

CT1100 Pen Tablet



User Manual

About This Manual

This manual explains how to install, operate and maintain the CT1100 Pen Tablet.

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Regulatory Compliance Statements

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

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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.

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

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communications Commission Notice

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. 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:

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

Canada-Industry Canada (IC)

The wireless radio of this device complies with RSS 139 & RSS 210 Industry Canada. This Class B digital apparatus complies with Canadian ICES-003.

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

Europe-European Union Notice

Radio products with the CE alert marking comply with the R&TTE Directive (1999/5/EC) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 60950-1 (IEC60950-1) - Product Safety
- EN 300 328 Technical requirement for radio equipment
- ETS 301 489 General EMC requirements for radio equipment.

Products that contain the radio transmitter are labeled with CE alert marking and may also carry the CE logo.

Safety

Use the following safety guidelines to help protect yourself and the CT1100.

- Do not attempt to service the CT1100 yourself. Always follow installation instructions closely.
- Be sure that nothing rests on the AC adapter's power cable and that the cable is not located where it can be tripped over or stepped on.
- Do not cover the AC adapter with papers or other items that will reduce cooling; also, do not use the AC adapter while it is inside a carrying case.
- Use only the AC adapter, power cord, and batteries that are approved for use with this CT1100. Use of another type of battery or AC adapter may cause risk of fire or explosion.
- If you use an extension cable with the AC adapter, ensure that the total ampere rating of the products plugged in to the extension cable does not exceed the ampere rating of the extension cable.
- When you move the CT1100 between environments with very different temperature and/or humidity ranges, condensation may form on or within the CT1100. To avoid damaging the CT1100, allow sufficient time for the moisture to evaporate before using the CT1100.
- When you disconnect a cable, pull on its connector or on its strain relief loop, not on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Also, before you connect a cable make sure both connectors are correctly oriented and aligned.

Battery Safety

- Do not place the battery incorrectly as this may cause danger of explosion.
- Dispose of used batteries according to the manufacturer's instructions.
- Do not dispose of batteries in a fire. They may explode. Check with local authorities for disposal instructions.

Battery Charge Notice

It is important to consider the environment temperature whenever you are charging the Lithium-Ion battery pack. The process is most efficient at normal room temperature or slightly cooler. It is essential that you charge batteries within the stated range of 0°C to 50°C. Charging batteries outside of the specified range could damage the batteries and shorten their charging life cycle.

Storage and Safety Notice

Although charged Lithium-Ion batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens they will require recharging prior to use. Lithium-Ion batteries may be stored at temperatures between -20°C to 50°C, however they may be depleted more rapidly at the high end of this range. It is recommended to store batteries within normal room temperature ranges.

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Chapter 1

Introducing the CT1100

Thank you for purchasing the CT1100 Pen Tablet. The durable CT1100 is made for heavy duty use in industrial applications. The high performance processor incorporates an additionally graphic controller to provide speed and efficiency in the field, while using minimal power to extend battery life.



The CT1100 I/O ports provide ample connectivity, with two USB ports, an RS-232 serial port, a VGA port, microphone and headphone jacks, PCMCIA and SD slot, and an RJ-45 jack for LAN.

The CT1100 supports 802.11b/g WLAN.

The CT1100 uses the Windows CE 5.0 operating system. Five programmable function buttons and a navigation pad make it easy to interact with the operating system, and a software keyboard enables users to enter and edit text.

To reduce TCO and enhance industrial applications, the CT1100 is sealed to meet IP53 standards and has undergone multiple 3-foot drop tests to prevent downtime.

Features

Powerful system

- Microsoft Windows CE 5.0 operating system
- Intel Bulverde PXA270 processor with speed up to 520 MHz

System memory

- 128MB SDRAM
- 128MB Flash ROM

Display

- 10.4-inch SVGA LCD with touchscreen
- 800 x 600 resolution

Communication

- USB Host & Client
- Internal antenna

Audio

- Built-in microphone
- Built-in speaker
- External microphone connector
- External headset connector

Expansion slot

- SD
- PCMCIA

Battery life

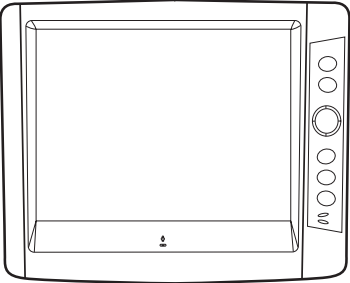
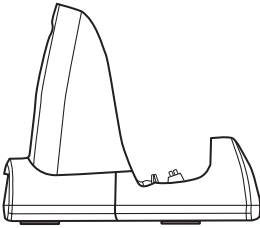
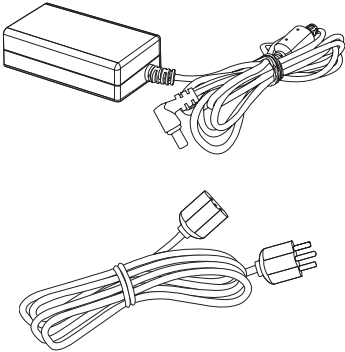

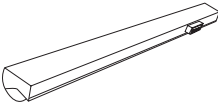
- Normal usage: 4.5 hours
- Charging time: 3 hours

User-friendly interface

- User configurable function buttons
- Navigation keys

Package Contents

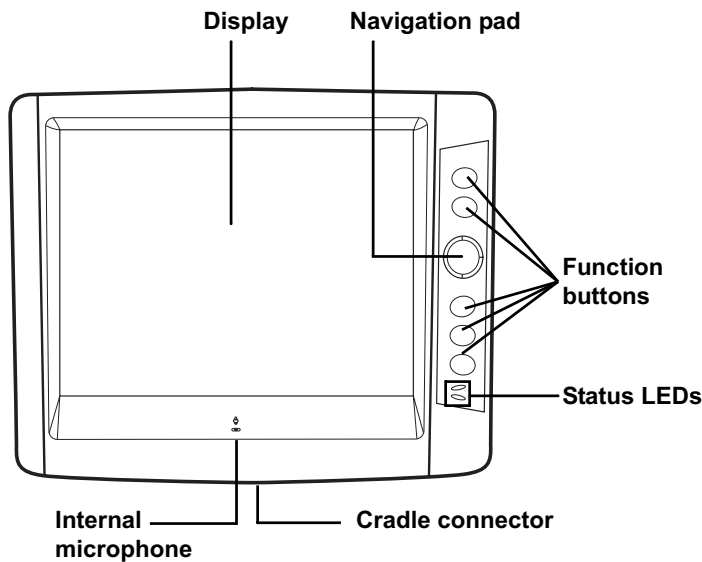
After opening the box, ensure the following accessories for the CT1100 are present:



			
CT1100 Terminal		Cradle	
			
AC adapter and power cord		Stylus	Battery

A Tour of the CT1100

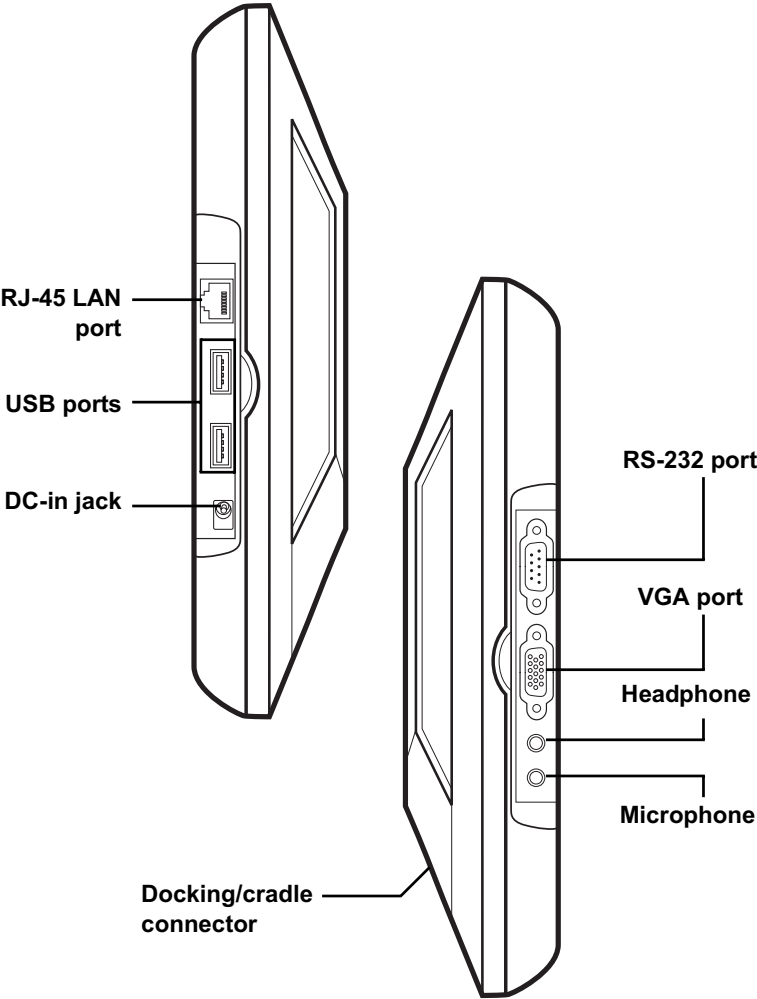
The following sections describe the main components and features of the CT1100.

Front View



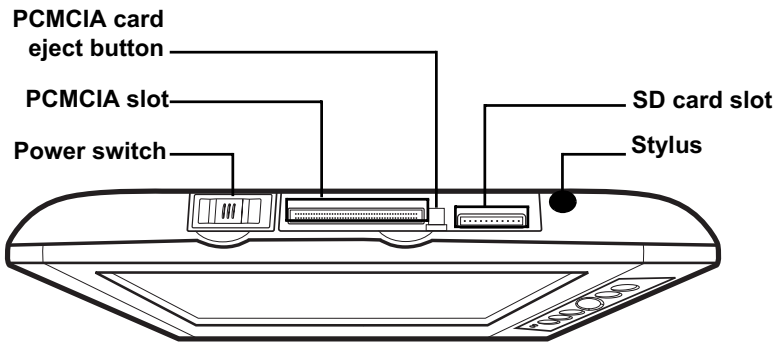
Component	Description
Display	Displays the applications and data stored on your device. It is touch-sensitive and responds to the stylus or finger.
Navigation key	Press this key to navigate in the CT1100 interface.
Function buttons	Interface for controlling the CT1100. See <i>Navigation and Function Buttons</i> on page 22. for more information.
Status LEDs	<p>Indicates the battery charging power status.</p> <p> Power LED (bottom)</p> <ul style="list-style-type: none"> • Off: power is off. • Solid green: power is on, battery charge is good, or AC power is connected and battery is fully charged. • Blinking green: AC power is connected and battery is charging. • Solid orange: power is on, battery is low (30%). • Blinking orange: power is on, battery charge is very low (13%). The CT1100 will auto-suspend at 10% battery charge. <p> Wireless LAN LED (top)</p> <ul style="list-style-type: none"> • Off: no connection • Solid green: excellent or very good signal • Solid orange: good signal • Blinking orange: low or very low signal
Cradle connector	<p>Connects to the cradle to synchronize with a PC.</p> <p>Note: The cradle connector is protected by a rubber cover.</p>
Microphone	Enables you to record voice audio.

Left and Right View



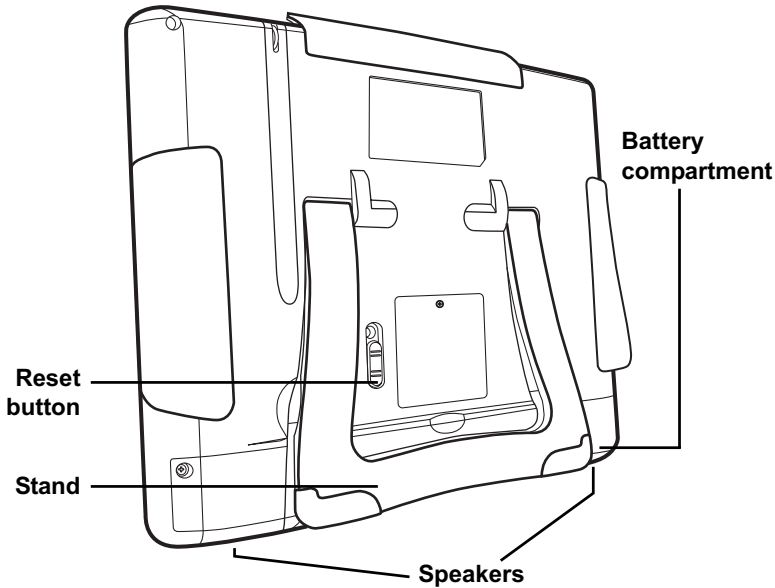
Component	Description
RJ-45 connector	Connect this jack to the LAN.
USB ports	Connect USB type A connectors to these ports.
DC-in jack	Connect the AC adapter to this jack to supply power to the pad and charge the CT1100 battery.
RS232 port	Connect a serial connector to this port for serial communications.
VGA	Connect an external monitor to this port.
Headphone jack	Connects to audio line-out devices (earphones or headphones) for use in noisy environments.
Microphone jack	Enables you to record voice audio with an external microphone.
Docking/Cradle connector	Connects the CT1100 to cradle, enabling you to charge the battery, connect the CT1100 to a computer to synchronize data, and connect USB devices.

Top View



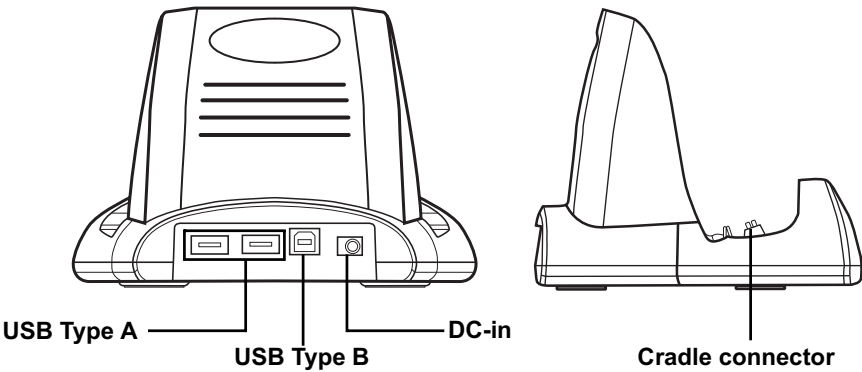
Component	Description
Power Switch	Slide this switch to turn the CT1100 on and off.
PCMCIA slot	Remove the cover to install a PCMCIA card for added functionality. See <i>Inserting a PCMCIA Card</i> on page 27.
PCMCIA eject button	Press this button to eject the PCMCIA card. See <i>Removing a PCMCIA Card</i> on page 28.
SD Card slot	Accommodates Secure Digital memory cards. See <i>Inserting an SD Memory Card</i> on page 29.
Stylus	Enables you to interact with the operating system. Remove the stylus from the holder and hold and use it the same way you would a pen or pencil.

Back View



Component	Description
Speakers	Enables you to hear audio from the CT1100.
Reset button	Press the end of the stylus into the button to reset your device. There are two reset options: hardware reset and software reset. See <i>Performing a Reset</i> on page 41.
Stand	Adjust this stand to provide the best viewing angle.
Battery compartment	Houses the removable and rechargeable battery pack. See <i>Installing the Battery</i> on page 11.

About the Cradle



Component	Description
USB type A ports (host)	Connect a USB type A connector to this port.
USB type B port (client)	Connect a USB type B connector to this port.
DC-in jack	Connect the AC adapter to this jack to supply power to the cradle and charge the CT1100 battery.
Cradle connector	Insert the CT1100 to this connector to charge the battery, synchronize data with a PC or connect USB devices.

Chapter 2

Getting Started

This chapter explains how to install and charge the battery, how to check battery status, how to turn on the CT1100, and how to calibrate the screen.

Installing the Battery

This section explains how to install the battery.

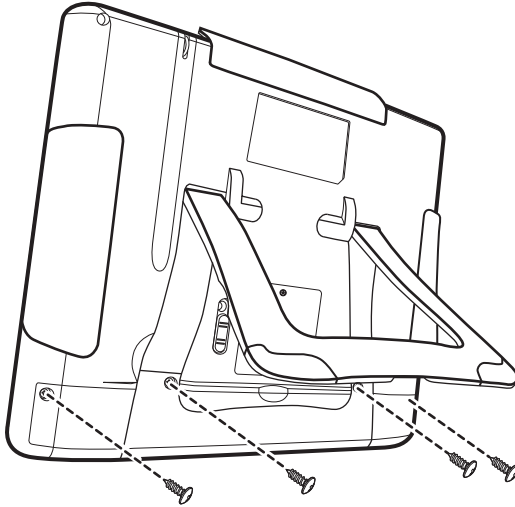


WARNING! There is a risk of fire and burns if the battery pack is handled improperly. DO NOT disassemble, crush, puncture, short external contacts, or dispose the battery pack in fire or water. DO NOT attempt to open or service the battery pack. Dispose of used batteries according to local recycling guidelines in your area.

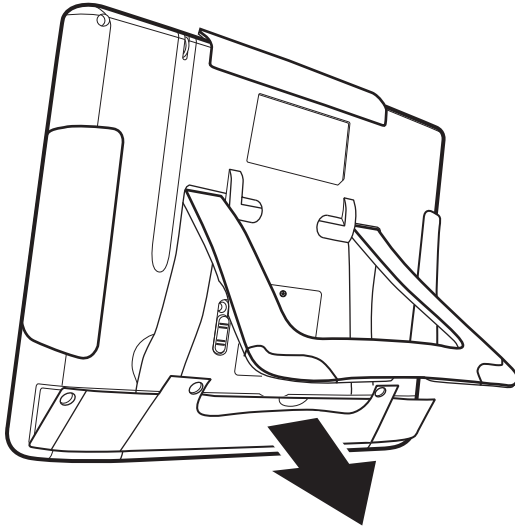
A backup battery cell is embedded into your device to prevent data loss in instances when the removable battery pack is removed or completely discharged. This backup battery cell will only support the system for a maximum of 3 minutes.

Chapter 2 — *Getting Started*

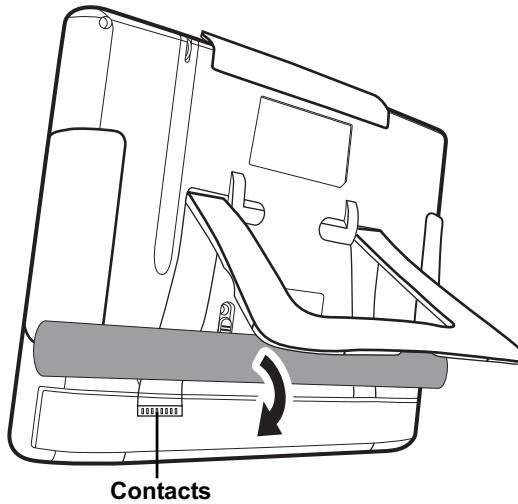
1. Lift the stand out of the way.
2. Remove the four screws that secure the battery compartment cover to the chassis.



3. Pull up at the lip of the battery compartment cover and remove the cover.



4. Align the battery pack, making sure the battery contacts are aligned with the contacts in the compartment and place the battery in the compartment as shown in the following illustration.



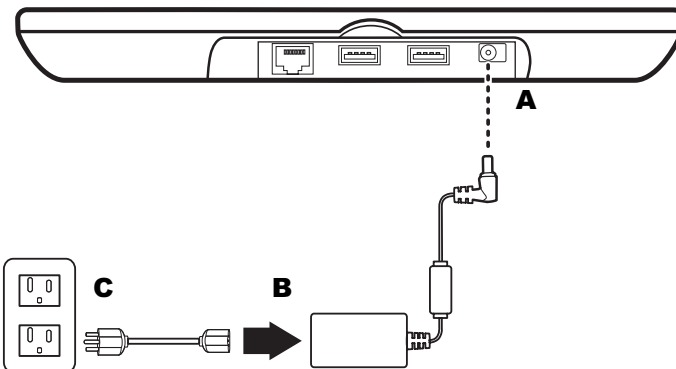
5. Replace the battery compartment cover.

Charging the Battery

Before using the CT1100 for the first time, you need to charge it for about 3 hours. Charge the CT1100 using the AC adapter or the docking station.

Charging the Battery Using the AC Adapter

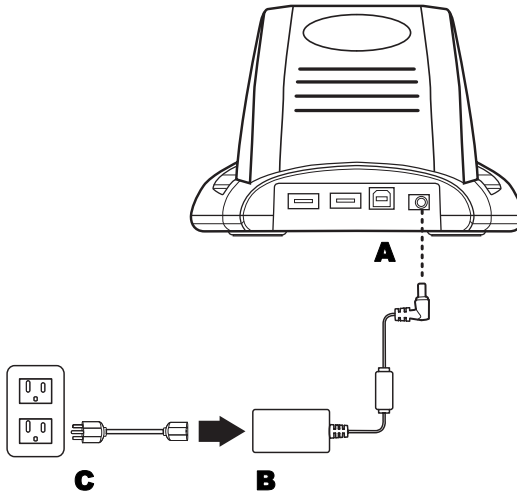
1. Plug the AC adapter cable into the power jack on the CT1100 (A).



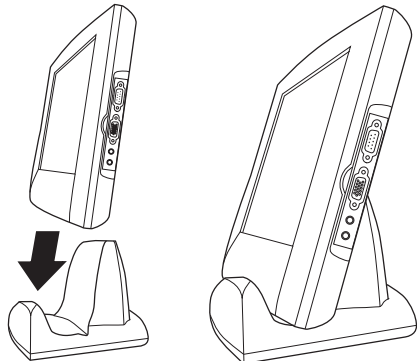
2. Plug the power cable connector into the AC adapter (B).
3. Plug the AC adapter into an electrical outlet (C).

Charging the Battery with the Docking Station

1. Plug the AC adapter cable into the power jack on the docking station (A).




2. Plug the power cable connector into the AC adapter (B).
3. Plug the AC adapter into an electrical outlet (C).
4. Open the docking connector cover and place it into the housing.
5. Slide the device into the docking station until it clicks into place.
6. The connection is secure when the bottom edge of the CT1100 is aligned with the docking station, and the LED indicator on the device lights up green.



Power LED Status

LED State	Meaning
Off	Power off
Solid green	Power on, battery is okay. AC power connected, battery is fully charged.
Blinking green	AC power is connected and battery is charging.
Solid orange	Power is on; battery charge is low (30%)
Blinking orange	Power is on; battery is very low (13%). Note: The CT1100 will enter auto-suspend mode at 10% battery charge.

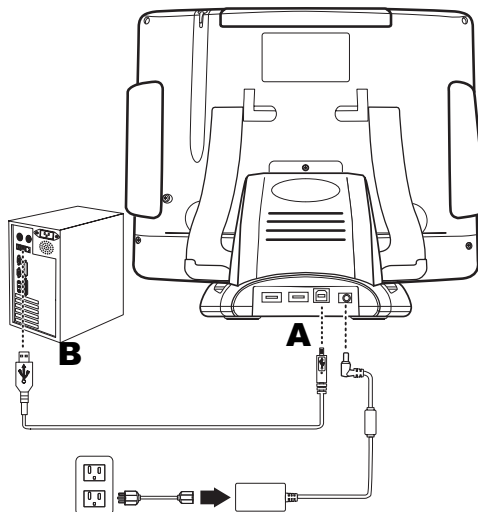
Checking the Battery Status

If the battery level becomes low in the course of normal use, a status icon  appears on the device screen indicating low or very low battery status. In both cases recharge your device as soon as possible.

Connecting the CT1100 to a PC

Use the USB cable to connect the CT1100 to a PC to use with Active-Sync.

1. Connect the USB type B connector to the port on the cradle (**A**).
2. Plug the other end of the USB cable into the USB port on the PC (**B**).

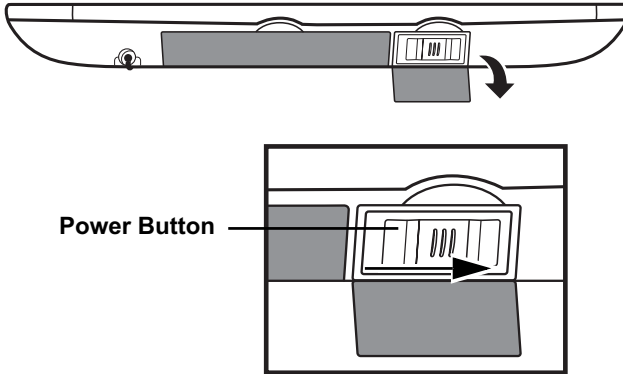


Turning the CT1100 on for the First Time

After you have initially charged your device for about 3 hours, the device is ready to be used. You can now start up your device where you'll calibrate the display, learn some basic stylus usage, and set up the system time zone, date and time.

Powering On

Turn on the CT1100 by sliding the power button on the top of the unit.



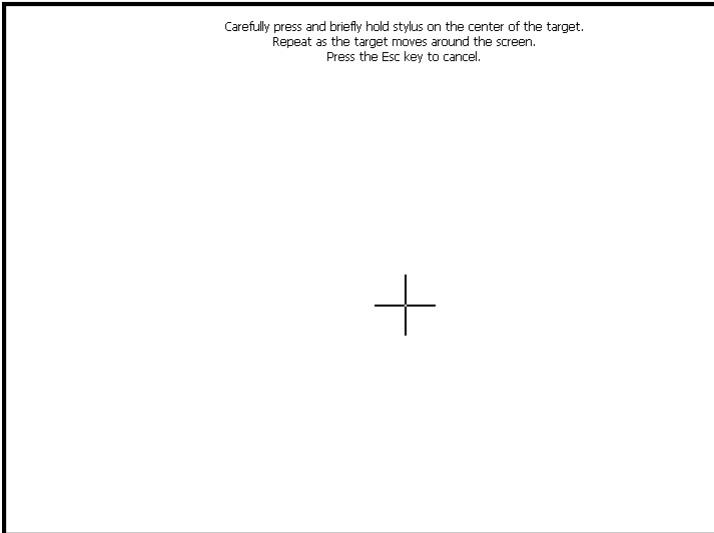
NOTE:The CT1100 screen ships with a protective plastic film. You may remove this if desired by peeling from one corner. The screen will be susceptible to scratching without the film, but will be more readable.

Turn the CT1100 off by sliding the power button in the opposite direction.

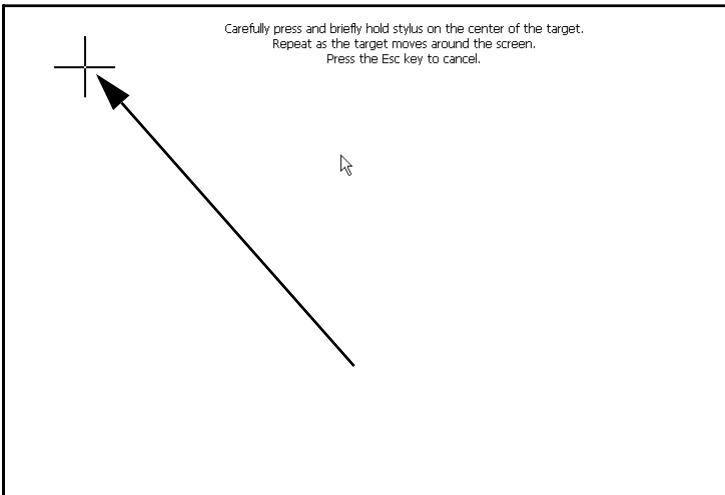
Calibrating the CT1100 Screen

The calibrate screen automatically appears when the unit is powered-on for the first time or after the system is reset.

1. Tap the center cross hair firmly and accurately with the stylus.

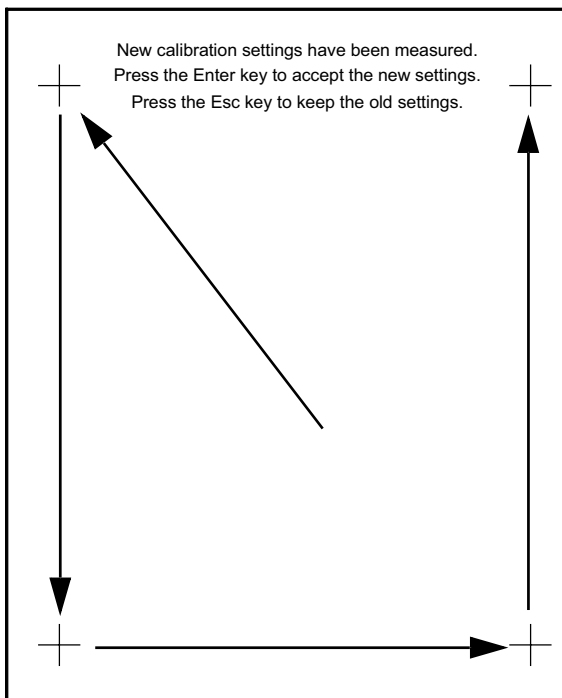


The cross hair moves to the next location.




Chapter 2 — *Getting Started*

2. Continue tapping the cross hairs until the screen has been calibrated.



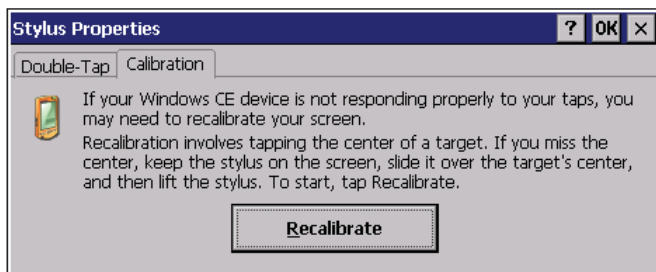
3. After calibration is finished, press the Enter key to save the settings or press Esc to revert to the previous settings.

NOTE:

To recalibrate the screen at any time, tap  **Start** →

Settings → **Control Panel**.

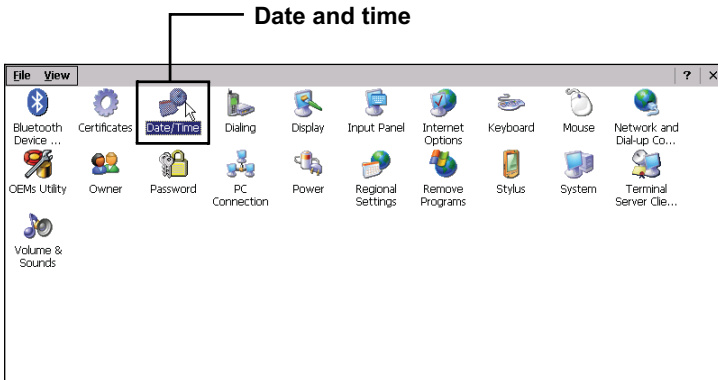
Then double-tap **Stylus**. Tap the Calibration tab, and tap **Recalibrate**.



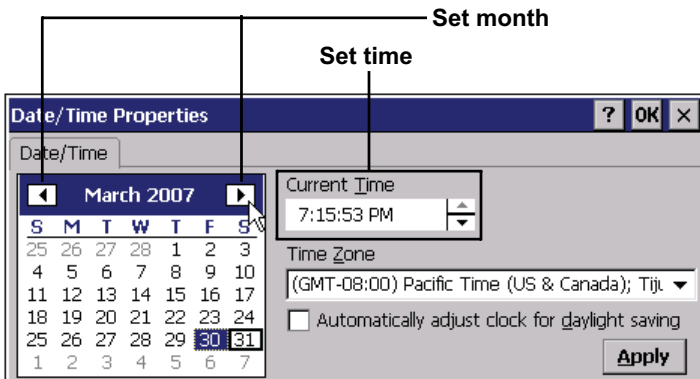
Setting the Time and Date

Follow these instructions to set the time and date.

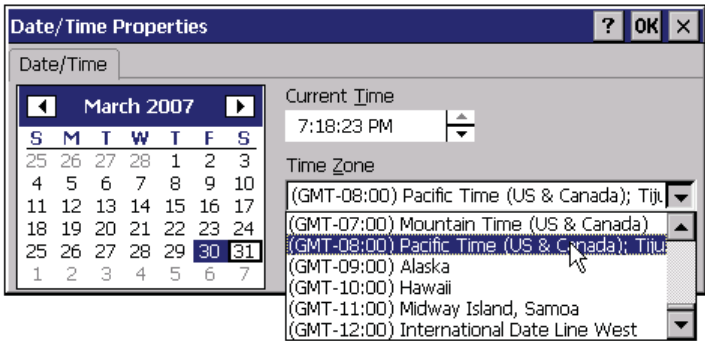
1. Tap  **Start** → **Settings** → **Control Panel**.



2. Double-tap Date/Time.
3. The date time dialog opens.
4. Tap the arrows next to the month to select the correct month.



5. Select a field in the time box and tap the arrows next to the time to change the value of the field.
6. Tap the drop-down arrow next to Time Zone to select the correct time zone for your area.

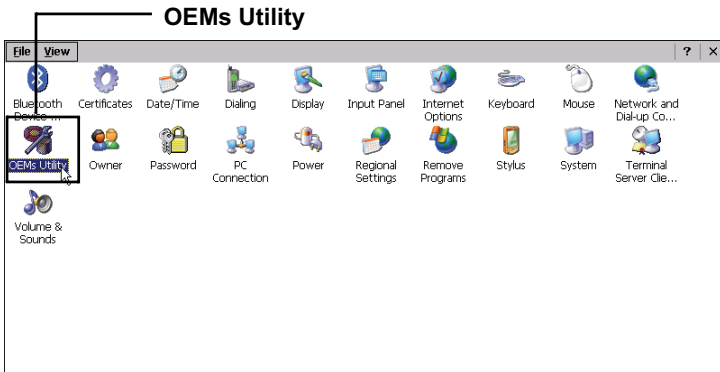


7. Check the box next to **Automatically adjust...** to have the OS automatically adjust for daylight saving time.
8. Click **Apply** to save the settings.

Adjusting the Screen Brightness

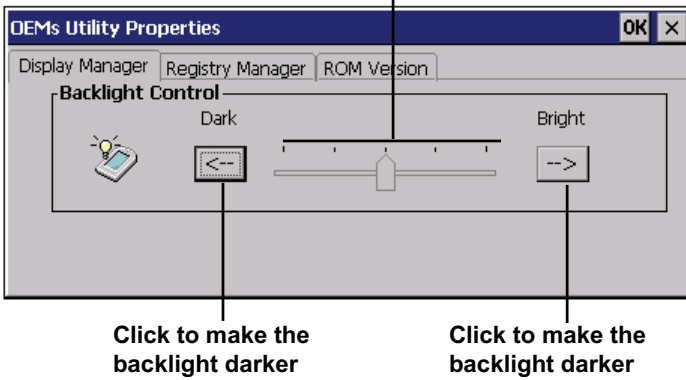
Follow these instructions to adjust the screen brightness.

1. Tap  **Start**→ **Settings**→ **Control Panel**.
2. Double-tap **OEMs Utility**.



3. Click the **Display Manager** tab.
4. Under Backlight Control, click the **Dark** arrow to make the screen darker, or click the **Bright** arrow to make the screen brighter.

Drag slider to make the back-
light brighter or darker



5. Click the close button to exit the utility.

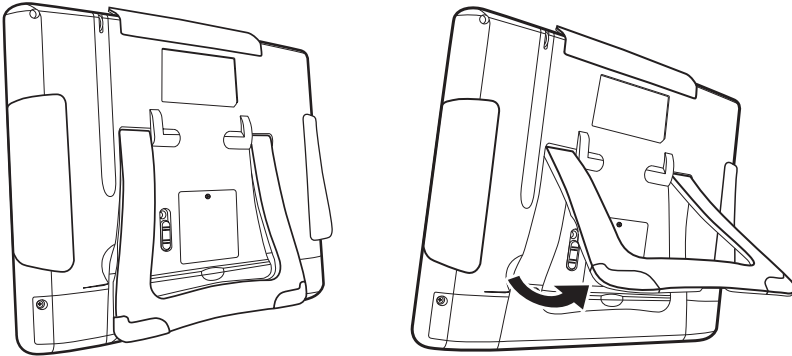
Chapter 3

Using the Hardware

Using the Stand

The CT1100 has a built-in stand for easy configuration on a desk or table top. The stand can be folded in to enable users to mount the CT1100 on a wall or other surface.

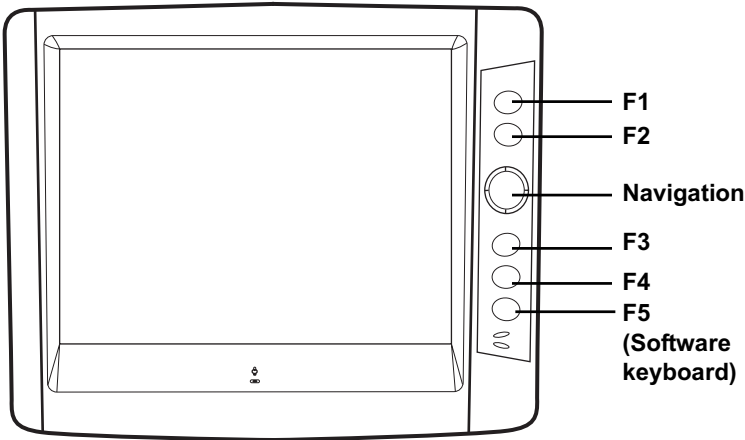
Open the stand and adjust the tilt to provide the best viewing angle.



Navigation and Function Buttons

The navigation and function buttons enable you to access commonly used applications with a press of a button and also navigate the operating system.

The following illustration shows the keypad keys.

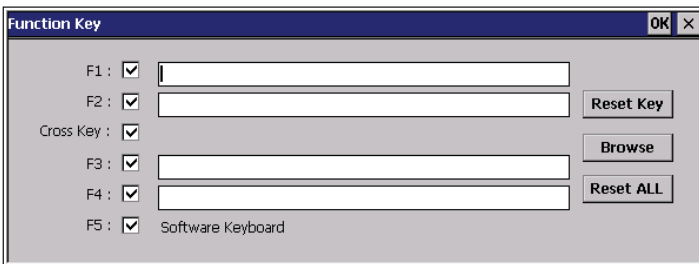


NOTE:Function button F5 is assigned to open the software keyboard, and cannot be changed. However, the button can be disabled.

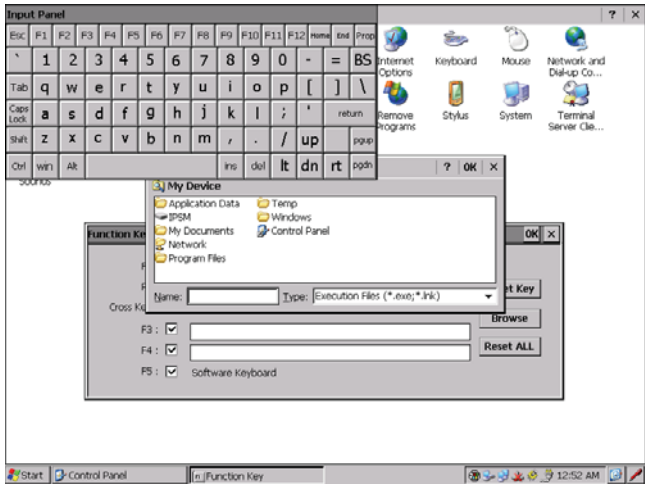
Setting Function Button Assignments

Follow these instructions to set Function button assignments.

1. Press any function button except F5.
The Function Key dialog opens.



2. Check the box next to the Function buttons or Cross Key to enable or disable the button.
 - Function keys can open applications or links
 - Cross Key can be used to navigate the operating system and open applications by pressing the center
3. Assign a function to a button by selecting the text box next to the function key name and tapping **Browse**.

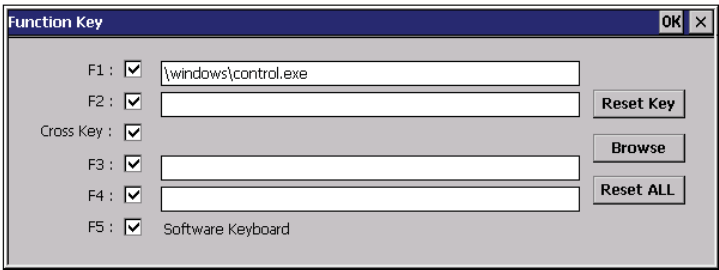


You are prompted for the name of an executable file or link.

NOTE: Whenever you are prompted to enter text, the input panel (software keyboard) automatically appears. See *Entering Alphanumeric Characters* on page 25.

4. Type the name or browse the folders for the desired application or link and tap **OK**.

The application is listed next to the function key.




Pressing the button will launch the assigned application or link.

5. To replace an assigned function key, follow the steps above.
6. To return the key to the default value (unassigned), select the text box next to the function key and tap **Reset Key**. To reset all assignments, tap **Reset ALL**.

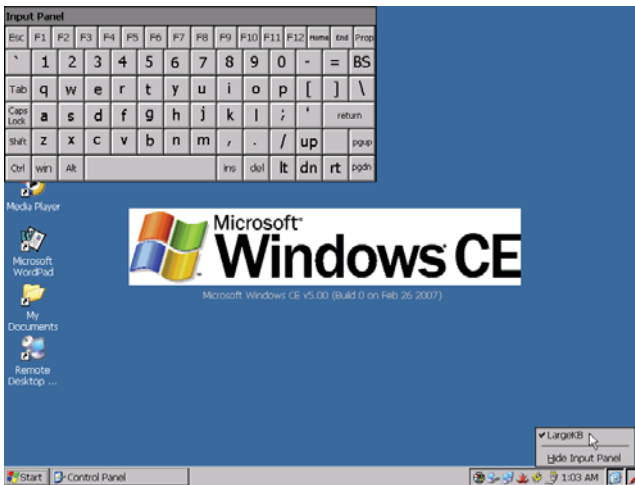
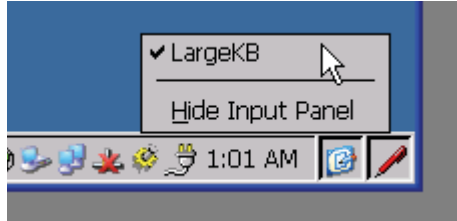
Entering Alphanumeric Characters

Use the input panel (software keyboard) in the operating system to enter text in the CT1100 operating system.

Entering Characters with the Keypad

The operating system has a onscreen keyboard that enables you to enter alphanumeric characters with the stylus. Press the input panel icon  in the system tray to view the input panel menu.

Tap **LargeKB** to view the onscreen keyboard.



Tap **Hide Input Panel** to close the keyboard.

The keyboard emulates a standard computer keyboard. Tap the onscreen keyboard to enter, edit, and delete text.

Using the Stylus

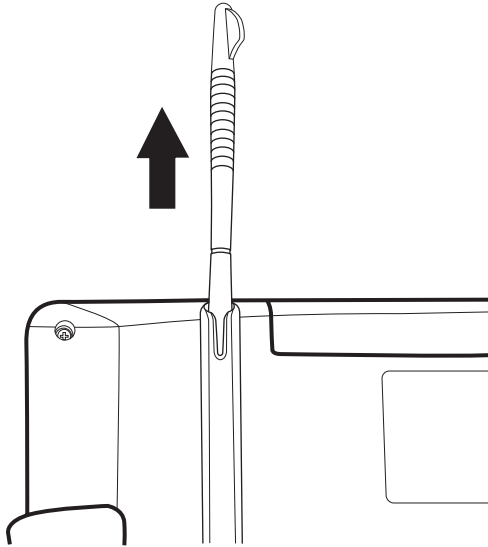
Use the stylus to interact with the operating system by tapping or double-tapping on an application icon and to select items on the menu.

The stylus is also used to enter text by tapping on the Input Panel.

When not in use, place the stylus in the storage slot located on the top of the CT1100.

CAUTION! Never use anything other than the CT1100 stylus on the screen. Using another object as a stylus could cause permanent damage. You can use your finger to interact with the screen as well.


1. Remove the stylus from its holder.

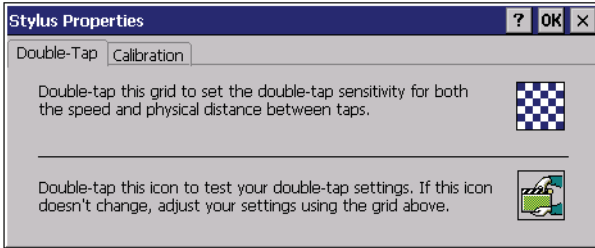


2. Hold the stylus as you would a pencil.
3. To make a choice from a menu, lightly tap the tip of the stylus on that choice.

Adjusting the Double-Tap Rate

Set the stylus double-tap rate as follows.

1. Tap  **Start** → **Settings** → **Control Panel**.
2. Double-tap **Stylus**.
3. Tap the Double-Tap tab.



4. Double-tap on the checkerboard graphic to set your double tap rate.

Inserting a PCMCIA Card

The CT1100 accommodates a Type II PCMCIA interface.

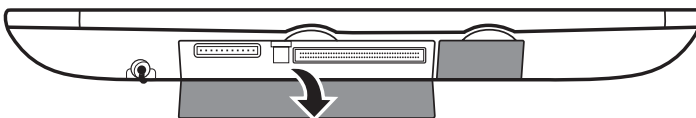
You can enhance the functionality of the CT1100 by installing PCMCIA cards such as the following:

- GPRS card
- RFID card
- PCMCIA storage

NOTE: The list above are examples of the types of cards you can install and is not exhaustive.

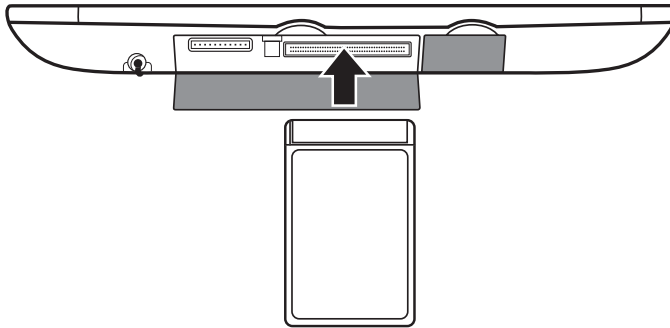
Follow these instructions to insert a PCMCIA card into the PCMCIA slot.

1. Lift the protective cover away from the PCMCIA slot.



Chapter 3 — *Using the Hardware*

2. Slide the PCMCIA card into the slot as shown, until the contacts are seated into the PCMCIA connector.

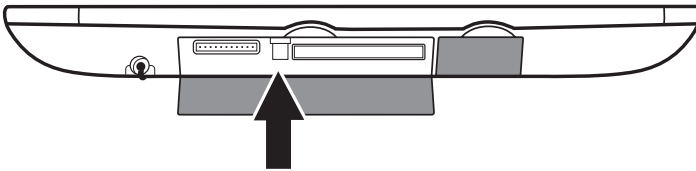


3. Replace the cover.

Removing a PCMCIA Card

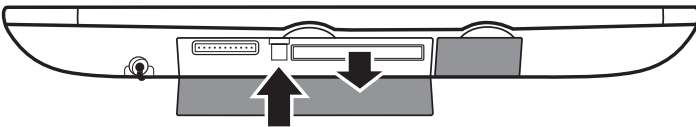
To remove the PCMCIA card:

1. Press the black PCMCIA button next to the slot



The button pops out.

2. Press the button again to push the PCMCIA card out.



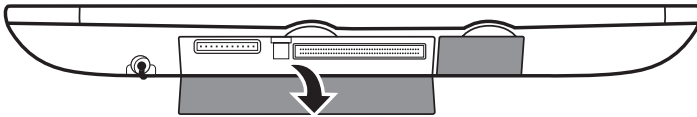
3. Remove the card.

Inserting an SD Memory Card

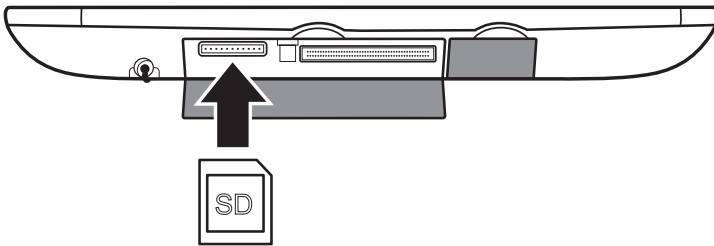
Your CT1100 has an expansion slot compatible with a range of SD cards, which are primarily used to back up or transfer files and data. The slot also supports SDIO cards for added connectivity options.

Follow these instructions to insert a SD card into the SD slot.

1. Lift the protective cover away from the SD slot.



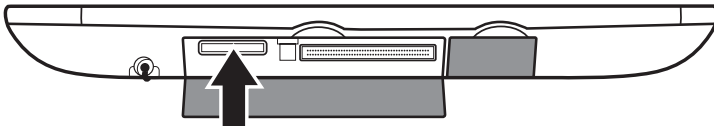
2. Slide the SD card all the way into the slot as shown.



3. Replace the cover.

Removing a Storage Card

1. Lift the protective cover away from the SD slot.
2. Press the card in and release.



The card pops out.

3. Remove the card from the slot.

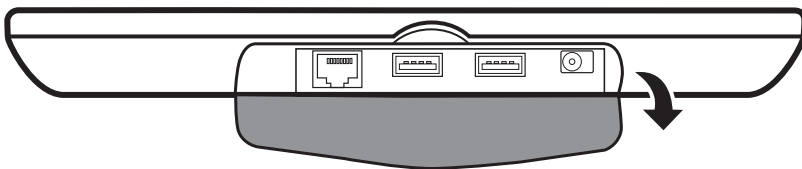
Connecting Devices to the CT1100

This section describes how to connect devices to the CT1100. You can connect devices directly to the CT1100 or connect using the cradle.

Opening the Port Covers

The port covers protect the ports and connectors from rain, dust (IP53 standard), and adverse environmental conditions.

Open the port covers to access the ports.



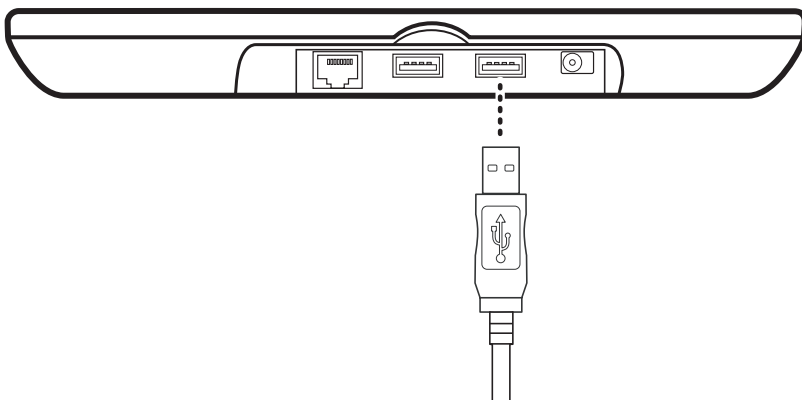
Ensure that you close the covers tightly after disconnecting cables and connectors.

Connecting USB

The CT1100 accommodates two USB Type A connectors, or you can connect a USB Type B cable to the cradle. See *Connecting to the Cradle* on page 33.

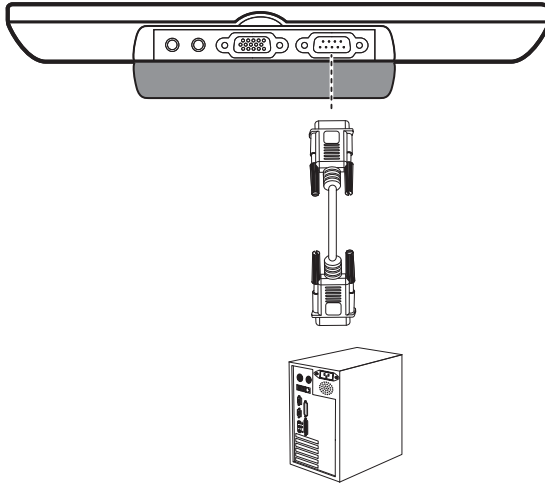
Connecting a USB Type A

The following illustration shows how to connect a USB type A device to the CT1100. The connector can only go in one way. If it does not go in smoothly, check the orientation and try again.



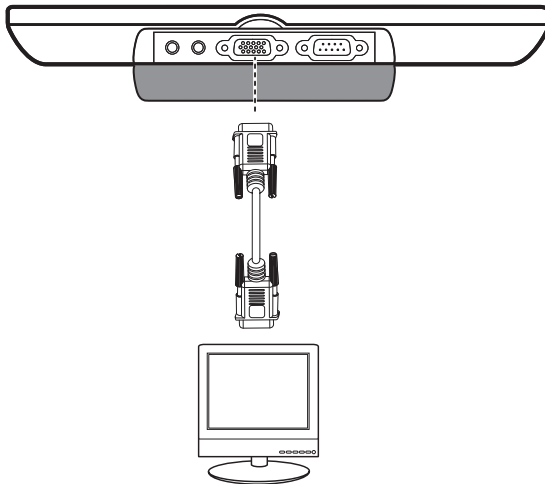
Connecting a Serial Cable

Connect a serial cable to the CT1100 to perform serial communications. Refer to the following illustration



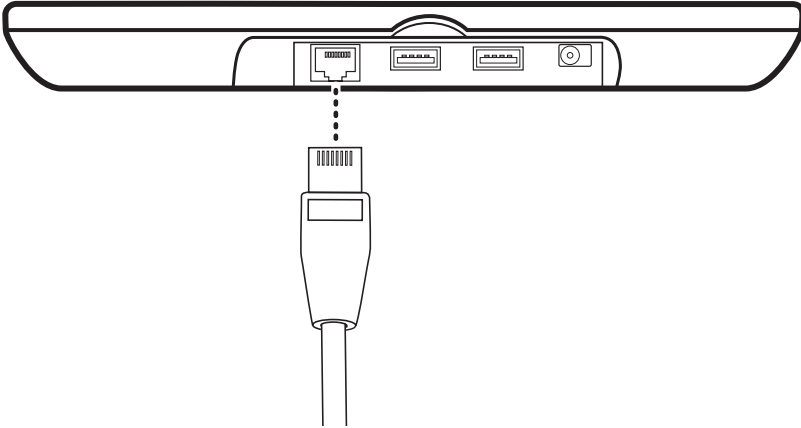
Connecting an External Monitor

Connect an external monitor cable to the VGA port on the CT1100 to view the output on an external monitor. Refer to the following illustration



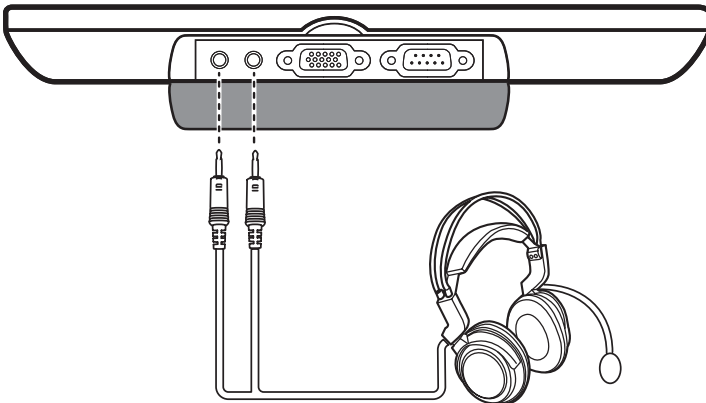
Connecting LAN

Connect an RJ-45 cable to the Ethernet port on the CT1100 to enable you to connect to the LAN. Refer to the following illustration



Connecting Headphones and a Microphone

The CT1100 has a built-in microphone and speaker. However, you can connect a headset and microphone to the CT1100 for use in noisy environments. Refer to the following illustrations.



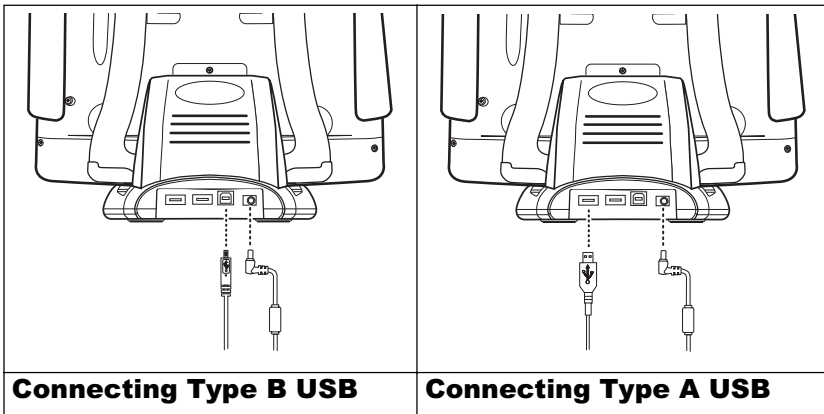
Connecting to the Cradle

The cradle enables you not only to recharge the CT1100's batteries, it also enables you to connect USB and synchronize data with a PC.

Connecting USB

You can connect both USB Type A and USB Type B connectors to the cradle to transfer data with the CT1100. There is one Type B USB port at the rear of the cradle, and two Type A USB ports on the sides.

Refer to the following:



Chapter 4

Getting Connected

Connecting to a PC


Installing Microsoft ActiveSync

In order to exchange data between your computer and the CT1100 and install extra applications or utilities to the CT1100, Microsoft ActiveSync must be installed on your computer. Connect the CT1100 to a PC using a USB type B cable. Download the latest version of Microsoft ActiveSync from the Microsoft website.

NOTE: If you have a previous version of the Microsoft ActiveSync installed in your computer, uninstall it first before installing the latest version of Microsoft ActiveSync.

Connecting the Device to Your Computer

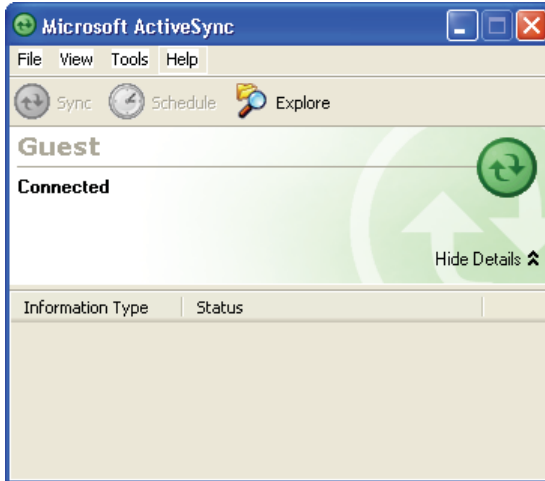
1. After ActiveSync has been installed, connect the USB B cable to the USB port on your CT1100. Refer to *Turning the CT1100 on for the First Time* on page 16.
2. Plug the other end of the USB cable into a USB port on your computer.
3. Turn the device on.
4. ActiveSync starts automatically and configure the USB port to work with the CT1100. The New Partnership setup wizard will automatically start.

NOTE: If ActiveSync doesn't start automatically, click  **Start** → **Programs** → **Microsoft ActiveSync**.

If a message appears indicating that it is unable to detect a connection, click the **Cancel** button and manually configure the communication settings.

5. Follow the onscreen instructions.

- When the configuration process is complete, the ActiveSync window appears.



- Synchronization will be initialized and will take place if you've chosen to synchronize periodically or upon connection.
- ActiveSync detects the CT1100 and establishes a connection.




- Click **No**, and then click **Next**.

WiFi Connection

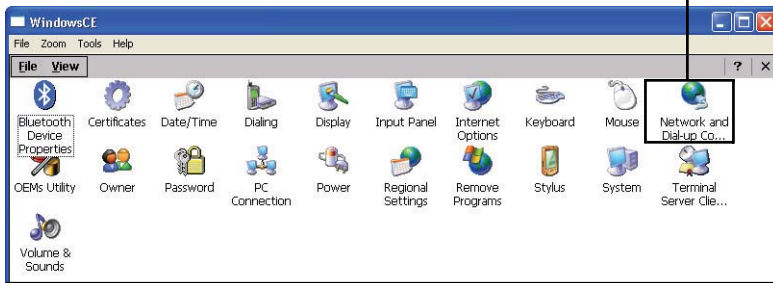
With the device's embedded WLAN module, you can send and receive signals to a WiFi network then synchronize files.

NOTE: WiFi access requires a separate purchase of a service contract with a wireless service provider. Contact a wireless service provider for more information.

A wireless network can be added either when the network is detected or by manually entering settings information. Before doing these steps, determine if authentication information is needed.

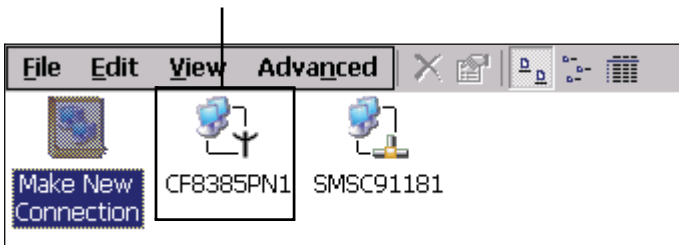
1. Tap  **Start** → **Settings** → **Control Panel**, then double-tap the **Network and Dial-up Connections**.

Network and Dial-up Connections

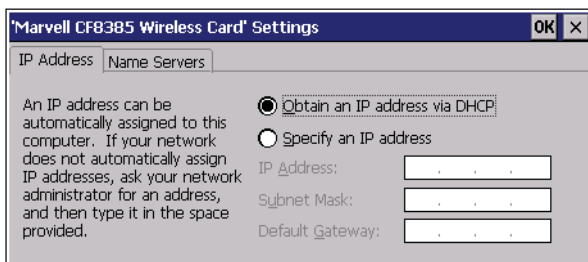


The following screen appears.

Wireless network connection



2. Double-tap the wireless network connection icon.
3. The following screen appears.



4. Enter the IP address in the text box if you are using a static IP, or tap “Obtain an IP address via DHCP” if you are assigned an IP address by a DHCP server.

For more information on how to configure the wireless network

settings, tap  **Start** → **Help**.

Chapter 5

Advance Settings

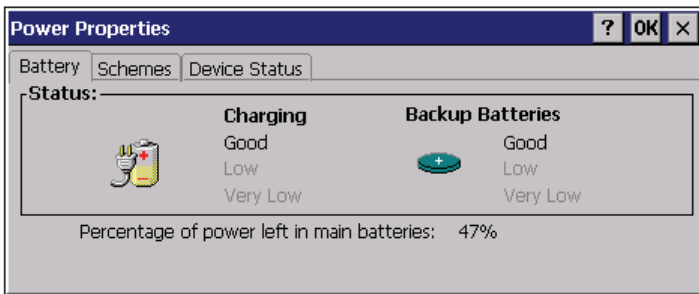
Checking the Battery Status

This section describes how to view the power level for the main battery and how to set power saving options.

To check the main and backup battery status:

1. Open Power Properties. Tap  **Start** → **Settings** → **Control Panel**. Then double-tap **Power**.

The Power screen appears.



2. The battery menu item displays the status of the main and backup batteries.

NOTE:It is necessary to charge the battery when the battery charge reaches below 13%. If the battery does not accept a charge, contact Technical Support.

Extending Battery Life

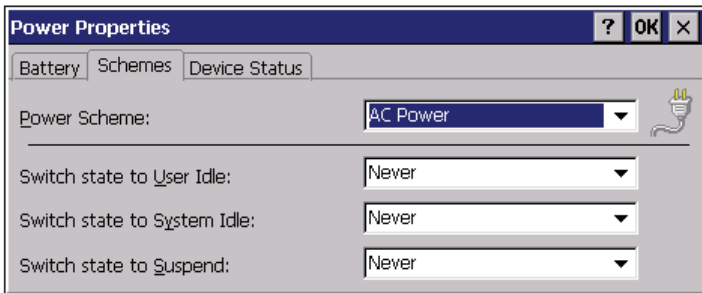
You can extend the CT1100 battery life by doing either of the following:

- Change the automatic power settings
- Minimize the use of the backlight

Changing the Automatic Power Settings

To change the automatic power settings:

1. In the Power Properties screen tap the **Schemes** tab.



2. Tap the arrow next to the Power Scheme and select Battery Power.
3. Tap the arrows next to the following three power saving scenarios and select the desired time out for each item.
 - Switch state to User Idle: CT1100 enters power saving mode when there is no user input after the selected timeout. The backlight brightness is reduced. The backlight resumes normal brightness when the LCD is touched.
 - Switch state to System Idle: CT1100 enters power saving mode when there is no system activity after the selected timeout. The backlight is turned off. The backlight turns on again when the LCD is touched.
 - Switch state to Suspend: CT1100 enters suspend mode when there is no user input or system activity after the selected timeout.


Time out values range from Never, and 4/5/10/30 minutes.

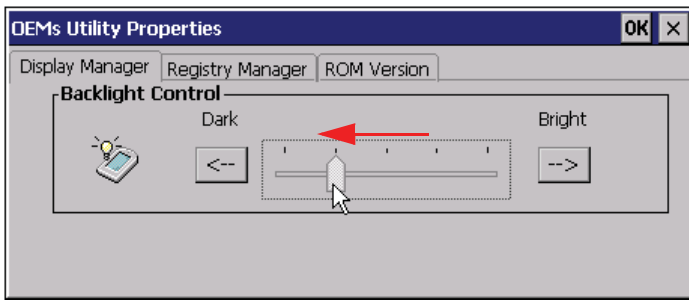
Adjusting Backlight Setting

The power consumption of the LCD backlight may be high, turn off the backlight function if it is not necessary.

If a backlight is required, set “automatically turn off the backlight” function.

To change backlight settings:

1. Tap  **Start** → **Settings** → **Control Panel**.
2. Tap **OEMs Utility**.
3. Select Display Manager, and tap the arrow next to Dark or drag the slider to the left to reduce the screen brightness.



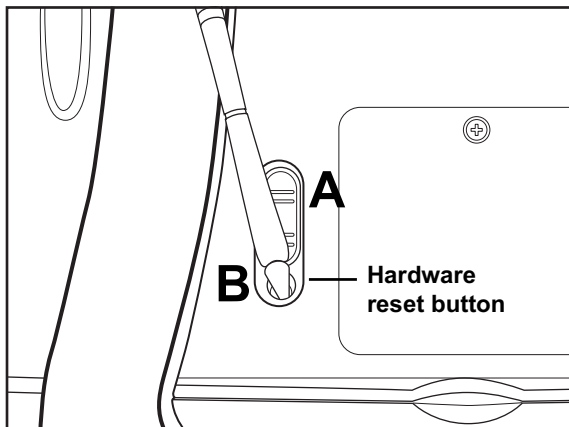
Performing a Reset

You may have to perform a reset if the device freezes (i.e., device no longer responds to the buttons on the screen). A reset allows your device to get a fresh start, similar to rebooting a computer. You can perform a software reset or a hardware reset.

- **Software reset:** restarts the CT1100 and adjusts memory allocation. All records and entries are retained after a reset. Unsaved data in open programs may in some cases be lost.
- **Hardware reset:** the system reverts to default factory settings. All data, installed programs, and settings are lost.

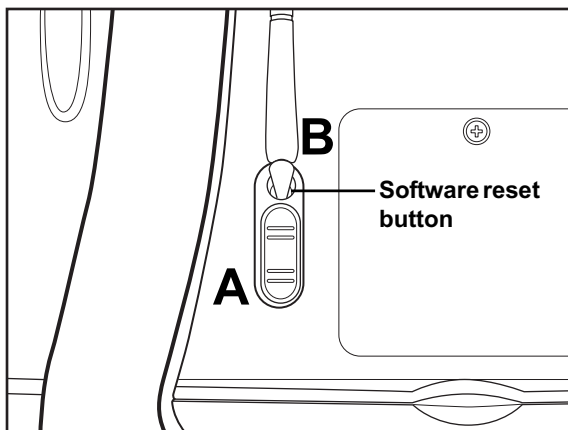
Performing a Hardware Reset

1. Remove the stylus from its holder.
2. Press the reset switch to expose the hardware reset button (A).
3. Press the tip of the stylus to the hardware reset button (B).



Performing a Software Reset

1. Remove the stylus from its holder.
2. Press the reset switch to expose the software reset button (A).
3. Press the tip of the stylus to the software reset button (B).



Appendix A

System Specifications

Item	CT1100
Operating System	Windows CE 5.0
Processor	Intel PXA270 520MHz
Memory	128MB SDRAM on board 128MB Flash ROM(M-System) on board
Display	10.4-inch TFT LCD, SVGA resolution (800 X 600)
Touch Panel	Resistive touch panel
Audio System	AC-97, Internal microphone and one speaker (stereo supported via headphone jack)
Application Buttons	5 programmable function keys 1 x Navigation pad 1 x software reset button 1 x hardware reset button
Communication	802.11b/g WLAN module built-in with internal antenna
External I/O Interfaces	One RS-232 port Two USB type A connectors One RJ45 for 10/100Mbps Ethernet port One PCMCIA type II slot One SD slot One stereo headphone jack One microphone jack One VGA output One DC-in jack One Docking connector for cradle

Item	CT1100
Main Battery	Rechargeable Li-ion 2200mAh 4 cells pack (4S1P)
Power Adapter	Universal AC 100V ~ 240V, 50~60Hz input, 19V, 3.16A for output voltage & current
Physical	Supports one hinge stand 295mm(W) x 238mm(H) x 30 ~ 39mm(D) 1.6Kg
Environment	Operating Temperature: 0 to +40°C
	Storage Temperature -20 to +60°C
	Charging Temperature 0 to +50°C
	Operating Humidity 20% ~ 80% non-condensing
Rugged Specification	IP53, 3 feet drop to concrete
Certification	CE, FCC, cUL/UL, TUV, CB, CCC
Accessories	<ul style="list-style-type: none"> • One AC-Adapter & power cord • Stylus • Cradle (one LED, one DC-in jack, USB type B x 1, two USB Type A connectors one pad connector) • Battery

Appendix B

Maintenance

Maintaining the Battery Pack

- Do not expose heat to or attempt to disassemble a battery, and do not place a battery in water or in fire.
- Do not subject batteries to strong impacts, such as hitting them with a hammer, stepping on or dropping them.
- Do not drop, puncture or disassemble batteries.
- Do not attempt to open or service the battery pack.
- Replace only with the battery pack designed for this product.
- Keep out of reach from children.
- Dispose of used batteries according to local regulations.

Maintaining your LCD Display

- Do not scratch the surface of the screen with any hard objects.
- Do not spray liquid directly on the screen or allow excess liquid to drip down inside the device.
- Do not place anything on the screen at any time to prevent screen damage, for example, drink or food.
- Cleaning the LCD display should only be done with a soft cloth dampened with denatured alcohol or a proprietary LCD screen cleaner.

Cleaning the CT1100

- Turn off the CT1100 and unplug the power cord.
- Wipe the screen and the exterior with a soft, damp cloth moistened only with water. Do not use liquid or aerosol cleaners on the screen, it will discolor the finish and damage the screen.