

CC61



7 inch Handheld Tablet PC Quick Start Guide

Version: 1.0

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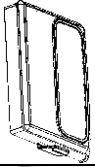



7 inch Rugged Tablet PC

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Accessory

Item	Description	Note
	2 piece of 2 Cell Li-Polymer Battery Pack	Hot-swappable for battery change
	1 piece of Rugged Tablet PC Users Manual.	
	1 piece of CD for System Driver Utility.	
	1 piece of 12V Adapter w/ Standard Power Cord. Euro / U.S. Std type, 1.8m	

Operation System Packing List

Item	Description	Note
	1 piece of CD for Recovery CD for Operation System (Windows 7 or Windows XP embedded).	Optional with Windows XP embedded preinstalled
	1 piece of Windows 7 or Windows XP embedded Recovery User's Guide.	Optional with Windows XP embedded preinstalled

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For example, the serial number 1W10Axxxxxxx means October of year 2010.

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We provide service guide for any problem as follow steps : First, visit the website at www.handheldgroup.com to find the update information about the product. Secondly, contact with your distributor, sales representative, or our customer service center for technical support if you need additional assistance. You may have the following information ready before you call :

- Product's serial number
- Peripheral attachments
- Software (OS, version, application software, etc.)
- Description of complete problem
- The exact wording of any error messages with print screen images

In addition, free technical support is available from our engineers in every business day. We are always ready to give advice on application requirements or specific information on the installation and operation of any of our products. Please do not hesitate to call or e-mail us.

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Safety Precautions

- Warning!



mechanical housing.

Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not connect the electronic device with power socket while the device's power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the Pac's chassis

- Caution!



Always ground yourself to remove any static charge before touch the CPU card. The electronic devices are very sensitive to static electricity. As a safety precaution, use a grounding wrist strap all the time. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.



UL Safety Announcement



UL Classification: Class I mark: with respect to electronic shock; Fire and hazardous material only in accordance with the regulation of UL-60950 and CAN/CSA C22.2 No. 601.1.

- Power Supply Announcement

The Handheld Rugged Tablet PC Power Supplies are supported by Power Adapter and Battery Pack, the power rating announcement and manufacturer information list as below.

Power Adapter	Manufacture: EDAC Power Electronics Co Ltd Model: EA1050C-120 Input Rated: 100-240Vac, 1.8A, 50-60Hz. Output Rated: DC — — — — 12V, 0.75A.
Battery Pack	Manufacture: JHT energy International Co Ltd Model: RTB-1 Rated: 2600mAh DC 7.4V

- Power Notice!



(1) Please aware of the power code of adapter need to be connected to the Earth ground.



(2) Please notice the Power Standby mode when push power button at least 4 seconds to go to sleep status. (See Chapter 2.1 Starting and Stopping the Tablet PC)



- Battery Notice!

WARNING

Do not fix or replace battery, it may cause explosion! Only use with specified battery by following the manufacturer's user manual's instruction.

FCC regulatory statements, notices and warning**IMPOTANT SAR INFORMATION**

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the FCC of USA. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when worn on the body, as described in this user guide, is 0.529 W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

* In the United States and Canada, the SAR limit for mobile phones used by the public



is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Part 15 Notice

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.

Warning: This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulations. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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 and correct the interference by one or more of the following measures:

- . Relocate this device
- . Increase the separation between the device and the receiver
- . Connect the device into an outlet on a circuit different from that of other electronics.

Consult the dealer or an experienced radio technician for help.

FCC Radiation Exposure Statement

Important Note: To comply with FCC RF exposure compliance requirement, the antenna used for this transmitter must not be co-located or operating in conjunction with any other transmitter.

Caution:

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




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CHAPTER 1 Specification



 This User Manual cover the use of an CC61 with Microsoft Windows 7 OS, but other operating systems can also be used. Please contact your supplier for further information.

The CC61 is a compact high performance, low weight rugged Tablet PC designed for outdoor fieldwork purpose. The CC61 can survive in severe environmental conditions including vibration, shock, moisture and temperature variations. The CC61 is suitable for use in harsh environments such as construction sites, warehousing, defense, manufacturing and field service. The CC61 is delivered with two batteries and an AC adapter.



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This Chapter introduces the 7" Handheld Tablet PC CC61 specification.

1.1 System Specification

System	
Processor	Intel® ATOM™ Z530
BIOS	AMI System BIOS
Chipset	Intel US15W
Memory	1 x SODIMM, Max 2GB DDR2 400/533 (Default 512MB)
LAN Controller	Realtek RTL811B Chipset, 10/100/1000 Mbps
Storage	PATA interface support Mini-PCle interface SSD or 1.8" SSD (Default 32GB)
Audio	Audio out for headset, Micro-in for microphone jack, 1.5W Speaker (Internal)
I/O Connectors	
Left I/O Port	1x Micro-In, 1x Audio Out, 1x Giga LAN, 1x USB, 1x DC Power Jack
Right I/O Port	1x RS232, 1x USB
In Front Control	
Control Button	1x Power On/Off, 1x Menu, 1x Up, 1x Down, 1x Left, 1x Right 3x Programmable Hotkeys
LED indicator	1x Power Status, 1x HDD Status, 2x Battery Status, 1x Wireless Status

Display Specification	
Size	7" (16:9)
Resolution	1024x600
Brightness	500 nit
Touch	4 Wire Resistive Touch

Power Management	
Power Input	12 V DC @ 0.75A
Power Consumption	9W
Battery	Li-Polymer 7.4V 2S1P, 2600mAh
Adapter	100-240V, 50-60Hz, 12VDC



1.2 How to Use the Tablet PC



This section describes how to control this Tablet PC.

	Components	Function Description	See Other Intro.
1	Power On Button	<u>PUSH 4 seconds to turn on the tablet pc</u>	
2	LED Indicator	Shows the Power Status, HDD Status, Left and Right Battery Status, and Wireless Status	
3	Menu	Push Menu function to show Brightness, Volume, Battery status and Wireless Enable/Disable.	
4	F1 – F3 Hotkey	6 programmable Hot-key functions for user to define by application, default first short push key (F1 short) will turn-on Outlook Express	
5	Up/Down/ Left/ Right/OK Button	Control the up, down, left, right and Enter function.	



1.3 LED Indicator

LED Term	Indicator Status Description
Power mode	Green: System Turn On. No Light : System Turn Off
Battery Status	No Light: 100% full charge or power on with AC adapter Green Light: Product under charge Red Light: Low battery status Red blinking light : Low Battery warning < 5%
Storage Status	Green Light blinking: HDD is using
Wifi status	Green Light blinking: Wifi is using No Light: Wifi is not working

1.4 Using the Battery Packs

This section describes the details of using the battery packs.

Using the Battery Packs

Before you use your Handheld tablet PC on the road, you will have to charge the battery packs, the battery packs begins to charge as soon as the Handheld tablet PC is connected with the external power source. Please fully charge the batteries before using them in the first time. The new battery packs must 100% charged before the Handheld tablet PC is disconnected with the external power source. The battery pack is fully charged when the battery light indicator turns OFF. It takes about couple of hours to fully charge the battery when the Handheld tablet PC is turned OFF.

Battery Care

The Handheld tablet packs like all rechargeable batteries, it have limit on the number times it can be fully recharged. Fully draining and charging the battery once a day in each day will leave the batteries last over a year, but rechargeable time limits are based on your environmental temperature, humidity, and how your tablet PC is used. The ideal environmental temperature range between 10° C and 29° C (50° F and 85° F).

Battery Power System

The Handheld tablet PC is designed to work with two removable battery packs located inside the battery pack compartment. The fully charged batteries pack will provide several hours of battery life, which can further extended by using power management features through the BIOS setup. The battery system implements the power management software which allows the battery to accurately report the amount of charge percentage left in the battery.

Charging the Battery Pack

You can charge the battery pack by using the power adapter. When the power adapter is plugged in, the inserted batteries packs automatically recharges whether your tablet PC is ON or OFF. It takes about couples of hours for battery to receive fully charge when the power is OFF but takes twice as long when the tablet PC is in use. When the red charge LED indicator in flashing, charging is required. The battery is charging when the red LED is solid, when the LED is turned OFF, the battery pack is fully charged.

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Insert the battery pack

Step 1

Insert the battery pack into the battery slot.



Step 2

Press down the compression lock into the tablet pc.



Step 3

Press the latch down to fasten the battery on the tablet PC



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To remove the Battery

Step 1

Press the latch up to loose the battery pack on the tablet PC



Step 2

Press up the compression lock from the tablet pc.



Step 3

Take the battery pack from the battery slot.





1.5 The Battery Light Signal Instruction

1. The two battery packs charging procedure.



When the tablet pc is connected with the power source, the battery packs are starting to charge.

A. Battery Charging Mechanism:

1. The battery packs are both at low power level
 - a. If first battery's power level is higher the second battery than 10%, the PC will charge the second battery first.
 - b. If both batteries' power level differences are lower than 10%, the PC will charge two batteries at the same time.
2. If one battery is full charged, the other is at low power level, the PC will charge the battery which is at low power level.
3. If both batteries are full charged, the PC will shut down the charging current.

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B. Battery Discharging Mechanism:

1. If the battery on the right is full charged (>3%), the PC will select the right one as the power source.
2. If the battery on the left is full charged (>3%), the PC will select the left one as the power source.
3. If the both batteries are full charged, long push the F3 hot tab to switch the battery power source.
4. When the battery's power level is under 3%, the PC will automatically switch the power source to the other battery.
5. When the battery's power level is under 10%, the battery light is flashing the red light to alarm.
6. .When both batteries power level are under 10%, the PC will send out the red light to alarm.
6. When both batteries power level are under 3%, the PC will turn off the power automatically to protect the battery pack.

Battery Light Signal: Charging ● Low Power ○

Battery A\B	B: 10%~100%	B: 3%~10%	B: 0%~3%	B: No battery
A: 10%~100%	Use A: ● ○ Use B: ○ ●	Use A: ● ○ Use B: ○ ○	Use A: ● ○ Use B: Switch A	A: ● ○
A: 3%~10%	Use A: ○ ○ Use B: ○ ●	Use A: ○ ○ Use B: ○ ○	Use A: ○ ○ Use B: Switch A	A: ○ ○
A: 0%~3%	Use A: Switch B Use B: ○ ●	Use A: Switch B Use B: ○ ○	Turn off the PC	Turn off the PC
A: No battery	Use B: ○ ●	Use B: ○ ○	Turn off the PC	Turn off the PC



CHAPTER 2 Software Operation

This Chapter will guide you how to operate the Tablet PC, including start / stop the PC, and how to use menu function including basic hardware function adjustment and the Hot Tab hotkey utility software that is very easy & helpful for operating the computer.

2.1 Turning On and Off the Tablet PC

2.1.1 Turn on the Tablet PC

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



2. Make sure the tablet PC is either connected with AC power adapter or the battery pack with power.
3. Press the power button at least for 4 seconds to turn it on.

2.1.2 Turn off the Tablet PC

Turn off the tablet PC power source by using the “Shut Down” command of your operating system.







****Caution**

If you have to turn the tablet PC on again immediately after turning it off, please wait for at least for five seconds. Be sure to know that turn the tablet PC off and on rapidly can damage the whole device.



2.2 How to use the software utility

Hot-Tab Hotkey Function

PUSH Menu	Function Description	Function Adjustment
1st Time	Show Current Brightness 	Click "Left/Down" button to increase brightness (Or Drag by Touch) Click "OK" to confirm and eliminate UI. Click "Right/Up" to decrease brightness(Or Drag by Touch) Click "OK" to confirm and eliminate UI.
2nd Time	Show current Volume 	
3rd Time	Show current Battery Usage and Two BTR status 	
4th Time	Show current on/off of Wireless mode 	Use touch button to select all kind of wireless communication function Enable/ Disable
5th Time	Show software version for a. Hot TAB Utility version b. BIOS / EC version	
LONG PUSH 4 sec	Lock/Unlock all button function Push 4 seconds to Lock all button**(not including Touch)	Push 4 seconds to Unlock back to normal operation 



2.3 Hot TAB Software Utility Functions

1. F1 Hot TAB functions will show four functions
 - A. The first is virtual mouse



- B. Screen rotation



- C. Onscreen Keyboard



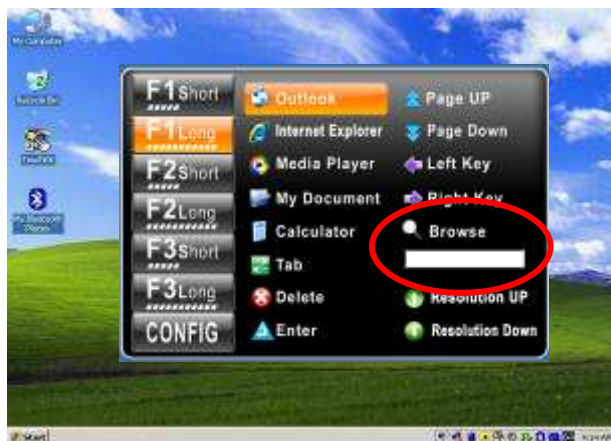


D. Handwriting(Optional)



E. F2 to F3 functional Hot key

You can use “Browse” and choose the execution program file.



2. Power Manage function





3. System Information

When you press menu 3rd time, you can see the system information.



4. Low battery warning notice:

