Winmate M133W

Ultra Rugged Tablet PC

Microsoft® Windows® 10 IoT Enterprise.

Microsoft® Windows® Embedded 8.1 Industry Pro.

Microsoft® Windows® Embedded Standard 7.

Microsoft® Windows® 7 Ultimate/Professional for Embedded Systems.

Product Reference Guide

Revision History

Revision	Arthor	Date	Description
1.0	Henry Lee	Sept. 11, 2015	Initial Release
1.1	Henry Lee	Sept. 25, 2015	Update First Time Setup Section
1.2	Henry Lee	Oct. 13, 2015	Add MotoSettings Instruction
1.3	Henry Lee	Oct. 20, 2015	Update First Time Setup Section
1.4	Henry Lee	Jan. 19, 2016	Add Changing the Touchscreen modes
1.5	Henry Lee	Apr. 14, 2016	Add Setting up Windows 10 IoT Enterprise Add instruction for LED/HF RFID/GPS/Light Sensor

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Note

- Display images shown may vary slightly from actual display. Information in this manual is subject to change without notice.

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1 Read Me First

1.1 Safety Information

Follow and adhere to all warnings and instructions in this manual. For your safety, please read all safety and operating instructions before using the product. Keep this manual for future reference.

1.1.1 Precaution on Battery Pack

1. Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example) Generation of heat, ignition or rupture may result
2. Do Not Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack.
   Electrolyte leakage, generation of heat, ignition or rupture may result.
3. Do Not Short the Positive (+) and Negative (-) Terminals of the Battery. Generation of heat, ignition or rupture may result. When carrying or storing the device, do not place the battery pack together with articles that may contact electricity.
4. Do Not Apply Shocks to the Battery by Dropping It or Applying Strong Pressure to It. Electrolyte leakage, generation of heat, ignition or rupture of battery may occur.
5. Do Not Charge the Battery Other Than Methods Those Specified In This Manual. If the battery is not charged using one of the specified methods, electrolyte leakage, generation of heat, ignition or rupture may result.
6. When the Battery Pack Has Deteriorated, Replace It with a New Battery. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.
7. Do Not Use the Battery Pack With Any Other Products. The battery pack is rechargeable and is only designed for this specific product. If it is used with a product other than the specified product, electrolyte leakage, generation of heat, ignition or rupture may result.
8. Do Not Use This Product With Battery Other Than the One Specified.
9. Risk of Explosion if Battery is Replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

1.1.2 General Product Safety

1. This product should not be used near water such as bathtubs, sinks, swimming pools, wet basement, etc.
2. Do not block any ventilation openings. Do not place the product against a wall or in an enclosed space as doing so might impede the flow of cooling air.
3. Do not place the product near any heat sources such as radiators, warm air intakes, stoves or other heat-generating devices (including amplifiers or other heat producing equipment).
4. Do not disregard the safety that a polarized or grounded connection can provide. A polarized connection consists of two plugs, one of which is larger than the other. A grounded connection has two blades and a third one that is grounded. If the main plug provided cannot be inserted into your outlet, consult an electrician to replace your obsolete outlet.
5. Protect the power cord from being crushed or pinched, particularly in the area of the plugs, any receptacles used, and the point of exit from the apparatus. Do not break off the ground pin of the power cord.
6. Use only accessories specified by the manufacturer.
7. Use only with its transport carriage, stand, tripod, console or table specified by the manufacturer or sold with the product. When using a carriage, move the carriage assembly with the product carefully to avoid damage from falling over.
8. Unplug this apparatus during lightning storms or when it is not being used for long periods.
9. Refer all servicing to qualified service personnel. A technical intervention is required when the apparatus has been damaged in any way, for example if the power cord or plug is damaged, liquid has been spilled or objects have fallen inside the unit, if the product has been exposed to rain or moisture, if it does not operate normally or if it has been dropped.

1.2 Handling and Maintenance

Follow and adhere to all warnings and instructions in this manual. For you're the longevity of the product usage, please read all operating instructions before using the product. Keep this manual for future reference.

1.2.1 General Guideline

1. Keep the product at least 13 cm (5 inches) away from electrical appliances that can generate a strong magnetic field such as TV, refrigerator, motor, or a large audio speaker.
2. Do not place heavy objects on top of the tablet computer as this may damage the display.
3. The screen surface can be easily scratched. Use with care. Do not use paper towels to clean the display but use the included cleaning cloth. Avoid touching it with a pen or pencil.
4. To maximize the life of the backlight in the display, allow backlight to automatically turn off as a result of power management. Avoid using a screen saver or other software that prevents the power management from working.

1.2.2 Cleaning Guideline

1. Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the product.
2. Gently wipe the display with a soft, lint-free cloth. Do not use alcohol or detergent on the product.

1.2.3 Touchscreen Guideline

1. Use your finger or the stylus on the display. Using sharp or metallic object may cause scratches and damage the display, thereby causing errors.
2. Use a soft cloth to remove dirt on the display. The touchscreen surface has a special protective coating that prevents dirt from sticking to it. Not using a soft cloth may cause damage to the special protective coating on the touchscreen surface. To clean off hard to remove dirt, blow some steam on the particular area and gently wipe away using a soft cloth.
3. Do not use excessive force on the display. Avoid placing objects on top of the display as this may cause the glass to break.
4. When there is a noticeable discrepancy in the operation of the touchscreen function (your touch does not correlate to the proper location on the screen), recalibrate the touchscreen display.

2 Getting Started

When there is a noticeable discrepancy in the operation of the touchscreen function (your touch does not correlate to the proper location on the screen), recalibrate the touchscreen display.

Congratulations on purchasing this rugged Tablet Computer. The rugged design allows you to use it in harsh outdoor environments.

This chapter tells you step by step how to get the Tablet Computer up and running. You will find instructions for the following procedures:

- Unpacking
- Description of Parts
- First Time Operations
- Turning On/Off

2.1 Unpacking

2.1.1 Check and identify the supplied accessories:

Tablet Computer

Standard Battery

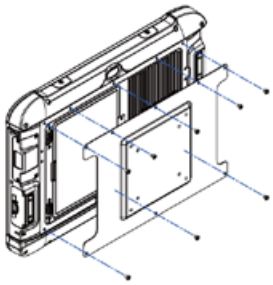
Power Adapter

Power Cord and Plugs

Stylus

Kickstand (optional)

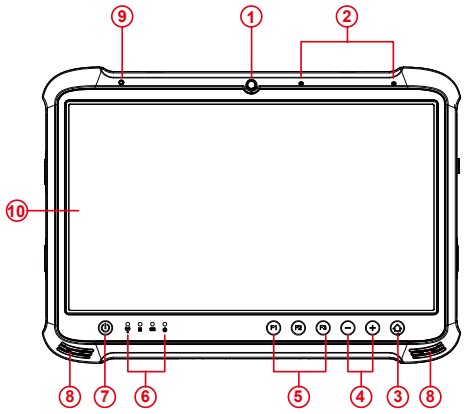
VESA Mounting Kit (optional)



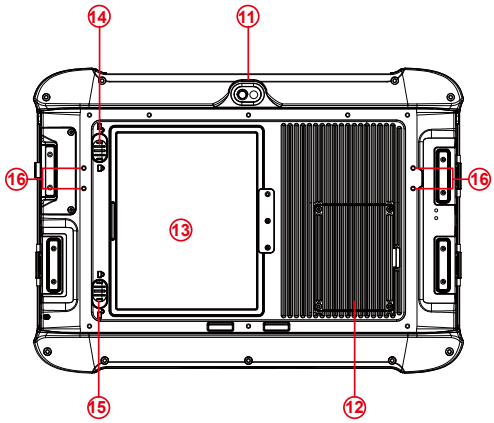
Shoulder Strap (Optional)

2.2 Description of Parts

Front



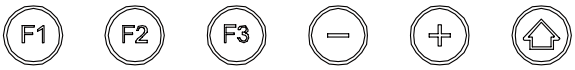
Rear



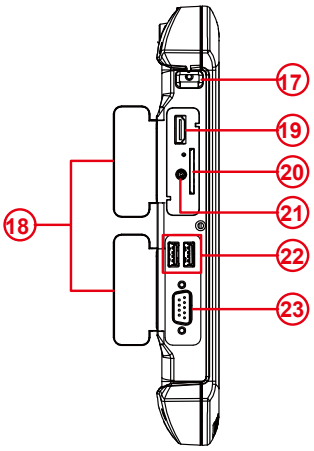
No	Item		Description
1	Front Camera		2 Megapixel Webcam
2	Microphone		Digital Microphones
3	Menu Button		HotTab Quick Access
4	+/- Buttons		Change be used to control volume
5	Fn Buttons		Programmable Function Buttons
6	LED Indicators:		Show the current status of the Tablet Computer
	RF		**Green** - WiFi/BT/3G/GPS ON **No light** - None of WiFi/BT/3G/GPS is ON
	HDD		**Green** - Harddrive Activity **No light** - Harddrive Idling
	Battery		**Orange** – AC adapter is plugged in and charging **Green** – AC adapter is plugged in and battery is completely charged **Solid Red** - Low battery (<10%) **Blinking Red** – Battery is being hot swapped. **Not lit** – Battery is in use and more than 10%
	Power		**Blue** – Tablet is ON **No light** – Tablet is OFF
7	Power Button		Turns on/off tablet
8	Speakers		Emit sounds
9	Light Sensor		Controls screen brightness
10	Touchscreen		Display and input for tablet
11	Rear Camera		5 Megapixel Camera with Flash
12	Service Window		Access to 2 SSD M.2 slots,1 WWAN mPCIe slot, and Micro Sim Slot.
13	Battery		User-replaceable battery
14	Battery Lock Latch		Latch to lock the battery once battery is inserted. Not spring-loaded.
15	Battery Release Slider		Spring-loaded slider that latches the battery in.
16	Kickstand Screw Holes		Screw holes to mount the kickstand onto the tablet

2.2.1 Front LED Indicators Detail:

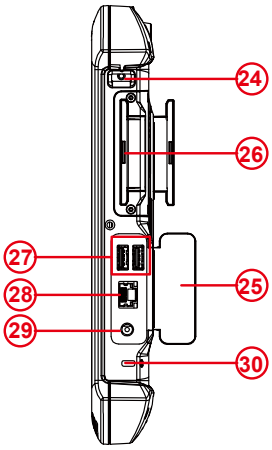
Front Button Details:



Left

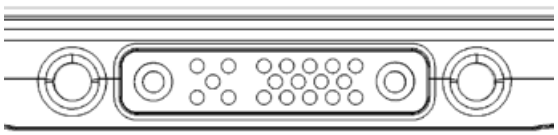


Right



No	Item	Description
17	Shoulder Strap D-Ring	Provides loop to mount shoulder strap
18	I/O Cover	Protects I/O Ports
19	HDMI	HDMI output to external display
20	SD Card	Memory card reader port for SD Card
21	Audio Jack (Mic In/Line Out)	Headset or headphone can be connected (Mic is only supported with 3.5mm 4-pin headset)
22	USB 3.0 x 2	2 Ports High Speed USB ports, connects to USB devices such as USB flash drive, mouse, keyboard, printer, etc.
23	RS232 Serial Port	RS232 COM Port interface for serial communication
24	Shoulder Strap D-Ring	Provides loop to mount shoulder strap
25	I/O Cover	Protects I/O Ports
26	Optional I/O Slot	Option of Smart Card Reader or 1D/2D Barcode Scanner
27	USB 2.0 x 2	2 Ports High Speed USB ports, connects to USB devices such as USB flash drive, mouse, keyboard, printer, etc.
28	LAN Port	Gigabit Ethernet RJ45 Connector for LAN connection
29	Power Jack	DC-IN Power input jack
30	Kensington Lock Port	Provides lock access for Kensington Lock.

2.2.2 Docking Connector Detail:



2.3 Combination Keys (Keyboard Key Emulation)

For the physical buttons on the tablet computer, in addition to their dedicated functions detailed in the previous section, they can also be used to emulate commonly used keyboard key strokes. Under different scenario, a single physical button or a combination of physical buttons provide different keyboard key strokes, which are specified below:

Under POST (before Windows boots up):

Buttons	Keystroke
F1	Recovery Menu- See section 4-3 for more detail.

Under Windows:

Buttons	Keystroke
“+” button & “-” button	Ctrl + Alt + Del

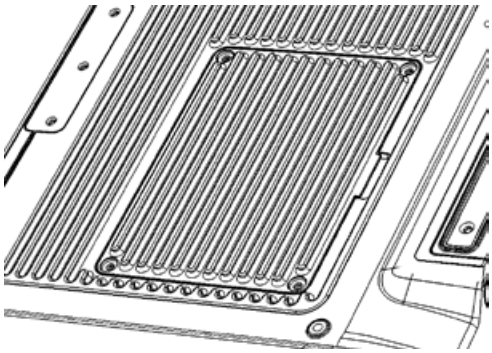
2.4 First-time Operation

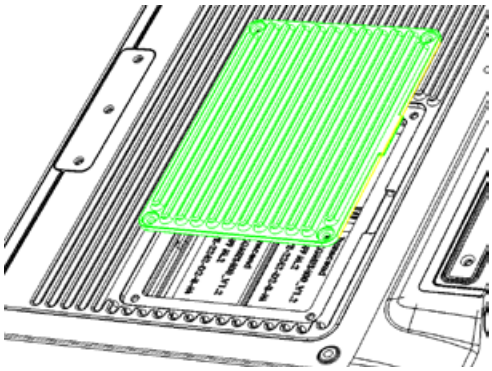
2.4.1 Insert SIM Card (for optional 3G/LTE equipped device)

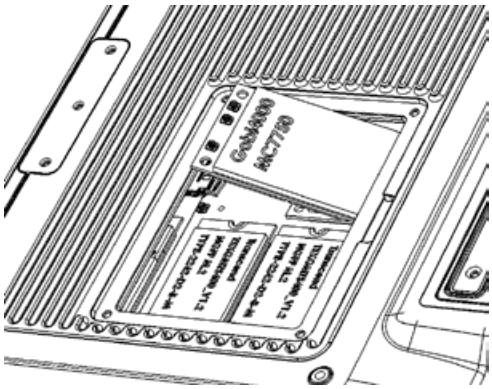
Caution	Please make sure the tablet is powered off, before opening up the service window to insert the SIM card.

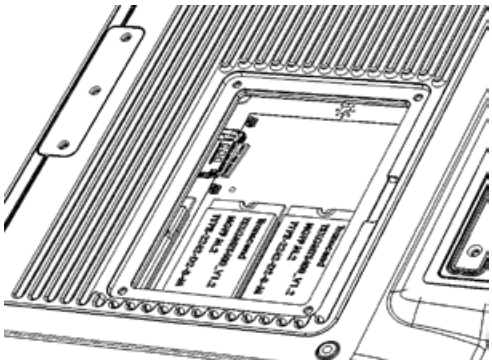
The Tablet Computer supports data connection using 3G/LTE SIM cards and fits Micro-SIM card. (Note: 3G/LTE feature is optional). Perform the following to install the SIM card to your Tablet Computer:

1. Disconnect any cords connected to the tablet computer.
2. Remove the service window in the rear by unscrewing four screws.
3. Remove the screw that is securing the 3G/LTE module.
4. Carefully lift the 3G wireless module up, and be cautious not to damage the connected cable.
5. Make sure the SIM card IC contact patch is faced down, notch is in the direction of insertion (towards right).
6. Insert the 3G SIM card into the slot located near the right side of the service window.
7. Reposition the removed 3G/LTE module screw to secure the 3G/LTE module.
8. Reposition the removed service window screw to secure the service window.





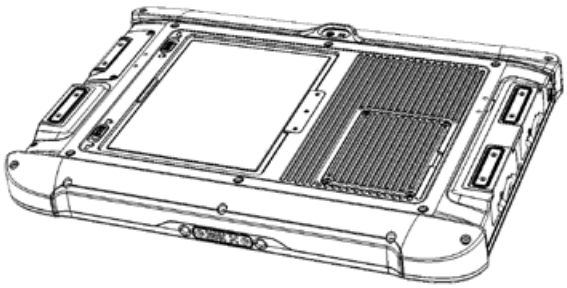


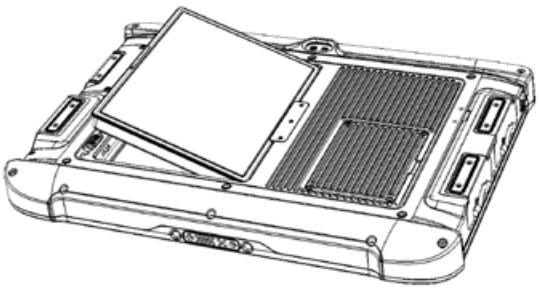


2.4.2 Insert Battery Pack

To insert the included standard battery pack into the Tablet Computer:

1. Disconect any cords connected to the tablet computer
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock Latch and push it to the “Unlocked” position.
4. Locate the Battery Release Slider that is spring-loaded. Pull back and hold.
5. Insert the battery on the connector-pins side first, and then lower the battery into the battery compartment. Continue to hold the Battery Release Slider before battery is fully inserted.
6. Make sure the battery is completely lowered into the compartment before letting go the Battery Release Slider. Battery will be flat against the housing once fully inserted





2.4.3 Remove Battery Pack

1. Shut down the tablet computer (or put it to sleep). Discconect any cords connected to the computer.
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock Latch and push it to the “Unlocked” position.
4. Locate the Battery Release Slider that is spring-loaded. Pull back and hold.
5. Lift the battery out using the opening on side of battery compartment.

2.5 Using Hot Swappable Battery Feature

The tablet computer supports hot-swapping of batteries, meaning the tablet does not need to be powered off in order to replace the mainbattery. To support such mechanism, there is a backup battery inside the tablet that is charged up with the main battery. This backup battery cannot be removed, and needs to have adequate power for hot swapping of main battery to be done without issue. When the backup battery is fully charged, it can sustain up to 5 minutes of runtime to allow for battery hot-swapping.

2.5.1 Perform the following to hot swap the batteries:

1. While the tablet is powered on, go to HotTab utility to check on the power level of the Backup battery.
2. If the Backup battery level is at “Low”, please charge the tablet with AC Power until the Backup battery level is at “Medium” or “High”, and do not remove the main battery.
3. If the Backup battery level is at “Medium” or “High”, remove the main battery.
4. Insert a new charged battery into the battery compartment.

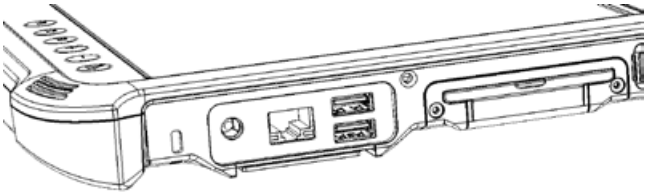
2.6 Connecting to Power Supply

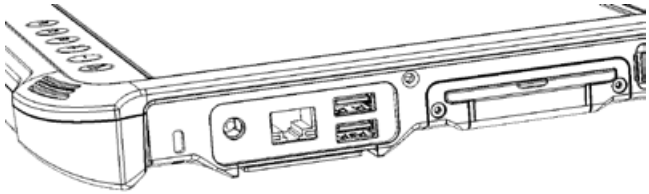
The Tablet Computer operates either on external AC power or internal battery power. It is recommended to use AC power when you start up the Tablet Computer for the first time.

Caution	Use only the AC adapter included with your Tablet Computer. Using other AC adapters may damage the Tablet Computer and the Battery.

2.6.1 Perform the following to connect the Tablet computer to AC Power:

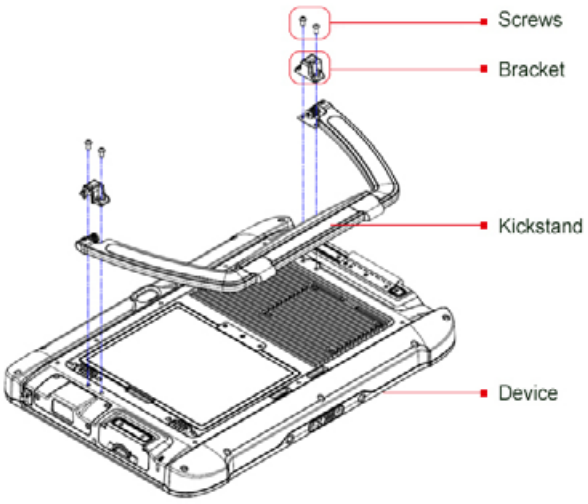
1. On the side of the Tablet computer, lift the I/O protective cover by pulling on the latch
2. Plug the DC cord of the AC adapter into the Power Jack of the tablet computer.
3. Plug the AC power cord into the AC adapter.
4. Finally, Plug the AC power cord into the electrical outlet.

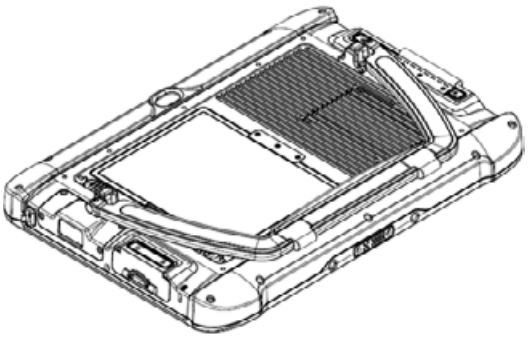




When the AC Adapter is connected, the battery pack starts charging. The battery LED indicator on the tablet computer would show different states. Please refer to description of LED indicator on Description of Parts.1.

2.7 Kickstand Installation





1. Turn the tablet computer over, so the back of the device is facing up.
2. Place the kickstand bracket with the screw holes in a line. (as the picture above)
3. Put the bracket cover on top of the kickstand screw holes.
4. Fasten all four screws on the bracket cover.

2.8 Turning On / Off

2.8.1 Turning On

Press and hold the power switch for 3 seconds until the blue LED power indicator light lid up.

Note

- Do not press the power switch repeatedly.

2.8.2 Turning Off (By Windows)

Perform the following procedure to shutdown the Tablet Computer:

1. Make sure you have closed any programs that are open on the Desktop. Start Screen apps don't need to be closed.
2. Open the Charms Bar by swiping your finger from the far right of the screen towards the middle of the screen.
3. Tab on the Settings charm.
4. Tab on Power.
5. Tab on Shut Down.
6. Wait for Tablet Computer to power off.

Note

- Forced Power Off:
- In case OS is irresponsible, it may need to be forcibly turned off by holding the power switch.
- The computer will forcibly be turned off if the power switch is pressed and held for six seconds or longer.

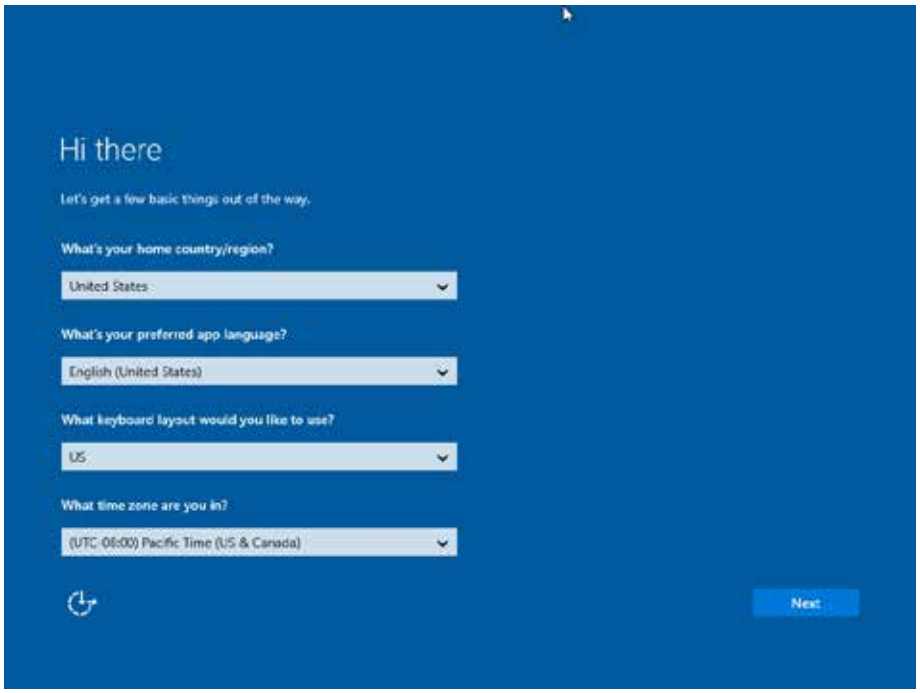
3 Setting up Windows for the First Time

This section details how to setup different version of the Windows that may be installed on the tablet for the first time.

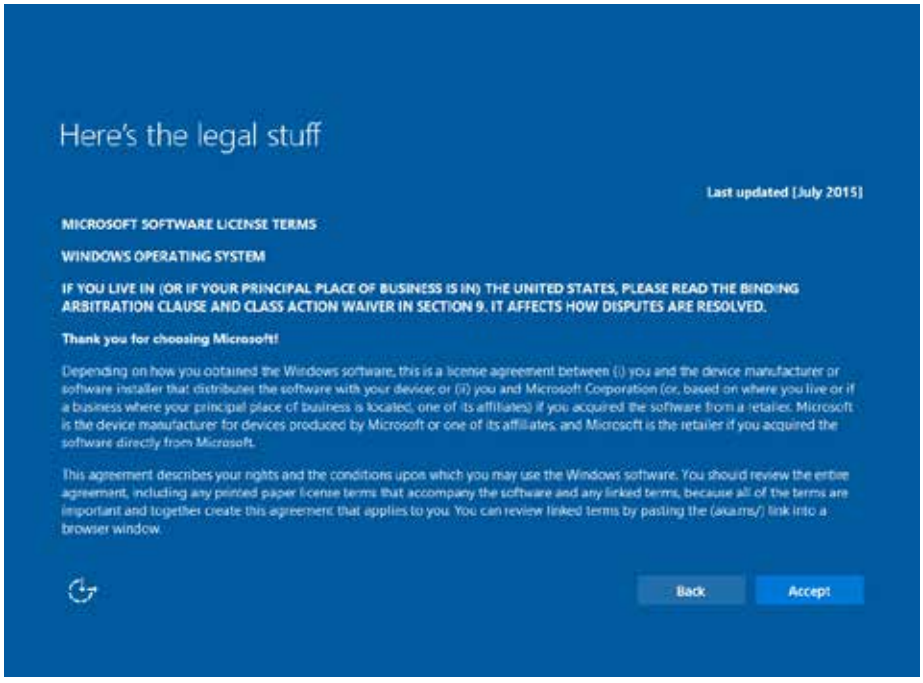
3.1 Setting up Windows 10 IoT Enterprise

Follow the steps below to complete the setup process.

1. Press the power button to turn on the computer.
2. First, select your country/region, your preferred app language, your preferred keyboard layout, and your time zone, then tap **Next**.

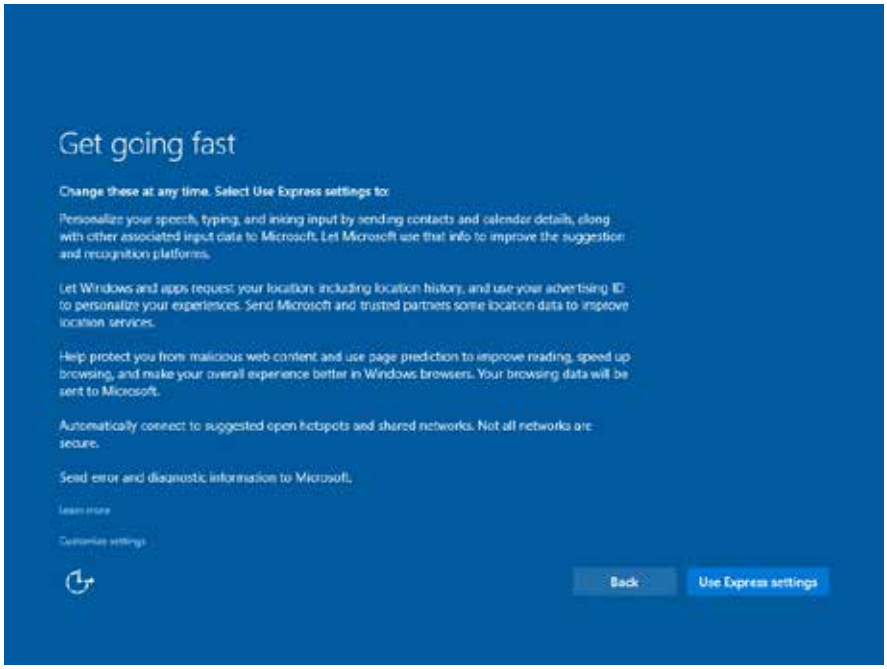


3. On the **Here's the legal stuff** screen, read through the disclosures, then tap **Accept**.

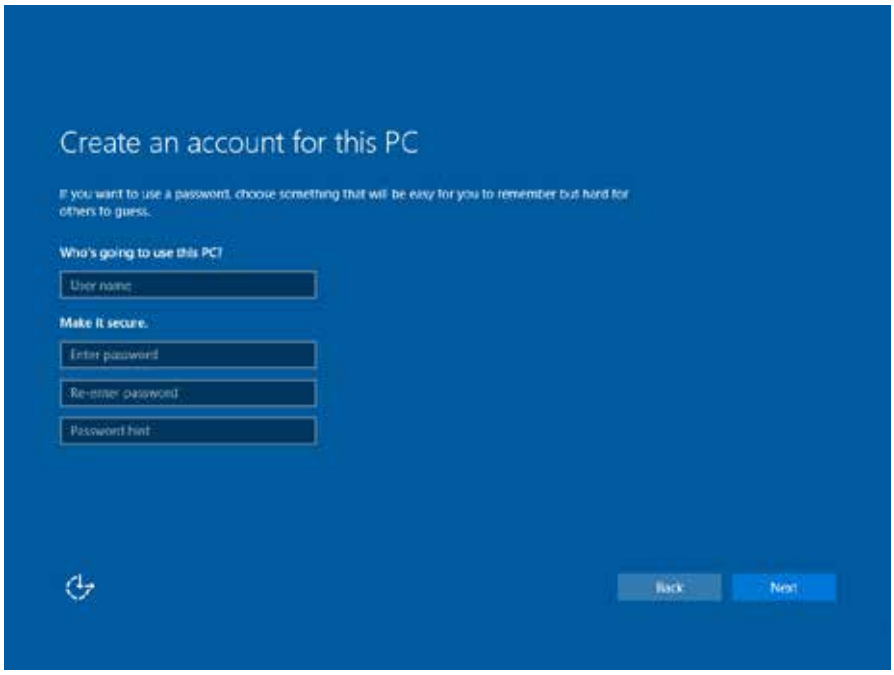


4. Windows will then try to connect to network. Tap **Skip this step** to continue without a wireless connection as you can then set up the network later.

5. On the **Get going fast** screen, click **Use Express settings** for the fastest setup. If you would like more information, tap **Learn more**, or if you would like to select your own options, click **Customize settings**.



6. To create a local account, type your User name, password, and Password hint in the fields provided, then tap **Next**.



7. The initial setup screens are complete, and the desktop is displayed.

8. Read any introductory screens describing features of your computer, and tap **Next** upon completing each. You are now done with the initial setup process.

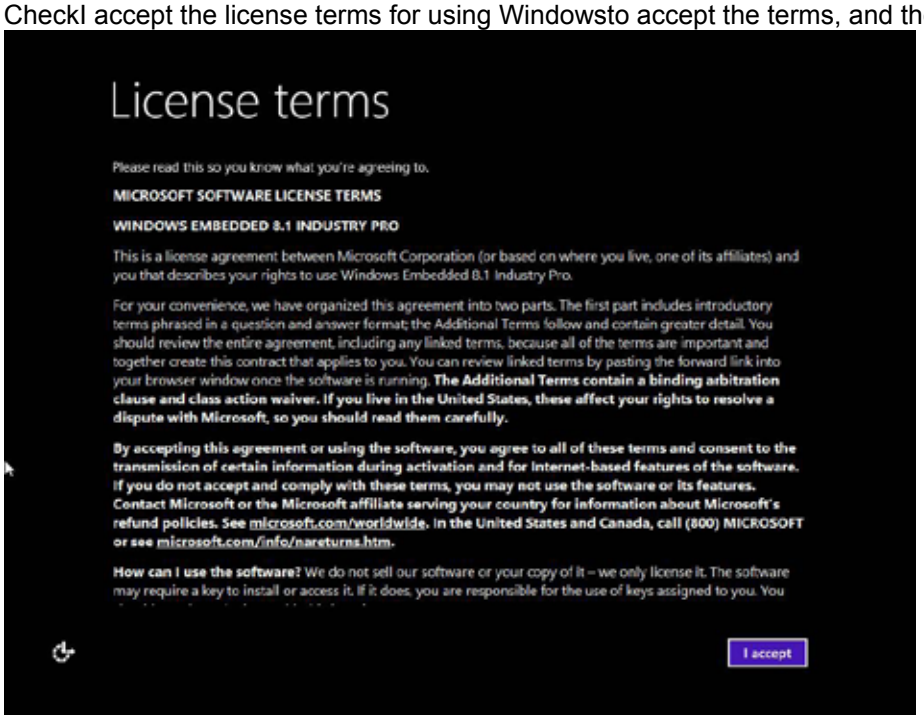
3.2 Setting up Windows Embedded 8.1 Industry Pro

Note

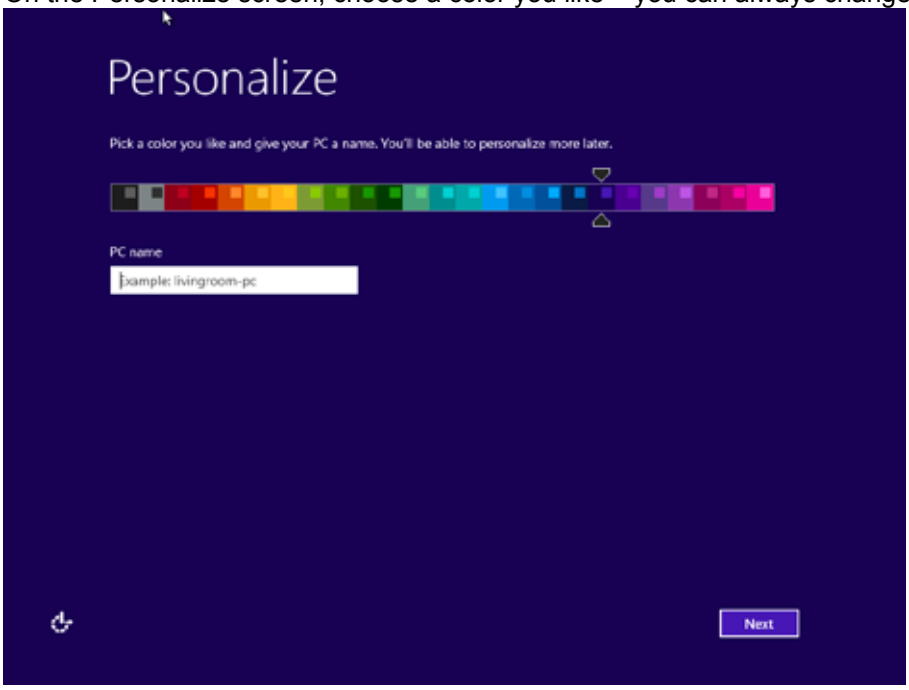
- The Windows Product Key for this version of Windows has been pre-installed with the system, so the user will not need to enter the Product Key when using the tablet for the first time.

Follow the steps below to complete the setup process.

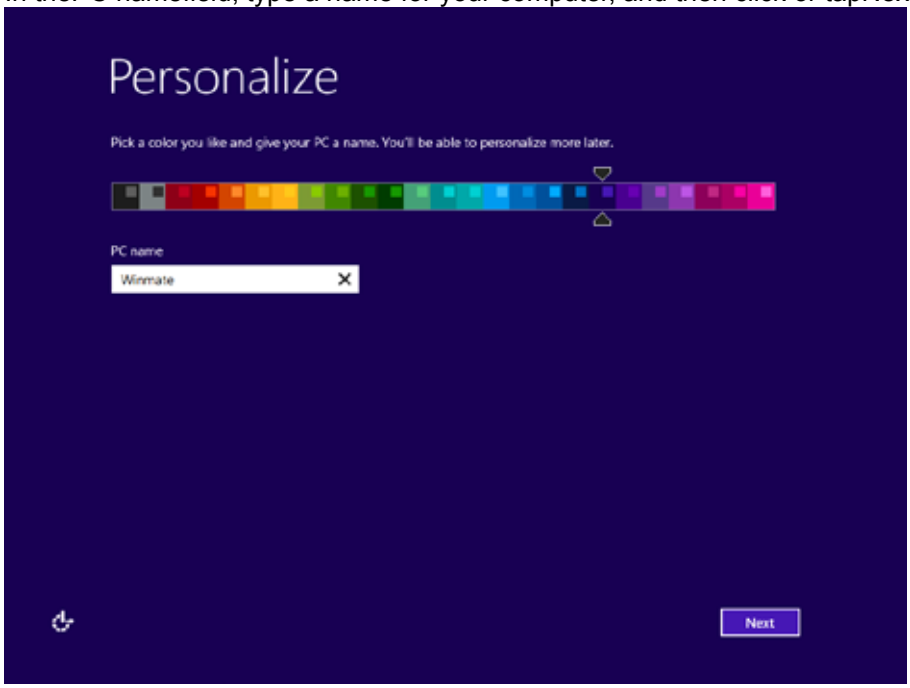
1. Press the power button to turn on the computer.
2. CheckI accept the license terms for using Windowsto accept the terms, and then click or tapAccept.



3. On the Personalize screen, choose a color you like – you can always change this later from the Start screen.

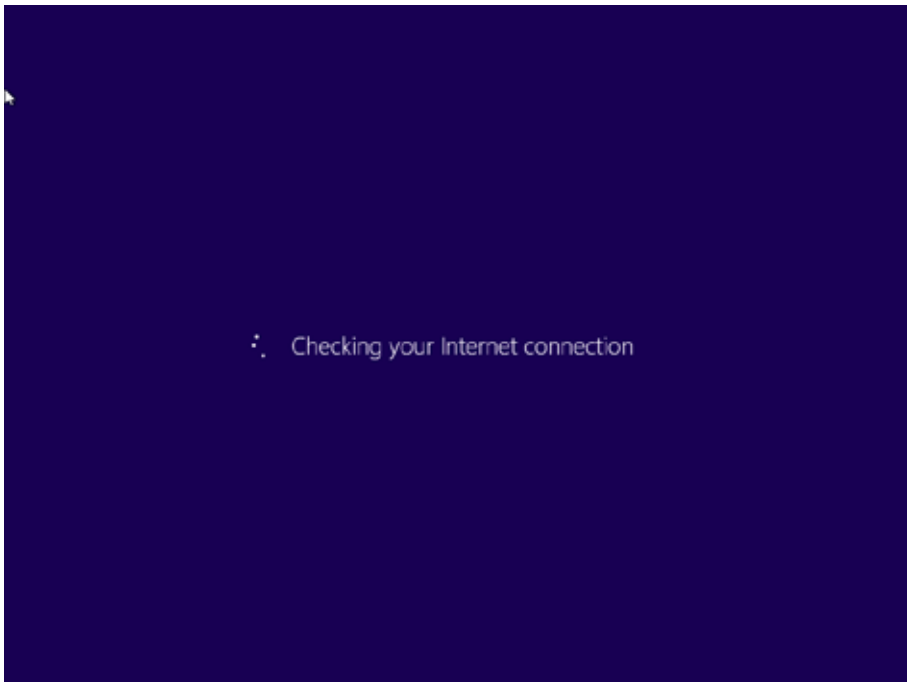


4. In thePC namefield, type a name for your computer, and then click or tapNext.

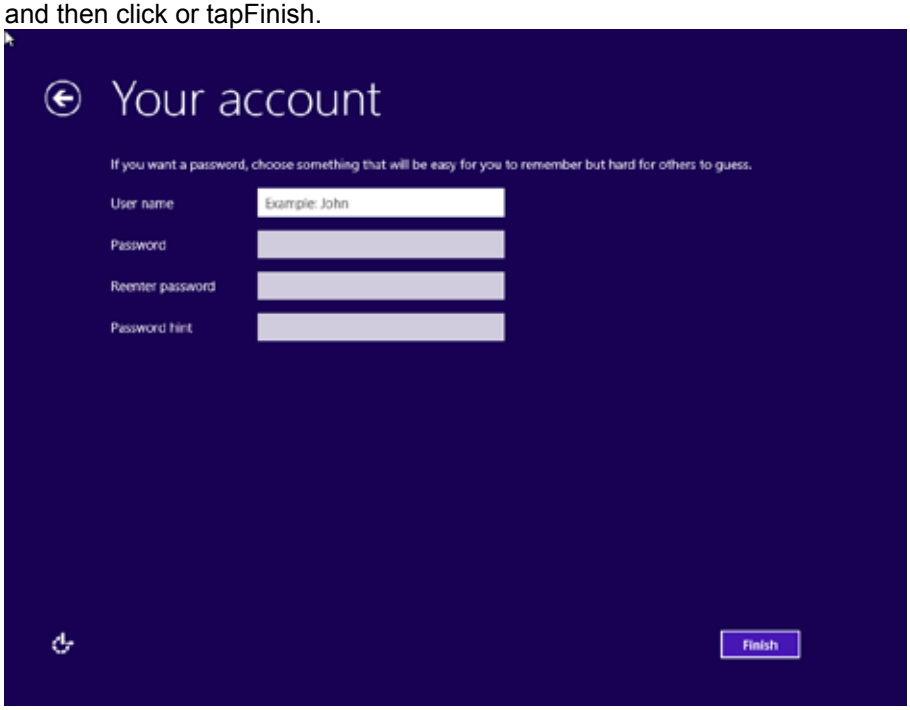


5. On theSettings pagescreen, choose Use express settings for the fastest setup.

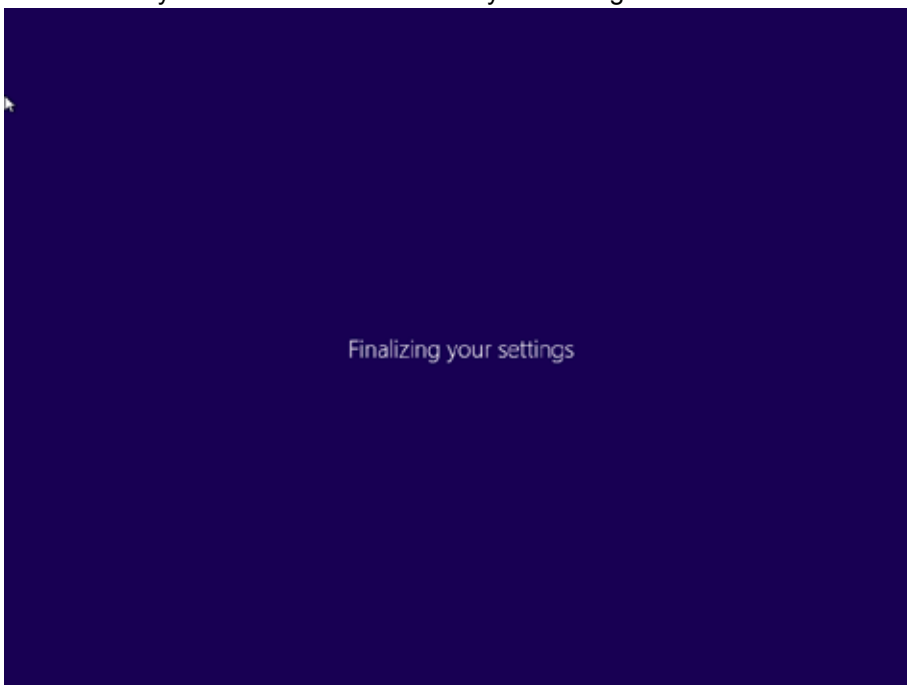
6. Windows will then try to connect to network. Ignore attempt to connect to internet as you do not need internet connection to finish setup your pc.



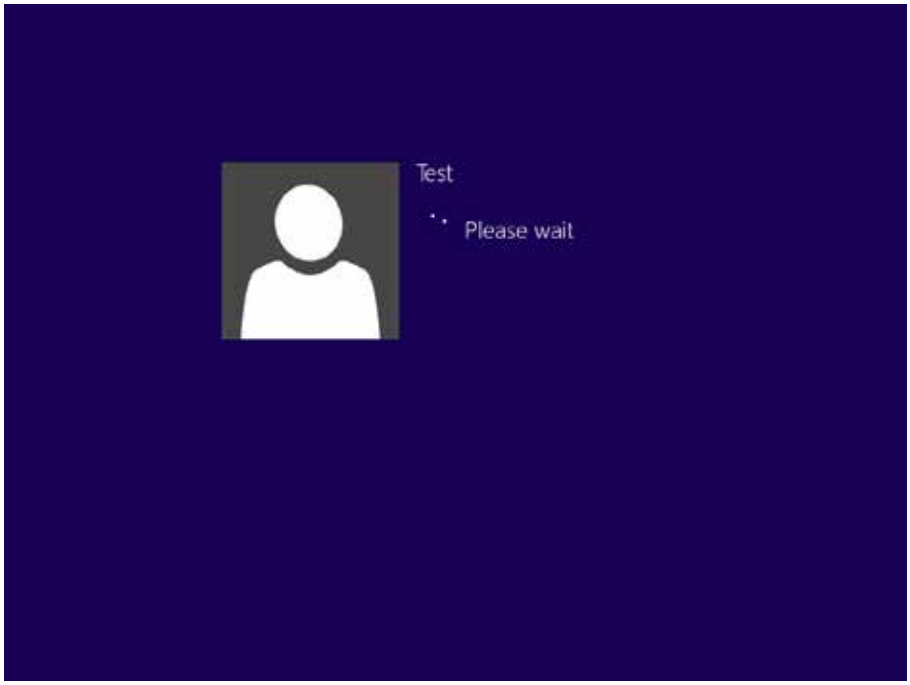
7. On Your account screen, type your username and password to create a local account, and then click or tapFinish.



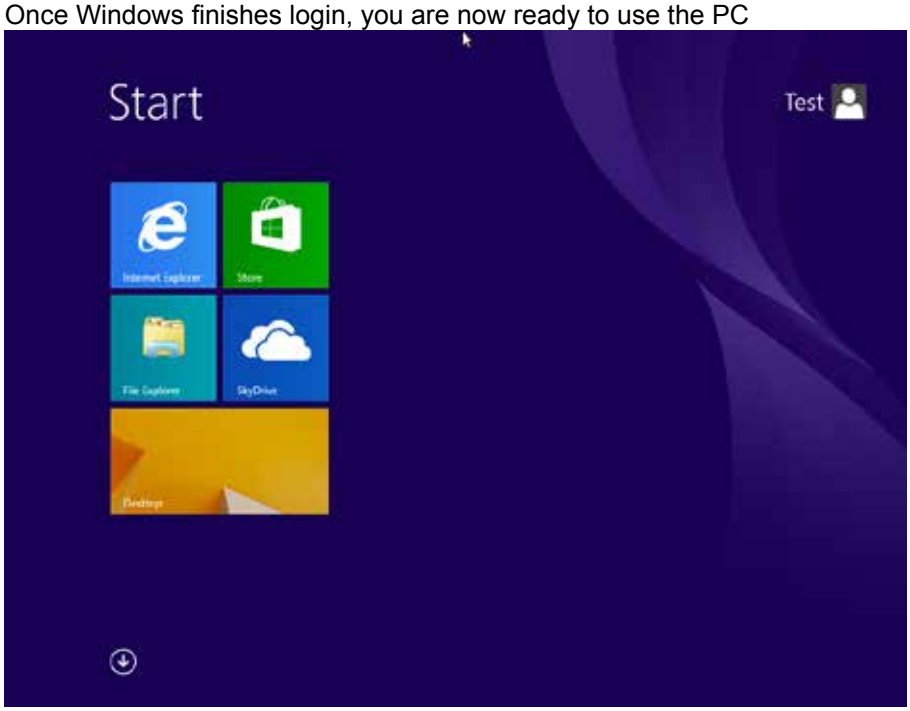
8. Windows may take some time to finalize your settings.



9. On theWindows Sign-inscreen, enter the user name and password that you set up earlier, and then pressEnter.



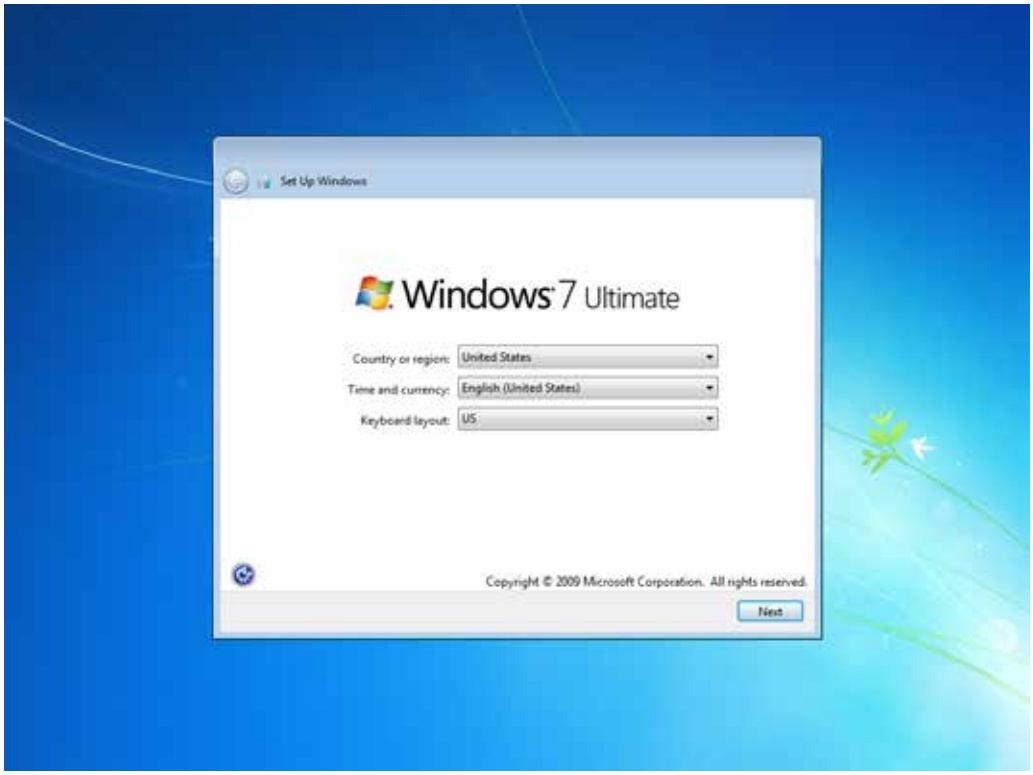
10. Once Windows finishes login, you are now ready to use the PC



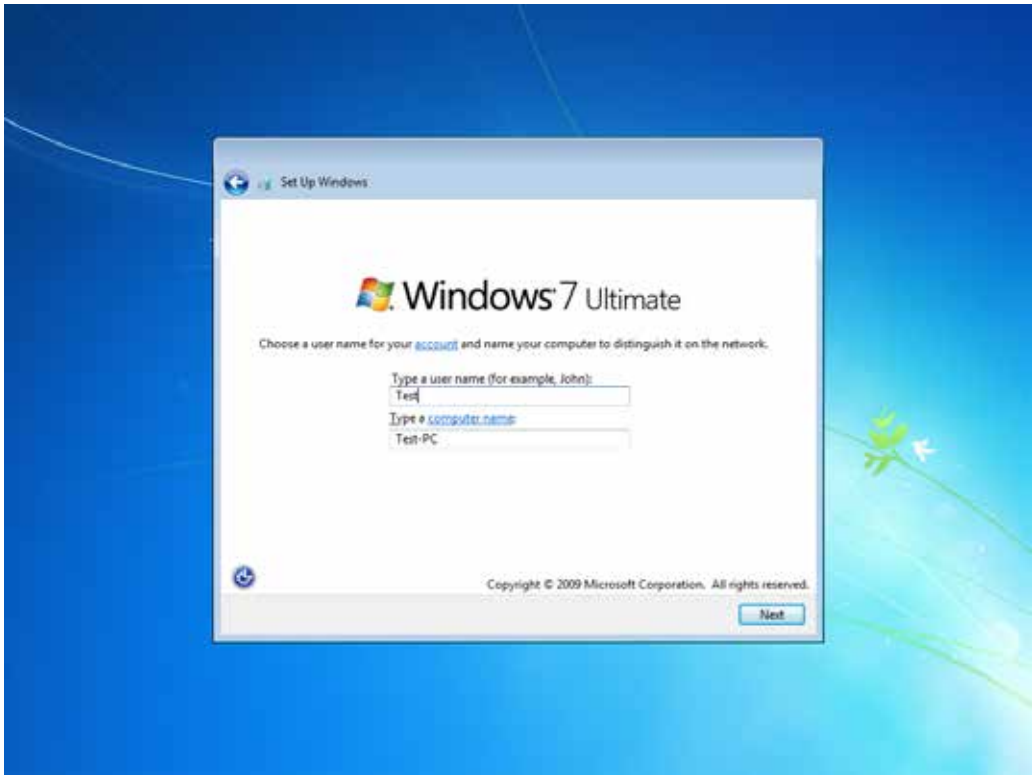
3.3 Setting up Windows 7 Ultimate/Professional

Follow the steps below to complete the setup process.

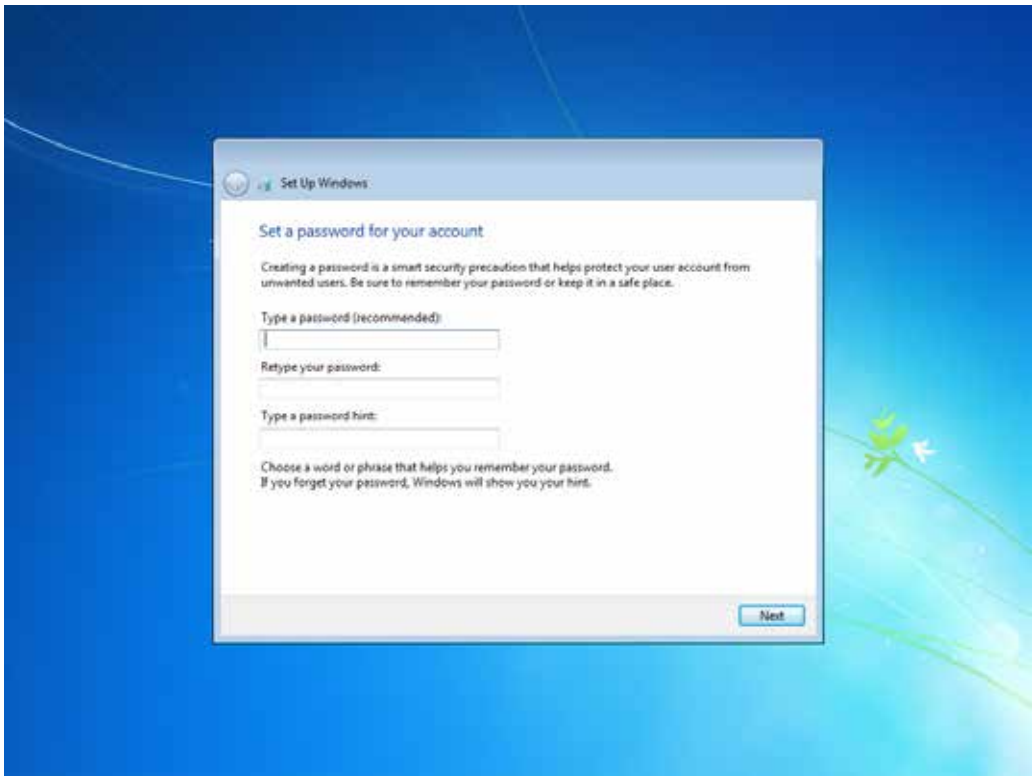
1. Press the power button to turn on the computer.
2. First select your region and language information, and then tap Next



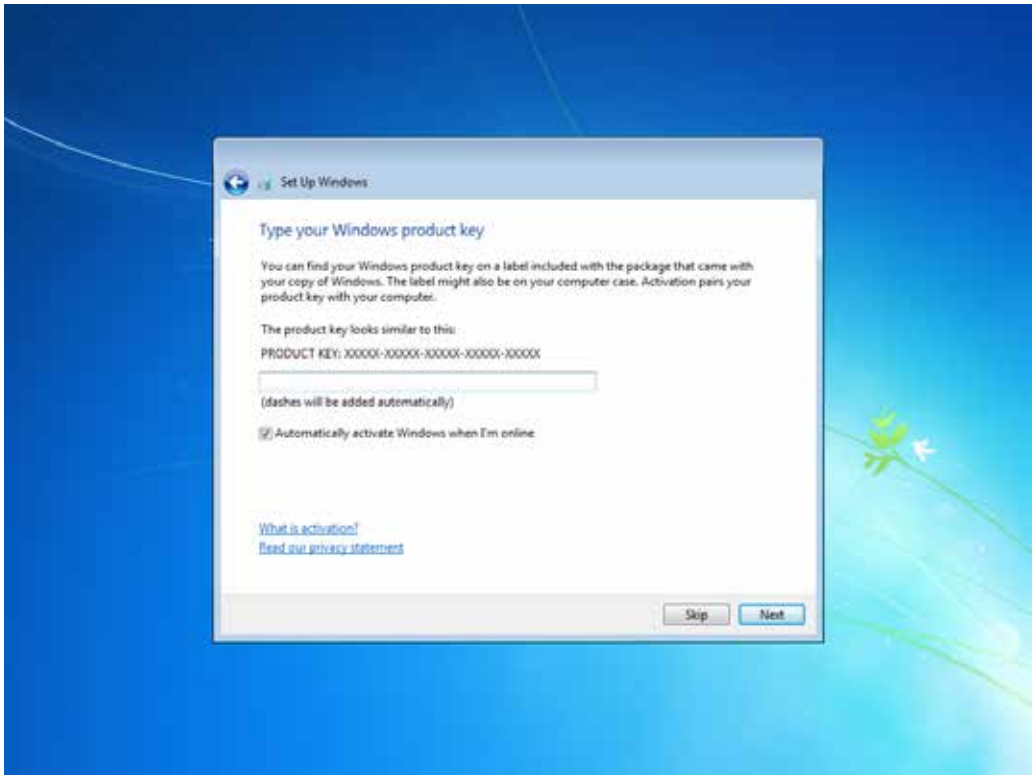
3. Type in a user name for your account to be used on this PC and tap Next



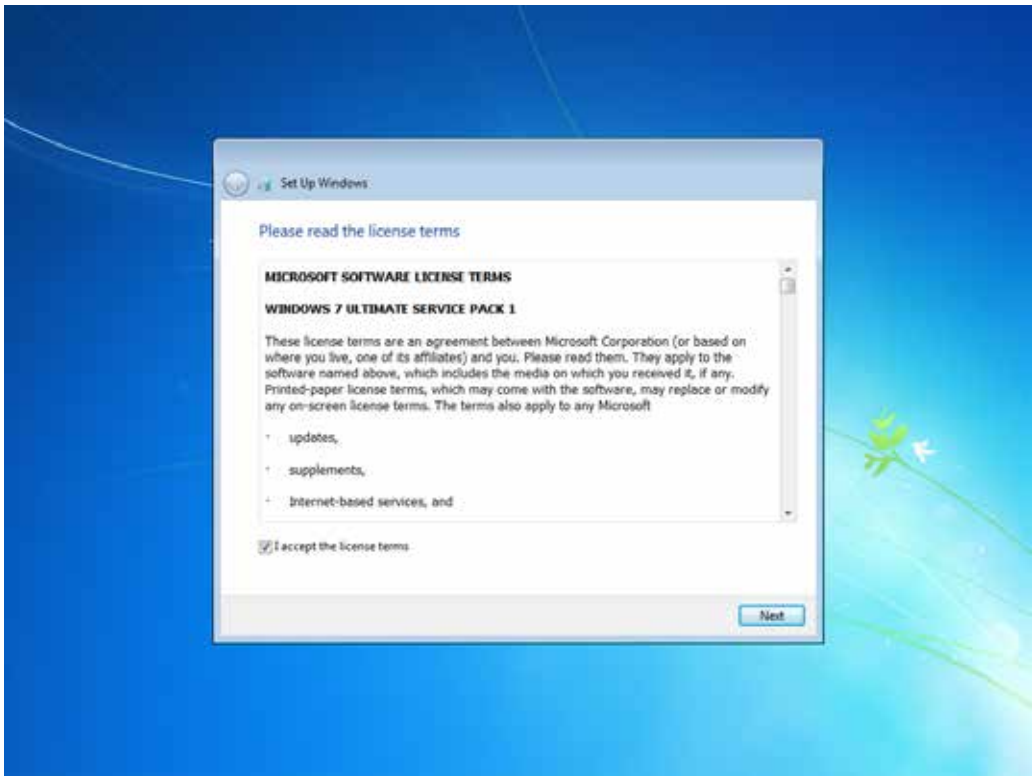
4. Type in a password for your account and tap Next



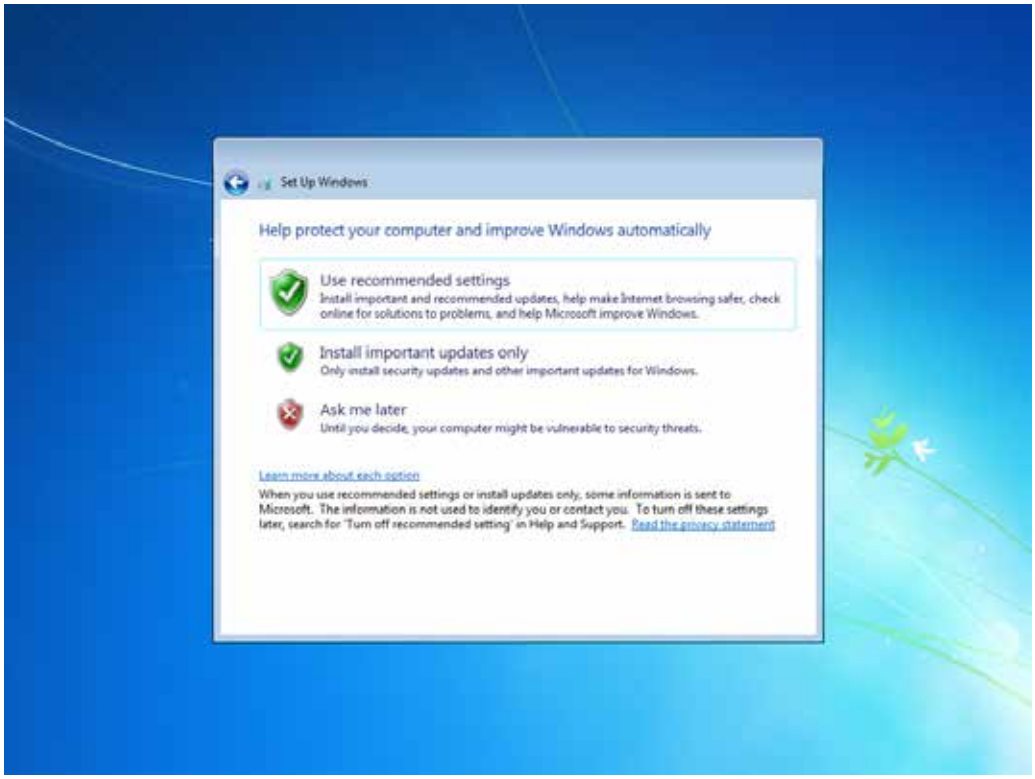
5. Now enter the product key that came with the computer and tap Next. For this version of the Windows, a product key entry is required when setting up the computer for the first time.



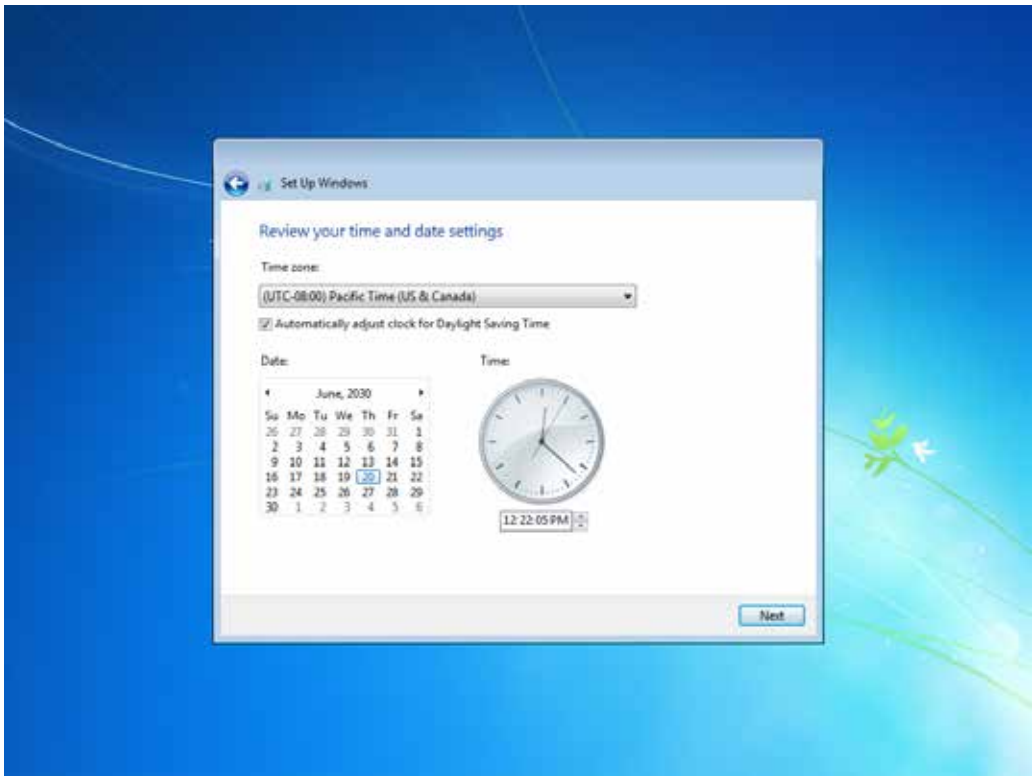
6. On the license terms screen, click on the I accept the license terms and tap Next



7. For the update option, choose Use recommended settings for Windows to install updates. If you do not wish Windows to do so, choose the other options accordingly.



8. Next, review the date and time settings on the computer



9. Select the computer current location for network privacy setting. Choose the location below to your actual usage accordingly.

10. Allow time for windows to setup your desktop for the first time.

11. Now the computer is ready to be used.

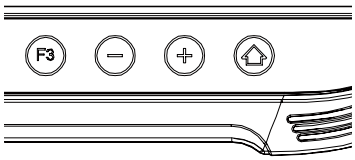
4 Using the Tablet

4.1 HotTab Introduction

HotTab provides quick access to the tablet's functions and features, such as turning on/off Wifi, Bluetooth, GPS, programming function key, and changing power management.

As Windows starts up, HotTab starts and runs in the background. To display the HotTab control utility, press the (Menu) Button located on the front panel, OR lau nching the HotTab Utility application.

(Menu) Button on the Front Panel:



HotTab Utility Icon:

HotTab is designed to be a quick access uility, therefore the main user interface will be on the right side of the screen without blocking the content on screen. There are 4 main menu options: Short cut, Camera, Device and Settings. Operations and functions on each menu options is explained in detail in the coming section.

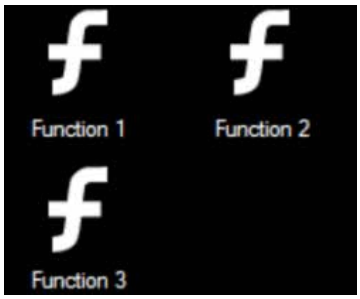
Shortcuts button allows users to configure short cut to quickly access programs with a few tabs.

Camera button allows users take a picture or record a video. User can also adjust setting related to camera in this menu option.

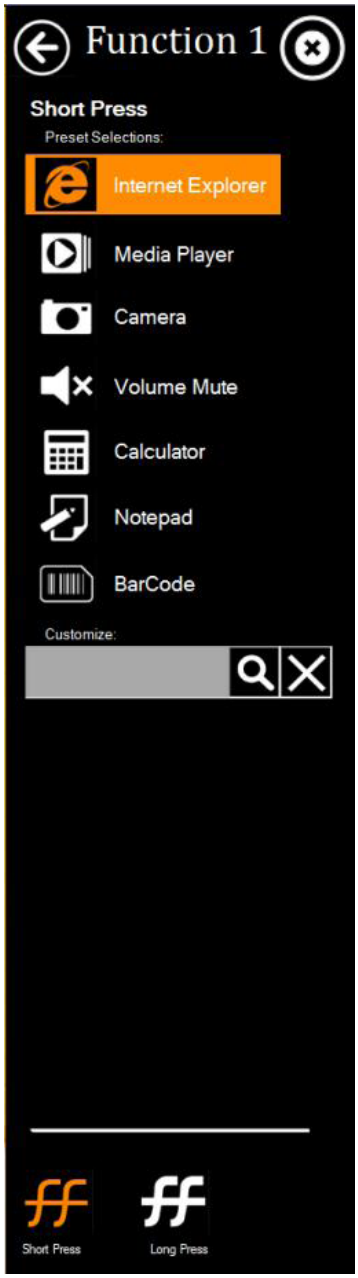
Device button enables/disables tablet computer's hardware functions. The configurable functions are Wi-Fi, WWAN(3G/4G/LTE), GPS, Bluetooth, Camera, LED indicators, Barcode Reader, RFID Reader, Expansion Port, and GPS Antenna routing options.

Setting button provides users information such as PC Information, Battery status, and also device settings such as power management setting, and function key mappings.

4.2 Using the physical function keys (Hotkeys)



The function key mapping menu option allows user to change the physical function buttons, F1, F2 and F3. Users can change what application will be launched with short press or long press of keys.



To configure function key mapping, perform the following:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Setting button.
3. Tap on function key icon for the corresponding key that you want to change.
4. At top of utility, it will say “Short Press” or “Long Press” to indicate what type of press is being configured
5. You can switch what type of press you want to configure by tapping on the “Short Press” or “Long Press” icon at the bottom of the utility window.
6. Pick from list of preset applications by tapping on the application icons OR customize which application to execute using the picker.

Using the Custom picker:

1. Tap the icon to reveal browser window
2. Navigate to the desired executable to map to function key
3. Tap on “Done” to save selection.

To map the function key to another application:

1. Tap on the icon to remove connection to the original application, and pick again tapping on icon.

Using the physical function keys:

1. While operating the tablet, click on the physical function keys to activate functions mapped via the setup in this section.

4.3 Changing the Touchscreen modes

The tablet's advanced capacitive touchscreen has 3 built-in operating modes, for users to choose under different usage scenarios:

Mode	Usage Scenario
Hand/Rain Mode	The Hand/Rain mode is the default operating mode of the touchscreen. Under this mode, the touchscreen is set to have the ability to reject false touch inputs while liquid is present on the touchscreen. Once the liquid is removed from the touchscreen, touch inputs from bare fingertips will continue to operate.
Stylus Mode	Under the Stylus mode, the touchscreen is set to have the ability to pick up touch inputs from the fine-tip passive capacitive stylus that is shipped with the tablet. Touch inputs from bare fingertips will also continue to operate.
Glove Mode	Under the Glove mode, the touchscreen is set to have the ability to pick up touch inputs while the user is operating the touchscreen with gloves on. Touch inputs from bare fingertips will also continue to operate.

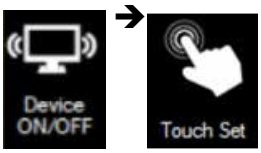
There are 2 ways to switch between the different touchscreen operating modes:

1. Via the built-in HotTab utility
2. Via the programmable function buttons

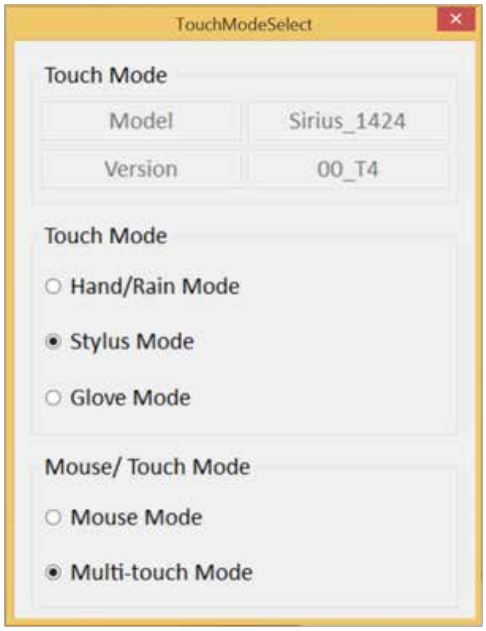
Switch touchscreen modes via the built-in HotTab utility:

To switch between the different touchscreen modes via the HotTab utility, perform the following procedure:

1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
2. Choose "**Device ON/OFF**"and then click on "**Touch Set**" icon

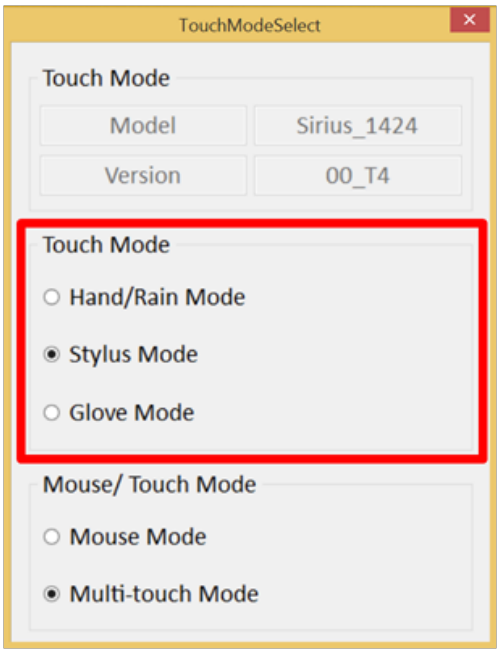


3. The Touch Mode Select utility will be shown as below:



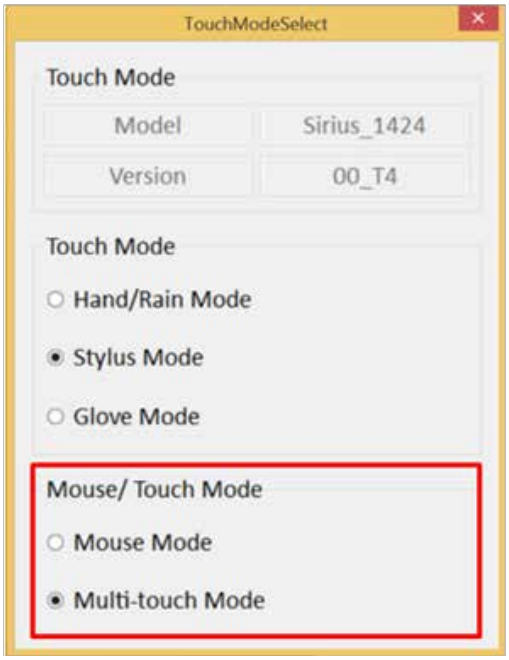
4. Under the “Touch Mode”, select the desired touch modes by tapping on the radio button

.



5. Now the touchscreen mode would behave as configured.

here's also additional Touch related setting to switch the touchscreen input between mouse mode with cursor, or with multi-touch mode:

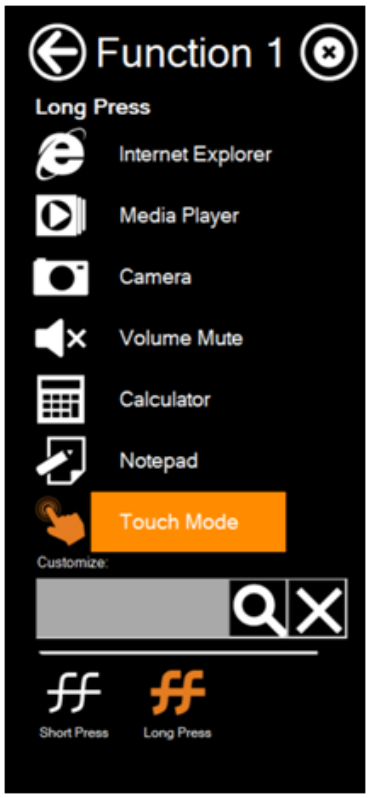


Item	Description
Mouse Mode	Single touch point supported, with mouse cursor shown.
Multi-touch Mode	The default setting of the touch screen supports multi-touch mode (up to 10 points).

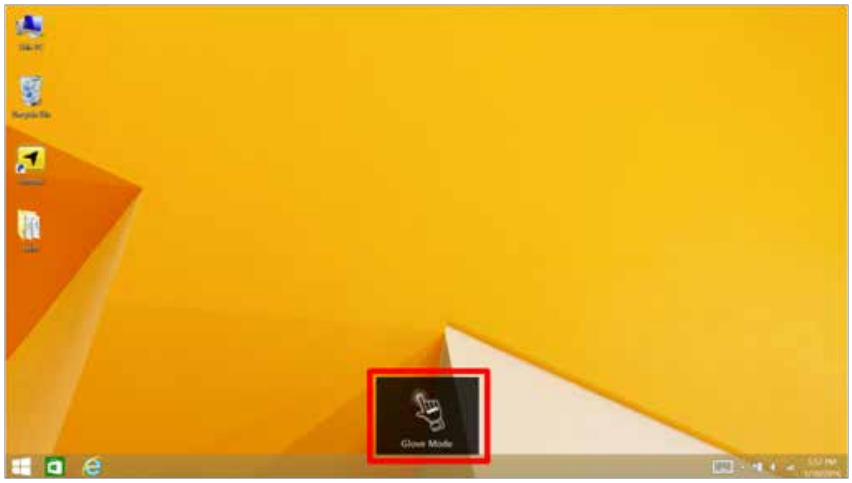
Switch touchscreen modes via the programmable function buttons:

To switch between the different touchscreen modes via the programmable function buttons, make sure the touchscreen mode switching is set to the programmable function buttons first.

1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
2. Tap on the **Setting** button.
3. Tap on **F1** icon.
4. Tap on the **Long Press** icon.
5. Change the Long Press function to "**Touch Mode**" as shown below:



Once the touchscreen mode switching is set to the programmable function button, **Long Press** on "**F1**" function button to cycle through the different touchscreen modes. When touchscreen mode is switched, an icon will temporarily overlay on the lower center of the screen to indicate current touchscreen mode:



4.4 Using the Wireless LAN (Wi-Fi) feature

To use the wireless LAN(Wi-Fi) feature to connect to the network, perform the following procedure:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the Wi-Fi icon:

Item	Status Color	Description
	Orange	Wi-Fi is enabled.
	White	Wi-Fi is disabled.

4. If the Wi-Fi feature is disabled (white), tap on the Wi-Fi icon to enable it (orange).
5. Click the wireless network connection status icon in the Windows notification area. A list of available wireless networks is displayed.
6. Double-click a network to connect to it. Provide required authentication information if needed.
7. To check the connection status, observe wireless network connection status icon in the Windows notification area. The more bars the icon shows, the better the wireless LAN connection strength is.
8. Now wireless LAN connection is setup, try connection to the network with a internet browser such as Internet Explorer.

4.5 Using the Wireless WAN feature

For tablets equipped with wireless WAN (3G or 4G/LTE) card, to use the wireless WAN feature to connect to the network, perform the following procedure:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the WWAN icon:

Item	Status Color	Description
	Orange	WWAN (3G/4G) is enabled.
	White	WWAN (3G/4G) is disabled.

4. If the WWAN feature is disabled (white), tap on the WWAN icon to enable it (orange).
5. You can check the wireless WAN connection status through the wireless network connection status icon in the Windows notification area. The more bars encompassed, the better the signal is.

Note

- For the Windows 7 operating system, you also can check the Access Connections gauge, the Access Connections status icon, or the Access Connections wireless status icon in the Windows notification area.

4.6 Using the GPS feature

To enable the wireless GPS feature, perform the following procedure:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. 2. Tap on the Device button.
3. 3. Check the status color of the GPS icon:

Item	Status Color	Description
	Orange	GPS is enabled.
	White	GPS is disabled.

4. 4. If the GPS feature is disabled (white), tap on the GPS icon to enable it (orange).
5. 5. Now the GPS feature is ready to be used with an application utilizing the GPS.

4.7 Using the Bluetooth feature

To enable the wireless Bluetooth feature, perform the following procedure:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the Bluetooth icon:

Item	Status Color	Description
	Orange	Bluetooth is enabled.
	White	Bluetooth is disabled.

5. If the Bluetooth feature is disabled (white), tap on the Bluetooth icon to enable it (orange).
6. Click the Bluetooth icon in the Windows notification area. A contextual menu for Bluetooth is displayed.
7. To add a device, tap on Add a Bluetooth Device. Windows will search any Bluetooth device automatically
8. Choose the Bluetooth device that user wants to connect and follow onscreen prompt to continue the pair procedure and use the Bluetooth device.

4.8 Turn on/off the LED Indicators

The LED Indicators for Power Status, Battery Status, and RF Communication can be turned on/off from Hottab menu. Toenable/disable the LED indicators, perform the following procedure:

1. Open the Hottab utility by press the (Menu) Button located on the front panel, OR launching the Hottab Utility application.
2. Tap on the Device ON/OFF button.
3. Check the status color of the Indicator icon:

Item	Status Color	Description
	Orange	LED indicator is enabled.
	White	LED indicator is disabled.

4. If the indicator is disabled (white), tap on the Indicator icon to enable it (orange).

4.9 Using the Front and Rear Camera feature

This HotTab menu option allows users take a picture or record a video. Before use, make sure the Camera is turned on under Devices menu option following the following procedure:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the Camera icon:

Item	Status Color	Description
	Orange	Camera is enabled.
	White	Camera is disabled.

4. If the Camera feature is disabled (white), tap on the Camera icon to enable it (orange).
5. Go back to the HotTab main menu by pressing the (Menu) Button located on the front panel OR click on the back arrow on top.
6. Tap on the Cameraicon to go into the Camera menu. The Camera user interface will take up the entire screen as shown below:

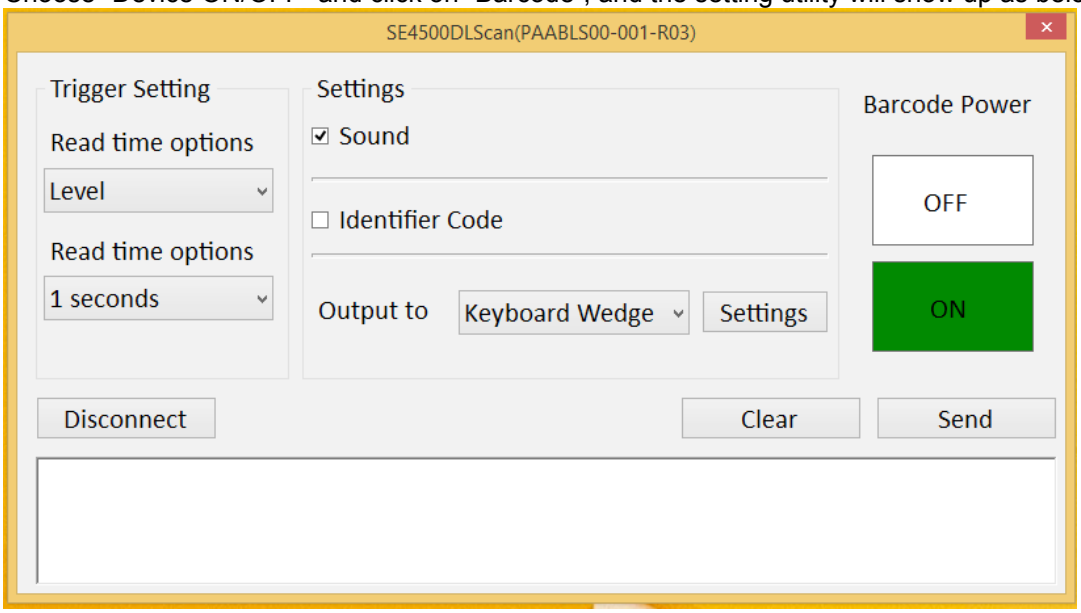
4.9.1 Description of Camera User Interface Buttons:

No	Item		Description
1	**Camera Switch**		Switch between front camera or rear camera.
2	**Settings**		Brings up Camera settings page. Available Settings: **Picture Save:** modify/inspect saved location for pictures. **Video Save Folder:** modify/inspect saved location for video ecordings. **Picture Quality:** Picture compression quality.
3	**Flash Control**		Disables LED Flash when taking picture.
			LED flash fires regardless of condition when taking pictures.
			LED Flash fires automatically in low light condition when taking pictures.
4	**Resolution**		Pictures will be saved at resolution of **640 x 480.**
			Pictures will be saved at resolution of **1024 x 768.**
			Pictures will be saved at resolution of **1600 x 1200.**
			Pictures will be saved at resolution of **2592 x 1944.**
5	**Exit**		Exits the Camera and hide HotTab Utility.
6	**Picture/Video Mode Switch**		Switches between picture taking or video recording.
7	**Shutter/Record** (automatically switch base on mode)		Camera Shutter Button. Tap to take picture.
			Video Record Button. Tap to Start, and press again to stop recording.
8	Open Saved Location		Opens the location where pictures and videos are saved in a window.

4.10 Using the Barcode Reader Feature

To enable the Barcode Reader feature, perform the following procedure:

1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
2. Choose “Device ON/OFF” and click on “Barcode”, and the setting utility will show up as below:

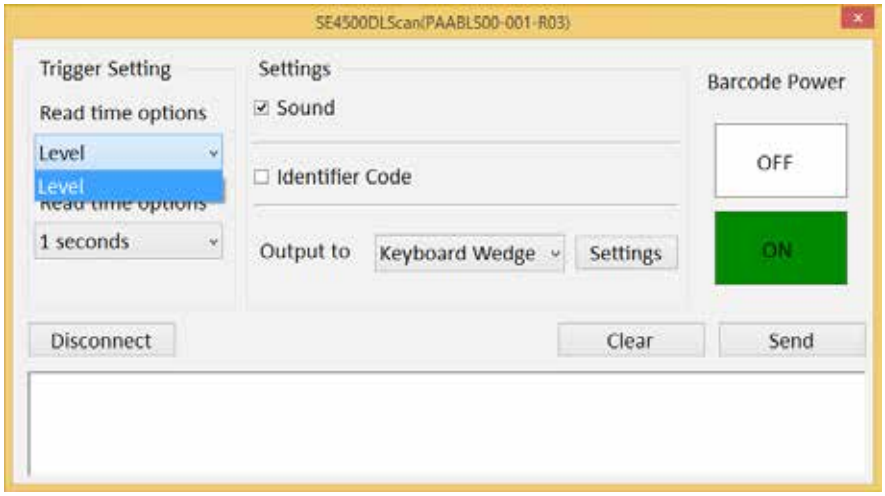
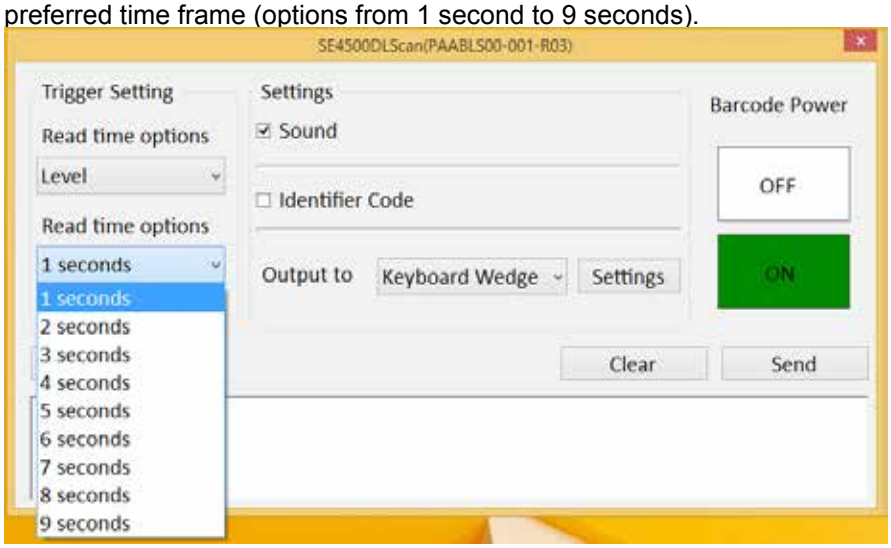


3. Tap on the ON button.
4. Check the status color of the ON button is green, and the status color of the Barcode icon on the HotTab menu is orange at the same time.

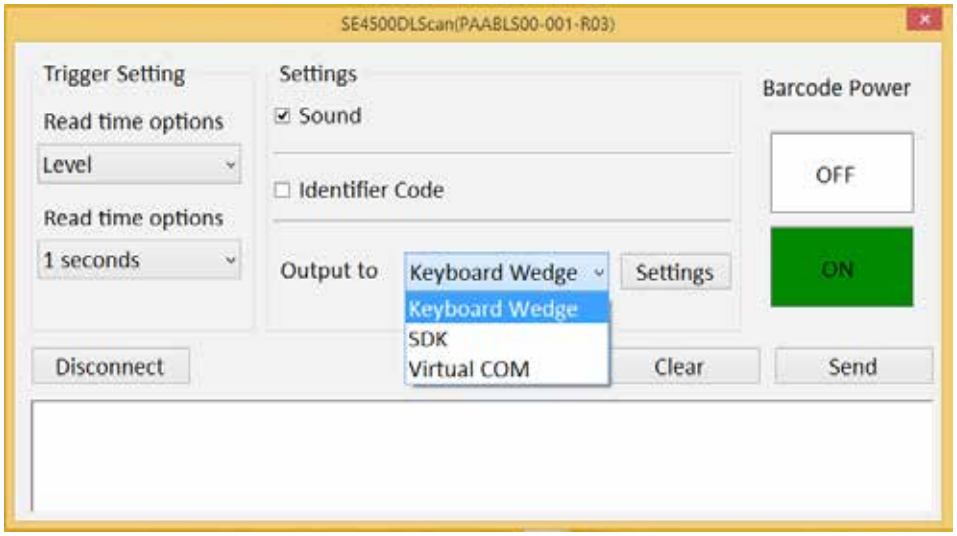
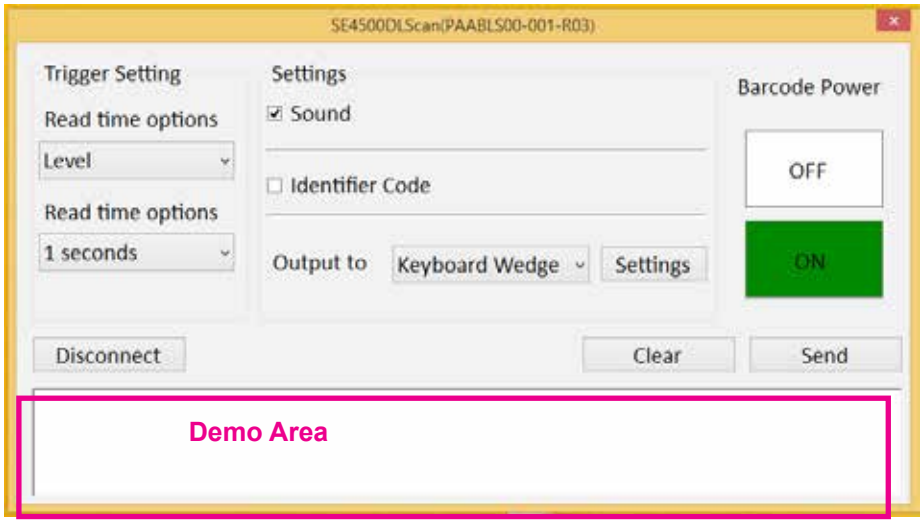
Item	Status Color	Description
	Orange	Barcode Reader is enabled. Reading will need to be triggered manually thru Fn button.
	White	Barcode Reader is disabled.

5. Open the application where barcode reader will be displaying the scanned barcode.
6. Trigger the barcode reader by pressing Fn2 function key. (User Programmable)

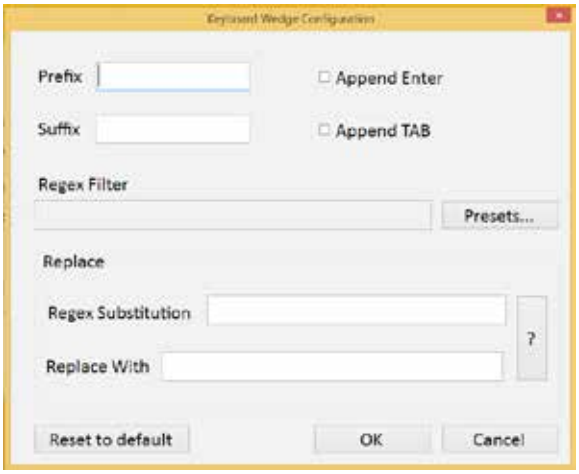
4.10.1 Trigger Setting

Item	Description
Trigger mode options	User can define the barcode scanner trigger mode from Trigger mode options drop-down menu shown as below.  **Level** Under Level mode, the barcode scanner follows trigger button behavior. The scanning light will be on when the Fn2 button is triggered, and off when the barcode is successfully read or the Fn2 button is released. To set up the scanning time, tap on the Read time options drop-down menu and choose a preferred time frame (options from 1 second to 9 seconds). 

4.10.2 Settings

Item	Description
Sound	The Sound check box defines whether a beep sound will come with the data scanning.
Identifier Code	The Identifier Code check box defines whether to filter Application Identifiers from the scanned data. Some barcode types, such as EAN-128, use Application Identifiers to include additional data. User can disable Identifier Code check box to ignore specific characters.
Output to	This setting defines the output type of the scanned data. Here are the options available:  **Keyboard Wedge** Under this setting, the data scanned is sent like keyboard data. The scanned data can be output directly to the demo area below this window, or user can also open other utility, such as Office Word or Notepad files, for data input.  Warning: Please notice that the input method should support the scanned character.

User can also tap on the Settings button for further details settings.



Item	Description
Prefix	User can type in this field to define the characters BEFORE the data scanned.
Suffix	User can type in this field to define the characters AFTER the data scanned.
Append Enter	The check box user can defines to append an “Enter” which is followed by the characters.
Append TAB	The check box user can defines to append an “TAB” which is followed by the characters.
Regex Filter	Press on “Presets…” button, user can define how many characters to show after the data scanned.
Replace	User can define specific characters to be replaced with preferred characters automatically. When the characters defined in Regex Substitution is scanned, the data will be replaced with the one filled in Replace with.
Reset to default	User can remove all the set up and back to default mode.

SDK

For users following SDK for software porting, the scanned data can also be output with the format needed.

Virtual COM

User can also choose Virtual COM to transfer scanned data to the defined COM port.

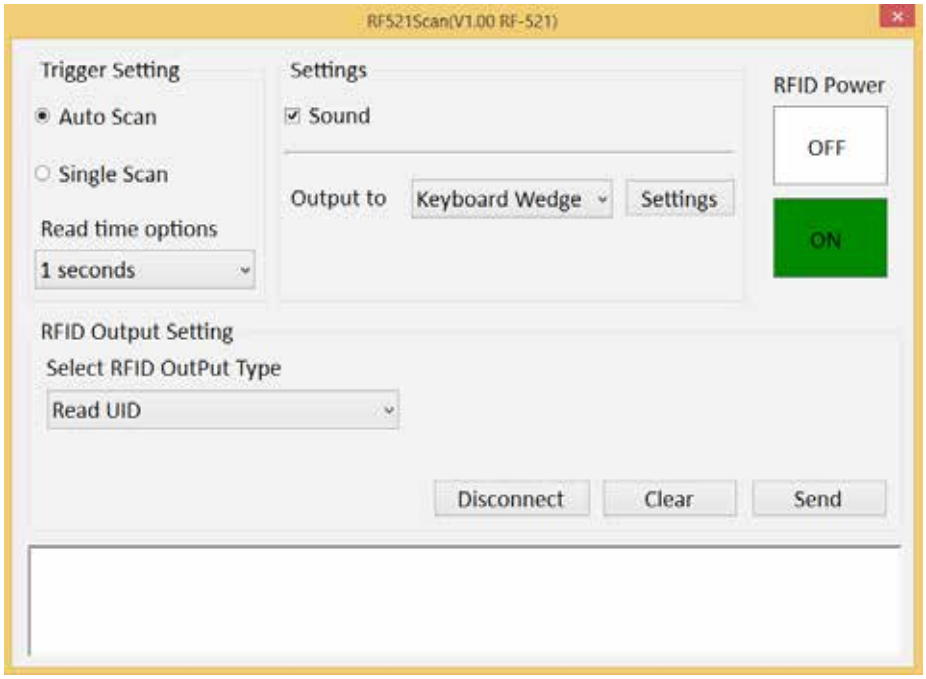
Disconnect	User can tap on the Disconnect button to stop the connection with Barcode. To recover the connection, please turn off the module from setting UI and then turn on the module again. Before user uses other software, should press Disconnect button, or there will be connection issue.

4.11 Using the HF RFID Reader feature

Caution	The HF RFID Reader is optional for Tablet PC and is not re-workable by the end user. To use this feature, please make sure the tablet PC is built-in HF RFID reader before use, or contact our sales contact window for more details.

To enable the HF RFID Reader feature, perform the following procedure:

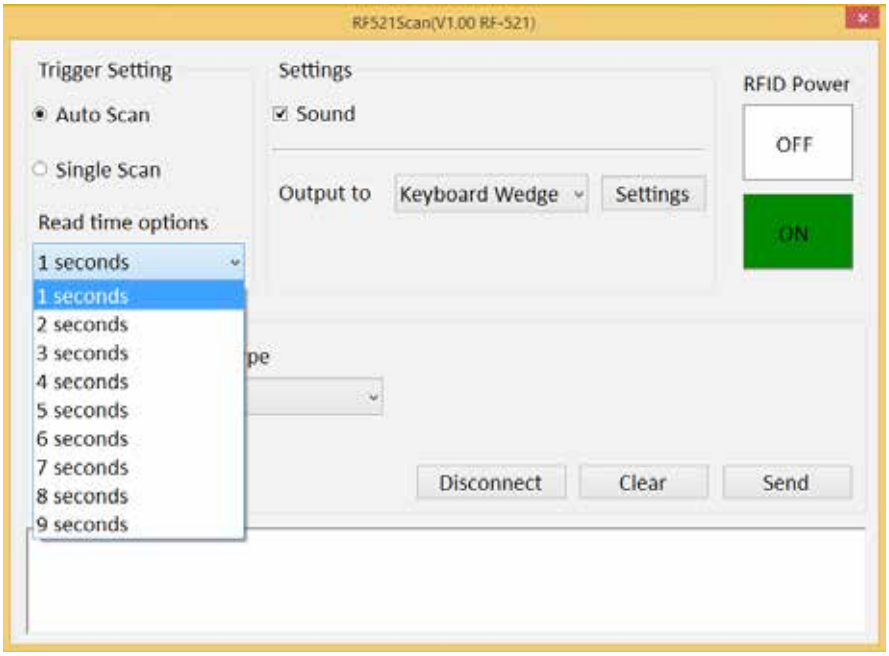
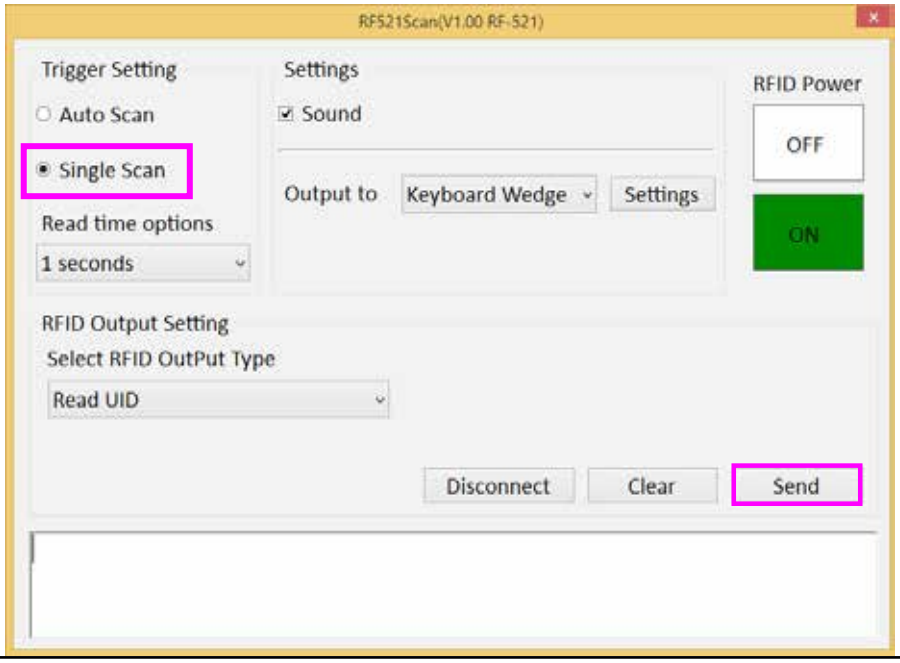
1. Open the Hottab utility by press the (Menu) Button located on the front panel, OR launching the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Tap on **RFID**, and the setting utility will show up as below:



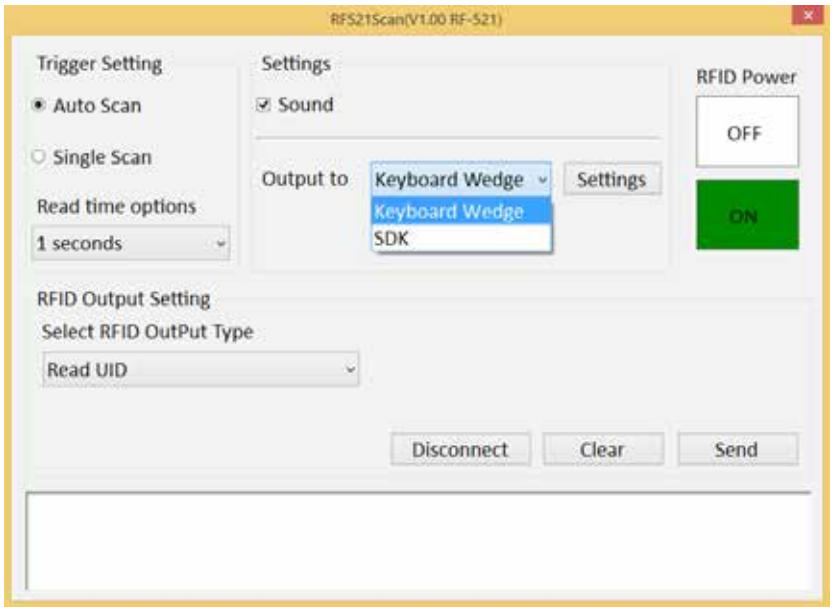
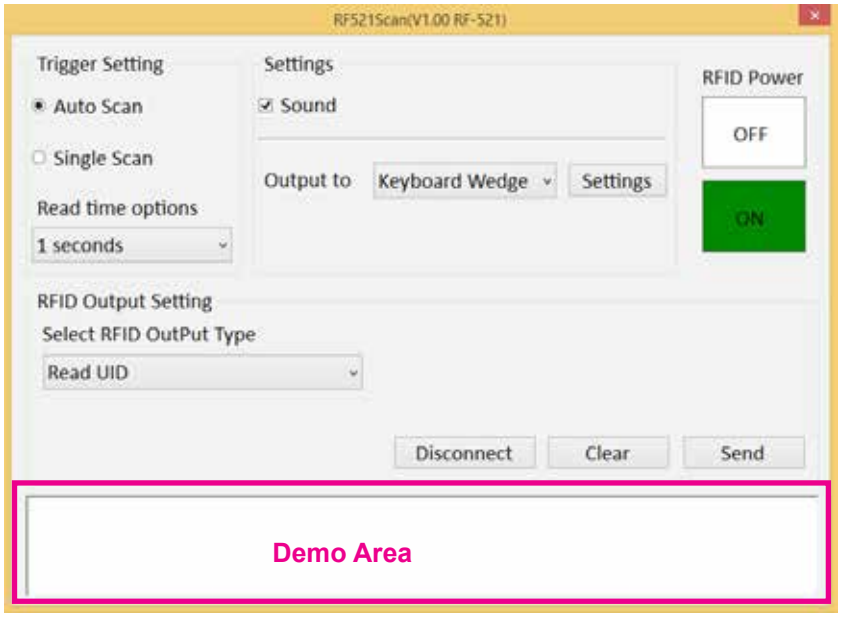
4. Tap on the **ON** button.
5. Check the status color of the ON icon is green, and the status color of the RFID icon on the Hottab menu is orange at the same time.

Item	Status Color	Description
	Orange	HF RFID Reader is enabled.
	White	HF RFID Reader is disabled.

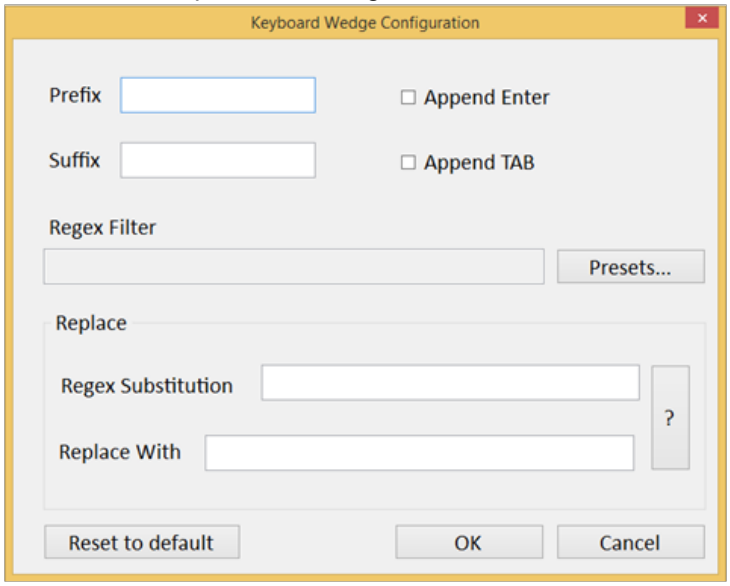
4.11.1 Trigger Setting

Item	Description
Auto Scan	The default setting for RFID trigger is Auto Scan. Under this setting, the RFID Reader will always be ready to scan tags. 1. When the RFID tag is detected from RFID antenna, the data will be read automatically. 2. User can define the RFID scanning frequency from the drop-down menu shown as below. The frequency can be from 1 second to 9 seconds. 
Single Scan	User can also define the RFID Reader scanning as **Single Scan**. Under this setting, the RFID Reader will be triggered only when user click on “Send”. 

4.11.2 Settings

Item	Description
Sound	The Sound check box defines whether a beep sound will come with the data scanning.
Output to	This setting defines the output type of the scanned data. Two options are available:  **Keyboard Wedge** Under this setting, the data scanned is sent like keyboard data. The scanned data can be output directly to the demo area below this window, or user can also open other utility, such as Office Word or Notepad files, for data input.  Warning: Please notice that the input method should support the scanned character.

User can also tap on the Settings button for further details settings.



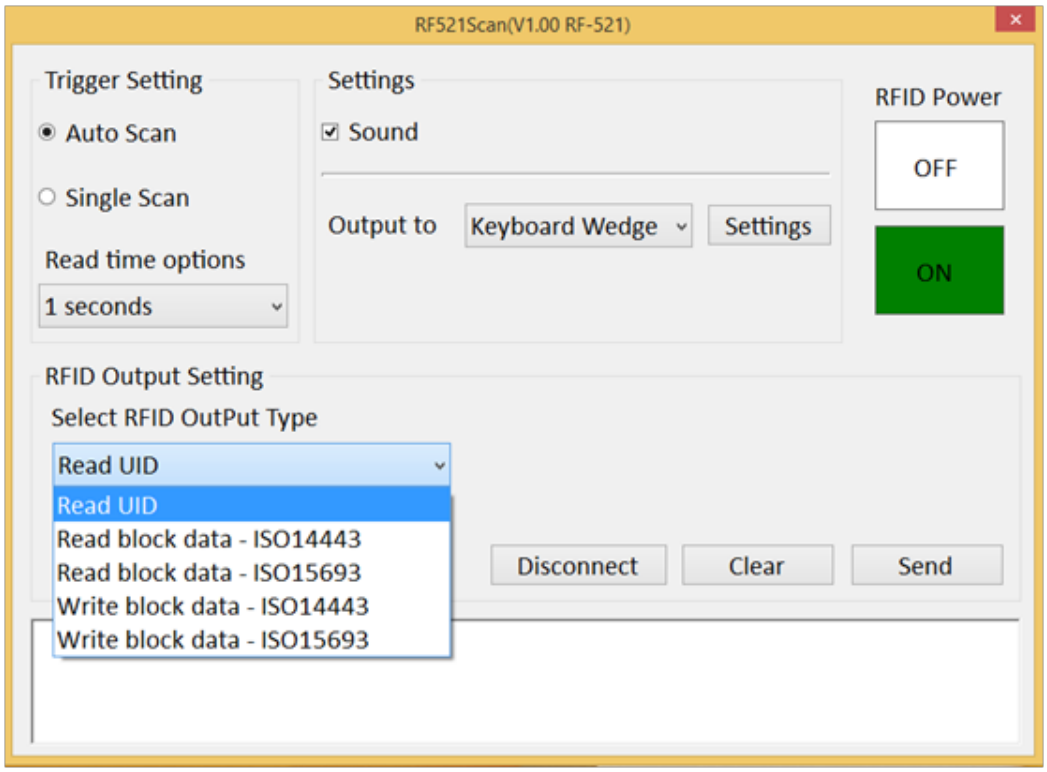
Item	Description
Prefix	User can type in this field to define the characters BEFORE the data scanned.
Suffix	User can type in this field to define the characters AFTER the data scanned.
Append Enter	The check box user can defines to append an “Enter” which is followed by the characters.
Append TAB	The check box user can defines to append an“TAB” which is followed by the characters.
Regex Filter	Press on “Presets…” button, user can define how many characters to show after the data scanned.

Replace	User can define specific characters to be replaced with preferred characters automatically. When the characters defined in Regex Substitutionis scanned, the data will be replaced with the one filled in Replace with.
Reset to default	User can remove all the set up and back to default mode.

SDK

For users following SDK for software porting, the scanned data can also be output with the format needed.

4.11.3 RFID Output Setting

Item	Description
Select RFID Output Type	The default setting for built-in HF RFID Reader is to Read UID. For some applications, user might need to read or write further block data; the drop-down menu under this section can do this change. 
Disconnect	User can tap on the Disconnect button to stop the connection with built-in HF RFID reader. To recover the connection, please turn off the module from setting UI and then turn on the module again.

4.12 Turn on/off the GPS Ext. Antenna

Caution	The vehicle dock of Tablet PC supports external GPS antenna through standard SMA connector. To work with external GPS antenna, pleasemake sure the tablet PC is well installed tovehicle dock, and the vehicle dock has connected with external GPS antenna.

When working with vehicle dock connecting to external antenna, user can switch GPS antenna from the internal one to the external one from Hottab menu. To enable/disable the GPS Ext. Antenna, perform the following procedure:

1. Open the Hottab utility by press the (Menu) Button located on the front panel, OR launching the Hottab Utility application.
2. Tap on the Device ON/OFF button.
3. Check the status color of the GPS Ext. Antenna icon:

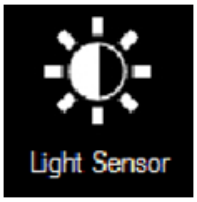
Item	Status Color	Description
	Orange	GPS Ext. Antenna is enabled, and using external antennaif available
	White	GPS Ext. Antenna is disabled, and using built-in antenna

4. If the GPS Ext. Antenna is disabled (white), tap on the GPS Ext. Antenna icon to enable it (orange).

4.13 Turn on/off Light Sensor

The Light Sensor can be turned on/off from Hottab menu. To enable/disable the Light Sensor, perform the following procedure:

1. Open the Hottab utility by press the (Menu) Button located on the front panel, OR launching the Hottab Utility application.
2. Tap on the Device ON/OFF button.
3. Check the status color of the Light Sensor icon:

Item	Status Color	Description
	Orange	Light Sensor is enabled.
	White	Light Sensor is disabled.

4.14 Setting the 2D Barcode Scanner Symbologies

The barcode scanner is shipped with default settings shown below. If the default setting suits the usage requirement, setting symbologies is not necessary.

4.14.1 Symbologies Default Settings:

Parameter	Parameter Number	Default
UPC/EAN		
UPC-A	01h	Enable
UPC-E	02h	Enable
UPC-E1	0Ch	Disable
EAN-8/JAN 8	04h	Enable
EAN-13/JAN 13	03h	Enable
Bookland EAN	53h	Enable
Bookland ISBN Format	F1h 40h	ISBN-10
Decode UPC/EAN/JAN Supplementals (2 and 5 digits)	10h	Ignore
User-Programmable Supplementals Supplemental 1: Supplemental 2:	F1h 43h F1h 44h	N/A
UPC/EAN/JAN Supplemental Redundancy	50h	10
Decode UPC/EAN/JAN Supplemental AIM ID	F1h A0h	Combined
Transmit UPC-A Check Digit	28h	Enable
Transmit UPC-E Check Digit	29h	Enable
Transmit UPC-E1 Check Digit	2Ah	Enable
UPC-A Preamble	22h	System Character
UPC-E Preamble	23h	System Character
UPC-E1 Preamble	24h	System Character
Convert UPC-E to A	25h	Disable
Convert UPC-E1 to A	26h	Disable
EAN-8/JAN-8 Extend	27h	Disable
UCC Coupon Extended Code	55h	Disable
Coupon Report	F1h DAh	New Coupon Symbols
ISSN EAN	F1h 69h	Disable
Code 128		
Code 128	08h	Enable
Set Length(s) for Code 128	D1h, D2h	Any Length
GS1-128 (formerly UCC/EAN-128)	0Eh	Enable
ISBT 128	54h	Enable
ISBT Concatenation	F1h 41h	Disable
Check ISBT Table	F1h 42h	Enable
ISBT Concatenation Redundancy	DFh	10
Code 39		
Code 39	00h	Enable

Trioptic Code 39	0Dh	Disable
Convert Code 39 to Code 32 (Italian Pharmacy Code)	56h	Disable
Code 32 Prefix	E7h	Disable
Set Length(s) for Code 39	12h, 13h	Length Within Range: 2 to 55
Code 39 Check Digit Verification	30h	Disable
Transmit Code 39 Check Digit	2Bh	Disable
Code 39 Full ASCII Conversion	11h	Disable
Buffer Code 39	71h	Disable
Code 93		
Code 93	09h	Disable
Set Length(s) for Code 93	1Ah, 1Bh	Length Within Range: 4 to 55
Code 11		
Code 11	0Ah	Disable
Set Lengths for Code 11	1Ch, 1Dh	Length Within Range: 4 to 55
Code 11 Check Digit Verification	34h	Disable
Transmit Code 11 Check Digit(s)	2Fh	Disable
Interleaved 2 of 5 (ITF)		
Interleaved 2 of 5 (ITF)	06h	Disable
Set Lengths for I 2 of 5	16h, 17h	1 Length; Length = 14
I 2 of 5 Check Digit Verification	31h	Disable
Transmit I 2 of 5 Check Digit	2Ch	Disable
Convert I 2 of 5 to EAN 13	52h	Disable
Discrete 2 of 5 (DTF)		
Discrete 2 of 5	05h	Disable
Set Length(s) for D 2 of 5	14h, 15h	1 Length; Length = 12
Codabar (NW - 7)		
Codabar	07h	Disable
Set Lengths for Codabar	18h, 19h	Length Within Range: 5 to 55
CLSI Editing	36h	Disable
NOTIS Editing	37h	Disable
Codabar Upper or Lower Case Start/Stop Characters Detection	F2h 57h	Upper Case
MSI		
MSI	0Bh	Disable
Set Length(s) for MSI	1Eh, 1Fh	Length Within Range: 4 to 55
MSI Check Digits	32h	One
Transmit MSI Check Digit	2Eh	Disable
MSI Check Digit Algorithm	33h	Mod 10/Mod 10

Chinese 2 of 5		
Chinese 2 of 5	F0h 98h	Disable
Matrix 2 of 5		
Matrix 2 of 5	F1h 6Ah	Disable
Matrix 2 of 5 Lengths	F1h 6Bh F1h 6Ch	Length; Length = 14
Matrix 2 of 5 Check Digit	F1h 6Eh	Disable
Transmit Matrix 2 of 5 Check Digit	F1h 6Fh	Disable
Korean 3 of 5		
Korean 3 of 5	F1h 45h	Disable
Inverse 1D	F1h 4Ah	Regular
Postal Codes		
US Postnet	59h	Disable
US Planet	5Ah	Disable
Transmit US Postal Check Digit	5Fh	Enable
UK Postal	5Bh	Disable
Transmit UK Postal Check Digit	60h	Enable
Japan Postal	F0h 22h	Disable
Australia Post	F0h 23h	Disable
Australia Post Format	F1h CEh	Autodiscriminate
Netherlands KIX Code	F0h 46h	Disable
USPS 4CB/One Code/Intelligent Mail	F1h 50h	Disable
UPU FICS Postal	F1h 63h	Disable
GS1 DataBar		
GS1 DataBar (GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional)	F0h 52h	Enable
GS1 DataBar Limited	F0h 53h	Disable
GS1 DataBar Limited Security Level	F1h D8h	3
GS1 DataBar Expanded (GS1 DataBar Expanded, GS1 DataBar Expanded Stacked)	F0h 54h	Enable
Convert GS1 DataBar to UPC/EAN	F0h 8Dh	Disable
Composite		
Composite CC-C	F0h 55h	Disable
Composite CC-A/B	F0h 56h	Disable
Composite TLC-39	F0h 73h	Disable
UPC Composite Mode	F0h 58h	UPC Always Linked
Composite Beep Mode	F0h 8Eh	Beep As Each Code Type is Decoded
GS1-128 Emulation Mode for UCC/EAN Composite Codes	F0h ABh	Disable
2D Symbologies		
PDF417	0Fh	Enable
MicroPDF417	E3h	Disable
Code 128 Emulation	7Bh	Disable
Data Matrix	F0h 24h	Enable

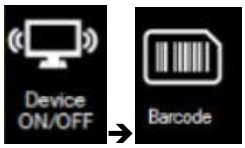
Data Matrix Inverse	F1h 4Ch	Regular
Decode Mirror Images (Data Matrix Only)	F1h 19h	Auto
Maxicode	F0h 26h	Disable
QR Code	F0h 25h	Enable
QR Inverse	F1h 4Bh	Regular
MicroQR	F1h 3Dh	Enable
Aztec	F1h 3Eh	Enable
Aztec Inverse	F1h 4Dh	Inverse Autodetect
Symbology-Specific Security Levels		
Redundancy Level	4Eh	1
Security Level (UPC/EAN and Code 93)	4Dh	1
Intercharacter Gap Size	F0h 7Dh	Normal
Macro PDF		
Macro PDF Transmit/Decode Mode Symbols	BCh	Passthrough Mode
Transmit Macro PDF Control Header	B8h	Disable
Escape Characters	E9h	None
Flush Macro PDF Buffer		
Abort Macro PDF Entry		

4.15 Using the MotoSetting Application to set the Symbologies

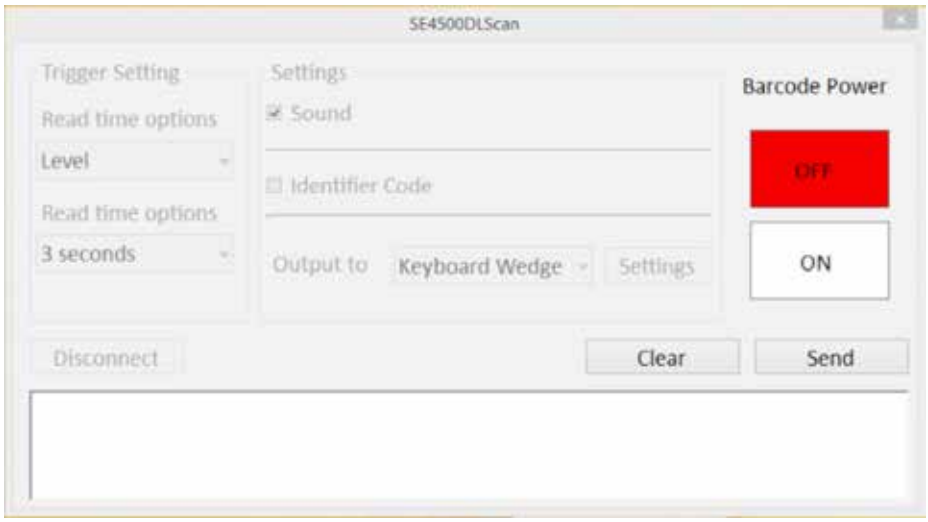
To set the Symbologies settings, the user can utilize the MotoSetting application that is installed on the tablet. Please follow the instructions below:

Caution	To utilize the MotoSetting application, the user has to first turn on the Barcode Scanner, and then disconnect the Barcode Scanner from the HotTab utility. This then allows the MotoSetting application to gain control for user to set the Symobologies as required. Once the desired settings are set, the user has to power cycle the Barcode Utility in HotTab, before continuing to use the Barcode Scanner.

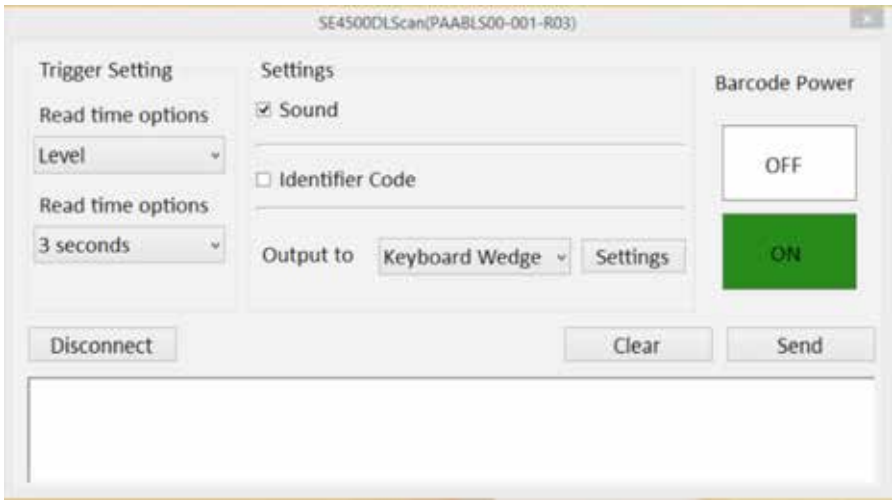
1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
2. Choose “Device ON/OFF” and then click on “Barcode”



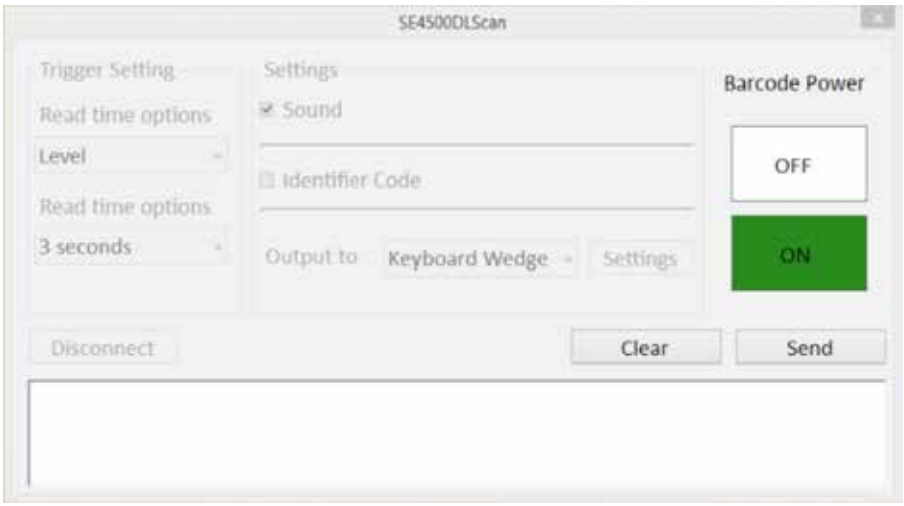
3. Barcode utility will show up as below:



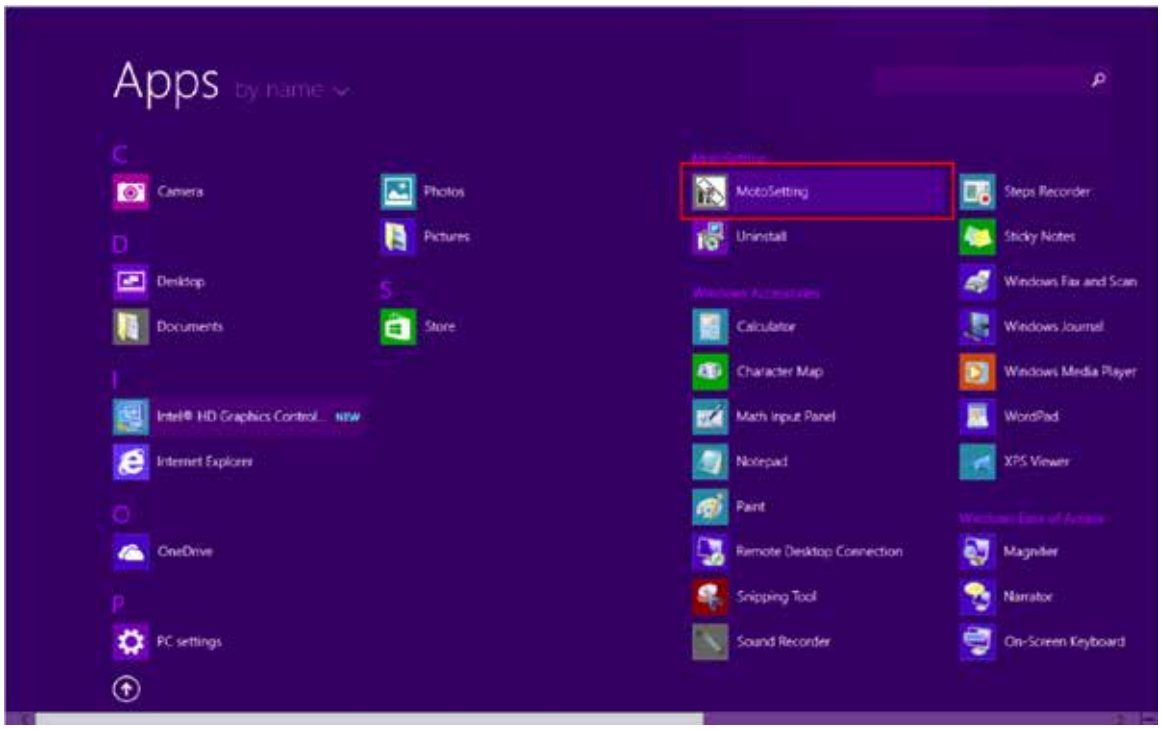
4. Tap on the ON button to turn on the Barcode Scanner.
5. Once the Barcode Scanner is ON, as shown below, tap on the “Disconnect” button.



6. Once the HotTab utility disconnects from the Barcode Scanner successfully, it will be as shown below:



7. Start the MotoSetting application



8. MotoSetting application will be shown as below. The left panel shows the symbologies settings, with check marks indicating the symbologies that are enabled. On the right side, is the console information indicating any status for the application.

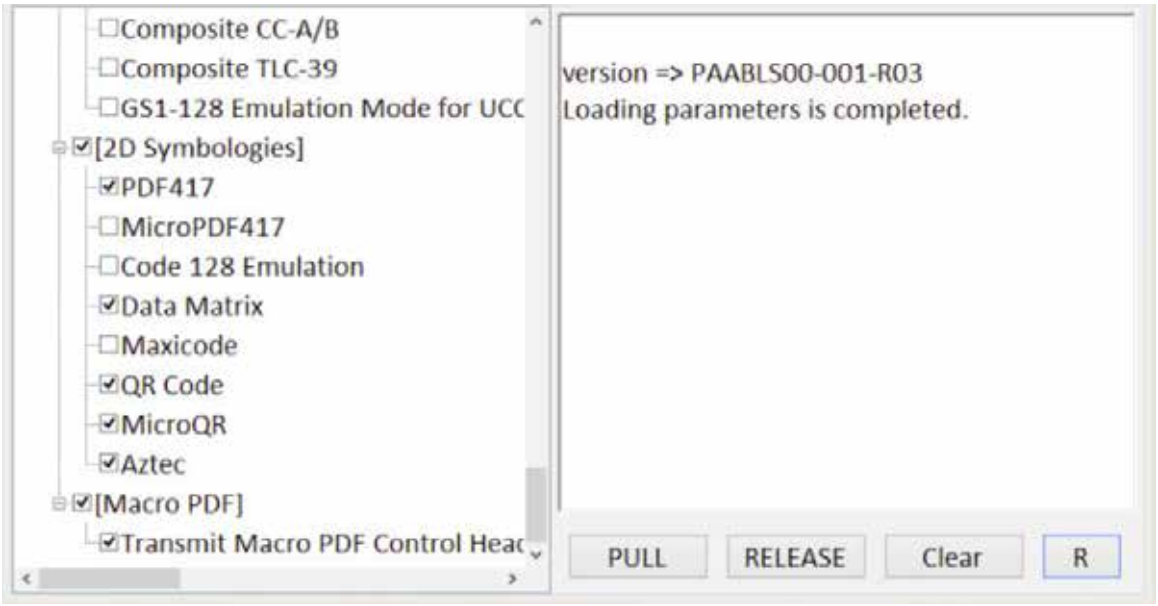
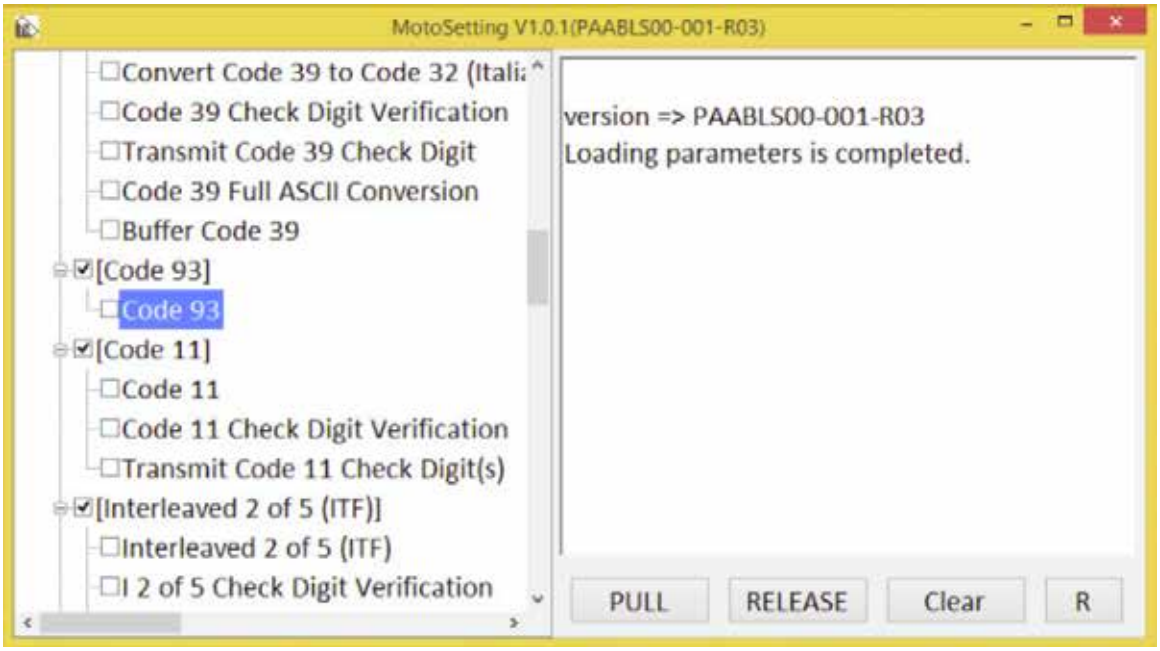


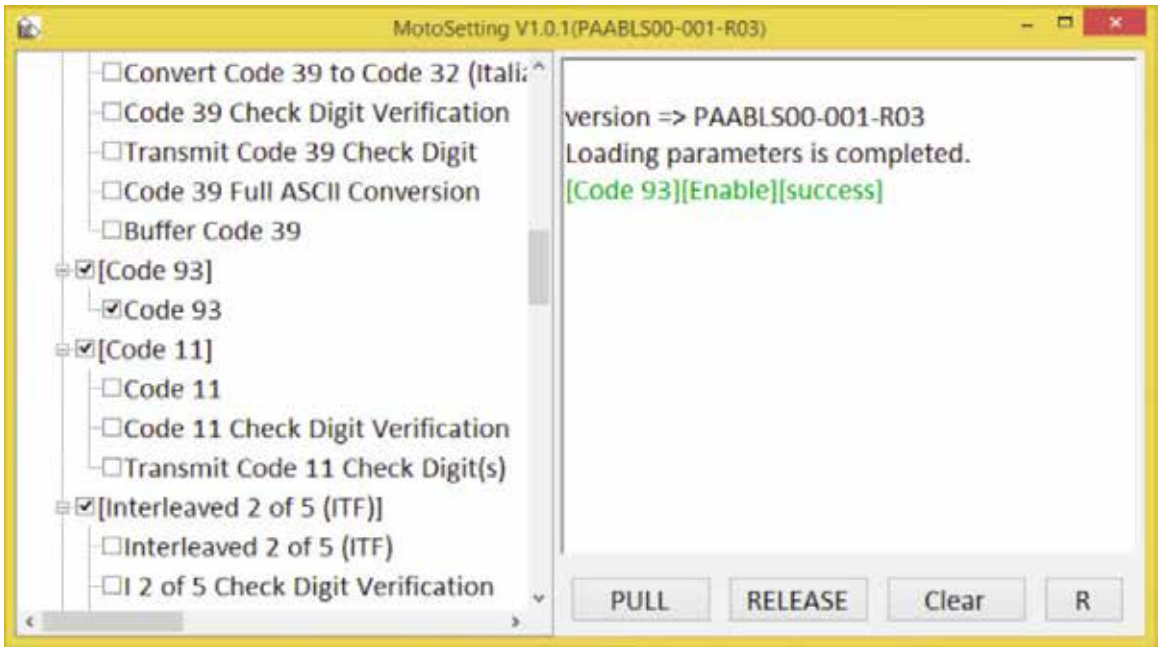
Table below shows the function of each button:

Button Name	Function
PULL	Turns on the Barcode Scanner, and stays on
RELEASE	Turns off the Barcode Scanner
Clear	Clears the right console panel of all status
R	Resets the Barcode Scanner if there are any malfunctions

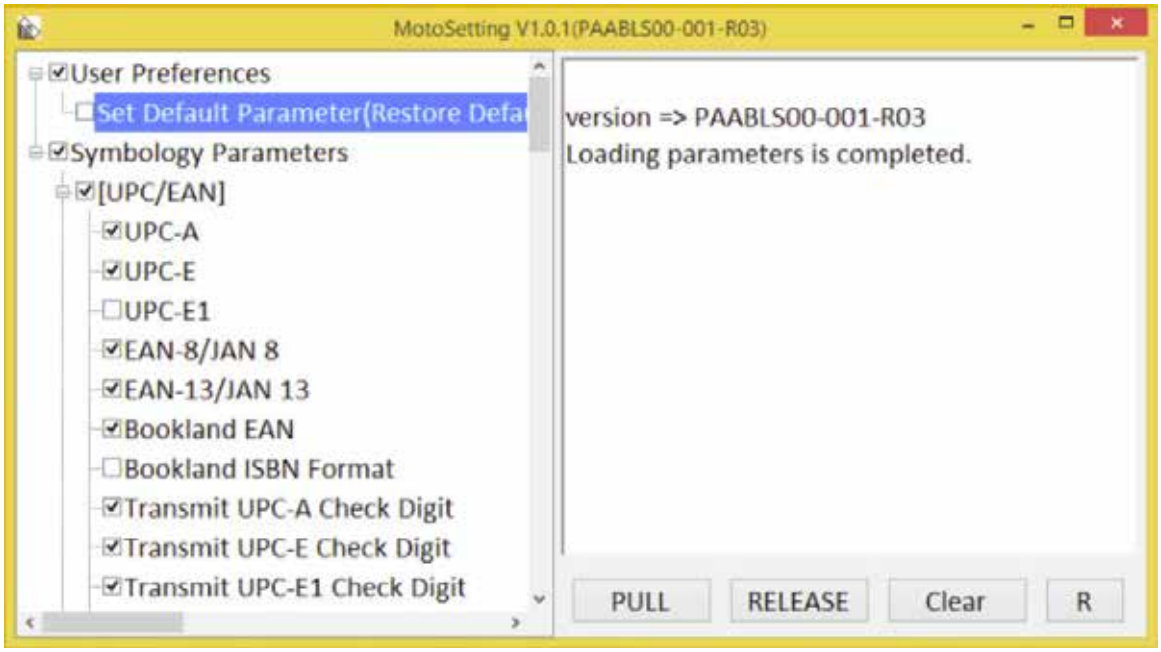
9. Using the left panel, the user is free to check/uncheck the symbologies setting as required.



10. The right panel shows any status change in the symbologies settings, as shown below:



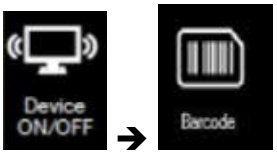
11. On the left panel, scroll to the top, scroll to the top, the user can also change the symbologies settings to default setting:



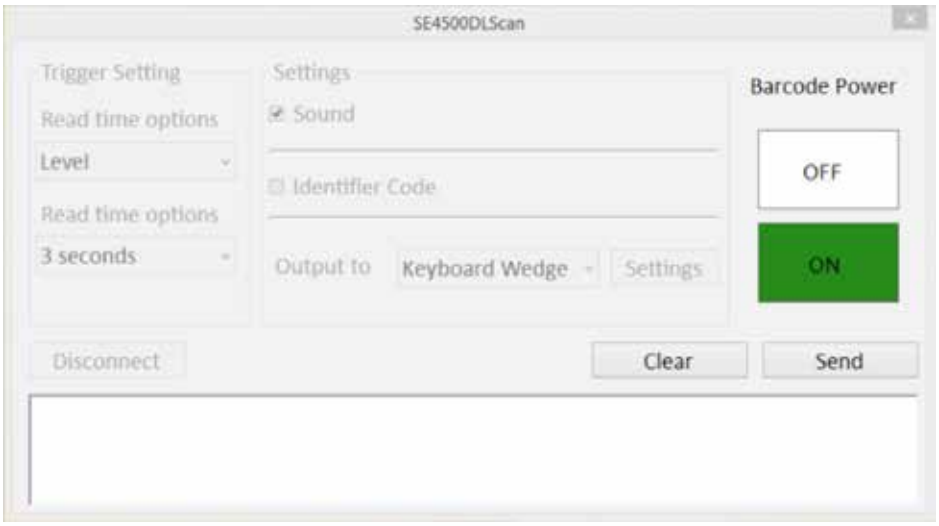
12. Once the user is done setting the symbologies, close the MotoSetting by clicking on the X on the top right, and then go back to the HotTab utility.

13. Open HotTab utility again by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.

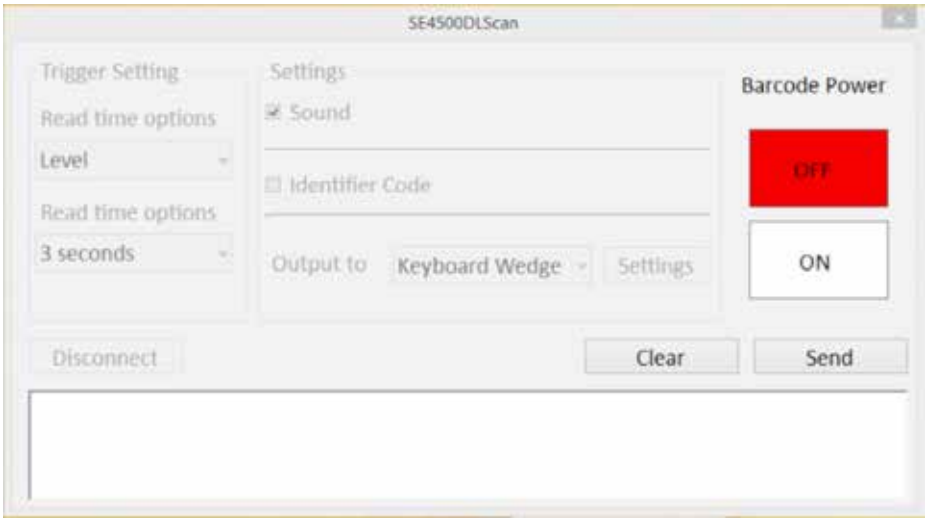
14. Choose “Device ON/OFF” and then click on “Barcode”



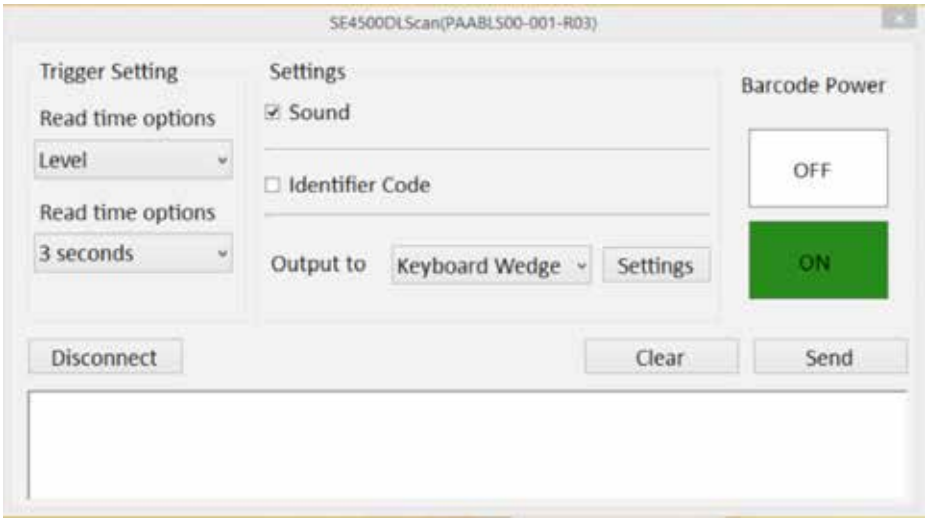
15. Barcode utility will show up as below:



16. Turn off the Barcode Scanner by tapping on the OFF button



17. And then tap on the ON button again



18. The user can now continue to use the Barcode Scanner with the new Symbologies settings.

4.16 Configuring High Resolution Screen Scaling and Setting

The M133W's 1920 x 1080 high resolution display is perfect for viewing image, video, or other applications, however, Windows user interface (icons, buttons, and other user interface elements) may be too small to read and operate at the default Windows settings. By changing the display scaling or the display resolution setting of the device, you can adjust the size of the text and other items on the desktop for optimal viewing. Display scaling is the recommended method because it has the effect of adjusting user interface element without having to move away from the optimal resolution setting at 1920 x 1080. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.

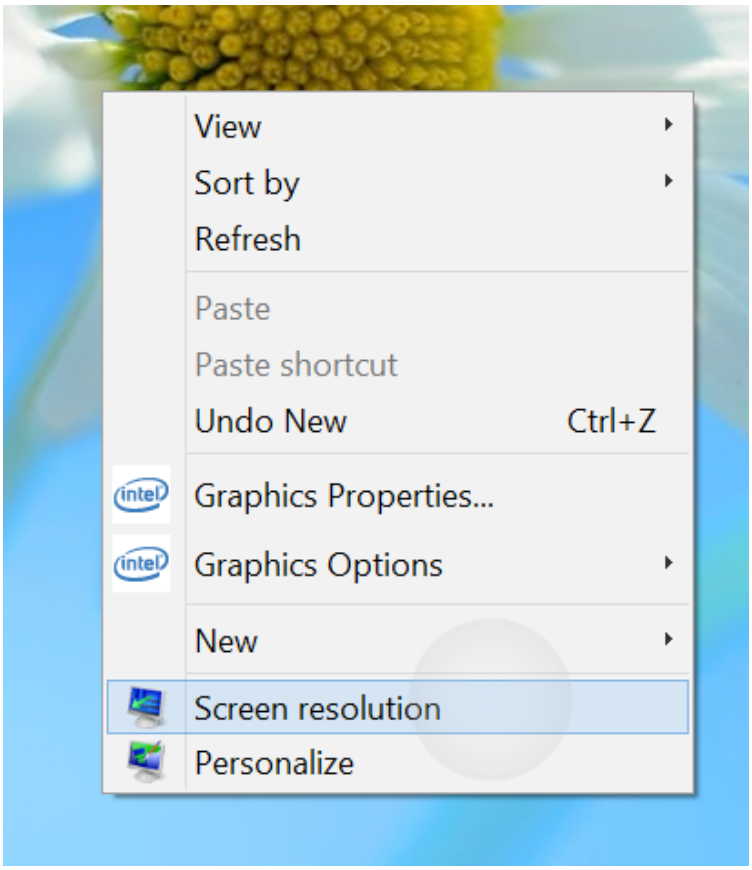
Note

- M133W is shipped with display scaling set at Larger - 150%. We recommend the users set the scaling to this setting for optimal text and image viewing.
- Before proceeding to change the scaling option, make sure any opened document is saved and close, and all running applications are closed before proceeding to change the display scaling, because this procedure requires users to log out of their account to apply display scaling change.

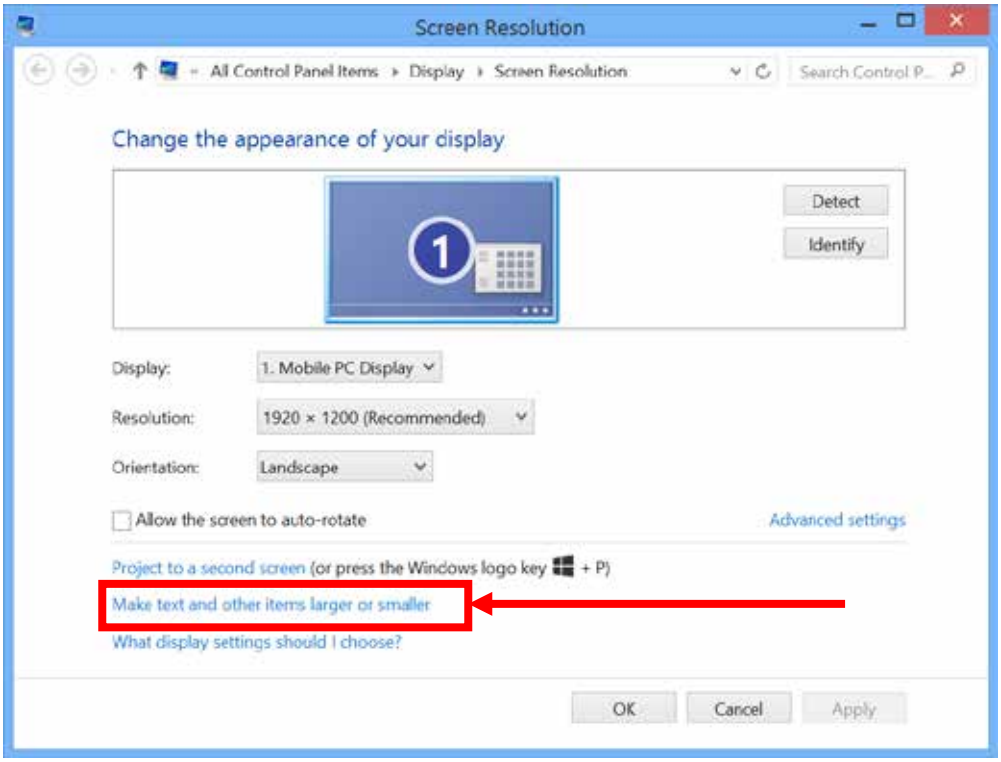
4.17 Changing display scaling setting (Recommended)

Perform the following to change display scaling setting:

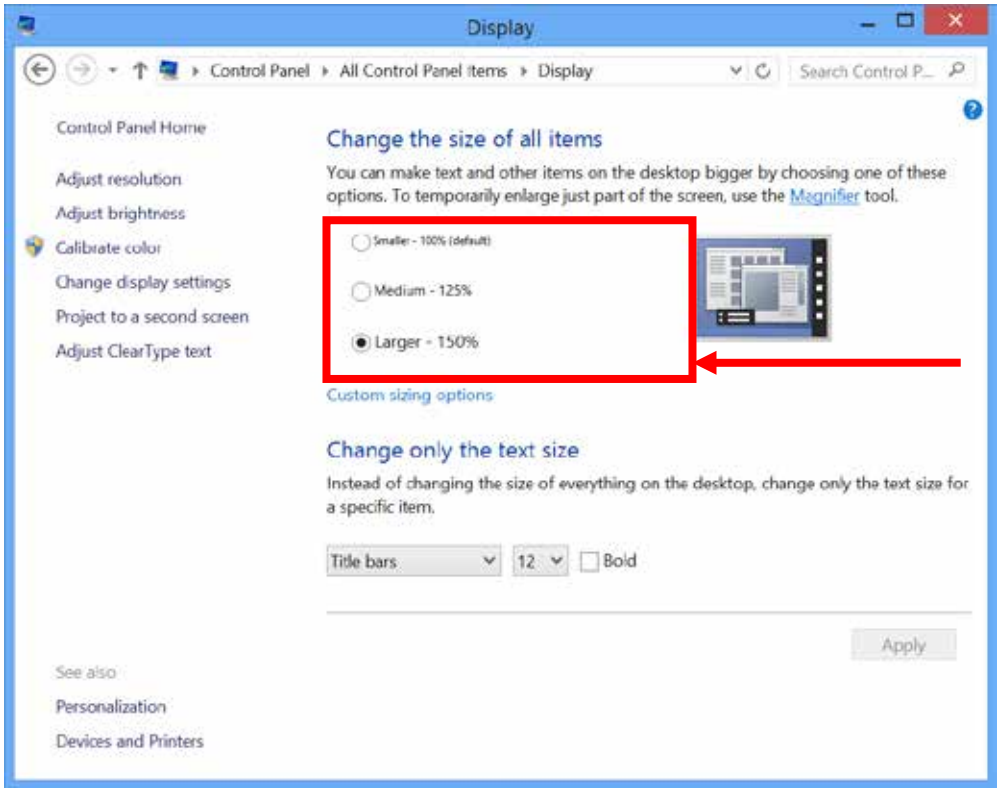
1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select “Screen resolution” option as shown below:



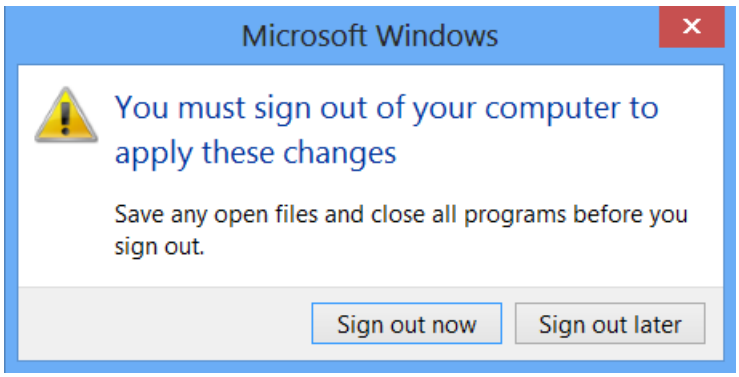
2. A “Screen Resolution” Window will show up. Select the “Make text and other items larger or smaller”option in the window, as shown below:



3. A“Display” window will show up. Under “Change the size of all items” section, change the scaling option to “Larger – 150%” or any other desired display scaling and hit “Apply” to save changes, as shown below



4. A prompt may show up to ask if you want to sign out to apply the scaling change. Hit “Sign out Now” to apply changes, as shown below:

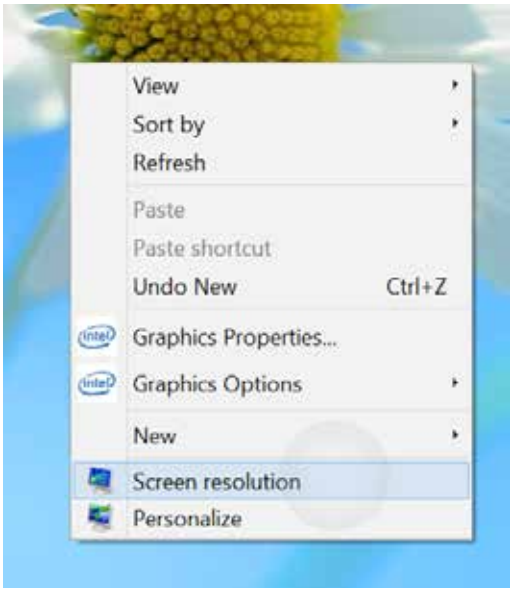


5. The user may now login again to Windows to see the changed display scaling already being applied.

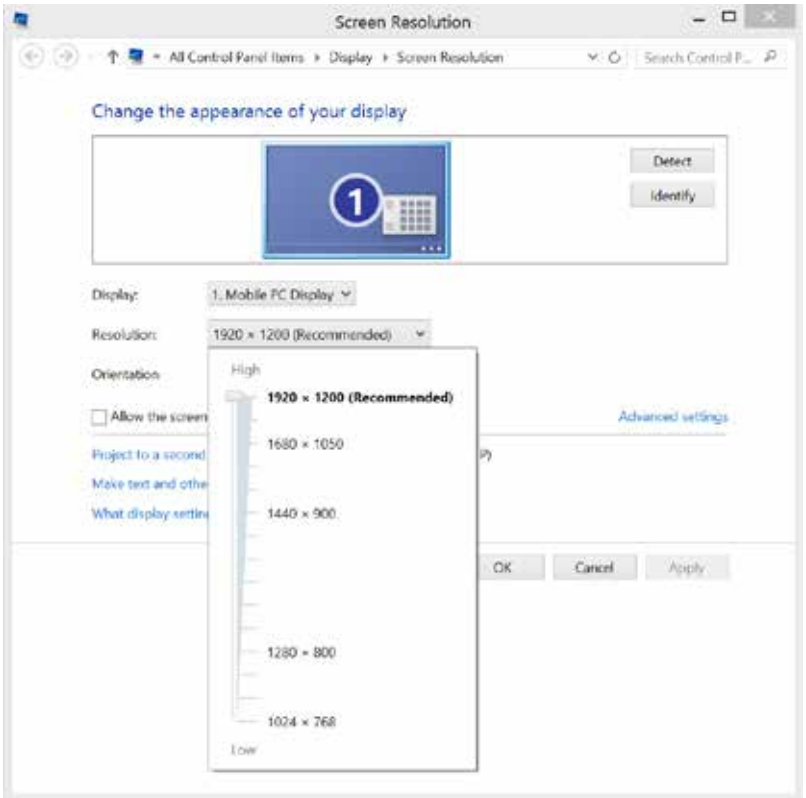
4.18 Changing screen resolution setting

Alternatively, instead of changing the display scaling setting, user may choose to change the overall resolution setting to make screen elements bigger.

1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select “Screen resolution” option as shown below:



2. Click on the dropdown option next to “Resolution” and select the desire resolution by tapping on the scale:

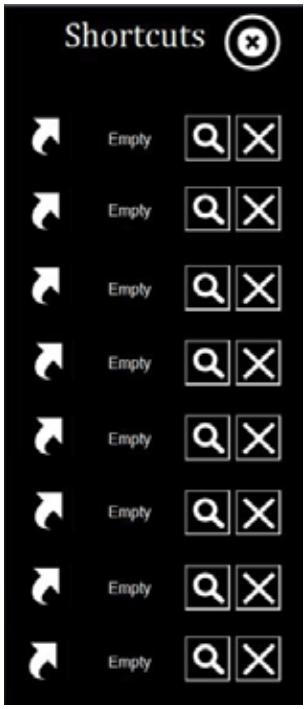


3. Hit “Apply”. A prompt “Display Settings” prompt will show up to ask the user if the applied resolution is usable.
4. If the new resolution is the desired display setting hit “Keep changes” and continue to next step. If the new resolution is not desirable, hit “Revert” and select a different resolution to change to, and start again from step 2.
5. The user may now use the device with the new resolution setting.

4.19 Using the HotTab Shortcuts (On-screen Software Shortcut)

The HotTab shortcuts are user configurableon-screensoftware short cuts via HotTabto allow users to have to quickly access programs with a few tabs. The Shortcuts menu offers 8 empty slots to store user's desired quick access. Shortcuts can be mapped to any of the executable files (.exe) installed on the tablet.

Short Cut Menu:



To store a new shortcut:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button.
3. Tab on button of any empty slot.
4. An on screen file browser will appear.
5. Browse to find the desired application to have shortcut.
6. Click "Open" to save the shortcut.

To remove an saved shortcut:

1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button.
3. Tab on the button of any saved slot to remove
4. Shortcut will be removed, and once again show "Empty" to indicate slot is empty.
5. Tab on the button will hide the HotTab Utility Menu.

Using the HotTab shortcuts:

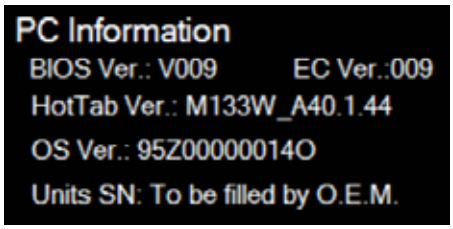
1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button.
3. Tab on the saved shortcut items to access the saved programs.

4.20 Accessing the Device Information (HotTab Setting)

This HotTab menu option provides users information such as PC Information, Battery status,and also device settings such as power management setting, and function key mappings. Perform the following procedure to access the HotTab Setting menu:

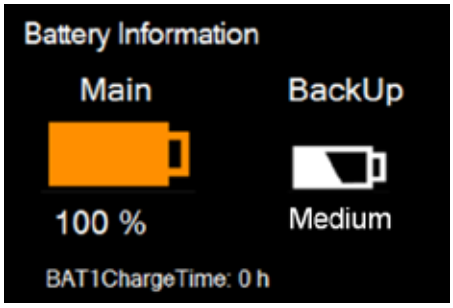
1. Open the HotTab utility by press the (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Settings button.
3. Below shows the items listed in Settings Menu.

PC Information:



This section provides user device information in regards to BIOS Version, EC Versions, HotTab Versions, OS Versions, as well as Unit Serial Number, shown in the picture sample.

Battery Information:



This section provides user battery Information.

Main Battery:

The main battery Icon displays the battery level in percentages (0 to 100%).

Backup Battery: (Optional)

The backup battery used for battery hot swapping displays its state in text with the following meanings.

Status	Description
High	Backup battery is fully charged, and can be used for hot swapping
Medium	Backup battery level is intermediate, but can be used for hot swapping
Low	Backup battery level is low, and hot swapping is not recommended.

Battery Charge Time:

The Battery Information also displays estimated time needed to fully charge the main battery when AC adapter is plugged in. Meanwhile, the backup battery is charged by the main battery.

4.21 Using Recovery Wizard to Restore Computer

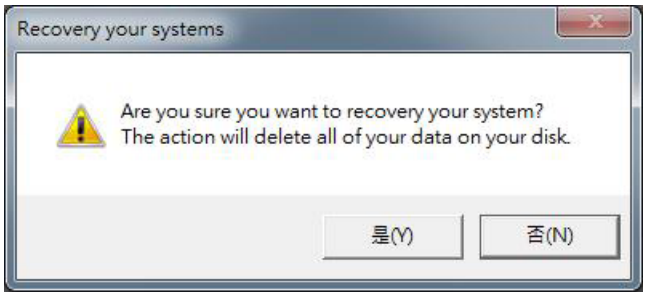
The tablet computer has a dedicate recovery partition stored on the hard drive of the tablet to enable quick one-key recovery process. This partition occupies about 11GB of the storage space, and comes built-in to each tablet computer.

Warning:Before starting the recovery process, be sure to backup all user data, as all data will be lost after the recovery process.

Follow the procedure below to enable quick one-key recovery procedure:

1. Plug-in the AC adapter to tablet computer. Make sure the tablet computer stays plugged in to power source during the recovery process.
2. Turn on the tablet computer, and when the boot screen shows up, press the Fn1 button (Recovery Key) on the front bezel OR press F6when using an external USB keyboard to initiate the Recovery Wizard.
3. The following screen shows the Recovery Wizard. Click on “Recovery” button to continue.

4. A warning message about data loss will show up. Make sure data is backed up before recovery, and click on “Yes” to continue.



5. Wait till the recovery process to complete. During the recovery process, a command prompt will show up to indicate the percent of recovery process.After recovery is completed, and the tablet computer will restart automatically.

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5 Troubleshooting

5.1 Troubleshooting (Basic)

Problem	Solution
The removable battery is not charging.	Make sure the AC adapter is properly connected, and that the removable battery is properly inserted.
Nothing appears on the screen.	The tablet computer may be in sleep mode. Press the power button to wake up the display. The brightness level may be too low. Increase brightness.
The screen suddenly turns blank and the power indicator goes off.	Make sure that LED indicator is not turned off in HotTab. Make sure the AC adapter is properly connected. If running on battery power, the battery may be depleted, charge the battery.
Wireless LAN signal quality is poor.	The tablet computer may be out of range. Move the tablet computer closer to the access point or another wireless LAN device associated with it. Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the tablet computer away from objects causing interference.
I cannot connect to another wireless LAN device.	Make sure that wireless LAN feature is turned on. Make sure that the SSID setting is the same for every wireless LAN device in the network. Restart the tablet computer Make sure the IP address or subnet mask setting is correct.
I cannot connect to another device with Bluetooth.	Make sure that both devices have Bluetooth turned on (For the Tablet Computer, check HotTab to see if Bluetooth is turned on). Make sure that the distance between the two devices is within 10 meters and there are no walls or large obstructions between the devices. Make sure the both devices are turned on and configured to be discoverable. Make sure that both devices are compatible.
The GPS application cannot find my location.	Make sure that GPS is turned on in HotTab. Make sure that GPS receiver and the location sensor are enabled in Control Panel. The tablet computer may be out of coverage area. Move your tablet computer outdoors or closer to a window. Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the tablet computer away from objects causing interference.

No sound is produced.	Adjust volume of the tablet computer by pressing on the volume rocker. If using an external audio device, make sure that the cable is properly connected.
I cannot project the tablet computer display to another monitor.	Make sure the graphic driver is installed. Make sure the output setting selected is correct.
Barcode scanner does not emit laser beam and does not seem to work.	Make sure the Barcode scanner device is enabled in HotTab utility. Make sure under Windows, the Barcode Reader is set to COM 15 port, so that HotTab can trigger the Barcode Reader hardware.
Barcode Scanner emits laser beam but does not read barcode presented to it.	Adjust the distance between barcode scanner of the device and the barcode being scanned. Make sure the barcode code type is enabled in the tablet.
I am having GPS accuracy issue	When utilizing the GPS function, we recommend disabling the Barcode Reader in Hottab to reduce interference.
RFID scanner does not seem to work.	Make sure under Windows, the RFID hardware is set to COM 3 port.

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