Carbon User Manual

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First Steps

This manual will help you get the most from your tablet. Please read it carefully before starting

Let your tablet acclimatise itself

Do not power up your tablet immediately if it has been exposed to hot or cold conditions. Instead, allow it to adjust gradually to room temperature over a three to four hour period.

Please note that you must fully charge the battery before using your tablet.

Where to use your tablet

Your tablet will run well under most conditions but avoid extreme temperatures and humidity levels.

Allow sufficient air circulation around the computer when you are working indoors to prevent overheating.

Do not block the ventilation opening or place your tablet in direct sunlight.

There are some things you can tolerate that your tablet can't – things like static electricity, dust, water, steam and oil.

Introduction

Your tablet features the latest advances in portable computing technology with a modular design that provides maximum expandability without compromising portability.

 WARNING - Never try to disassemble or back engineer your tablet as we will not be responsible for any damage caused if you do so and this action would void your warranty

Please note that some of the features mentioned in this manual might not be included on your tablet or may vary slightly.

Unpacking your tablet

Your tablet comes securely packaged in a shipping carton. Please contact your supplier if you find that anything is missing or damaged after examining the contents.
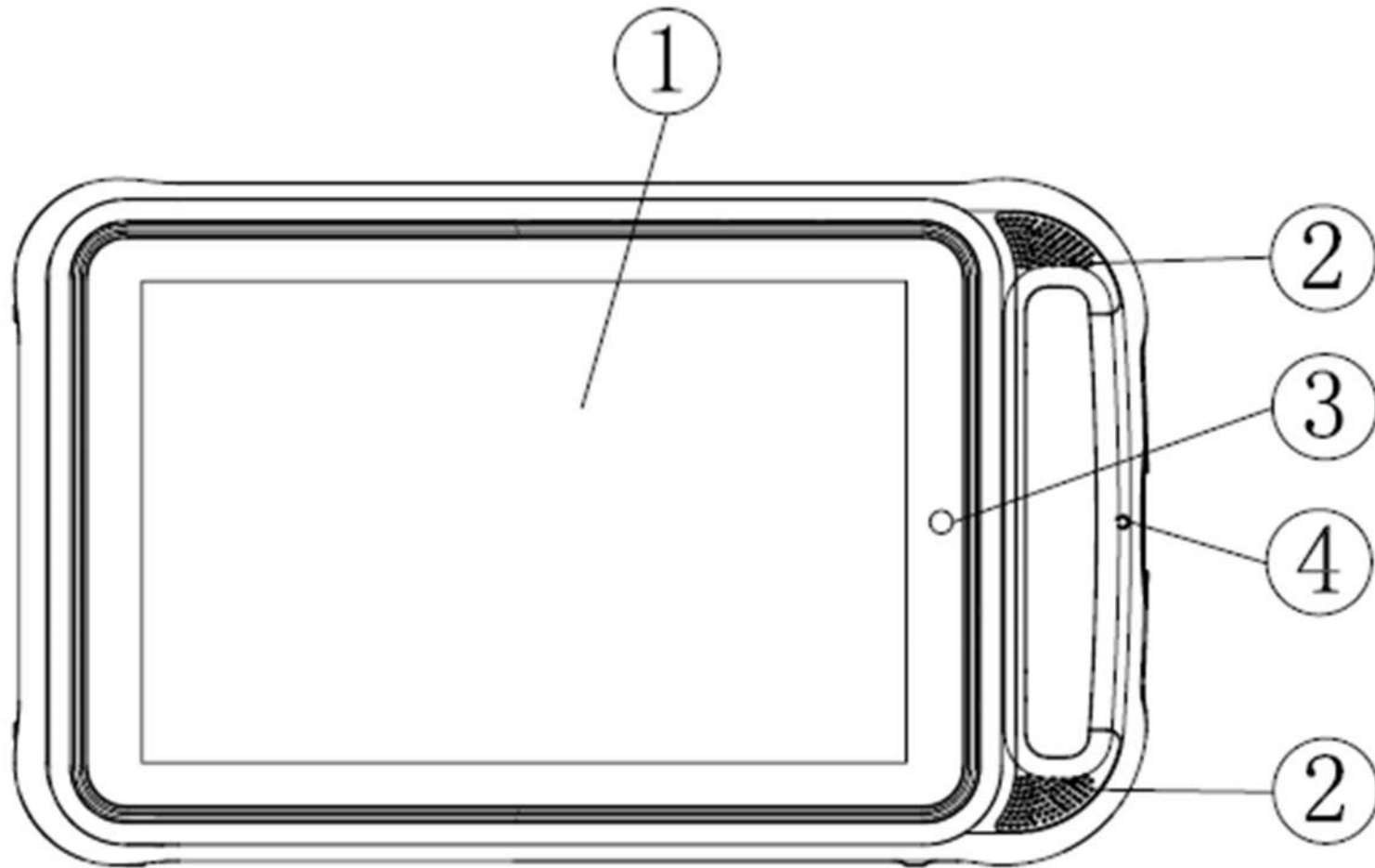
Do not throw the packaging materials away. You may need them later if you have to ship the computer.

What is in the box

Tablet PC

Getting to know your tablet

Front View with Capacitive touch panel

1. LCD Panel

   This tablet is equipped with a 10.1" LCD display with a resolution of up to 1280 x 800
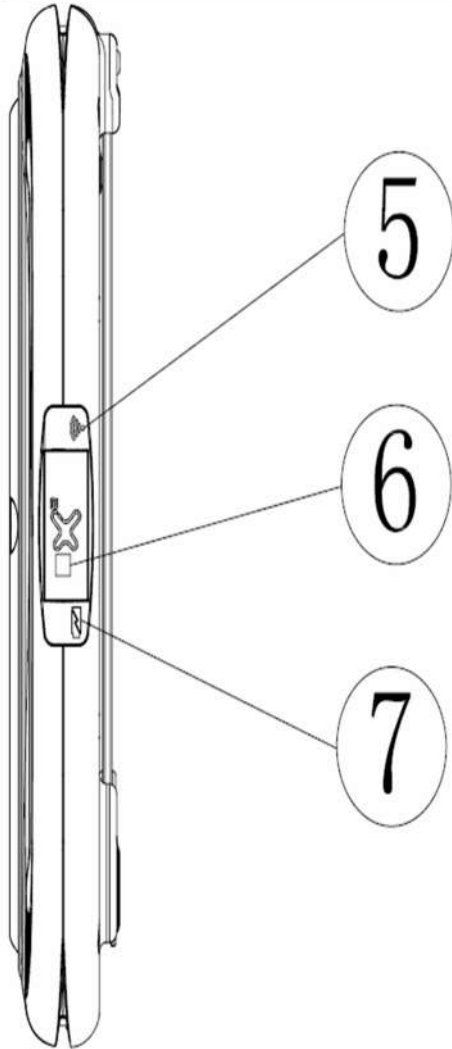
2. Speaker

   Two Piezoelectric speaker

3. Front Camera（option）

   200MP, USB interface

4. Reset Function

   Hall IC switch on handle(EC Control) – External magnet action

Right Side View

5. Wi-Fi Indicator & Power LED

5.1 WIFI Indicator

Lights up Green when the Wi-Fi device is turned on.

Light will flicking when data transferring

No light when Wi-Fi stops operation

5.2 Power Indicator

Blue: Connect to DC Power

No Light: No DC Power

Flash: System standby

6. Lock LED: Controlled by Power Crate

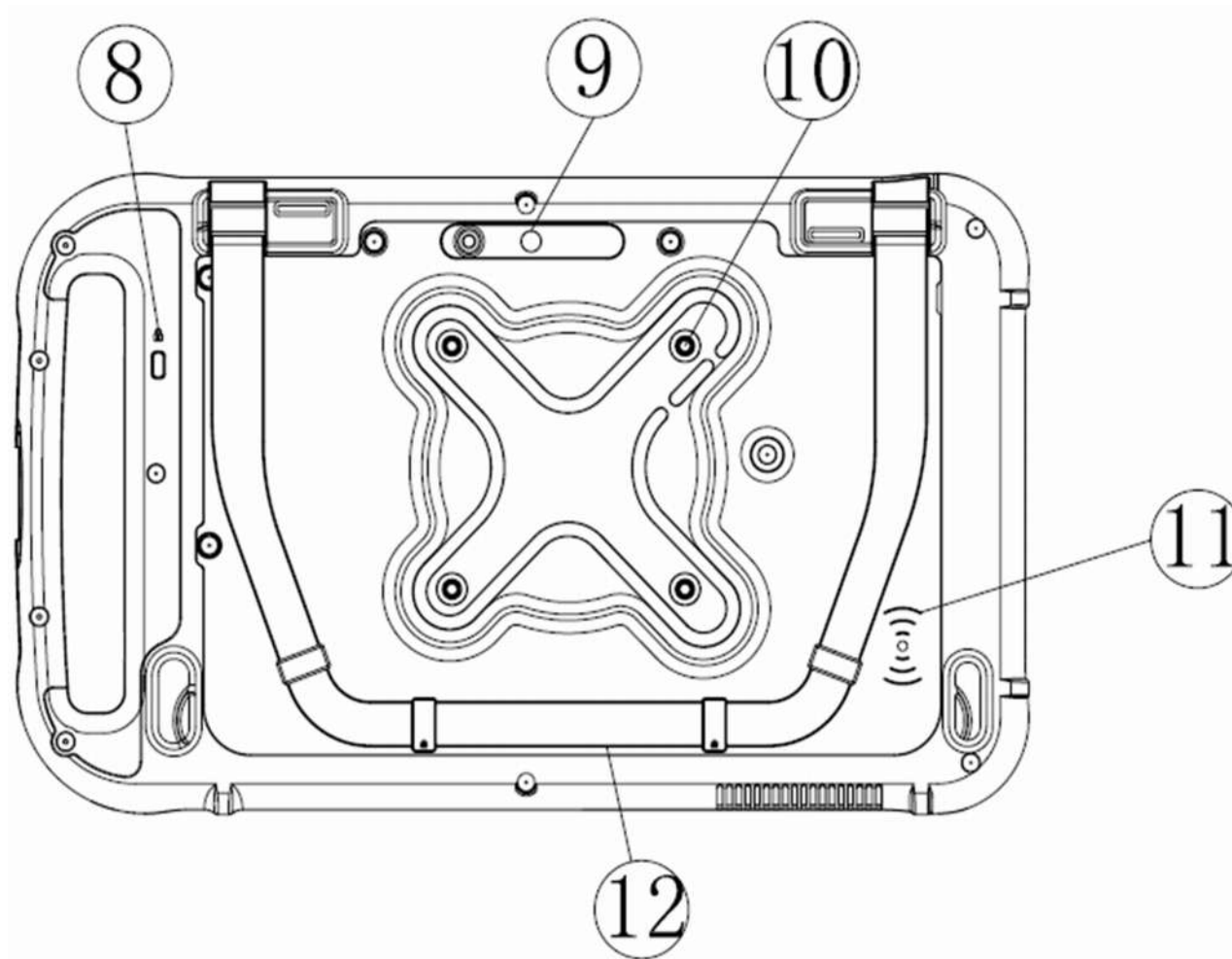| Device location	U30 change of status	White LED
Slid in to Power Crate	Magnet in locking arm moving into detection range of U30	2 second pulse white LED
Locked in Power Crate	Magnet still in detected range	OFF
Unlocked from Power Crate	Magnet in locking arm Leaving detection range of U30	Flashing(1 second on/1 second off) for 10 seconds
Removed Power Crate	No Magnet detected	OFF
Slid in to Power Crate	the most of charging	On

Note: When Device removed from Power Crate, EC must set PCA9555 PIN4 to "High"
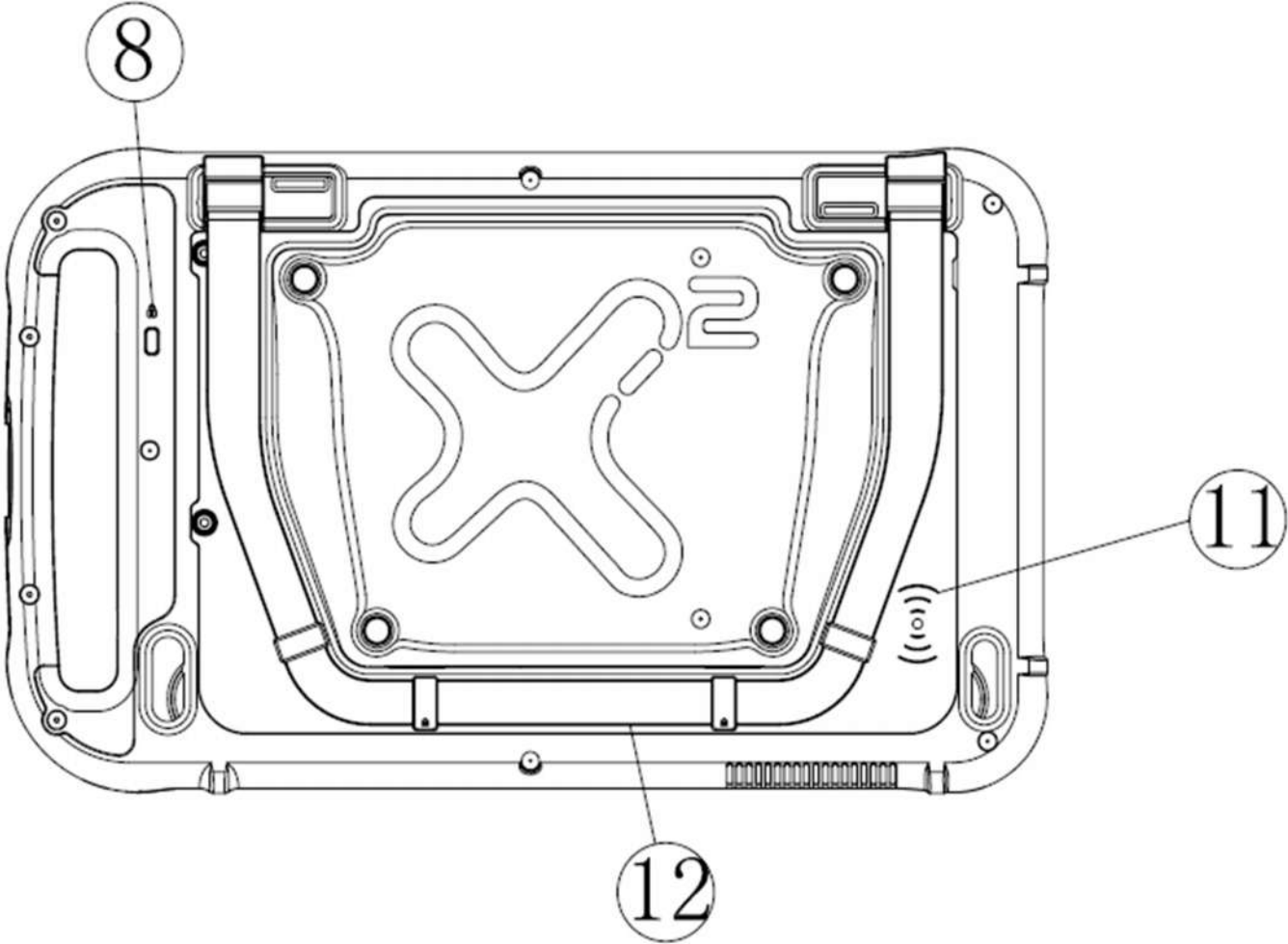
7. Battery Indicator

Status		Red	Amber	GREEN
Charge(S0,S3,S5)	**0%-40%**	Flash	OFF	OFF
	41%-80%	OFF	Flash	OFF
	81%-100%	OFF	OFF	Flash
No Charge (S0)	**0%-40%**	ON	OFF	OFF
	41%-80%	OFF	ON	OFF
	81%-100%	OFF	OFF	ON
No Charge (S3,S5)	**0%-40%**	OFF	OFF	OFF
	41%-80%	OFF	OFF	OFF
	81%-100%	OFF	OFF	OFF

Note: Battery charge current had 3 level can be selected. Low voltage charge: 0.368A; Normal Charge: 2A; Fast

charge: 4A. And the charge current behaviors selected base on customer requirement.

Rear View with 8000mAh battery

Rear View with 16000mAh battery

8. Lock hole

   For Kingston locker

9. Rear Camera (option)

   Rear facing 5Mega Pixel with auto flash and LED flash
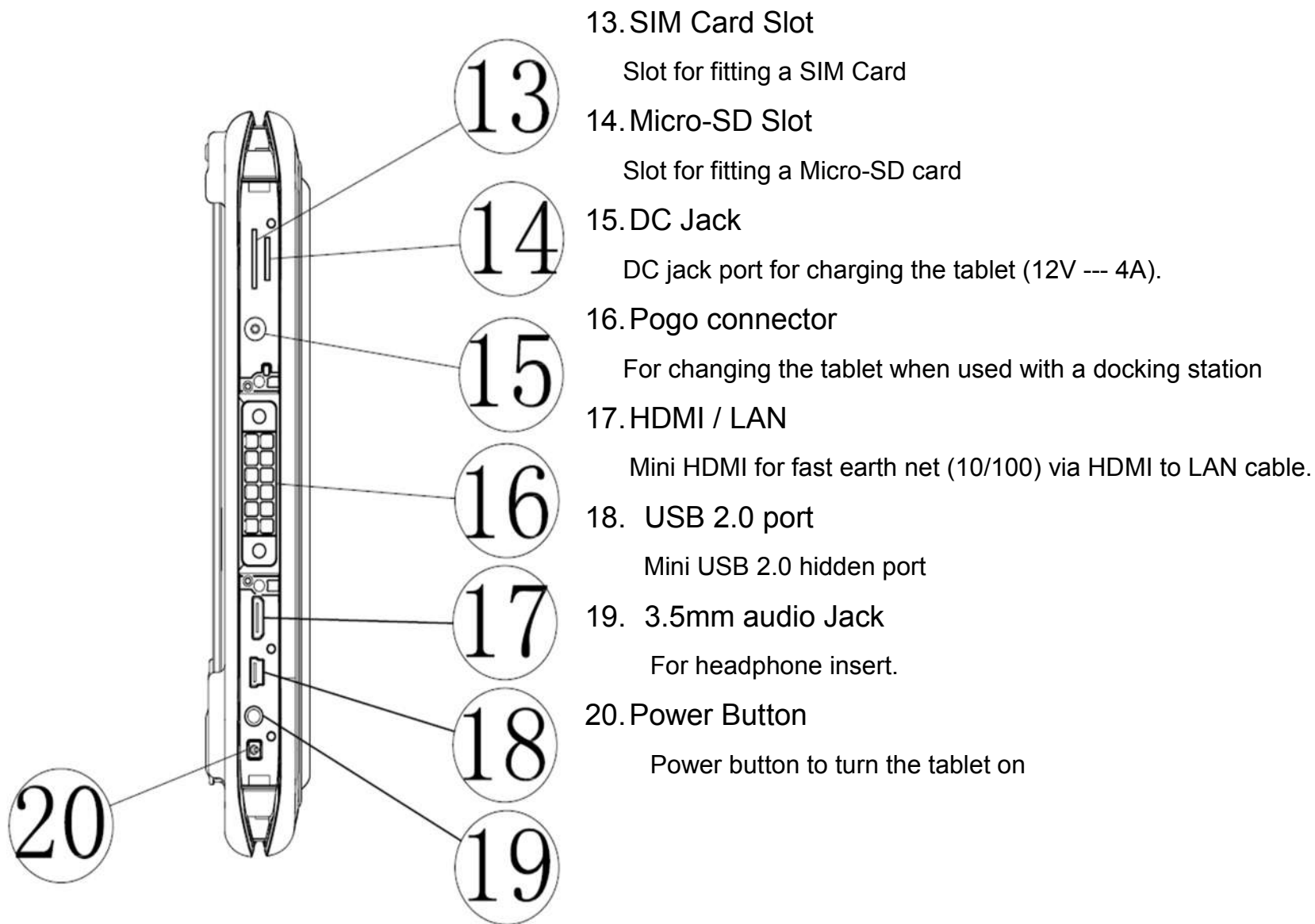
10. VESA Mounting

11. WIFI Logo

    IEEE 802.11b/g/n/ Wireless card with WIFI Antenna

12. Kick stand

    Integrated rear friction grip kickstand for use in both landscape & portrait orientation, with Indexing for portrait.

13. SIM Card Slot

   Slot for fitting a SIM Card

14. Micro-SD Slot

   Slot for fitting a Micro-SD card

15. DC Jack

   DC jack port for charging the tablet (12V --- 4A).

16. Pogo connector

   For changing the tablet when used with a docking station

17. HDMI / LAN

   Mini HDMI for fast earth net (10/100) via HDMI to LAN cable.

18. USB 2.0 port

   Mini USB 2.0 hidden port

19. 3.5mm audio Jack

   For headphone insert.

20. Power Button

   Power button to turn the tablet on

Packaging list

This product is shipped with the items list below. Please make sure that all are in Gift box.

- ➢ 1 piece of Rugged Tablet PC

Getting Started

This chapter guides you to get the tablet ready for operating.

Connecting the AC Power

Our tablet PC can operate either on the external AC power adapter or internal battery power. It is suggested that you use AC power when you start up the tablet PC first time.

Caution - Use only the AC adapter included with your tablet PC. Using other AC adapters may damage the tablet PC.

1. Plug the DC cord of the AC adapter to the power connector of the tablet PC.

2. Plug the female end of the AC power cord to the AC adapter and the male end to the power electrical outlet.

3. When the AC adapter is connected, the Battery Pack is   also charging. You can check the Battery Status LED indicator to see the current progress. The indicator turns to green when it is fully charged.

Caution - When you disconnect the AC adaptor, disconnect from the electrical outlet first and then from the tablet PC. A reverse procedure may damage the AC adapter or the tablet PC. When unplugging the connector, always hold the plug head. Never pull on the cord.

Turning the tablet on and off

Turning on the tablet PC

1. Place your tablet PC on a flat and stable surface or holding the tablet PC on your hand.

2. Make sure that the tablet PC is either connected to AC power or the battery pack with

   power.

3. Press the power button on the right side by 2-3 seconds to start it.

Turning off the tablet PC

1. To turn off the tablet PC power, use the 'Shut Down' command on your operating system.

⚠️	**Caution -** If you have to turn the tablet PC on again immediately after turning it off, wait for at least five seconds. Turning the tablet PC off and on rapidly can damage it.

The optmised Use for Sunlight Readable Touch Screen

With the imposed reflective function, the modified LCD can reflect the ambient light passing the LCD cell and

utilize the reflected light beams as its illumination. The stronger the ambient light is, the brighter the LCD will

appear.

As a result, the modified LCD is viewable under lighting conditions.

 The optimised angle of view is forty-five degrees. The optimised viewing distance is 30cm.

Caution - Although transflective LCD is mainly used in outdoor
environment and it may increase the reflective lights under sunlight, it is suggested that you

should keep the LCD in an appropriate temperature for operation and storage, and avoid

direct sunlight if possible. To ensure the transflective LCD works stably, 0~50°C (32-121°F)

operation and storage temperature is suit

The Optimised Use for Sunlight Readable Touch Screen

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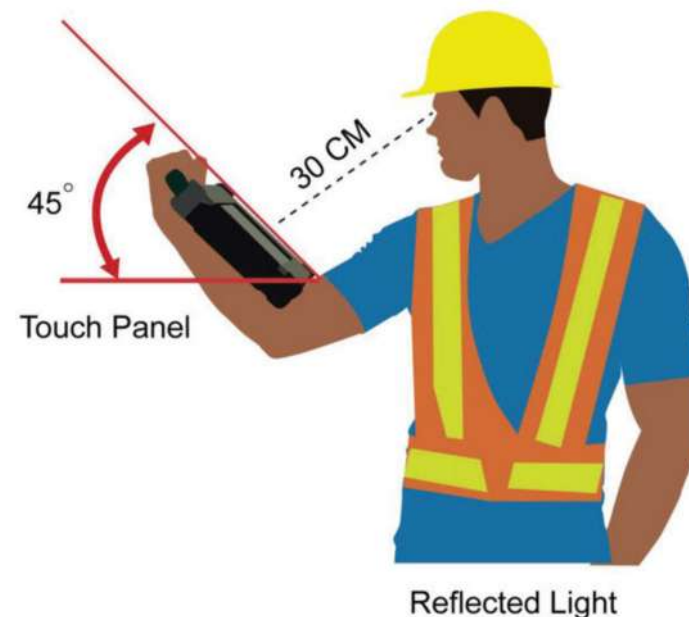The stronger the ambient light is, the brighter the LCD will appear.

The Optimised Use for Sunlight Readable Touch Screen

CAUTION - Although the transflective LCD is mainly used in an outdoor environment it may increase the reflective lights under sunlight. It is suggested you should keep the LCD in an appropriate temperature for operation and storage. Avoid direct sunlight if possible. To ensure the stability of the transreflective LCD, use in temperatures between 0°C and 50°C (32°F-121°F). As a result, the modified LCD is viewable under lighting conditions. The optimised angle of view is 45°.

45°

30 CM

Touch Panel

Reflected Light

The optimised viewing distance is 30cm.

Troubleshoot in g

This chapter describes how to locate and solve problems that you may experience when using your tablet.

A freeze on the system during program operation

General Hardware Problems / Possible Causes and Solutions

Should an error occur when a program is being used and your tablet becomes unresponsive, please turn your tablet off by the pin hole power switch by holding down the power button for greater than 5 seconds. If this does not work please remove and re-fit the external battery.

In the event of an error with the Windows OS, reboot your tablet.

System not resuming normal operation

The battery may be defective or discharged to a critically low level. To correct this problem, connect the AC adapter to the nearest power supply.

The system can not shutdown properly

Press and hold the power button for 4~6 seconds until your tablet shuts down manually.

What are the major steps to follow when your tablet does not turn on

properly after a shutdown

If your tablet turns on after connecting the AC adapter, this indicates that the

battery needs recharging.

How to extend battery life

Adjust the display brightness to minimum level.

Adjust the volume to minimum level.

The wireless LAN connection disconnects after 2~3 minutes and does not reconnect.

This may be caused by channel interference. Try changing the access point channel

and reconnect.

The computer is unable to connect to the Internet.

Check that your account with your Internet service provider (ISP) is properly

configured. Ask your ISP for further assistance.

The Wireless LAN shows a connection but I have no internet access

or the wireless is not working

Microsoft Windows- If the driver is not properly installed, you will find a yellow

exclamation mark on the network icon by clicking

Start > Control Panel > System > Device Manager > Network Adapters.

If there is a yellow exclamation mark, please reinstall the device driver with the system

software media. Check that the signal strength of the wireless access point is good

and that the encryption settings are correct.

Linux- Ensure that the Linux image you are using supports the wireless card either

using out ofthe box drivers or by adding the correct wireless card drivers. Check

the signal strength of your access point and that the encryption password is correct.

The signal strength is excellent but you cannot connect to the network.

Check the TCP/IP properties are configured properly. When you connect to an

access point, click the Wireless Network Connection icon on the taskbar

and select the Support tab.

Contacting Your Supplier

If you still have a problem after reading the troubleshooting section, your next step

is to contact your supplier who will be able to determine if the tablet needs to be

returned to where it was purchased. Before you call your dealer, please have the

following information available:

How is your tablet configured?

What peripheral devices you are using.

What messages, if any, are on the screen?

What software were you running at the time?

Tablet serial number?

Place and date of purchase?

What have you done already to try to solve the problem?

If you have overlooked a step, your supplier may be able to solve the problem over the phone.

FCC Warning

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

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

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This Antenna should be installed and operated with minimum distance 20mm between the edge of shell & your body.