*Note: While viewing recorded live data, carefully look for any irregularities in any of the PID values/signal information (TEMP, RPM, etc). If any PIDs go beyond the standard range value, or irregularities are detected, follow the procedures in the vehicle's service manual to perform additional troubleshooting and repair.

Diagnostic Record

DEMO_9R3F9V00G002J_20190122073958.r431

Name	Value	Unit
Absolute Throttle Position B	13.73	%
Accelerato Pedal Position D	22.75	%
Accelerato Pedal Position E	15.69	%
Accelerato Pedal Position Sensor 1	0.78	V
Accelerato Pedal Position Sensor 2	0.39	V
Ambient Air Temperature	69.8	degree F.

Auto Playback(x1)   0/15

Combine   Value

Graph   Frame Playback

On-screen Buttons:

Graph – Displays the parameters in waveform graphs.

Combine – This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

Value – This is the default mode which displays the parameters in texts and shows in list format.

Frame Playback – Plays back the recorded data stream items frame by frame. Tap ⏺ to start playing. Tap ⏹ to stop it. Tap ⏫ to fast forward to next frame. Tap ⏬ to reverse to previous frame. Once it is in frame playback mode, this button changes into "Auto Playback".

6.1.5 Data Samples

This feature allows you to manage the recorded data stream sample files.

6.1.6 Shared Data Samples

This feature lets you view the data stream sample files shared with others.

6.2 Tech 2 Tech

This option aims to help repair shops or technicians launch instant messaging and remote diagnosis, making the vehicle (even thousands of miles away) repair job getting fixed faster.

6.2.1 Interface Layout
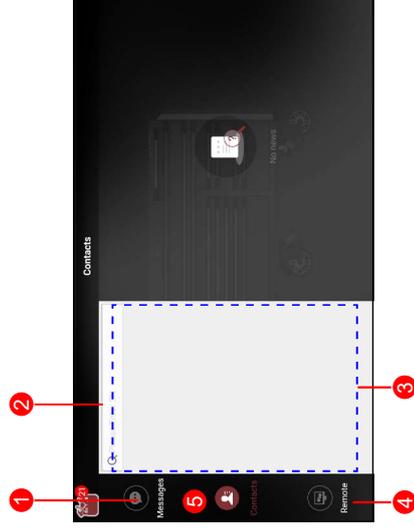
1	Message tab	Once an incoming message reaches, a red dot will appear on the upper right corner of the tab.

2	Search bar	Directly input the partner's S/N of the MAXIMUS PLUS to start searching, and tap the desired one to add it into your friend list.
3	Friends List	By default, the screen appears blank.
4	Remote tab	This option allows the partner to control your tablet remotely via the PC-based remote diagnostics client.
5	Contacts tab	Tap to enter the friend list.

6.2.2 Add Friends

Tap "Contacts" to enter the contact page. By default it appears blank.

In the search bar, input the partner's username and tap "Search" button next to the search bar to starts searching from Matco's technician database.

*Note: The partner must be the users who have registered their Matco's diagnostic tools. They may be the following:

- Workshop
- Technician

Once the result matches the keyword, a screen similar to the following will appear:

- To launch the remote diagnostics directly, tap "Remote Diagnose" to invite a remote control or request control remote device.
- To view the partner's detailed information, tap 🔧, the following screen appears:
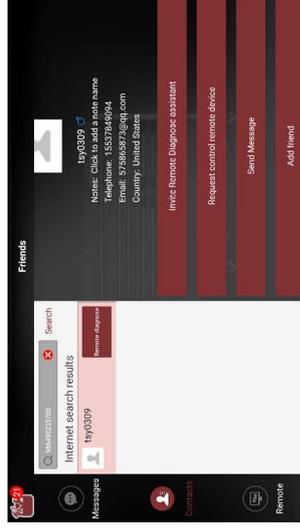
Tap "Add friend" to send your request.

Once the partner receives the request, a beep will sound. Tap the "Message" tab:

- Once the partner agreed your request, you will receive a piece of verification information and he/she will automatically be listed in the

Contacts tab.

• If a counterpart sent you a friend request, you can tap "Agree" to confirm and his/her name will appear in the friend list (Contact). Or tap "Ignore" to ignore this request.

6.2.3 Start Instant Messaging

*Note: The I/M (Instant Messaging) function is open to all users who had Matco & Launch's diagnostic tool equipped with this module.

After adding your friends, tap the desired one's photo to enter the following screen:

• Tap 🛜 to send the voice message.
• Tap 🙂 to send the emoj.
• Tap ➕ to call out more function options.
 • Add friend: It is disabled if you have added the partner as your friend.
 • File: Choose diagnostic reports or local files to send.
 • Picture: Choose screenshots or pictures to send.

• Tech 2 Tech: To start a remote diagnostic session. For details, refer to Chapter 6.2.4.
 • Camera: Open camera to take pictures.
• Tap "Clear" to delete all the partner's dialog logs.

6.2.4 Launch Remote Diagnosis (Scanner to Scanner)

The tablet is allowed to initiate remote diagnosis with other diagnostic tools (including but not limited to the MAXIMUS PLUS) of Matco & Launch family, which are equipped with this module.

*Note: Before performing this operation, please make sure the following conditions are met no matter which side sends the remote request:
 • Turn on the vehicle power supply.
 • The VCI dongle should be properly connected to the vehicle's DLC and a successful communication with the tablet is required.

A. In case you do not add the partner as your friend, directly tap "Remote Diagnose".
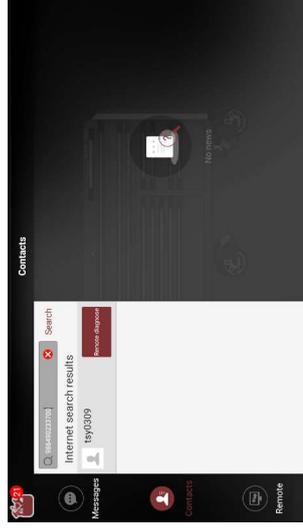
B. If you have added the partner into the Contact, tap ➕ and select

www.matcotools.com | 877-853-3738

"Tech 2 Tech" from the pull-down option list.

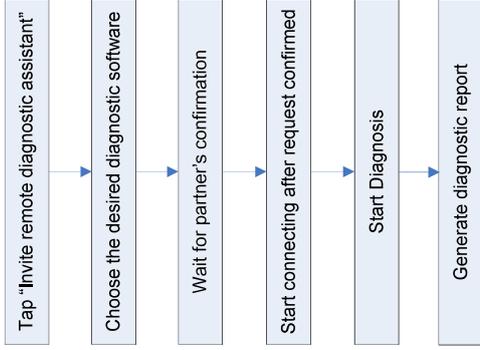| Request control remote device |
| Invite Remote Diagnose assistant |
| Cancel |

The Tech 2 Tech options are defined as follows:

Actions	Results
	Request to control the partner's device remotely to help him diagnose the vehicle.
	*Notes:
	● Remote diagnosis has the same diagnostic steps as manual diagnosis.
	● In process of remote diagnosis, tap the button to send a voice message.
	● Once vehicle diagnosis is complete, a report will be created. Input your comments on this report, and then tap "Send Report" to send it to the partner.
	● If you have a local vehicle diagnosis in process, please exit it first before starting remote diagnosis.
Request control remote device	Tap "Request control remote device" → Wait for partner's confirmation → Start connecting after request confirmed → Start Diagnosis → Generate diagnostic report

User Manual

6.2.5 Launch Remote Diagnosis (Based on Web-based Remote Diagnostics Platform)

Except that the remote diagnosis can be done between different MATCO's diagnostic tools that come loaded with the module, user can also ask for remote control from PC client technician or provide remote assistant on Web-based remote diagnostics.

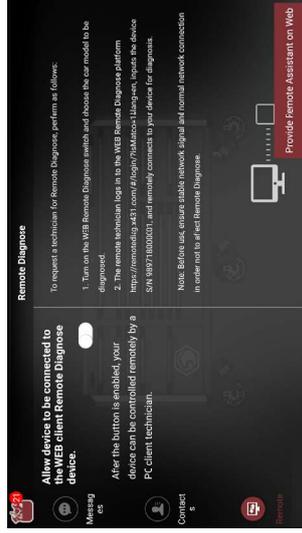### 1. Invite remote diagnostic assistant

1. Tap the Remote tab, the following screen will appear:

2. Slide the switch Allow device to be connected to the WEB client remote diagnostic device to ON so that the remote technician can connect to this device remotely.

3. Choose the car model to be diagnosed.

4. Notify the remote technician of the web remote diagnostics platform web link and ask him/her to log in to the web remote diagnostics platform.

5. After successfully logging in, input the S/N of your device and now your device will be controlled remotely by the PC client technician.

| Invite remote diagnostic assistant | If you need support, just use this option to invite a technician to perform a remote control on your tool.
*Notes:
● Remote diagnosis has the same diagnostic steps as manual diagnosis.
● In process of remote diagnosis, tap the button to send voice message.
● Once you received the report from the partner, tap "View Report" to view details. All diagnostic reports are saved "Toolbox" -> "Saved Reports" -> "Remote Reports".

Tap "Invite remote diagnostic assistant"
↓
Choose the desired diagnostic software
↓
Wait for partner's confirmation
↓
Start connecting after request confirmed
↓
Start Diagnosis
↓
Generate diagnostic report |
| Cancel | To cancel this operation. |

2. Request control remote device

1. Tap the Remote tab, the following screen will appear:

2. Tap "Provide Remote Assistant on Web", the following screen will appear:
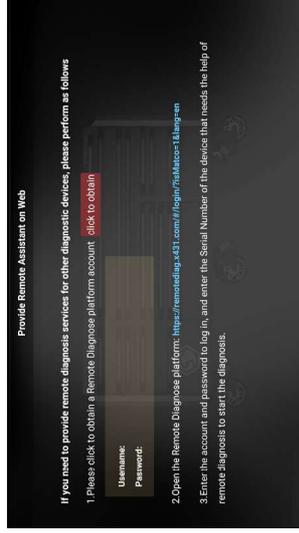
3. Tap "Click to obtain" to obtain a Remote Diagnostics Platform account.

4. Open the Remote Diagnostics Platform web link.

5. Enter the account and password to log in, and enter the Serial Number of the device that needs the help of remote diagnosis to

start the diagnosis.

In process of remote diagnosis, please note the following things:

1) You are not suggested to execute any actions.

2) The partner is not allowed to save any diagnostic reports or records on your tablet.

The operations in remote diagnosis are same as those in Local Diagnose. Once the session is complete, a remote diagnostic report will be automatically generated.

6.3 Feedback

This item allows you to feedback your diagnostic problems to us for analysis and troubleshooting.

Tap "Feedback", the following 3 options will be displayed on the left column of the screen.

A. Feedback

Tap a tested vehicle model to enter the feedback screen.

1) Tap "Choose File" to open the target folder and choose the desired diagnostic logs.

2) Choose the failure type and fill in the detailed failure description in the blank text box and telephone or email address. After inputting, tap "Submit Result" to send it to us.

B. History

Tap it to view all diagnostic feedback records. Different process states are marked with different colors.

C. Offline list

Tap it to display all diagnostic feedback logs which have not been submitted successfully due to network failure. Once the tablet gets a stable network signal, it will be uploaded to the remote server

automatically.

6.4 Update

This module allows you to update the diagnostic software & App and set frequently used software.

If you did not download the software in process of product activation or a number (indicating the available software quantity) displaying on the upper right corner of the [icon], you may use this option to download it or keep it synchronized with the latest version.

Tap "Update" to enter the update center.

This page includes two options: All Software and Common Software.

6.4.1 Update Diagnostic Software & APP

The Available tab displays a list of software that can be updated. Under it, all software is categorized into three kinds:

- Common software: mainly includes some common apps that are associated with the diagnostic app. The software of this kind always stays at the top of the list, which can be deselected manually

(excluding the system app, such as firmware and ECU aid).

- Frequently used vehicle software: refers to the diagnostic software that is frequently used, including the vehicle diagnostic software and Reset software. It is generally displayed following the Common software list.

- Other vehicle software: refers to the diagnostic software that is rarely used or never used. It is generally displayed following the Frequently used software list.

1). If the user does not download any diagnostic software during the sign-up process, all diagnostic software is selected by default. Tap "Install" to start downloading.

2). If the user downloaded all/some vehicle software during the sign-up process and had it serviced for a long period of time, only the frequently used software is selected. Tap "Install" to start downloading. Other vehicle software that is rarely used will also be listed under the Available tab, but it is not selected at default.

To download certain software that is not frequently used, check the box before the vehicle model. Tap "Install" to start downloading.

Once download is finished, the software packages will be installed automatically.

6.4.2 Set Frequently Used software

If the user only intends to update the frequently used software, tap the Downloaded tab.

Tap "Install" to start downloading. Once download is finished, the software packages will be installed automatically.

6.5 Settings

This module allows you to manage diagnostic reports, VCI devices,

configure wireless printer and print information and add favorite website etc.

6.5.1 General

6.5.1.1 Units of Measurement

It is designed to set the measurement unit. Metric System and English System are available.

6.5.1.2 Expiration Reminder

All pre-installed diagnostic software is free to use for 30 days. Once it expires, it will be locked automatically and the system will prompt you to activate your VCI if the expiration reminder is ON.

6.5.1.3 Diagnostic Software Auto Update

This option is designed to turn on/off the automatic diagnostic software update function. If set as ON, the system will automatically update the available diagnostic software when the tablet has a network connection and a newer version is detected.

6.5.1.4 Automatic detection once connected

This option enables you to determine whether to start an automatic VIN detection once the handset is properly connected to the vehicle's DLC.

6.5.1.5 Auto Generate Health Report once connected

Once it is set as ON, the system will automatically output a health report once the AutoDetect diagnostic session is finished.

6.5.1.6 Diagnostic Application Auto Update

This option is used to set whether to update the available diagnostic application automatically when the tablet has stable Wi-Fi signal.

6.5.2 VCI Management

If several VCI devices are activated on this tool, a list of VCI devices will be displayed on the screen. If your tool extends to support heavy-duty trucks, you need to switch to the corresponding VCI module before diagnosing it.

Once you choose the device that belongs to other account, you have to log out, and then input the right account to continue.

- If you use the another VCI to test a vehicle, select the desired checkbox and tap "Pair" to pair it with the tablet.

- If the current VCI comes across communication failure, tap "Firmware Fix" to update and fix the diagnostic firmware. During fixing, please do not cut power or switch to other interfaces.

- If you use the current account to test a vehicle with another tablet, tap "Unpair" to unpair the VCI device with the previously paired tablet.

* Note: please be sure to keep the VCI device powered on while performing the operation.

6.5.3 Icon Size

This feature allows you to set the size of the diagnostic software icon according to your preference.

Drag the slider to different size and the system will display the corresponding effect.

6.5.4 MD Printer Connection

This option is used to establish a wireless connection between the tablet and the printer (sold separately) while performing printing operations.

The App is compatible with the "Matco Tools Wi-Fi Printer" (sold separately) and "System" (external printer).

1. For Matco Tools Wi-Fi printer, follow the instructions described in the User Manual included with the printer to configure it.

2. For other Wi-Fi printers,

Before printing, make sure the following conditions are met:

- The Wi-Fi printer is powered on and working normally.
- The print service plug-in associated with the printer is already installed on the tablet (Go to Google Play or use the Browser to download and install it).

Follow the steps below to proceed:

1. Set the default printer as System.
2. Go to "Settings"-> "Network & Internet"-> "WLAN", set the WLAN switch to Off.
3. On the report details page, tap 🖨.
4. Touch ▶ next to Select a printer on the upper left corner of the screen.

5. Select "All Printers"-> "Add printer" and enable the installed printer service, the system starts searching for all available Wi-Fi printers of the brand.
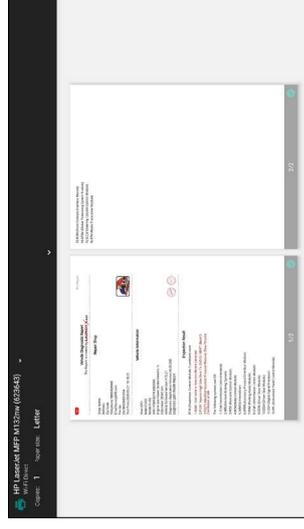
6. Select the desired Wi-Fi printer from the list. If the chosen Wi-Fi printer hotspot is open, the tablet can connect it directly. If it is encrypted, a password may be required. Refer to the Wi-Fi printer user manual to get the default password.

7. Now the printer is ready for printing.

www.matcotools.com │ 877-853-3738

8. Alternatively, you can also choose Save as PDF to save the current diagnostic report as a PDF file for later printing.

6.5.5 Shop Information

This option lets you define the detailed information of your workshop. It mainly includes Workshop, Address, Zip Code, Telephone, Email etc.


After inputting, tap "Save".

Once you saved the shop information, it will be loaded automatically in the "More Information" box every time you save the diagnostic report.
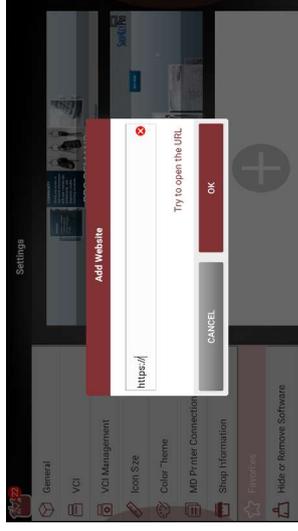
6.5.6 Favorites

This feature provides you quick accesses to some renowned and popular repair and maintenance website links. These may include general information about a component or system, diagnostic and troubleshooting procedures and/or repair instructions. Moreover you can also add more repair websites into Favorites so that you can quickly open them in future.
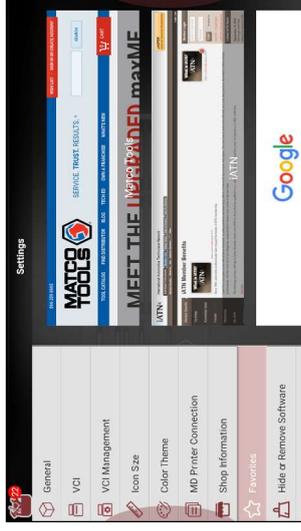
Tap the desired website to visit it.

To add certain website into favorites, scroll the screen to until it reaches to the bottom, tap "+", a dialog box similar to the following appears.

Type in the full web site in the blank, and tap "OK", it will be listed in the Favorites.

6.5.7 Hide or Remove Software

This item allows you to hide/clear the diagnostic software that is not

frequently used.

Tap "Hide or Remove Software", the screen displays as follows:

Under the "Hide Software" tab, select the desired software logo (a "Checkmark" will show in the checkbox located at the lower right corner) and tap "Hide", it will become invisible. Tap "Unhide" to undo the hide operation.

Under the "Remove Software" tab, select the desired software logo and tap "Delete", it will disappear from the screen.

*Note: Removing software may completely delete the software from the tablet. If some software is not used and the tablet runs out of space, you can use this feature to remove it. To re-download it, go to "Update" -> "All Software".

6.6 About

FAQ, Vehicle Coverage, Quick Start Guide and User Manual are included.

7 Applications

7.1 ADAS

Allows you to perform the ADAS calibration operations.

7.2 TPMS Database

Provides a brief tutorial on how to perform TPMS functions.

7.3 Videoscope

This module allows you to check those unseen parts of engine, fuel tank, braking system.

It needs to work with the compatible Videoscope device (sold separately).

For more detailed operations, please refer to the User Manual included with the module.

7.4 MaxDrive

The MaxDrive is a plug-and-play VCI device, which is used to record and store the OBD live data. After the vehicle data is saved, user can use the MDMAX4 to synchronize and review the data for analysis and troubleshooting.

For more detailed operations, please refer to the In-app User Manual.

7.5 MaxBattery

This MAXBattery works as a professional Bluetooth battery tester.

Through this function, users can perform battery health test, start system test and charging health test.

It needs to work with the included MDMAXBATTERY module.

For more detailed operations, please refer to the User Manual included with the module.

Appendix - FAQ

1. Communication error with vehicle ECU?

Please confirm:

1. Whether diagnostic connector is correctly connected.
2. Whether ignition SW is ON.
3. If all checks are normal, send vehicle year, make, model and VIN number to us using Feedback feature.

2. Failed to enter into vehicle ECU system?

Please confirm:

1. Whether the vehicle is equipped with this system.
2. Whether the VCI dongle is correctly connected.
3. Whether ignition SW is ON.
4. If all checks are normal, send vehicle year, make, model and VIN number to us using Feedback feature.

3. Can I use any power adapter other than the included 5V to charge the tablet?

No. Please use the included 5V power adapter or docking station to recharge the tablet. We assume no responsibility for damage or loss resulting from the use of any other adapters.

4. How to save power?

- Please turn off the screen while MAXIMUS PLUS keeps idle.
- Set a shorter standby time.
- Decrease the brightness of the screen.
- If Wi-Fi connection is not required, please turn it off.
- Disable GPS function if GPS service is not in use.

5. How to reset the tablet?

There are 2 methods available to reset the tablet:

Method 1

1. Ensure the tablet is in ON mode.
2. Select "Settings" on the Home screen.
3. Select "Backup & reset".
4. Tap on "Factory data reset".
5. Tap on "RESET TABLET" to confirm.

Method 2

1. Ensure the tablet is in OFF mode.
2. Hold and press VOLUME - key and POWER key until the tablet enters system boot mode.
3. Use the VOLUME + / VOLUME - key to switch to system recovery mode and press POWER key to confirm.
4. Use the VOLUME + / VOLUME - key to move the highlight bar on "wipe data / factory reset" and press POWER key to confirm.
5. Press VOLUME + / VOLUME - to select "yes" and press POWER key to confirm.
6. Select "reboot system now" and press POWER key to restart the system.
7. After resetting is complete, follow the on-screen instructions to finish the system settings.

⚠ WARNING : Resetting may cause data loss. Before doing so, please make sure important data has been backed up.

6. How to update Android?

A newer Android version will be released to bring better user experience. Please see below details. Please make sure your tool battery has at least 70%. Do NOT run any other programs during the update.

Step 1- Press the Home key to navigate to the Home screen.

Step 2- Tap on "Wireless Update".

Step 3- Tap on "Check for updates". Once a newer version is found, follow the on-screen instructions to download and install the update file.

Step 4- Be patient to wait until the update is done.

7. My software subscription has expired, how do I renew it?

(1) Contact your Matco dealer to purchase an upgrade certificate.

(2) Call 877-853-3738 (Option 3) so that the software can be activated.

8. How to register the MAXIMUS PLUS?

1. Turn the tablet on.
2. Turn on Wi-Fi: Select "Settings" -> "Wi-Fi". Choose preferred network and tap on "Connect".
3. Open the MAXFLEX Software. Select "REGISTER UNIT".
4. Fill in the account information and device information (Serial number is a 12-digit number starting with 98– you can find it on the back of your tool. Verification code is a 8-digit number stored in the included Private & Confidential sheet. Activation code is printed on the receipt, or consult your dealer for it), and then tap on "ACTIVATE".
5. Tap on "RUN DIAGNOSTICS" to launch diagnostics.
6. Tap on the "Toolbox" icon on the top left-hand corner of the screen to switch to the Toolbox module.
7. Tap on "Update" to enter the update center.

8. Make sure all brands are selected, tap on "Update" on the update page to start updating. Download and installation will take approximately 10 minutes depending on the internet connection.

9. What to do if the tablet runs out of space when downloading software?

1. Refer to the item "How to back up data?" to back up the important data.
2. Delete the data that has been backed up to release the storage space.

10. How to back up data?

1. Turn the tablet on.
2. Plug the external storage device into the data transmission port (not type-C port) of the tablet.

*Note: For this tablet, the USB Type C interface is only for charging and disabled for data exchange. To exchange files with other external storage devices, please use the USB Type A interface only.

3. Tap on the ES icon on the home screen to open the ES File Explorer.
4. After the tablet identifies the storage device, USBxxxx will appear under the Internal Storage.
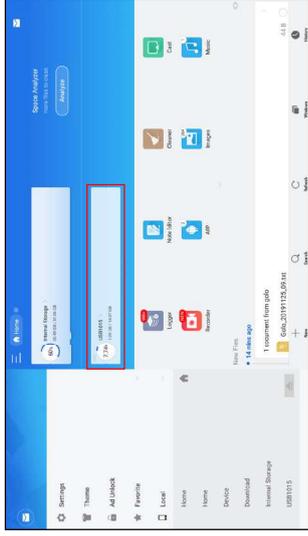
5. Tap on "Internal Storage"(*Note: Take "Pictures" for example).

6. To copy all files in the "Screenshots" folder, tap on it for a while, all available operation options will appear.
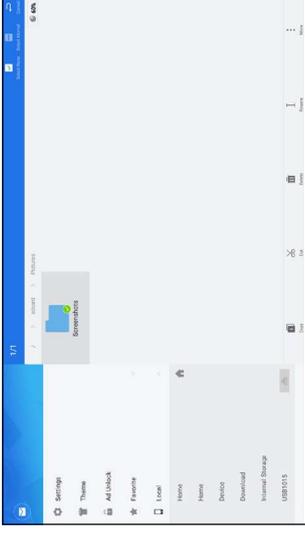
7. Tap on "Copy" on the bottom of the screen, the folder is successfully copied.

8. Tap on "USBxxxx" and select the target folder, tap on "Paste" to start copying.

9. After the total progress reaches to 100%, the backup is OK. Unplug the storage device from the tablet.

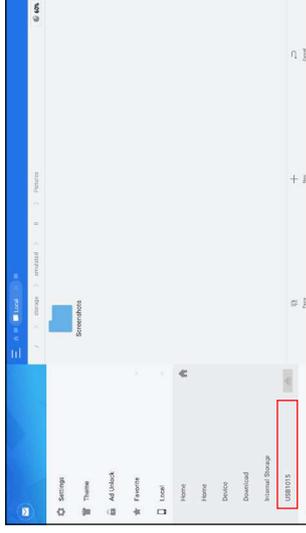*Note: Another method is available for picture backup. User can also go to Gallery to select the desired folder/files and share it to the external storage device via "ES Save to...."

11. The diagnostics application is failing.

1. Tap on the Home key to navigate to the Home screen.
2. Select "Settings".
3. Select "Apps".
4. Select the MAXFLEX Application from the Apps list.
5. Select "Force Stop".
6. Tap on "OK" to confirm.
7. Select "Storage" -> "Clear Data".
8. Tap on "OK" to confirm.

If you have any questions on the operation of the unit, please contact Matco customer service number: 877-853-3738.

Statement:

We reserve the rights to make any change to product designs and specifications without notice. The actual object may differ a little from the descriptions in the manual in physical appearance, color and configuration. We have tried our best to make the descriptions and illustrations in the manual as accurate as possible, and defects are inevitable, if you have any question, please contact local dealer or after-sale service center, we shall not bear any responsibility arising from misunderstandings.

www.matcotools.com | 877-853-3738

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 receiver.

-    Connect the equipment into 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.

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The SAR limit adopted by USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the Federal Communications Commission (FCC) the Industry Canada (IC) for this device type when it is tested for the properly worn on the body is under 1g 1.6W/Kg.

The device complies with the RF specifications when the device is used near your at a distance of 0 mm from your body. Ensure that the device accessories such as a device case and a device holster are not composed of metal components. Keep your device away from your body to meet the requirement earlier mentioned.

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0 mm must be maintained between the user's body and the product, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.