

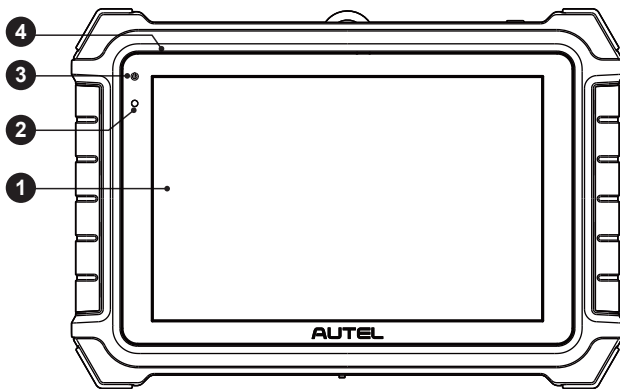
Thank you for purchasing this AUTEL diagnostics tools. Autel manufactures its tools to the highest standards. If properly maintained and used according to instructions, the tools will provide years of trouble-free use.

Product Description

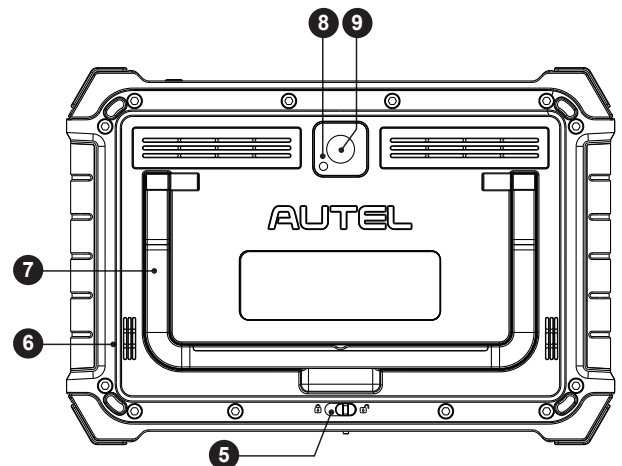
The MaxiHVAC AC909 has five main components:

- MaxiHVAC Tablet — the central processor and monitor for the system
- MaxiFlash LVCI — the vehicle communication interface
- AC Box — the wireless manifold gauge
- TPC-B/TPC-R — the wireless temperature clamp
- THP-B/THP-R — the wireless temperature and humidity probe

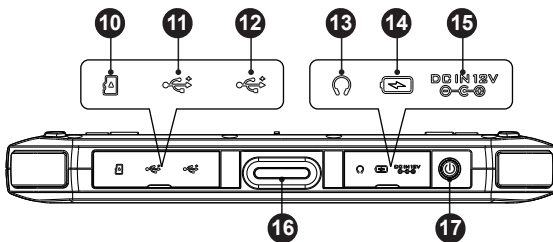
MaxiHVAC Tablet



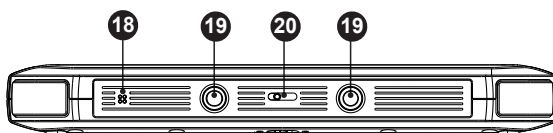
Front View



Rear View



Top View



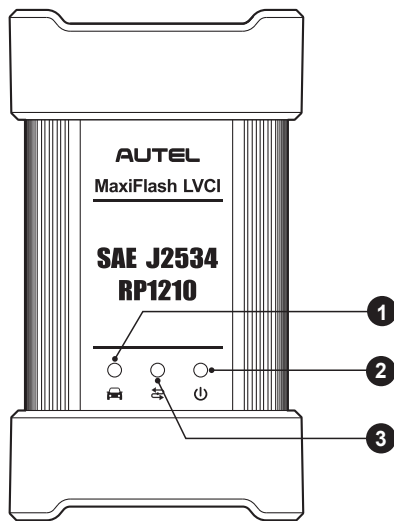
Bottom View

- 10.1-inch TFT-LCD Capacitive Touchscreen
- Ambient Light Sensor — detects ambient brightness.
- Power LED — refer to Table 1-1 Power LED Description for details.
- Built-in Microphone
- Slide Switch
- Speaker
- Collapsible Stand — extends from the back to allow hands-free viewing of the MaxiHVAC tablet.
- Camera Flash
- Rear Camera
- Micro SD Card Slot
- USB Port
- USB Port
- Headphone Jack
- USB Type-C Port — supports charging.
- DC Power Supply Input Port
- Hanging Ring — used for hanging the MaxiHVAC tablet on a hook.
- Lock/Power Button — long press to power on/off the MaxiHVAC tablet, or tap to lock the screen.
- Pogo Pin Socket — used to power and charge the AC Box when connected to the pogo pin connector on the AC Box.
- Socket
- Locking Latch

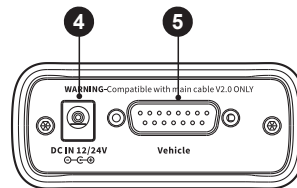
Table 1-1 Power LED Description

LED	Color	Description
Power	Green	- Lights solid green when the MaxiHVAC tablet is charging and the battery level is above 90%. - Lights solid green when the MaxiHVAC tablet is powered on and the battery level is above 15%.
	Yellow	Lights solid yellow when the MaxiHVAC tablet is charging and the battery level is below 90%.
	Red	Lights solid red when the MaxiHVAC tablet is powered on and the battery level is below 15%.

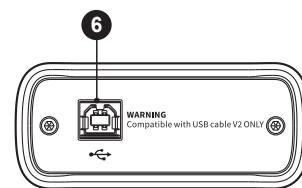
MaxiFlash LVCI



Front View



Top View



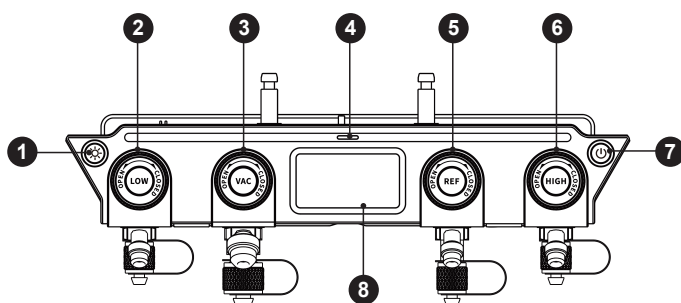
Bottom View

1. Vehicle LED — flashes green when communicating with vehicle system.
2. Power LED — refer to Table 1-2 Power LED Description for details.
3. Connection LED — lights solid green when connected to the MaxiHVAC tablet via USB cable; lights solid blue when connected to the MaxiHVAC tablet via Bluetooth.
4. DC Power Supply Input Port
5. Vehicle Data Connector (DB15-pin)
6. USB Port

Table 1-2 Power LED Description

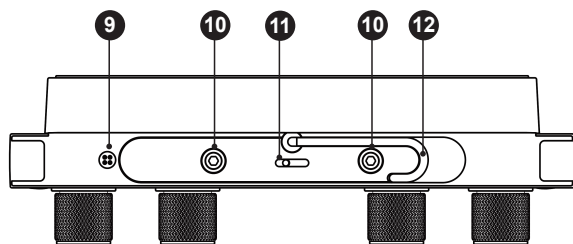
LED	Color	Description
Power	Yellow	Lights solid yellow automatically at power-up when VCI is performing a self-test.
	Green	Lights solid green when powered on.
	Red	- Lights solid red when a system failure occurs. - Flashes red when VCI is upgrading.

AC Box

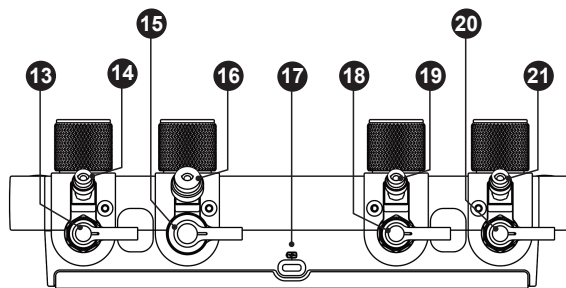


Front View

1. Backlight Button — press to turn on/off the sight glass backlight.
2. Low Pressure Valve
3. Vacuum Valve
4. Status LED — refer to Table 1-3 Status LED Description for details.
5. Refrigerant Valve
6. High Pressure Valve
7. Power Button — long press to power on/off the device.
8. Sight Glass



Top View



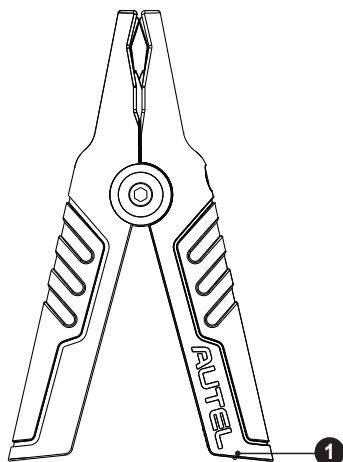
Bottom View

9. Pogo Pin Connector — used to power and charge the AC Box when connected to the pogo pin socket on the MaxiHVAC tablet.
10. Latch
11. Self-locking Toggle Lever
12. Foldable Hook — used for hanging the AC Box on a hook when not connected to the MaxiHVAC tablet.
13. Low Pressure Port — connects the low pressure hose.
14. Low Pressure Storage Port
15. Vacuum Port — connects the vacuum hose.
16. Vacuum Storage Port
17. USB Type-C Port — used for charging.
18. Refrigerant Port — connects the refrigerant hose.
19. Refrigerant Storage Port
20. High Pressure Port — connects the high pressure hose.
21. High Pressure Storage Port

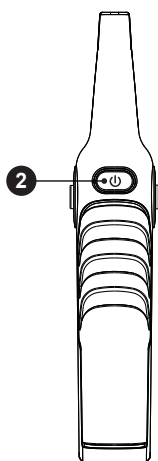
Table 1-3 Status LED Description

LED	Color	Description
Status	Yellow	- Flashes yellow when the AC Box is upgrading its software. - Lights solid yellow when the AC Box is performing a self-test or when a Bluetooth error occurs during self-test.
	Green	Lights solid green when the AC Box is powered on and the battery level is above 20% or when the AC Box is charging and the battery level is above 90%.
	Blue	- Lights solid blue when the AC Box is connected via Bluetooth, but there is no data being transmitted. - Flashes blue when transmitting Bluetooth data.
	Red	- Lights solid red when the AC Box is powered on and the battery level is lower than 20%. - Flashes red when the AC Box is charging and the battery level is lower than 90%.

TPC-B/TPC-R



Front View



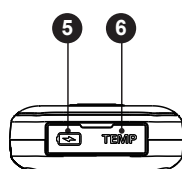
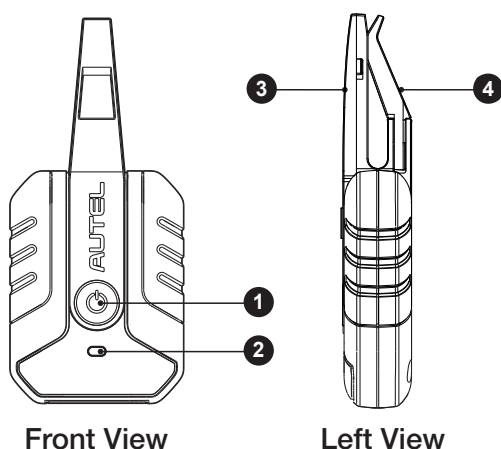
Right View

1. Battery Compartment — holds 2 x AAA batteries. Slide the latch switch to the Unlock position to open the cover. Slide the latch switch to the Lock position to secure the cover.
2. Power Button/Status LED — long press to power on/off the device. Refer to Table 1-4 Status LED Description for details on status LED.

Table 1-4 Status LED Description

LED	Color	Description
Status	Yellow	- Flashes yellow when the wireless temperature clamp is upgrading its software. - Lights solid yellow when the wireless temperature clamp is performing a self-test or when a Bluetooth error occurs during self-test.
	Green	Lights solid green when the wireless temperature clamp battery level is normal.
	Blue	- Lights solid blue when the wireless temperature clamp is connected via Bluetooth, but there is no data being transmitted. - Flashes blue when transmitting Bluetooth data.
	Red	- Lights solid red when the wireless temperature clamp battery level is low. - Flashes red when the wireless temperature clamp is open or incorrectly clamped.

THP-B/THP-R



Bottom View

1. Power Button — long press to power on/off the device.
2. Status LED — refer to Table 1-5 Status LED Description for details.
3. Fixed Jaw — works with the movable jaw to clamp the test object.
4. Movable Jaw — works with the fixed jaw to clamp the test object. You can rotate the movable jaw to fit the probe into narrow spaces.
5. USB Type-C Port — used for charging.
6. TEMP Port — connects the type K thermocouple.

Table 1-5 Status LED Description

LED	Color	Description
Status	Yellow	- Flashes yellow when the wireless temperature and humidity probe is upgrading its software. - Lights solid yellow when the wireless temperature and humidity probe is performing a self-test or when a Bluetooth error occurs during self-test.
	Green	Lights solid green when the wireless temperature and humidity probe is powered on and the battery level is normal or when the wireless temperature and humidity probe is charging and the battery level is above normal.
	Blue	- Lights solid blue when the wireless temperature and humidity probe is connected via Bluetooth, but there is no data being transmitted. - Flashes blue when transmitting Bluetooth data.
	Red	- Lights solid red when the wireless temperature and humidity probe is powered on and the battery level is low. - Flashes red when the wireless temperature and humidity probe is charging and the battery level is lower than normal.

Getting Started



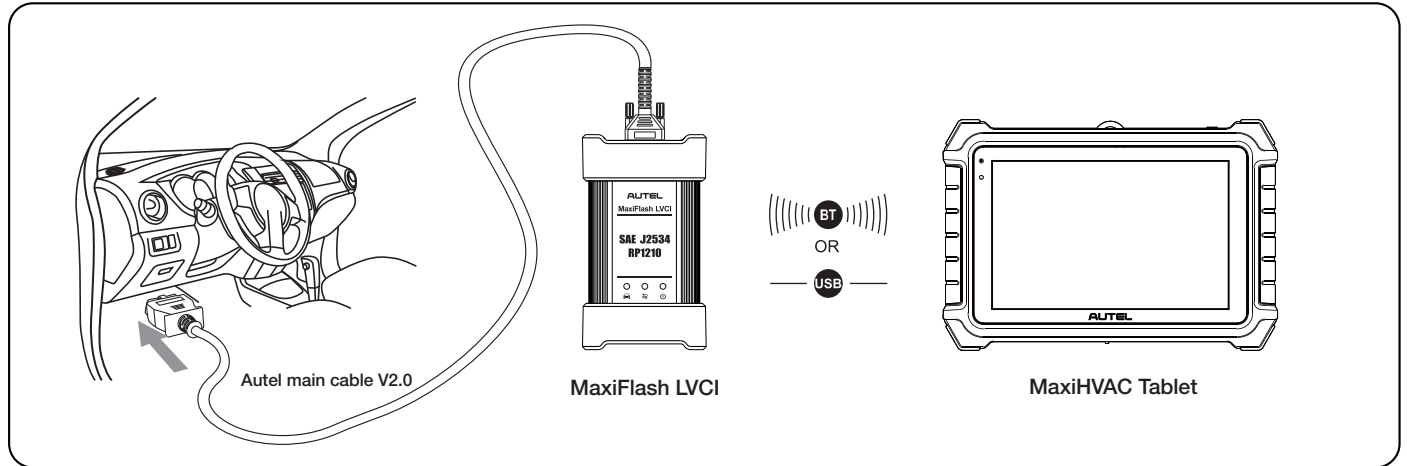
IMPORTANT: Before operating or maintaining this device, please read these instructions carefully, paying extra attention to the safety warnings and precautions. Failure to do so may cause damage and/or personal injury and will void the product warranty.



WARNING: The MaxiFlash LVCI is compatible with Autel main cable V2.0 and USB cable V2 only.

Connecting the Equipment

1. Connect the LVCI device to the vehicle's DLC via a main cable V2.0.
2. Power up the MaxiHVAC tablet. Ensure the MaxiHVAC tablet is fully charged or that it is connected to the supplied DC power supply.
3. Connect the MaxiHVAC tablet to the LVCI device via Bluetooth or USB cable V2 to establish a connection.

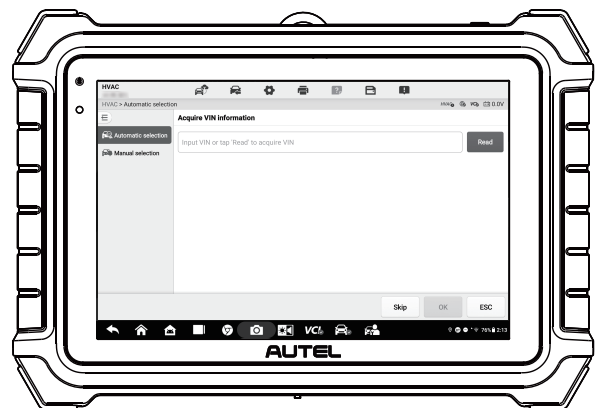


Performing Full-Vehicle Diagnostics

When the LVCI device is properly connected to the vehicle and the MaxiHVAC tablet, the VCI status button on the bottom bar of the screen will display a green badge indicating the platform is ready to start vehicle diagnosis.

Performing HVAC Diagnostics

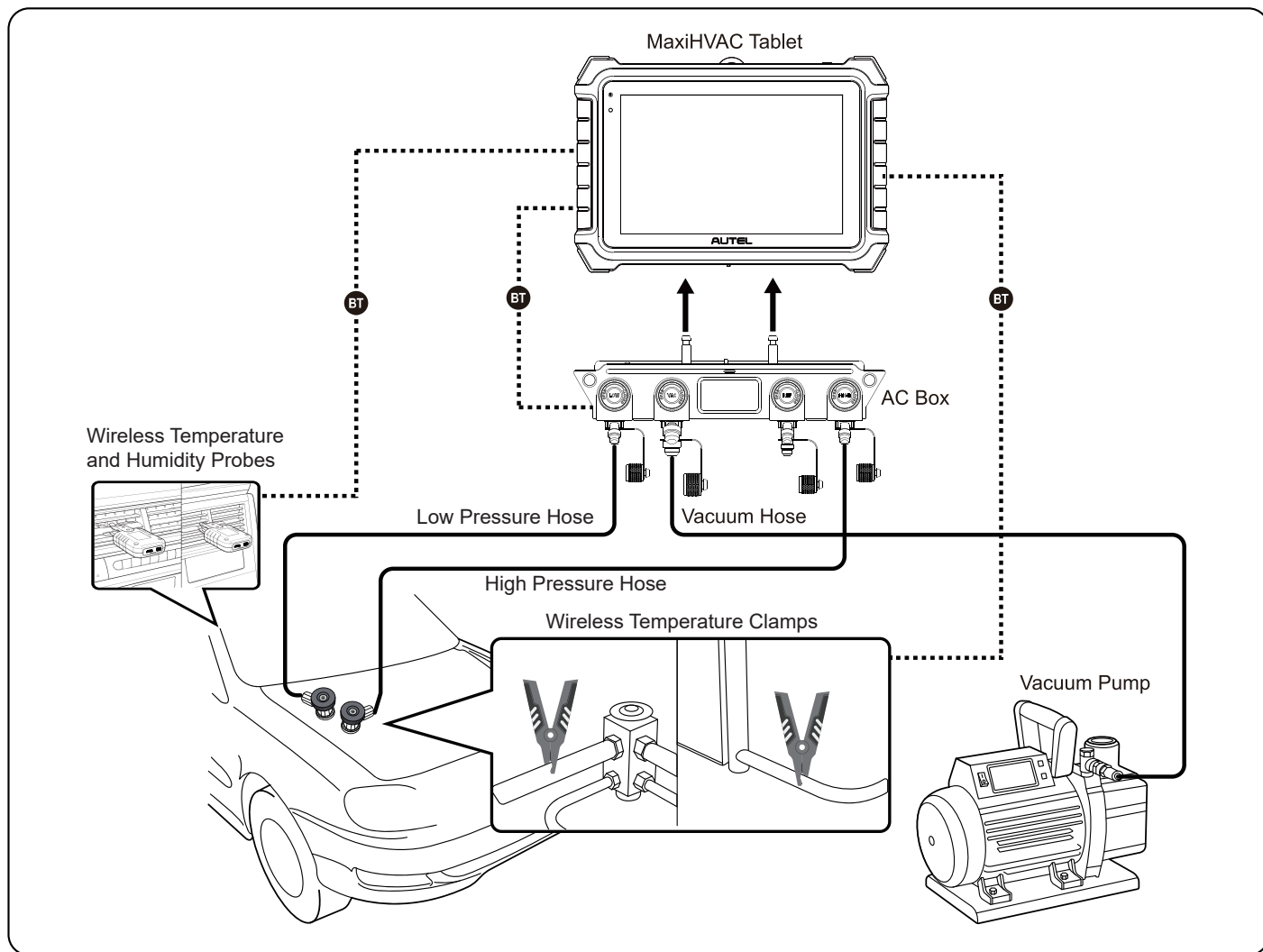
1. Tap **HVAC** on the MaxiHVAC Job Menu. Read the disclaimer carefully and tap **Agree**.
2. Select a vehicle automatically or manually, and tap **OK** to confirm.



3. Select **HVAC Check > Graphical Diagnostics**.



4. Follow the on-screen cable connection diagram to connect the equipment and then follow the prompts on the screen to perform the diagnostics.



Compliance Information

Autel Intelligent Technology Corp., Ltd. hereby declares that the radio equipment type MaxiHVAC AC909 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following URL:

<https://www.autel.com/download.jhtml>



NOTE: The illustrations in this guide are for reference only. The actual product may differ.