instructions

Before using the V140, please ensure to follow these instructions:

- Keep the device away from heat or fumes.
- Avoid contact with acid from the vehicle battery.
- Ensure adequate ventilation when working with the vehicle's exhaust gas.
- Avoid touching cooling system components or exhaust manifolds when the engine is running.
- Park the car securely and ensure it is in Neutral or P/N position before starting the engine.
- Check the diagnostic link connector (DLC) before testing.
- Avoid switching off power or unplugging connectors during testing.

Cautions

Follow these cautions to maintain the device in good condition:

- Avoid shaking or dismantling the unit.
- Avoid using hard or sharp objects on the LCD screen.
- Avoid exposing the screen to strong sunlight for extended periods.
- Keep the device away from water, moisture, high temperature, or very low temperature.
- Calibrate the screen before testing for accurate performance.
- Avoid strong magnetic fields near the main unit.

After Sales Services

For any support or technical assistance, contact Xtooltech at the provided email or phone numbers. Provide necessary details for efficient troubleshooting.

Content

The user manual includes a general introduction and technical specifications of the V140 Vehicle Communication Interface.

Frequently Asked Questions

Q: How do I calibrate the screen before testing?

A: To calibrate the screen, go to the settings menu of the device and look for the screen calibration option. Follow the on-screen instructions to complete the calibration process.

Please read this user manual carefully before using the V140. When reading the manual, please pay attention to the words “Note” or “Caution” and read them carefully for appropriate operation.

Copyright

Without the written consent of Shenzhen Xtooltech Intelligent Co., Ltd., any company or individual shall not copy or backup this operation manual in any form (electronic, mechanical, photocopying, recording, or other forms).

Declaration

This manual is designed for the usage of the V140 and provides operating instructions and product descriptions for users of the V140. No part of this manual can be reproduced, stored in a retrieval system, or transmitted, in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), without the prior written permission of Xtool. Use the device only as described in this manual. Xtool is not responsible for violating the laws and regulations caused by producing its data information.

Xtool shall not be liable for any incidental or consequential damages or for any economic consequential damages arising from the accidents of individual users and third parties, misuse or abuse of the device, our unauthorized change or repair of the device, or the failure made by the user not to use the product according to the manual. The configuration, function, appearance, and UI of this product involved in the user manual will continue to be optimized, and the manual may not be updated in time. Please refer to the actual product if there is any difference. The final interpretation right belongs to Shenzhen Xtooltech Intelligent Co., Ltd.

Operation Instructions

For safe operation, please follow the instructions below:

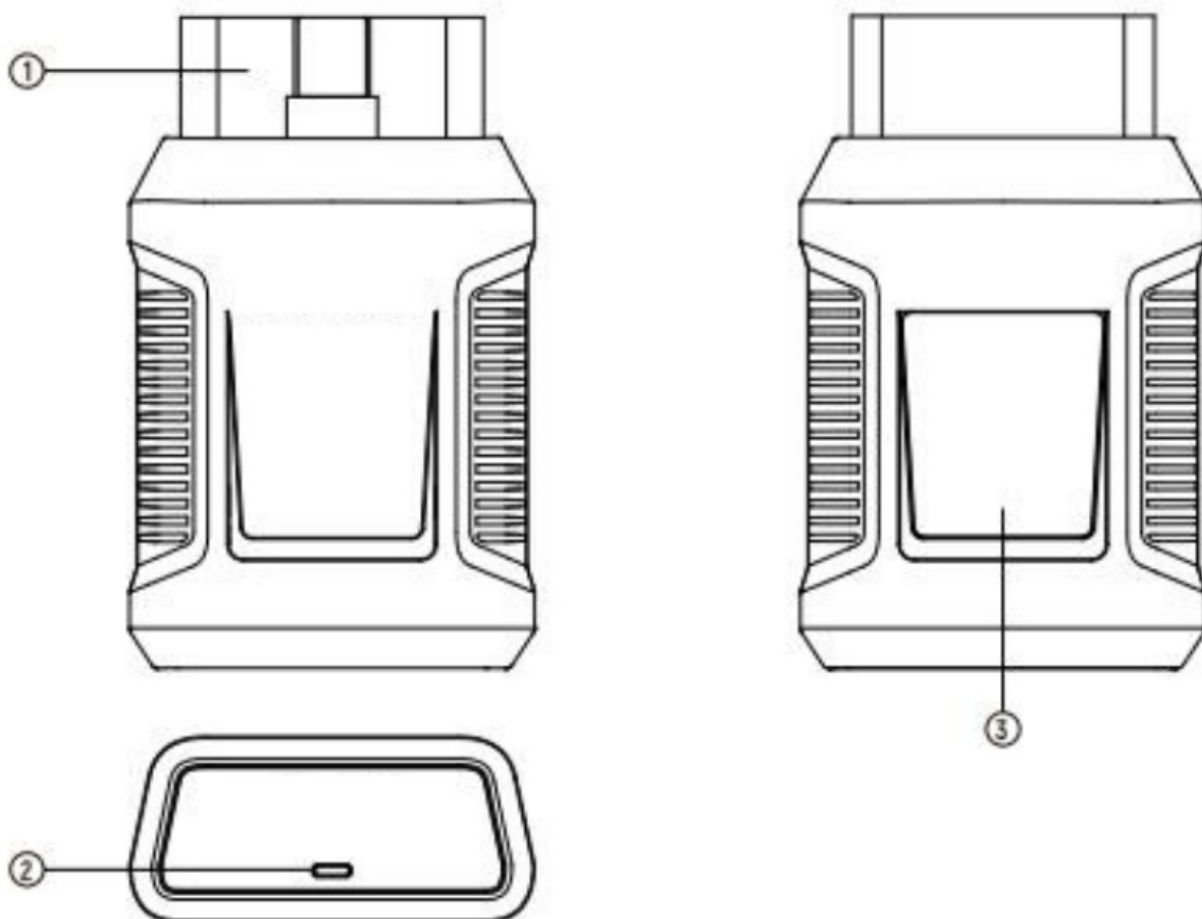
- Keep the device away from heat or fumes when you are using it.
- If the vehicle battery contains acid, please keep your hands and resources away from the battery during testing.
- The exhaust gas of the vehicle contains harmful chemicals, please ensure adequate ventilation.
- Do not touch the cooling system components or exhaust manifolds when the engine is running due to the high temperatures reached.
- Make sure the car is securely parked, Neutral is selected or the selector is at P or N position to prevent the vehicle from moving when the engine starts.
- Make sure the (DLC) diagnostic link connector is functioning properly before starting the test to avoid damage to the Diagnostic Tablet.
- Do not switch off the power or unplug the connectors during testing, otherwise, you may damage the ECU and/or the Diagnostic Tablet.

Cautions!

- Avoid shaking or dismantling the unit as it may damage the internal components.
- Do not use hard or sharp objects to touch the LCD screen;
- Do not use excessive force;
- Do not expose the screen to strong sunlight for a long period.
- Please keep it away from water, moisture, high temperature, or very low temperature.
- If necessary, calibrate the screen before testing to ensure the accuracy of LCD performance.
- Keep the main unit away from strong magnetic fields.

GENERAL INTRODUCTION

- OBD Port
- indicator light
- Product Information



TECHNICAL SPECIFICATIONS

Items	Specifications
Processor	ARM Cortex-M4
Indicator	Green light on: Power on Green light flashing: Firmware updating Blue light on: Device paired Blue light flashing: Device communicating Red light: Device error
Working Voltage	DC 7~36V
Working Temp.	-20~60℃/-4~140°F

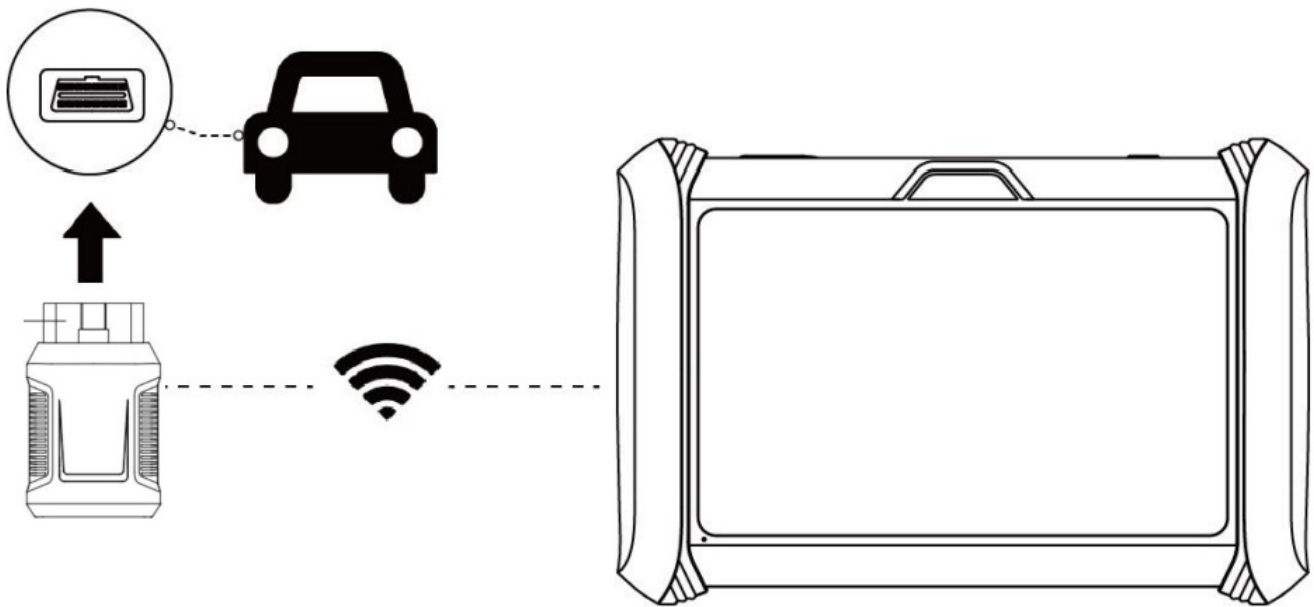
DIAGNOSIS

The V140 connects to the vehicle directly via its OBD2 port.

VEHICLE CONNECTION

The scan tool must be connected to the vehicle's OBD-II port so that the tablet can establish correct vehicle communication. Please perform the following steps:

1. Turn on the tablet
2. Plug the V140 VCI box into vehicle's OBD port, and make sure the Power and Wi-Fi indicators light;
3. Switch on the ignition and tap on the Diagnostic application to start your diagnosis.



The connection method is shown in the figure below:

1. Vehicle
2. VCI Box
3. Tablet

⚠ Note: Please make sure all the cables are connected tightly; The vehicle's DLC is not always located under the dash; for the location of the DLC, please refer to the vehicle's user manual.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This

equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

ISED Statement

English: This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B). This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having again greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

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Aftersales-Services

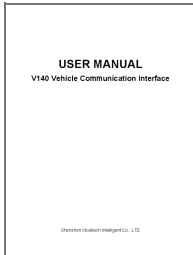
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Official Website: www.xtooltech.com

Please provide your device serial number, VIN code, vehicle model, software version, and other details when seeking technical support. If there are screenshots or videos, it will better help us locate your problem.

Documents / Resources

	<p>Xtooltech V140 Vehicle Communication Interface [pdf] User Manual V140, V140 Vehicle Communication Interface, Vehicle Communication Interface, Communication Interface, Interface</p>
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References

-  [User Manual](#)

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