

Trimble® Kenai rugged tablet computer

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Release Notice

This is the December 2015 release (Revision A) of the Trimble Kenai rugged tablet computer documentation.

About this user guide

This user guide describes how to set up and use the Trimble® Kenai rugged tablet computer. The information in this guide supplements the information in the Quick Start Guide, which you received in the box with the tablet computer.

Even if you have used other Global Navigation Satellite System (GNSS) or Global Positioning System (GPS) products before, Trimble recommends that you spend some time reading this guide to learn about the special features of the product.

If you are not familiar with GNSS, go to the Trimble website (www.trimble.com) for more information.



WARNING- Before you use this product, make sure that you have read and understood all safety requirements. Failure to follow these safety instructions could result in fire, electric shock, or other injury, or damage to the tablet computer or other property.

For safety information, see [Safety Information, page 44](#).

Registration

To receive information regarding updates and new products, contact your local dealer or visit the Trimble customer registration website at www.trimble.com/register. When you have registered, you can select the newsletter, upgrade, or new product information.

Contents

- About this user guide 3
- 1 About the Trimble Kenai rugged tablet computer 6**
 - Configuration options 7
 - Parts and accessories 7
 - Parts of the rugged tablet computer 9
- 2 Getting started 12**
 - Applying the screen protector 13
 - Inserting a SIM card 13
 - Inserting a battery 14
 - Attaching the stylus 14
 - Using the hand strap 15
 - Charging the battery 16
 - LED status 17
 - Turning your tablet computer on and off 17
 - Using the touchscreen 18
 - Calibrating the touchscreen 20
 - Configuring the 'F' buttons on the tablet computer 20
- 3 Managing power 22**
 - Removing / swapping the battery 23
 - Checking the charge level of the battery 23
 - Power management and power-saving tips 24
- 4 Connecting to and communicating with other devices 25**
 - Connecting to external audio devices 26
 - Connecting to USB devices 26
 - Connecting to RS-232 devices 26
 - Working with Wi-Fi (802.11) 26
 - Working with Bluetooth 27
 - Using a cellular network 29
 - Using Airplane mode 29
- 5 Working with the camera 30**
 - Taking a photo or recording video 31
 - Camera settings 31
 - Working with photos and videos 32
- 6 Working with GNSS 34**
 - Using the Trimble GNSS Setup app 35

- 7 Using BIOS setup and system recovery 36**
 - When to use the BIOS setup utility 37
 - Accessing the BIOS Setup utility 37
 - Setting a supervisor password 39

- 8 Troubleshooting 40**

- Safety Information 44**
 - Caring for your device 45
 - Safe use of your device 45
 - Environmental considerations and specifications 47
 - Telecommunications & Internet Association (TIA) information 47
 - Exposure to Radio Frequency (RF) Signals 48
 - Hardware specifications 49

- Legal notices 50**
 - Declaration of conformity 51
 - Recycling information 52
 - Regional compliance information 52
 - Warranty 54
 - End User License Agreement for Product Software 55

About the Trimble Kenai rugged tablet computer

- Configuration options
- Parts and accessories
- Parts of the rugged tablet computer

Configuration options

This Trimble rugged tablet computer is powered by the Windows® 10 operating system, and is available in the following configurations:

- 64 GB SSD, 4 GB RAM, with Wi-Fi and Bluetooth® wireless technology
- 128 GB SSD, 4 GB RAM, with Wi-Fi and Bluetooth wireless technology
- 128 GB SSD, 8 GB RAM, with Wi-Fi and Bluetooth wireless technology
- 256 GB SSD, 8 GB RAM, with Wi-Fi and Bluetooth wireless technology

Some configurations are available with WWAN and/or a Cirronet radio module.

Parts and accessories

A standard pack-out has the following items:

- Trimble Kenai rugged tablet computer (for specified customer configuration request)
- Standard battery pack (hot swappable)
- Fine-tipped capacitive stylus and tether
- Standard screen protector film
- AC power adapter

The following accessories are available:

- Standard battery pack
- Extended battery pack
- Screen protectors
- Polarized sunglass-compatible screen protector film
- Hand strap
- Vehicle docking station: vehicle dash, vehicle windscreen, and survey rod
- DC power adapter
- Capacitive display-compatible work gloves
- Rugged keypad
- Office docking station
- Office external battery charger

1 About the Trimble Kenai rugged tablet computer

- External GPS patch antenna
- Carry case

The office docking station provides a charging and syncing station in an office environment with access to the following additional features:

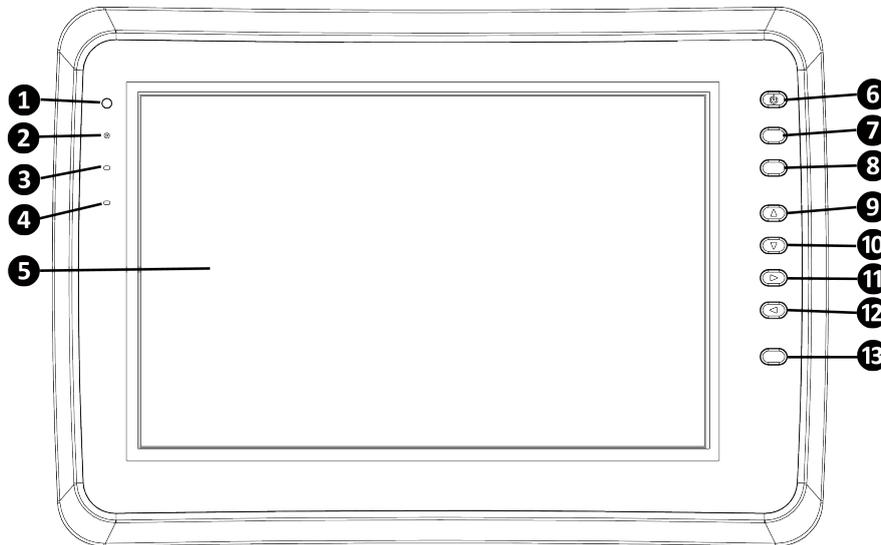
- three USB ports (two at the back, one at the front)
- an HDMI port
- a 3.5 mm stereo headset jack
- an ethernet port
- an AC power adapter
- a Kensington lock
- a power status LED, on the front of the docking station

The powered vehicle docking station enables you to dock the tablet computer in cars, trucks, marine vehicles, and other heavy transport. It supports a broad range of input voltages in a single design, and provides access to the following features:

- audio output front speakers
- external headset support
- four USB ports (two at the back, two at the front)
- Key locking (top mounted)
- an ethernet port
- an HDMI port
- two RS-232 ports
- GNSS
- an external GNSS antenna socket
- a replaceable 20 AMP fuse

Parts of the rugged tablet computer

Front view



❶ Light sensor

❷ Microphone

❸ Power LED

❹ Battery LED

❺ Touchscreen

❻ Power button

❼ Windows button

❽ OK button

❾ F1 button / Up button

❿ F2 button / Down button

⓫ F3 button / Right button

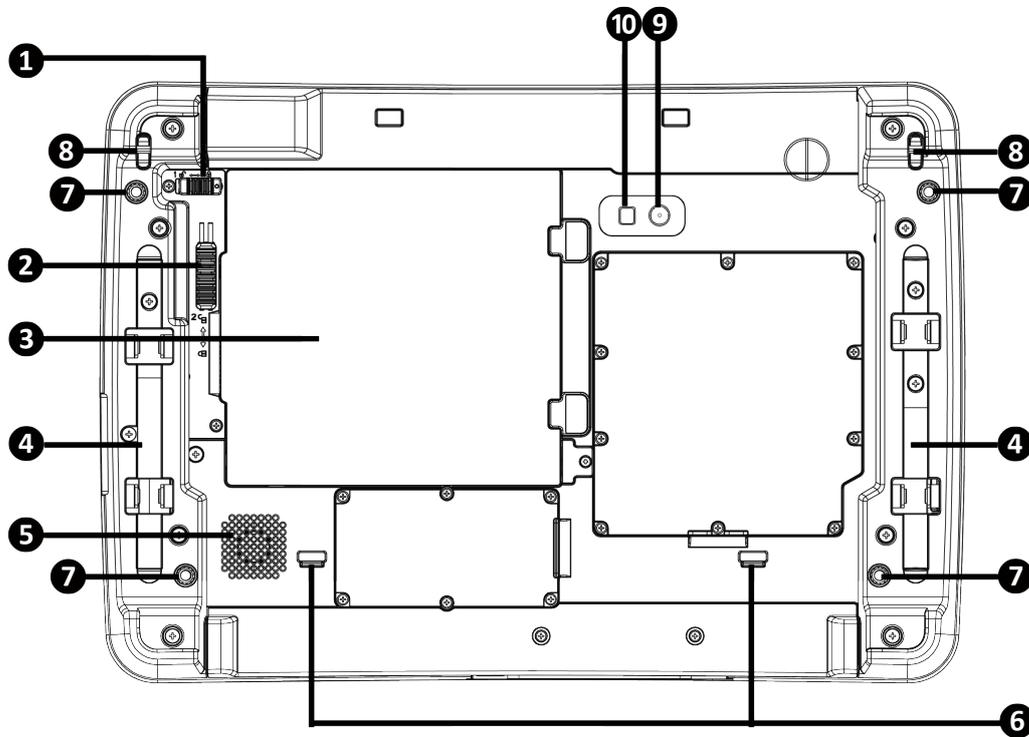
⓬ F4 button / Left button

⓭ Fn Function button

The programmable buttons labelled **F1**, **F2**, **F3**, **F4** are imprinted with directional arrows, and default to cursor actions to allow up, down, left, and right movement of the cursor or tab selection. Use the Trimble tablet utility on the tablet computer to assign other functions to these buttons. To access the other functions, press the **Fn** button. For more details on using the utility, see [Configuring the 'F' buttons on the tablet computer, page 20](#).

The **OK** button defaults to the *Enter* command.

Back view



① Battery lock

② Battery release latch

③ Battery*

④ Stylus dock

⑤ External speaker

⑥ Docking station hooks

⑦ Hand strap screw fixtures

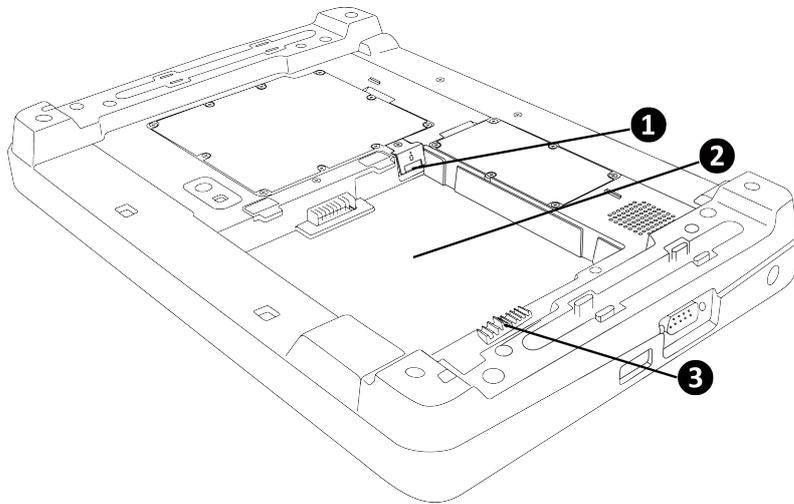
⑧ Stylus tether point

⑨ Camera lens

⑩ Camera flash

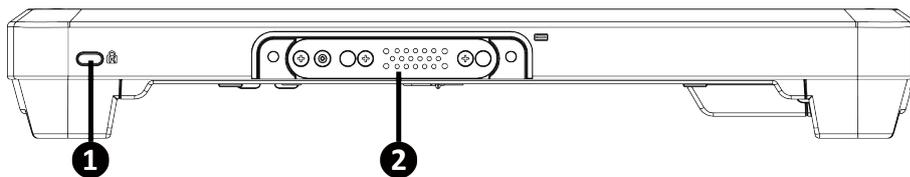
*Image shows the standard battery, which sits flush in the battery compartment. An extended (larger battery) is also available.

Back view - battery removed



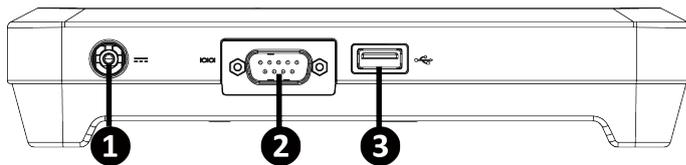
- ① SIM card slot
- ② Battery compartment (battery removed)
- ③ Battery release latch

Bottom view



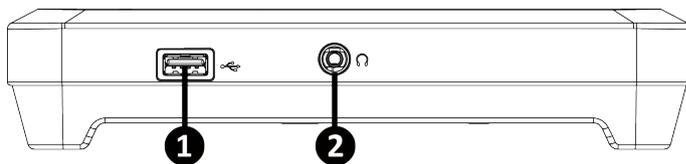
- ① Kensington lock
- ② Docking connector

Side view - right



- ① Power connector
- ② RS-232 connector
- ③ USB connector

Side view - left



- ① USB connector
- ② Headset connector

Getting started

- [Applying the screen protector](#)
- [Inserting a SIM card](#)
- [Attaching the stylus](#)
- [Using the hand strap](#)
- [Charging the battery](#)
- [LED status](#)
- [Turning your tablet computer on and off](#)
- [Using the touchscreen](#)
- [Calibrating the touchscreen](#)
- [Configuring the 'F' buttons on the tablet computer](#)

This section tells you how to get started using your rugged tablet computer and explains some basic operating system features.

When you start your tablet computer for the first time, the Microsoft Windows operating system will take you through some basic set-up steps; follow the instructions on the screen. For more details on setting up and using the Windows 10 operating system, refer to the Microsoft Windows 10 Help.

Applying the screen protector

Unprotected screens become scratched and scuffed over time. Screen protectors extend the life of the display by providing a protective and replaceable barrier between abrasive grit and the surface of the display.

The tablet computer's touchscreen is protected during transport by a transparent film. Remove the protective film from the touchscreen to begin using the tablet computer. To keep the touchscreen clean and protected, apply the screen protector following the instructions provided in the screen protector package.

Trimble recommends that you replace the screen protector every two months, or more often if heavily used.

Screen damage associated with not using a screen protector, not using the approved screen protector or failure to follow the instructions for installation may void the product warranty.

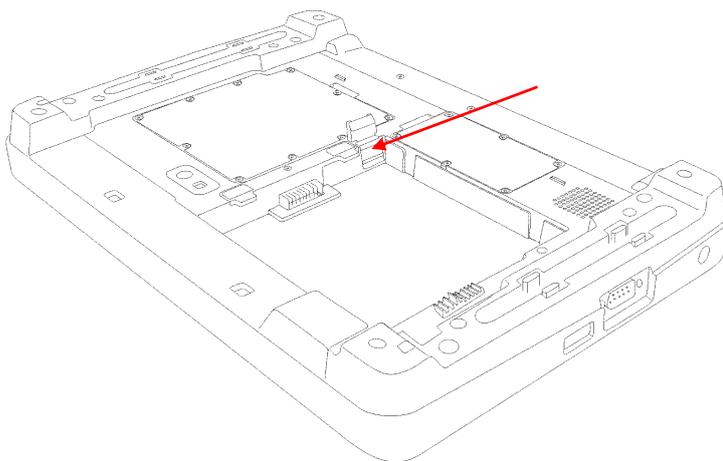
Do not use paper towels to clean the display; use the cleaning cloth provided. Avoid touching the screen with a pen or pencil.

Inserting a SIM card

If your tablet computer supports data connection using 3G SIM cards, it includes a micro SIM card slot for cellular and wireless connection. Only a micro SIM card is supported in the slot.

To insert a SIM card:

1. Make sure the tablet computer is turned off. Remove the battery and locate the SIM card slot inside the battery compartment.
2. Open the SIM card slot cover.

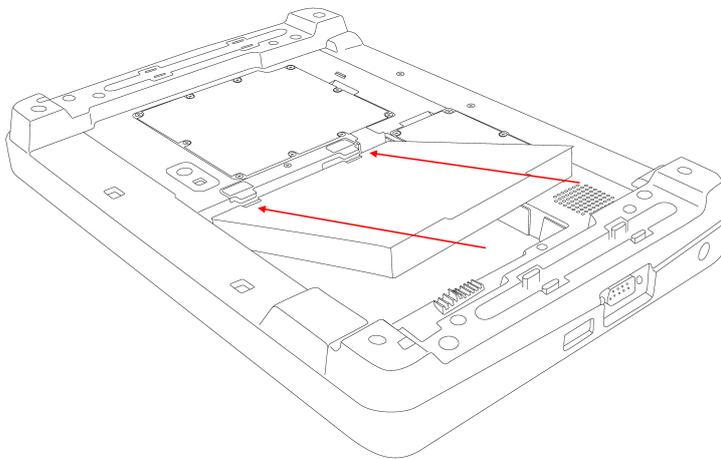


2 Getting started

3. Align the SIM card with the slot making sure that the corners match.
4. Insert the micro SIM card and press it in until it clicks.
5. Close the SIM card slot cover, and replace the battery. Slide the battery lock to the locked position. The tablet computer will not turn on if the battery lock slider is not locked.

Inserting a battery

1. Insert the battery (standard or extended) into the battery compartment in the back of the tablet computer, as illustrated:



2. Click it into place, then slide the battery lock to the locked position. The tablet computer will not turn on if the battery lock slider is not locked.

Note – To remove a battery, slide the battery lock to the unlocked position, then use the battery release latch to release the battery from the compartment.

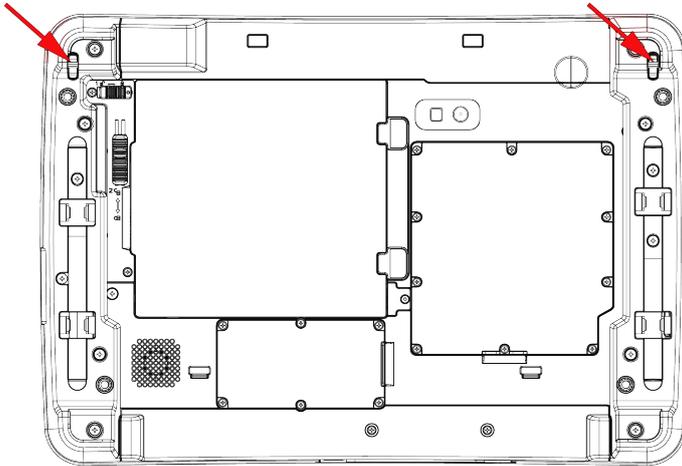
Attaching the stylus

Your tablet computer comes with a capacitive stylus for use with the touchscreen. The stylus holders at the back of the tablet computer provides a convenient place to store the stylus, on the right or the left of the device.

2 Getting started

To attach the stylus to your tablet computer:

1. Loop one end of the tether to the eyelet on the stylus.
2. Loop the other end of the tether to the eyelet on the tablet computer (left or right).



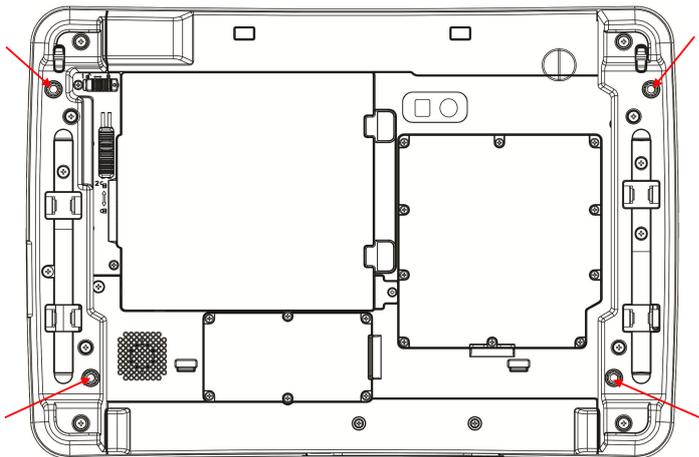
To store the stylus, push the stylus into the stylus holder until it locks into place.

To remove the stylus, lift the stylus by its tab to remove it from the stylus holder. For convenience of use, pull the tab to extend the stylus length.

Using the hand strap

The tablet computer comes with a hand strap for ease of use and carrying.

To attach the hand strap, use a Phillips screwdriver to fasten the four screws on the hand strap to the back of the rugged tablet computer.



Ensure the hand strap is fitted the correct way around so that it is clear of the rear-facing camera.

Charging the battery

The tablet computer operates on external AC power or battery power.



WARNING - Use only the Lithium-ion battery specified for this Trimble product. Charging or using the battery in unauthorized equipment, or using an unauthorized battery, can cause an explosion or fire, and can result in personal injury and/or equipment damage.



WARNING - Avoid contact with the rechargeable Lithium-ion battery if it appears to be leaking. Battery fluid is corrosive, and contact with it can result in personal injury and/or property damage. To prevent injury or damage:

- If the battery leaks, avoid contact with the battery fluid.
- If battery fluid gets into your eyes, immediately rinse your eyes with clean water and seek medical attention. Do not rub your eyes!
- If battery fluid gets onto your skin or clothing, immediately use clean water to wash off the battery fluid.



WARNING – Charge and use the rechargeable Lithium-ion battery only in strict accordance with the instructions. Charging or using the battery in unauthorized equipment can cause an explosion or fire, and can result in personal injury and/or equipment damage.

To prevent injury or damage:

- Do not charge or use the battery if it appears to be damaged or leaking.
 - Charge the Lithium-ion battery only in a Trimble product that is specified to charge it. Be sure to follow all instructions that are provided with the battery charger.
 - Discontinue charging a battery that gives off extreme heat or a burning odor.
 - Use the battery only in Trimble equipment that is specified to use it.
 - Use the battery only for its intended use and according to the instructions in the product documentation.
-



WARNING – Do not damage the rechargeable Lithium-ion battery. A damaged battery can cause an explosion or fire, and can result in personal injury and/or property damage.

To prevent injury or damage:

- Do not use or charge the battery if it appears to be damaged. Signs of damage include, but are not limited to, discoloration, warping, and leaking battery fluid.
 - Do not expose the battery to fire, high temperature, or direct sunlight.
 - Do not immerse the battery in water.
 - Do not use or store the battery inside a vehicle during hot weather.
 - Do not drop or puncture the battery.
 - Do not open the battery or short-circuit its contacts.
-

To connect the tablet computer to AC power and charge the battery inside the device:

1. Connect the appropriate plug to the power cord and attach the power supply.
2. Plug into an electrical outlet and plug the barrel end of the power supply into the device.

Alternatively, use the office docking station; plug the barrel end of the power supply into the docking station, and seat the tablet computer on the docking station. Make sure the LED glows green, indicating that it is connected to AC power.

When the AC adapter is connected, the battery is charging. The battery will charge fully in about six hours. The battery LED indicator on the tablet computer glows amber to indicate that charging is in progress. When the battery is fully charged, the battery LED indicator on the tablet computer glows green.

You can also use the office battery charger (an optional accessory) to charge a battery outside of the tablet computer.

For further information on removing / swapping batteries and managing power, see [Managing power, page 22](#).

LED status

There are two LEDs on the front left side of the device that provide status information:

- The Power LED shows the following different states:
 - Solid blue - tablet computer is turned on.
 - Flashing blue - tablet computer is in sleep mode.
 - Off - tablet computer is turned off.
- The battery LED shows the following different states:
 - Solid green - tablet computer is on, device is connected to mains power, and the battery is fully charged.
 - Solid amber - tablet computer is on, device is connected to mains power, and battery is charging.
 - Flashing amber - tablet computer is on, and the battery charge is low.
 - Off - tablet computer is off, battery is fully charged / is missing.

Turning your tablet computer on and off

If you need to connect any peripheral devices to your tablet computer, do this before you turn on the tablet computer.

To turn on the tablet computer:

1. Make sure that the tablet computer is either connected to AC power or the battery is charged.
2. Press the *Power* button. The device runs through the start up sequence and powers up.

Note – Make sure the battery lock slider is in the locked position. The tablet computer will not turn on if the battery lock slider is not locked. See [Inserting a battery, page 14](#).

The Power LED indicator glows solid blue when the tablet computer is turned on.

To turn off the tablet computer, press and briefly hold the *Power* button. The message *Shutting down...* displays briefly on the screen. Release the **Power** button.

Using the touchscreen

The tablet computer's touchscreen is protected during transport by a transparent film. Remove the protective film from the touchscreen to begin using the tablet computer. Trimble recommends that you always use a screen protector when using the tablet computer. See [Applying the screen protector, page 13](#).

Use only your finger, the capacitive stylus, or suitable conductive gloves to interact with the touchscreen. Do not use sharp, pointed objects or rough gloves on the touchscreen. These objects may scratch the screen.

Do not place any objects on its surface and do not press down strongly with sharp-pointed or hard objects that may leave marks.

Use the stylus only for touching the screen. Using it for any other purpose may damage the stylus and result in scratches on the screen.

The capacitive stylus uses electromagnetic induction and may not work properly near strong electrical fields or magnetic fields such as near AM radio base stations or relay station antennas, or near CRT displays that generate strong electromagnetic field noise. Move away from such locations so that the stylus works properly.

The pointer cannot follow the stylus movement if you move it too quickly.

To make a selection, tap the screen once on the item you want to select.

To display a right-click menu, tap and hold an item on the screen. Then tap the required menu item.

Selecting Finger mode, Stylus mode, or Glove mode

Use the *TouchControl* utility to set the tablet computer's screen to use a stylus, your finger(s), or a gloved finger/fingers.

1. Launch the *TouchControl* utility from the Desktop.
2. Under *Touch Mode Setting*, select *Finger Mode*, *Stylus Mode*, or *Glove Mode*.
3. Tap **OK**.

The table below shows which modes work in dry or rainy conditions:

	10 point touch	2 point touch	Glove	2 mm stylus	9 mm stylus
Dry	✓	✓	✓	✓	✓
Rain	✗	✓	✓*	✗	✓

*Glove performance varies depending on the supplier. Touch gloves supplied by Trimble are suitable for use in dry conditions.

Adjusting the screen brightness manually

The touchscreen is designed to be responsive to external lighting conditions to adjust its brightness automatically, based on the [Power option](#) you have set. To manually adjust the screen brightness for a short period:

1. Flick the right-hand side of the screen to the left to display the *Action Center* then tap *All Settings*. Or tap  / *Settings*.
2. Tap *System / Display*, then drag the *Brightness level* slider right to increase the brightness, or left to reduce it.

Setting landscape or portrait mode

The tablet computer's screen orientation changes between landscape and portrait as you physically rotate the tablet computer. To prevent the screen orientation from changing automatically, you can lock the screen in landscape or portrait mode:

1. Turn the tablet computer to the orientation you want to lock.
2. Flick the right-hand side of the screen to the left to display the *Action Center*.
3. Tap **Rotation lock**.

The screen is now locked in whichever orientation the tablet computer was showing.

Alternatively:

1. Flick the right-hand side of the screen to the left to display the *Action Center* then tap *All Settings*. Or tap  / *Settings*.
2. Tap *System / Display*.
3. Move the *Lock rotation of this display* slider to the *On* position.
4. In the *Orientation* drop-down list above this setting, select the required orientation.

2 Getting started

To unlock the orientation setting:

1. Flick the right-hand side of the screen to the left to display the *Action Center*.
2. Tap **Rotation lock** to turn it off.

Alternatively:

1. Flick the right-hand side of the screen to the left to display the *Action Center* then tap *All Settings*. Or tap  / *Settings*.
2. Tap *System / Display*.
3. Move the *Lock rotation of this display* slider to the *Off* position.

Calibrating the touchscreen

If you need to recalibrate the touchscreen, use the Windows screen calibration tool.

1. Tap and hold  to bring up the right-click menu, then tap *Control Panel*.
2. Select *View by: Large icons, or Small icons*.
3. Tap *Tablet PC Settings*. The *Tablet PC Settings* utility launches.
4. Tap **Calibrate**. The first time you calibrate the touchscreen, a message appears confirming that you want to allow the tool to make changes to the device. Tap **Yes**.
5. Follow the on-screen instructions, tapping the marker as it appears on the screen, then save your changes.

Configuring the 'F' buttons on the tablet computer

The F1, F2, F3, and F4 buttons on the front right of the tablet computer can be programmed to perform different actions than the default cursor actions (up, down, left, and right movement of the cursor or tab selection).

To assign other actions for the F1 to F4 buttons, use the Trimble tablet utility that is pre-installed on the device. You can specify four actions for each button.

1. Launch the utility, then tap **Button Setting**.
Setting A shows the default settings for the F1 to F4 buttons. You can change these if required.
2. To set other actions for the F1 to F4 buttons:
 - a. Tap the required Setting button (**Setting A, Setting B, Setting C, Setting D**).
 - b. Tap the drop-down arrow for each of the F1 to F4 buttons in turn, and select the required action from the list.

2 Getting started

- c. If you want to select a program other than those in the drop-down list, tap **Detail** next to the required 'F' button, then tap the **Browse** icon in the top field to browse to the program you want to assign. Select the required program then tap **Open**. Tap in the *Remark* field, then enter a name for the program.
 - d. When you have selected all the required actions, tap **Save**.
3. Tap **EXIT** to close the utility.

You can restore default settings for each Setting (A, B, C, or D):

1. Launch the utility, then tap **Button Setting**.
2. Tap the Setting button (**Setting A**, **Setting B**, **Setting C**, **Setting D**) for which you want to restore the default settings.
3. Tap **Default**, then tap **Save**.
4. Tap **EXIT** to close the utility.

To discard any changes you made, tap **Cancel**.

To exit the utility, tap **EXIT**.

To invoke the additional functions for the F1 to F4 buttons, press the **Fn** button on the front right of the tablet computer. By default, the actions under *Setting A* apply. When you press **Fn**, the details for the next *set* display. Keep pressing **Fn** to cycle through the sets as required; press the required 'F' button to invoke its command.

Managing power

- [Removing / swapping the battery](#)
- [Checking the charge level of the battery](#)
- [Power management and power-saving tips](#)

Your tablet computer operates either on external AC power or on battery power. This chapter tells you how you can effectively manage power. To maintain optimal battery performance, it is important that you use the battery in the proper way.

The operating time of a fully charged battery pack depends on how you use the tablet computer. When you use applications that often access peripherals, or when you stay connected to a wireless network, the operating time of the battery may be shortened.

WARNING:

- Do not disassemble the battery pack. There are no user-serviceable parts inside. Do not use a battery that is not designed to be used with this device. Doing so may present risk of exposure to harmful chemicals, explosion or fire.
- Contact your local waste disposal service provider regarding the disposal or recycling of used battery packs.

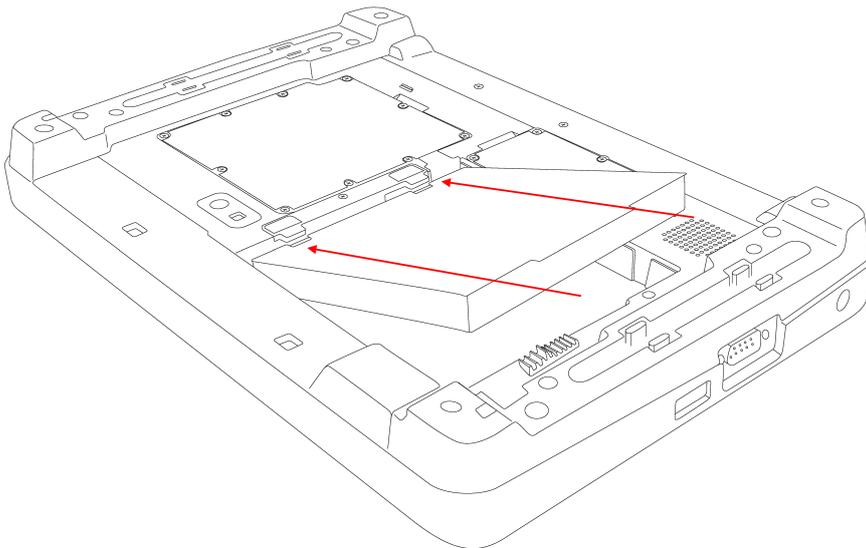
Removing / swapping the battery

If you rely on battery power for a long period of time, consider purchasing an extended life battery or an additional standard battery to use for backup.

The tablet computer is fitted with an internal battery that maintains normal operation for a reasonable period of time while the external battery is changed. However, Trimble still recommends that you save all work before you replace the external battery.

To replace the battery with a battery that has been charged outside of the device, do the following:

1. Disconnect the tablet computer from the AC power.
2. Unlock the battery compartment (slide the battery lock to the *unlocked* paddlock position), and remove the battery.
3. Insert the replacement battery, and lock the battery in place (slide the battery lock to the *locked* paddlock position).



You **MUST** lock the battery in place; the battery charge status on the *Desktop* displays an error if the battery is not locked in, and, if the tablet computer is turned off, it will not turn on.

Checking the charge level of the battery

To check the level of battery charge, on the Desktop, tap the Battery icon in the *Notifications* bar at the bottom right of the screen.

Power management and power-saving tips

The power management feature helps reduce power consumption extending battery life.

The tablet computer supports ACPI (Advanced Configuration and Power Interface) for power management. Power supply to different components is controlled on an as-needed basis. This allows maximum power conservation and performance at the same time.

The Windows operating system comes with pre-defined *Power Options* (*Balanced*, *Power Saver*, and *High Performance*) for you to select. To access *Power Options*:

1. On the *Desktop*, tap the Battery icon in the *Notifications* bar at the bottom right of the screen, then tap *Power & sleep settings*.
2. Make sure *Power & sleep* is selected in the list on the left, then under *Related settings*, tap *Additional power settings*.

By default, the tablet computer is in *Balanced Mode*.

For detailed information on power management, see Windows Help.

Here are some practical suggestions that you can do to maximize the operating time of the battery:

- Enable Power Management. Choose a power plan that saves power. A power plan is a collection of hardware and system settings that control how the tablet computer manages power.
- Decrease the display brightness to the lowest comfortable level.
- Shorten the length of time before the Windows operating system turns off the display.
- Many USB devices use power just by being connected. If you use a USB flash drive, unplug it when you are not using it.
- Turn off the wireless radios when you are not using them. See [Connecting to and communicating with other devices, page 25](#).
- Turn off the tablet computer when you are not using it. See [Turning your tablet computer on and off, page 17](#).

Connecting to and communicating with other devices

- [Connecting to external audio devices](#)
- [Connecting to USB devices](#)
- [Connecting to RS-232 devices](#)
- [Working with Wi-Fi \(802.11\)](#)
- [Working with Bluetooth](#)
- [Using a cellular network](#)
- [Using Airplane mode](#)

The tablet computer offers multiple methods of connecting to and communicating with other devices.

Not all the features apply to every tablet computer configuration, as some of the features are offered as options.

Connecting to external audio devices

The tablet computer has one combo audio connector that supports both audio in and audio out devices. You can connect speakers, headphones, or earphones.

To connect an audio device, plug the device cable into the audio connector on the left side of the tablet computer.

Use the Windows operating system sound settings to adjust audio performance:

- To quickly adjust the volume, tap the speaker icon in the *Notifications* bar then move the volume slider as required.
- To access more sound settings:
 - a. Tap and hold  to bring up the right-click menu, then tap *Control Panel*.
 - b. Select *View by: Large icons*, or *Small icons*, then tap *Sound*.

Connecting to USB devices

The tablet computer has two USB ports for connecting USB devices, such as a flash drive, scanner, printer, keyboard, and mouse. The tablet computer has built-in support for mass storage devices and human interface devices.

Other types of USB devices may require drivers.

To connect a USB device, plug the device cable into one of the USB ports on either side of the tablet computer.

Connecting to RS-232 devices

The tablet computer has one RS-232 connector port on the right side of the device.

To connect an RS-232 device, plug the device cable into the port.

Refer to the documentation for the RS-232 device for instructions on setting up and using the device.

Working with Wi-Fi (802.11)

The tablet computer comes with built-in Wi-Fi (also called Wireless LAN (WLAN) or 802.11) capability; you can connect to available access points or hot spots to wirelessly transmit data to and from the tablet computer.

To turn Wi-Fi on and connect to a Wi-Fi network:

1. Tap  / *Settings* / *Network & Internet*. The NETWORK & INTERNET page displays. All Wi-Fi networks that are in range are listed.
2. Move the On/Off slider to On.
3. To connect to a Wi-Fi network, tap it. If required, enter a username and password.

If required, you can also set the tablet computer to connect to a network automatically when it is in range. Tap the network (when not connected to it) then select *Connect automatically*.

To disconnect from a Wi-Fi network, tap the network that you are connected to, then tap **Disconnect**.



Tip – To quickly connect to a Wi-Fi network, tap the Wi-Fi icon in the Notifications bar at the bottom right of the screen. Then tap the Wi-Fi button. A list of available networks displays; tap the network you want to connect to. To quickly disconnect from a Wi-Fi network, tap the Wi-Fi icon in the Notifications bar at the bottom right of the screen. Then tap the Wi-Fi button (which displays the name of the network you are connected to).

To remove a Wi-Fi network from the tablet computer:

1. Tap  / *Settings* / *Network & Internet*.
2. Tap *Manage Wi-Fi Settings*.
3. At the bottom of the screen under *Manage known networks*, tap the Wi-Fi network you want to remove from the tablet computer, then tap **Forget**.

To view the properties and data usage details of the Wi-Fi network you are connected to:

1. Make sure you are connected to the Wi-Fi network, as described above.
2. On the NETWORK & INTERNET page, tap *Advanced options* to display the WI-FI details page.

To save battery power, turn the Wi-Fi radio off when you are not using it.

Note – *Wi-Fi is off by default; however the on/off state will persist after a reset.*

Working with Bluetooth

The tablet computer has embedded Bluetooth wireless technology—a short-range wireless communication technology that exchanges information over a distance of up to 10 meters (30 feet), without requiring a physical connection.

To turn Bluetooth on and off:

1. Tap  / *Settings* / *Network & Internet*. The NETWORK & INTERNET page displays.
2. Tap Airplane mode.
3. Under *Wireless devices*, move the Bluetooth On/Off slider as required.

When the Bluetooth wireless radio is on, the Bluetooth icon  appears in the *Notifications* bar at the bottom right of the screen (you may need to tap the [up arrow] to show it).

To access Bluetooth options, tap the Bluetooth icon  in the *Notifications* bar. From here you can:

- Open Bluetooth settings. The *Bluetooth Settings Options* tab enables you to set the tablet computer to be discoverable, and turn on Bluetooth notifications.
- Send or receive a file.
- Manage Bluetooth devices.

Before you can connect the tablet computer to other Bluetooth devices for the first time, you must pair the tablet computer and the device:

1. Tap the Bluetooth icon  in the *Notifications* bar, then tap *Add a Bluetooth Device*.
2. On the *Manage Bluetooth devices* screen, make sure Bluetooth is on.
3. Make sure the device you want to pair with has Bluetooth Discovery mode enabled.
4. The tablet computer searches for and lists all the Bluetooth-enabled devices discovered within range. In the list, tap the device you want to pair with, then tap **Pair**.
5. On the other device, a message appears informing you that the tablet computer is trying to connect to it. Compare the passcodes on both devices, and click / tap **Yes** on both devices.

When you have paired the tablet computer with another Bluetooth-enabled device, you can connect to it to send and / or receive files:

1. Tap the Bluetooth icon  in the *Notifications* bar.
2. On the pop-up menu, do one of the following:
 - Tap *Send a file* then select the device you want to send a file to (this device must be set to allow the file to be received). Tap **Next**, then browse to the file you want to send. Select the file, then click **Next**.
 - Tap *Receive a file*. Follow the on-screen instructions.

Using a cellular network

Some models of the tablet computer have Wireless WAN for cellular data connections.

To use a cellular network, you must have a SIM card with a data subscription. For instructions on inserting a SIM card, see [Inserting a SIM card, page 13](#).

Note – When browsing the internet using the cellular connection, you must turn off the Wi-Fi radio or the wireless connection will default to Wi-Fi.

Note – Applications or services that send or receive data over a cellular network may incur additional fees. Contact your carrier for information about your service plan and fees.

Use the Skylight app to configure and use the Wireless WAN.

1. On the Desktop, tap **Skylight**. The device automatically searches for your network.
2. If the device is not set to connect automatically, tap **Connect**.

To change the device to connect automatically, tap [Click here to change your connection/APN settings](#). In the list on the left, make sure *Profiles* is selected, then tap the *Autoconnect* dropdown list and select *While not roaming* or *Always (even while roaming)*, as required.

3. Do any of the following:

- Tap  to launch Internet Explorer and browse web pages.
- Tap  to open SMS Express messaging.
- Tap  to configure your cellular data connection and SIM security.

Using Airplane mode

Use Airplane mode to turn on or off all wireless radios:

1. Tap  / *Settings* / *Network & Internet*. The NETWORK & INTERNET page displays.
2. Tap *Airplane mode*.
3. Move the On/Off slider to On to enable Airplane mode and turn off all wireless radios.



Tip – To quickly enable or disable Airplane mode, tap the Wi-Fi icon in the Notifications bar at the bottom right of the screen. Then tap the Airplane mode button. When it is grey, Airplane mode is turned off. When it is blue, Airplane mode is turned on and the wireless radios are disabled.

Working with the camera

- [Taking a photo or recording video](#)
- [Camera settings](#)
- [Working with photos and videos](#)

The tablet computer has an integrated 8MP digital camera.

The camera has two capture modes: Photo mode and Video mode. By default, the camera opens to Photo mode.

Photos can be captured with GPS location data.

Taking a photo or recording video

1. Tap  / *All Apps* / *Camera* to launch the Windows Camera app.
2. Do one of the following:
 - To capture a photo, make sure *Photo mode* is selected (this is the default). Focus on your subject, then tap the camera icon on the right side of the screen to capture the photo.
 - To capture a video, make sure *Video mode* is selected; tap the small video recorder icon on the right side of the screen to switch to Video mode. Focus on your subject, then tap the video recorder icon on the right side of the screen to start recording. The video recorder icon turns blue, and a timer shows at the bottom of the screen. When you are finished recording, tap the video recorder icon to stop recording.

Photos and videos are stored in the *Pictures* library, in *Camera Roll*.

You can view, edit and delete photos from within the Camera app, or from the *Pictures* library.

You can view and delete videos from within the Camera app, or from the *Pictures* library.

Camera settings

1. Tap  / *All Apps* / *Camera* to launch the Windows Camera app.
2. To access the camera settings, tap ... in the top right corner of the screen, then tap **Settings**.

To hide the Camera settings, tap elsewhere on the screen.

To allow the Camera app to access your location to geo-tag photos:

1. Under *Related settings*, tap *Choose whether camera can use location info*.
2. Tap **Yes** to confirm you want to switch apps.
3. In the PRIVACY screen, make sure *Location* is selected, then slide the *Location* switch to On.
4. Close the Settings app to return to the Camera app.

Working with photos and videos

To view, edit, or delete photos, do any of the following:

- Tap  / *Pictures / Camera Roll*, then open the photo you want to work with.
- From within the *Camera* app, swipe left or right to scroll to the photo you want to work with.
- From within the *Camera* app, tap the *Pictures & Videos* icon in the top left corner of the screen, then open the photo you want to work with.

A toolbar displays in the top right corner of the screen. The following tools are available:

- **Share.**
- **Slideshow.** Tap to start a slideshow of the photos (and videos) in the *Camera Roll*. To stop the slideshow, tap the screen.
- **Edit.** When you tap **Edit**, further options display on the left and right of the screen. The options on the right of the screen change depending on the option you select on the left of the screen.
 - **Basic fixes.** Tap to access the following tools:
 - **Enhance.**
 - **Rotate.** One tap rotates the photo 90 degrees clockwise.
 - **Crop.** Tap to display a crop frame on the photo. Drag the corners of the frame to the area you want to crop. If the photo is larger than the crop frame, you can also drag the photo to move the frame over different parts of the photo. To change the ratio of the frame, tap **Aspect ratio** at the top of the screen then select the required value from the list. Tap **Apply** to crop the photo.
 - **Straighten.** Tap and hold, then drag the marker round the dial to adjust the photo's straightness.
 - **Red eye.**
 - **Retouch.**
 - **Filters.** Select the required filter to apply, as displayed on the right.
 - **Light.** Tap to display controls for **Brightness**, **Contrast**, **Highlights**, and **Shadows**. Tap and hold the required control, then drag the marker round the dial to set the required level.
 - **Colour.** Tap to display controls for:
 - **Temperature**, **Tint**, and **Saturation.** Tap and hold the required control, then drag the marker round the dial to set the required level.
 - **Colour boost.** Tap the tool, then tap the required area on the screen, then drag the marker round the dial to set the required level.

- **Effects.** Tap to access controls for:
 - **Vignette.** Tap and hold the required control, then drag the marker round the dial to set the required level.
 - **Selective focus.** Tap to display a frame on the photo to focus the photo in that area. Drag the markers on the frame to resize it or change its shape. Tap **Blur** at the top of the screen to change the focus strength. Tap **Apply** to save you changes.

To undo or redo any changes, tap *Undo* or *Redo* at the top of the screen.

To save any changes you have made, tap *Save a copy* or *Save* at the top of the screen.

To cancel any edits or to exit *Edit* mode, tap *Cancel* at the top of the screen.

- **Rotate.**
- **Delete.**
- **...** Tap to access further options: Open with, Copy, Print, Set as (lock screen, background, Photos tile).

To view or delete videos, do any of the following:

- Tap  / *Pictures* / *Camera Roll*, then open the video you want to work with.
- From within the *Camera* app, swipe left or right to scroll to the video you want to work with.
- From within the *Camera* app, tap the *Pictures & Videos* icon in the top left corner of the screen, then open the video you want to work with.

Do any of the following:

- To play the video, tap the arrow on the screen. To pause, tap the screen.
- Drag the slider at the bottom of the screen to rewind or fast-forward through the video.
- Use the toolbar in the top right corner of the screen to:
 - **Share** the video.
 - Play a **Slideshow**. Tap to start a slideshow of the videos (and photos) in the *Camera Roll*. To stop the slideshow, tap the screen.
 - **Trim** the video.
 - **Delete** the video.
 - Tap **...** to access **Open with** and **Copy** options.

Working with GNSS

- [Using the Trimble GNSS Setup app](#)

The tablet computer has a GNSS (Global Navigation Satellite System) receiver module built in and includes the Trimble GNSS Setup app.

Using the Trimble GNSS Setup app

The tablet computer has an internal GNSS receiver. Use the GNSS Setup app which is pre-installed on the tablet computer to configure the GNSS receiver.

The GNSS receiver supports the following GNSS constellations:

- GPS
- GLONASS
- BeiDou
- QZSS / QZSS L1 SAIF

SBAS is also supported.

Note – *You cannot use GLONASS and BeiDou at the same time.*

Using BIOS setup and system recovery

- [When to use the BIOS setup utility](#)
- [Accessing the BIOS Setup utility](#)
- [Setting a supervisor password](#)

BIOS Setup utility is a program used to configure the BIOS (Basic Input/ Output System) settings of the tablet computer. The BIOS is a layer of software, called firmware, that translates instructions from other layers of software into instructions that the tablet computer hardware can understand. It enables you to configure system settings, such as Boot and AP menus, as well as basic settings. The tablet computer uses the BIOS settings to identify the types of installed devices and establish special features.

When to use the BIOS setup utility

You need to run BIOS Setup utility when:

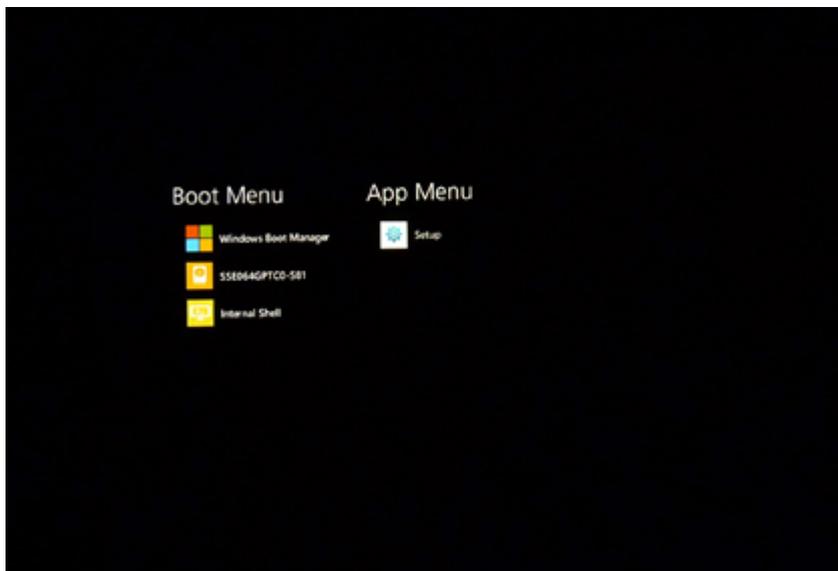
- You want to restore the factory default BIOS settings.
- You want to modify specific hardware settings.
- You want to modify specific settings to optimize the system performance.

Accessing the BIOS Setup utility

1. To run the BIOS Setup utility, do one of the following:

- If the tablet computer is off, press the **Power** button to turn on the tablet computer. The power LED lights up. Quickly press and hold the **Windows** button until the *BIOS Post* screen displays.
- If the tablet computer is on, press the **Power** button to turn off the tablet computer. Then press and hold the **Windows** button until the *BIOS Post* screen displays.

(Note that due to the fast boot up and boot down time, there is only a small time frame of a few seconds between the release of the **Power** button and the opportunity to press the **Windows** button.)



2. Tap *Setup* under *App Menu* to open the BIOS Setup utility. The *App Menu* screen displays.



The BIOS Setup utility has the following menus:

- The *Main* menu contains the system date and system time settings and boot features, and shows the basic system information.
- The *Advanced* menu contains the settings for:
 - *System Component*
 - *Miscellaneous Configuration*
 - *Security Configuration*
- The *Security* menu contains settings for:
 - *Passwords*
 - *TPM (Trusted Platform Module)*: Enables or disables support for security devices
- The *Boot* menu sets the boot order of devices.
- The *Save & Exit* menu displays ways of exiting the BIOS Setup utility. When you have modified any settings, you must save and exit for the changes to take effect:
 - *Exit Saving Changes*: Saves the changes you have made and exits the BIOS Setup utility.
 - *Exit Discarding Changes*: Exits the BIOS Setup utility without saving the changes you have made.
 - *Load Setup Defaults*: Restores the default values of all items.
 - *Discard Changes*: Restores the previous values of all items.
 - *Save Changes*: Saves the changes you have made.

For more information, see the following sections:

- [Setting a supervisor password, page 39](#)
- [Updating BIOS, page 1](#)
- [Updating EC, page 1](#)

Setting a supervisor password

You can set a supervisor password, which will be required to access the BIOS Setup utility.

1. In the BIOS Setup utility, tap *Security / Account's Password Status*.
2. Tap **Enter** next to *Set Supervisor Password* to access the virtual keyboard.
3. Type in the password to use for the Supervisor profile, then tap **Enter**.
4. Type in the same password again to verify it, the tap **Enter** to confirm the password.
5. Tap *Home* at the bottom of the screen, then tap *Save & Exit*.
6. Tap **Exit Saving Changes** to display the confirmation screen, then tap **Yes**.

To change the supervisor password:

1. In the BIOS Setup utility, tap *Security / Account's Password Status*.
2. Tap **Enter** next to *Set Supervisor Password* to access the virtual keyboard.
3. Type in the current supervisor password, then tap **Enter**.
4. Type in the new password, then tap **Enter**
5. Type in the same password again to verify it, the tap **Enter** to confirm the new password.
6. Tap *Home* at the bottom of the screen, then tap *Save & Exit*.
7. Tap **Exit Saving Changes** to display the confirmation screen, then tap **Yes**.



CAUTION - A supervisor password can not be reset. In the event that you forget the supervisor password, you must reflash the BIOS to enter the BIOS menus. See [Updating BIOS, page 1](#).

Troubleshooting

Following are answers to some frequently asked questions. If you encounter problems when using the tablet computer, try the following troubleshooting tips first to detect and solve the problem.

Many faults can also be cleared by removing the batteries and AC power connections for several seconds. Then re-install the batteries, connect the AC power and then turn on the tablet computer again.

If problems persist, contact customer support.

Why is the battery not charging?

- Make sure both battery locking latches are correctly positioned.
- Make sure the AC adapter is properly connected.
- Make sure the battery is not too hot or too cold.
- Make sure the battery is installed correctly.
- Make sure the battery terminals are clean.
- The tablet computer may have come from an outdoor environment which exceeds the charging ambient temperature. Wait a while for the battery pack to reach the appropriate room temperature, and it will start charging.

Why won't the tablet computer start up?

Check that the battery lock is engaged (see [Removing / swapping the battery, page 23](#)).

If this does not resolve the issue, perform these steps:

1. Remove the battery.
2. Disconnect the external power source.
3. Re-install the battery.
4. Connect the external power source.
5. Try to start the tablet computer again.

Why is the screen blank?

- 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 (see [Power management and power-saving tips, page 24](#)).

Why did the screen suddenly go blank during use, and the Power LED turned off?

- Make sure the AC adapter is properly connected.
- The battery may be depleted. Replace or charge the battery.

How do I to keep my battery from failing during a job?

Consider carrying a fully charged spare battery in the field. The device is designed so that battery replacement can be easily done (see [Removing / swapping the battery, page 23](#)).

Why can I not use Wi-Fi?

Make sure that Wi-Fi is turned on. See [Working with Wi-Fi \(802.11\)](#), page 26.

Why is the Wi-Fi signal quality poor?

- The tablet computer may be out of range; move it closer to the access point or another Wi-Fi 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.

Why can I not connect to another Wi-Fi device?

- Make sure that Wi-Fi is turned on. See [Working with Wi-Fi \(802.11\)](#), page 26.
- Make sure that the SSID setting is the same for every Wi-Fi device in the network.
- Restart the tablet computer.
- Make sure the IP address or subnet mask setting is correct.

Why can I not connect to another device with Bluetooth?

Make sure that:

- both devices have Bluetooth turned on.
- the distance between the two devices is within 10 meters (30 feet) and there are no walls or large obstructions between the devices.
- both devices are turned on and are configured to be discoverable.
- both devices are compatible.

See [Working with Bluetooth](#), page 27.

How do I delete files?

Open File Explorer and browse to the file to be deleted. Touch and hold on the file and tap *Delete* from the menu that appears.

How can I make the display more viewable?

- Go to *Settings / System*, and select *Display*. You can adjust the display brightness and resolution.
- Select an appropriate Power option. See [Power management and power-saving tips](#), page 24.
- Confirm that you have only one screen protector in place.

Why do I have no sound?

- Tap the Volume control in the *Notifications* bar of the *Desktop* to adjust the volume of the tablet computer.
- If using an external audio device, make sure that the cable is properly connected.

Safety Information

- Caring for your device
- Safe use of your device
- Environmental considerations and specifications
- Telecommunications & Internet Association (TIA) information
- Exposure to Radio Frequency (RF) Signals
- Hardware specifications



WARNING- Before you use this product, make sure that you have read and understood all safety requirements. Failure to follow these safety instructions could result in fire, electric shock, or other injury, or damage to the tablet computer or other property.

Caring for your device

Cleaning the device

Turn off the device. Use a soft, dampened cloth with either water or a diluted mild detergent. If a mild detergent is used, ensure all soap residue is removed. Do not use any chemical cleaners and do not put the device in the dishwasher.

Care of the touchscreen

Use only your finger or the included capacitive stylus or other devices specifically designed for use with touchscreens.

The use of ballpoint pens, nails or other sharp objects to operate the touchscreen will scratch and/or damage the device. Keep the touchscreen clean by gently wiping the display, using a soft, dampened cloth with either clean water or glass cleaner.

Do not use abrasive cleaners directly on the display. Doing so may void your warranty. Use the screen protectors included with the device to keep the touchscreen clean and protected, following the instructions provided on the screen protector package

Mechanical shock

The device is designed to resist damage for drops up to 122 cm (4 feet). However, you should protect the display from impact, pressure, or abrasive substances that can scratch it or crack it. The device should not be dropped unnecessarily.

Safe use of your device

Repair

Do not attempt to dismantle the device for repair. There are no user-serviceable parts inside. For service, contact your local Trimble dealer.

Battery safety

Lithium-Ion batteries are classified by the U. S. Federal Government as non-hazardous waste and are safe for disposal in the normal municipal waste stream. These batteries contain recyclable materials and are accepted for recycling. Dispose of used batteries in accordance with local regulations.

- Do not disassemble or open, crush, bend or deform, puncture, or shred the battery. There are no user-serviceable parts in the battery pack.

- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard. Do not expose to temperatures above +158 °F (+70 °C)
- Use only the battery for the system for which it was specified.
- Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard. Use of an unqualified battery may present a risk of fire, explosion, leakage, or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Non approved batteries will not function in the device.
- Avoid dropping the device or battery. If dropped, especially on a hard surface, and the user suspects damage to the battery, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion, or other hazard.
- In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.
- Seek medical advice immediately if a battery has been swallowed.

Power supply safety

Use only AC and vehicle adapters intended for the device. Other external power sources may damage your product and void the warranty. .

- Ensure the input voltage on the adapter matches the voltage in your location. Ensure the adapter has prongs compatible with your outlets.
- The power supply is designed for indoor use only. Avoid using the power supply in wet areas.
- Unplug the power supply from power when not in use.
- Do not short the output connector.

Environmental considerations and specifications

The device's rugged design allows you to run your applications in harsh outdoor environments. Here are some considerations that will help you get the most out of your device when working in very wet, hot or cold conditions.

Rated IP65, the device is:

- is resistant to accidental drops (up to 1.22 m / 4 ft)
- is resistant to random vibration/knocks
- is resistant to high and low frequency vibration
- is resistant to solar exposure
- is resistant to temperature shock
- is resistant to chemical exposure
- is resistant to / operable in water and dust exposure
- has an operating temperature range of -30 °C to +55 °C (-22 °F to +130 °F)
- has an operating altitude range of 0 – 4572 m (0 – 15,000 ft)
- has a relative humidity operating range of 0 – 95%

The operational temperature range for the WWAN units is from -20 °C to +55 °C (-4 °F to +130 °F). Although the device is designed to be rugged, do not leave it in direct sunlight or in a vehicle in the sunlight for extended periods.

Batteries perform best at room temperature. The battery has a stable capacity as temperatures rise; however, the colder the temperature, the greater the reduction in available battery life. Under very cold conditions (-20 °C / -4 °F and below), the battery life will be shortened. To improve the battery performance in very cold conditions, consider carrying a fully charged, spare battery in a warm place (for instance, keeping them inside your coat). The device is designed for battery replacement to be easily done.

Telecommunications & Internet Association (TIA) information

Hearing Aids: Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

Pacemakers and Other Medical Devices: The Health Industry Manufacturers Association recommends a minimum separation of six inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should use the ear opposite the

pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn the phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Exposure to Radio Frequency (RF) Signals

This device is compliance with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for operations with the device contacted directly to the human body to the back side of the EUT. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitted antenna during transmitting.

The device contains a radio transmitter and receiver. The radiated output power is far below the international radio frequency exposure limits. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992.
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986.
- Int'l Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996.
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance. To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards; always use your device only in its normal-use position. Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance.

Hardware specifications

Operating system	Windows® 10 Enterprise
Processor	BayTrail-I E3826 1.46GHz
RAM (Volatile)	4 GB or 8 GB
Flash storage	64, 128, or 256 GB SSD
Display	10.1" (1920X1200) w/Corning Gorilla glass
Battery	49 Wh (standard) 98 Wh (extended)
I/O BOOTS	3.5 mm audio jack, RS232, USB host (2x), docking station I/O, DC power input
Sound	Integrated speaker. Audio jack is for a headset with microphone
Wireless communications	WLAN 802.11 a/b/g/n Bluetooth v4.0 WWAN LTE 4G (optional) 2.4 GHz Radio (optional)

Legal notices

- Declaration of conformity
- Recycling information
- Regional compliance information
- Warranty
- End User License Agreement for Product Software

Declaration of conformity

Europe

According to ISO / IEC Guide 22 and EN 450 14

Manufacturer's Name: Trimble Navigation Limited.

Manufacturer's Address: PO Box 947, Corvallis, OR 97339 USA

Declares, under our sole responsibility, that the product:

Product Name: Rugged Tablet Computer

Model Number: 104961, 104962, 104963, 104964, 104965

Conforms to the following Product Specifications:

R&TTE Directive 1999/5/EC ETSI EN 300 328 V1.8.1 (2012-06) ETSI EN 301 489-1 V1.9.2 (20011-09)

ETSI EN 301 489-17 V2.2.1 (2012-09)

EN 55022: 2010+AC: 2011

EN 55024: 2010

EN 60950-1 (2001)

EN 61000-3-2: 2006+A2: 2009

EN 61000-3-3: 2013

Supplementary information

In addition, the product is battery powered and the power supply provided with this product has been certified to IEC 60950 +A1, A2, A3, A4, A11.

As manufacturer, we declare under our sole responsibility that the equipment follows the provisions of the Standards stated above.

Corvallis, OR USA

Importer of Record: Trimble European Regional Fulfillment Center, Logistics Manager, Meerheide 45, 5521DZ Eersel, Netherlands.

CAUTION: Only approved accessories may be used with this equipment. In general, all cables must be high quality, shielded, correctly terminated and normally restricted to two meters in length. Power supplies approved for this product employ special provisions to avoid radio interference and should not be altered or substituted.

Unapproved modifications or operations beyond or in conflict with these instructions for use may void authorization by the authorities to operate the equipment.

Recycling information

You should dispose of the tablet computer and accessories properly according to local laws and regulations. Because the tablet computer contains electronic components, it must be disposed of separately from household waste. When the tablet computer reaches its end of life, contact your local Trimble reseller to learn about disposal and recycling options for your area.

Recycling in Europe

The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For information about recycling Trimble WEEE (Waste Electrical and Electronic Equipment) products that run on electrical power go to http://www.trimble.com/corporate/about_WEEE_ROHS_initiatives.aspx.

To recycle Trimble WEEE products call +31 497 53 24 30, and ask for the "WEEE Associate". or mail a request for recycling instructions to:

Trimble Europe B.V. WEEE Recycling

C/O Menlo logistics

Gate 19 to 26

Meerheide 43

5521 DZ

Eersel

The Netherlands



Taiwan Battery Recycling Requirements

The product includes a Lithium-ion battery. Taiwanese regulations require that waste batteries are recycled. 廢電池請回收



Regional compliance information

Australia and New Zealand

This product conforms with the regulatory requirements of the Australian Communications and Media Authority (ACMA) Telecommunications, Radiocommunications and EMC Labelling Notices, thus satisfying the requirements for RCM marking and sale within Australia and New Zealand.



Europe

This Trimble product has been tested and found to comply with all requirements for CE Marking and sale within the European Economic Area (EEA).

The tablet computer has Bluetooth and wireless LAN approval and satisfies the requirements for Radio and Telecommunication Terminal Equipment specified by European Council Directive 1999/5/EC. These requirements provide reasonable protection against harmful interference when the equipment is operated appropriately in a residential or commercial environment.

The tablet computers is intended for connection to European Networks operating on GSM 900, or GSM 1800 MHz.



Canada

ICID: 5817A-7265NGW

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Industry Canada rules.

Les changements et modifications non expressément approuvés par le fabricant ou le détenteur de cet équipement peuvent annuler votre droit à utiliser cet appareil en vertu des règles d'Industrie Canada.

Antenna Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Licence exempt

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

Legal Information

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This Category II radio communication device complies with Industry Canada Standard RSS-310.

Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

IMPORTANT NOTE:

IC Radiation Exposure Statement

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator & your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. The County Code Selection feature is disabled for products marketed in the US/Canada.

IC SAR warning

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when installed in specific host products operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industrie Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce périphérique a été évalué et démontré conforme aux limites SAR (Specific Absorption Rate – Taux d'absorption spécifique) d'IC lorsqu'il est installé dans des produits hôtes particuliers qui fonctionnent dans des conditions d'exposition à des appareils portables.

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology. The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems; the maximum antenna gain permitted (for devices in the bands 5250-5350 MHz and 5470-5725 MHz) to comply with the e.i.r.p. limit; and The maximum antenna gain permitted (for devices in the band 5725-5850 MHz) to comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate, as stated in section A9.2(3). In addition, High-power radars are allocated as primary users (meaning they have priority) of the band 5250-5350 MHz and this radar could cause interference and/or damage to LE-LAN devices.

U.S.

FCC ID:S9E-7265NGW

FCC Compliance 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. 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.

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 communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment 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.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

The radios in this device have been designed and manufactured to not exceed stipulated emission limits for exposure to radio frequency (RF) energy as required by the Federal Communications Commission of the U.S. Government 47 C.F.R. § 2.1091 and 2.1093.

The external antenna connector provided in this device is for GNSS antennas only.

Operation on the 5.15-5.25GHz frequency band is restricted to indoor use only. The FCC requires indoor use for the 5.15-5.25GHz band to reduce the potential for harmful interference to co-channel Mobile Satellite Systems. Therefore, it will only transmit on the 5.25-5.35 GHz, 5.47-5.725 GHz and 5.725–5.850 GHz band when associated with an access point (AP).

CE

a. Caution:

- Risk of explosion if battery replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

b. Make sure the temperature for adapter will not be higher than 40 °C.

Warranty

Product Limited Warranty

Subject to the terms and conditions set forth herein, Trimble Navigation Limited (“Trimble”) warrants that for a period of (1) year from date of purchase this Trimble product (the “Product”) will substantially conform to Trimble’s publicly available specifications for the Product and that the hardware and any storage media components of the Product will be substantially free from defects in materials and workmanship.

Product Software

Product software, whether built into hardware circuitry as firmware, provided as a standalone computer software product, embedded in flash memory, or stored on magnetic or other media, is licensed solely for use with or as an integral part of the Product and is not sold. The terms of the end user license agreement, as included below, govern the use of the Product Software, including any differing limited warranty terms, exclusions and limitations, which shall control over the terms and conditions set forth in the limited Product warranty.

Warranty Remedies

If the Trimble Product fails during the warranty period for reasons covered by this limited warranty and you notify Trimble of such failure during the warranty period, Trimble will repair OR replace the nonconforming Product with new, equivalent to new, or reconditioned parts or Product, OR refund the Product purchase price paid by you, at Trimble’s option, upon your return of the Product in accordance with Trimble’s product return procedures then in effect.

How to Obtain Warranty Service

To obtain warranty service for the Product, it is recommended you contact your Trimble dealer. Alternatively, you may contact Trimble to request warranty service by emailing Repair_Services@Trimble.com. Please be prepared to provide:

- your name, address, and telephone numbers;
- product name, Part Number and Serial Number
- proof of purchase; and
- an explanation of the problem.

The customer service representative may need additional information from you depending on the nature of the problem.

Warranty Exclusions and Disclaimer

This Product limited warranty shall only apply in the event and to the extent that (i) the Product is properly and correctly installed, configured, interfaced, maintained, stored, and operated in accordance with Trimble’s applicable operator’s manual and specifications, and; (ii) the Product is not modified or misused. This Product limited warranty shall not apply to, and Trimble shall not be responsible for, defects or performance problems resulting from (i) the combination or utilization of the Product with hardware or software products, information, data, systems, interfaces, or devices not made, supplied, or specified by Trimble; (ii) the operation of the Product under any specification other than, or in addition to, Trimble’s standard specifications for its products; (iii) the unauthorized installation, modification, or use of the Product; (iv) damage caused by: accident, lightning or other electrical discharge, fresh or salt water immersion or spray (outside of Product specifications); or exposure to environmental conditions for which the Product is not intended; (v) normal wear and tear on consumable parts (e.g., batteries); or (vi) cosmetic damage. Trimble does not warrant or guarantee the results obtained through the use of the Product or Software, or that software components will operate error free.

NOTICE REGARDING PRODUCTS EQUIPPED WITH TECHNOLOGY CAPABLE OF TRACKING SATELLITE SIGNALS FROM SATELLITE BASED AUGMENTATION SYSTEMS (SBAS) (WAAS, EGNOS, GAGAN, MSAS AND LUCH), OMNISTAR, BEIDOU, GPS, GALILEO OR GLONASS SATELLITES, OR FROM IALA BEACON SOURCES: TRIMBLE IS NOT RESPONSIBLE FOR THE OPERATION OR FAILURE OF OPERATION OF ANY SATELLITE BASED POSITIONING SYSTEM OR THE AVAILABILITY OF ANY SATELLITE BASED POSITIONING SIGNALS.

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NOTE: THE ABOVE TRIMBLE LIMITED WARRANTY PROVISIONS WILL NOT APPLY TO PRODUCTS PURCHASED IN THOSE JURISDICTIONS (E.G., MEMBER STATES OF THE EUROPEAN ECONOMIC AREA) IN WHICH PRODUCT WARRANTIES ARE THE RESPONSIBILITY OF THE LOCAL DEALER FROM WHOM THE PRODUCTS ARE ACQUIRED. IN SUCH A CASE, PLEASE CONTACT YOUR TRIMBLE DEALER FOR APPLICABLE WARRANTY INFORMATION.

Notice to Australian Purchasers On The Australian Consumer Law

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Legal Information

Trimble's warranty, as set out in the user manual accompanying this statement, or as described in the warranty card accompanying the Product you purchased, is in addition to any mandatory rights and remedies that you may have under the Australian Consumer Law.

Official Language

THE OFFICIAL LANGUAGE OF THESE TERMS AND CONDITIONS IS ENGLISH. IN THE EVENT OF A CONFLICT BETWEEN ENGLISH AND OTHER LANGUAGE VERSIONS, THE ENGLISH LANGUAGE SHALL CONTROL.

End User License Agreement for Product Software

IMPORTANT, READ CAREFULLY. THIS END USER LICENSE AGREEMENT ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU AND Trimble Navigation Limited ("Trimble") and applies to the computer software provided with the Trimble product purchased by you (whether built into hardware circuitry as firmware, embedded in flash memory or a PCMCIA card, or stored on magnetic or other media), or provided as a stand-alone computer software product, and includes any accompanying written materials such as a user's guide or product manual, as well as any "online" or electronic documentation ("Software" or "Product Software"). This EULA will also apply to any Software error corrections, updates and upgrades subsequently furnished by Trimble, unless such are accompanied by different license terms and conditions, which will govern their use. You have acquired a Trimble Product ("Device") that includes Software, some of which was licensed by Trimble from Microsoft Corporation or its affiliates (collectively "Microsoft"). The Software licensed from Microsoft, as well as associated updates, supplements, internet-based services and support services, media, printed materials, and "online" or electronic documentation ("Microsoft Software"), are protected under this EULA. The Software is also protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Software is licensed, not sold.

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This EULA does not grant you any rights with respect to the Windows Mobile Device Center, Microsoft ActiveSync or Microsoft Outlook 2007 Trial which are subject to the licenses accompanying those items.

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1.5 Digital Certificates. The Software uses digital certificates in X.509 format. These digital certificates are used for authentication.

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Legal Information

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1.10 Additional Software/Services. The Device Software may permit Trimble, Microsoft, their affiliates and/or their designated agent to provide or make available to you Software updates, supplements, add-on components, or Internet-based services components of the Software after the date you obtain your initial copy of the Software ("Supplemental Components").

1.10.1 If Trimble provides or makes available to you Supplemental Components and no other end user license agreement terms are provided along with the Supplemental Components, then the terms of this EULA shall apply.

1.10.2 If Microsoft, its affiliates and/or its designated agent makes available Supplemental Components, and no other end user license agreement terms are provided, then the terms of this EULA shall apply, except that the Microsoft entity or affiliate entity providing the Supplemental Component(s) shall be the licensor of the Supplemental Component(s).

1.10.3 Trimble, Microsoft and each of their affiliates and/or their designated agents reserve the right to discontinue any Internet-based services provided to you or made available to you through the use of the Device Software.

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1.12 Other Rights and Limitations. (1) The Software contains valuable trade secrets proprietary to Trimble and its suppliers. To the extent permitted by relevant law, you shall not, nor allow any third party to copy, decompile, disassemble or otherwise reverse engineer the Software, or attempt to do so, provided, however, that to the extent any applicable mandatory laws (such as, for example, national laws implementing EC Directive 91/250 on the Legal Protection of Computer Programs) give you the right to perform any of the aforementioned activities without Trimble's consent in order to gain certain information about the Software for purposes specified in the respective statutes (i.e., interoperability), you hereby agree that, before exercising any such rights, you shall first request such information from Trimble in writing detailing the purpose for which you need the information. Only if and after Trimble, at its sole discretion, partly or completely denies your request, may you exercise such statutory rights. (2) This Software is licensed as a single product. You may not separate its component parts for use on more than one computer nor make more copies of the software than specified in this EULA. (3) You may not rent, lease, or lend the Software. (4) No service bureau work, multiple-user license or time-sharing arrangement is permitted. For purposes of this EULA "service bureau work" shall be deemed to include, without limitation, use of the Software to process or to generate output data for the benefit of, or for purposes of rendering services to any third party over the Internet or other communications network. (5) You may make one backup copy of the Software. You may use it only to reinstall the Software on the Device. (6) You may transfer the Software only with the Device, the Certificate of Authenticity label, and these license terms directly to a third party. Before the transfer, that party must agree that these license terms apply to the transfer and use of the Software. You may not retain any copies of the Software including the backup copy. (7) The Software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the Software. These laws include restrictions on destinations, end users, and end use. For additional information see <http://www.microsoft.com/exporting>. (8) Without prejudice as to any other rights, Trimble may terminate this EULA without notice if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the Software and all of its component parts. (9) If the Microsoft Software includes speech recognition component(s), you should understand that speech recognition is an inherently statistical process and that recognition errors are inherent in the process. Neither Trimble, Microsoft, nor any of their suppliers shall be liable for any damages arising out of errors in the speech recognition process. (10) You may not publish the Software for others to copy. (11) You may not use the Software for commercial software hosting services.

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1.18 Microsoft has contractually obligated Trimble to include the following terms in this EULA:

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Not fault tolerant. The Software is not fault tolerant. Trimble installed the Software on the Device and is responsible for how it operates on the Device.

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Legal Information

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3.1 LIMITATION OF LIABILITY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL TRIMBLE OR ITS SUPPLIERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE, OR THE PROVISION OF OR FAILURE TO PROVIDE SUPPORT SERVICES, EVEN IF TRIMBLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY EXCLUSIVE REMEDY PROVIDED IN THIS EULA.

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4 GENERAL

4.1 This EULA shall be governed by the laws of the State of California and applicable United States Federal law without reference to "conflict of laws" principles or provisions. The United Nations Convention on Contracts for the International Sale of Goods will not apply to this EULA. Jurisdiction and venue of any dispute or court action arising from or related to this EULA or the Software shall lie exclusively in or be transferred to the courts the County of Santa Clara, California, and/or the United States District Court for the Northern District of California. You hereby consent and agree not to contest, such jurisdiction, venue and governing law.

4.2 Section 4.1 notwithstanding, if you acquired this product in Canada, this EULA is governed by the laws of the Province of Ontario, Canada. In such case each of the parties to this EULA irrevocably attorns to the jurisdiction of the courts of the Province of Ontario and further agrees to commence any litigation that may arise under this EULA in the courts located in the Judicial District of York, Province of Ontario. If you acquired this product in the European Union, this EULA is governed by the laws of The Netherlands, excluding its rules governing conflicts of laws and excluding the United Nations Convention on the International Sale of Goods. In such case each of the parties to this EULA irrevocably attorns to the jurisdiction of the courts of The Netherlands and further agrees to commence any litigation that may arise under this EULA in the courts of The Hague, The Netherlands.

4.3 Trimble reserves all rights not expressly granted by this EULA.

4.4 Official Language. The official language of this EULA and of any documents relating thereto is English. For purposes of interpretation, or in the event of a conflict between English and versions of this EULA or related documents in any other language, the English language version shall be controlling.