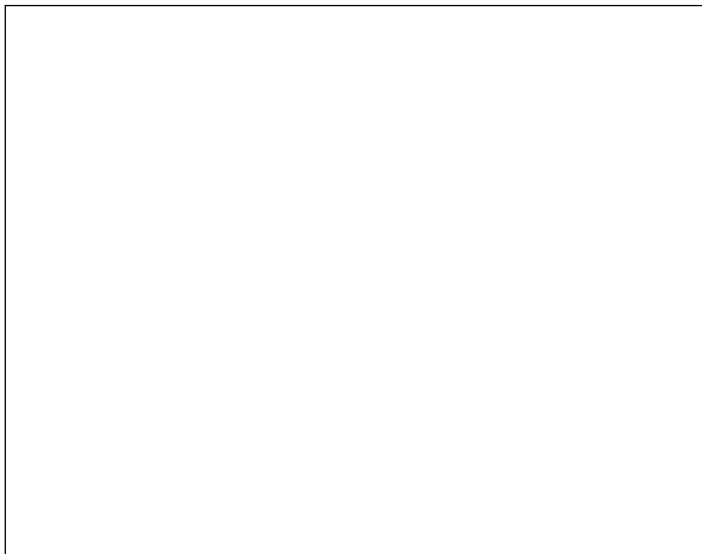


# User Guide

Pantech P4100



**PANTECH**

A decorative orange line graphic that starts on the left, curves upwards and to the right, then loops back down and to the left, ending in a small orange dot.

**PANTECH**  
P4100

## User Guide for Android 3.0 (Honeycomb)

Thank you for choosing the Pantech P4100, our latest device. The Pantech P4100 has many features designed to enhance your mobile experience. With its unique and stylish design, you will enjoy the entire the P4100 experience.

This user guide contains important and useful information that will maximize your familiarity with all that the Pantech the P4100 has to offer.

## Safety information

The following list shows tips to preserve your device as you use it.

- Keep your device and its accessories out of the reach of children and pets.
- Keep your device in dry conditions and keep it within normal operating temperatures: it may be damaged at temperatures higher than 131°F/55°C or lower than -4°F/-20°C.
- Do not dry your device in a microwave oven: sparks may occur and cause an explosion or fire.
- Do not use or store your device in dusty, dirty areas.
- Do not disassemble your device.
- Do not drop or cause severe impact to your device.
- Do not clean your device with chemical products, cleaning solvents or detergents.
- Contact your dealer immediately if your device does not work properly.
- Use only authorized batteries, battery chargers and accessories. Any malfunction or damage caused by the use of unauthorized batteries, battery chargers and accessories will void the limited product warranty.
- Ensure that the battery and the battery charger do not come in contact with conductive objects.
- For optimal performance, use cases and accessories that do not contain magnets.

## Safety precautions

The following list shows precautions to keep your device as you use it.

- Using a device while driving is prohibited: it can distract your attention and cause an accident. Always switch your device off to drive safely.
- Check local laws and regulations and comply with them, with regard to the prohibition of device use while driving.
- In an emergency, use a hands-free device built into your car or pull over in a safe place first.

## **Switch off in restricted areas**

Always switch your device off in areas where it is restricted to use it.

## **Switch off in an aircraft**

Always switch your device off or select the airplane mode (Tap **Settings** > **Wireless & networks** > **Airplane mode**) when you are in an aircraft. Electromagnetic waves emitted by your device may affect the electronic navigation equipment in the aircraft.

## **Switch off in hospitals and near medical equipment**

Always switch your device off in hospitals and obey their regulations. Switch your device off when using medical equipment for private purposes. Always consult with the medical equipment manufacturer or an expert regarding the use of the device near medical equipment.

## **Switch off in dangerous areas**

Always switch your device off in areas where explosive or dangerous materials (e.g. fuels or chemical products) are located, and obey relevant instructions or signals. Do not insert or remove your device's battery in such areas.

## **Install a hands-free device in a safe location**

Install a hands-free device away from the steering wheel and airbag expansion areas. Otherwise you can be injured in a car accident.

## **Keep away from other electronic devices**

Devices emit electromagnetic waves that may affect nearby electronic devices. After switching on your device, do not place it close to other electronic goods.


# Basic instructions

## Useful tips

To understand information contained in this user guide, please keep in mind the following:

- It is assumed that you start operating applications of the P4100 from the applications menu.
- Words in bold fonts refer to the relevant action on the screen. For example, “Tap **Maps**”



means that you have to tap **Maps** below the Maps icon . Words might be placed below or next to an icon or included in the text.

- Words in all capital letters refer to hard keys of the P4100. For example, LOCK/PWR indicates the lock/power key on the top right of the device that locks the screen or turns on/off power.
- The symbol “>” refers to the next action. For example, “Tap **Settings > Language & keyboard**” means that you should tap Settings first and Language & keyboard next.
- Applications menu refers to the screen where all applications of the P4100 appear.
- Home screen refers to the screen that appears first in the idle mode.
- Idle mode refers to the status when you stay on the home screen ready to run an application.
- Channels through which you can share items (e.g. contacts and pictures) increase as you subscribe to a service. For example, if you sign up for Facebook or Twitter, you can also share information with others through Facebook or Twitter.

## Google accounts

It is recommended that you have a Google account registered to use some applications provided by Google, e.g. Calendar, Latitude, Market, Talk and Gmail of the P4100. For more information on setting up the Google account, refer to Activating the P4100 on page XX.

## **Pop-up windows**

Pop-up windows can appear on the screen in the following cases and the running application(s) can stop operating:

- When the remaining battery capacity is insufficient;
- When the remaining memory space is insufficient.

In the mentioned cases, charge the battery or secure enough memory space and take the relevant steps.

Please note that Instructions of this user guide are written based on the default settings of the device. Therefore, captured images or functions may differ according to the updated Android Operating System. For more details, please inquire at the nearest dealer.

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## **Getting Started**

Inside the package

Installing the SIM/USIM card  
Installing the microSD™ CARD  
Charging battery  
Turning the P4100 on/off  
Unlocking screen  
Locking screen  
Using touch screen  
Product overview  
Activating the P4100

# Getting Started

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Follow the outlined steps that should be taken first before using the P4100.

## Inside the package

The package should contain the following items:

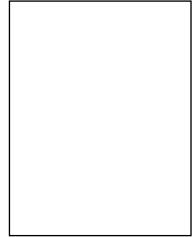
- Handset
- Battery
- MicroSD™ CARD
- Adapter
- Getting Started CD
- USB cable

It is recommended that you purchase the following accessories to use the P4100 in a safe and convenient manner:

- USB data cable
- Earphone or headphone
- HDMI cable
- External memory card adaptor
- LCD protective film
- Protective case

## Installing the SIM/USIM card

1. Remove the battery cover by pressing and holding the latch and sliding it up until it is detached from the body.
2. Insert the SIM/USIM card into the slot. Ensure that the gold contacts of the card go against the metal contacts of the P4100.
3. Close the battery cover by sliding it up until you hear “click.”



**Note** It is recommended that you remove the battery cover with both hands since the P4100 is relatively too big to handle with single hand.



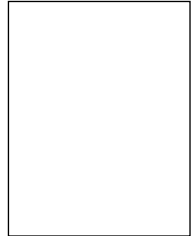
### About the SIM/USIM card

When you subscribe to the network operator, you receive the Subscriber Identity Module (SIM) card or the Universal Subscriber Identity Module (USIM) card that contains your registration information, PIN code and others. Please keep it secure and handle carefully. Do not bend, scratch or expose it to moisture. Avoid static electricity.



## Installing the microSD™ CARD

1. Remove the battery cover by pressing and holding the latch and sliding it up until it is detached from the body.
2. Insert the micro SD card into the slot. Ensure that the gold contacts of the card go against the metal contacts of the P4100.
3. Close the battery cover by sliding it up until you hear “click.”



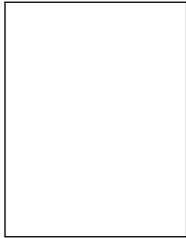
### **About the microSD™ CARD**

A microSD™ CARD is a removable flash memory card where you can save data. Save pictures and contacts, and download applications to the SD card. You can expand the external memory up to 32GB. It is recommended that you format the microSD™ CARD before using the P4100.

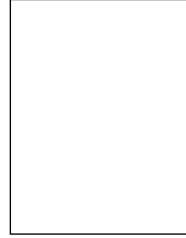
For more information on formatting the microSD™ CARD, refer to page xx.

## Charging battery

1. Open the protective cover on the down side of the P4100 and connect the charger adaptor to the USB connector. Make sure to align the connector as indicated in the image. Otherwise, the charging connector will be damaged and the battery will not be charged.



Correct



Incorrect

2. Plug in the charger adaptor to an electrical outlet. The battery starts to be charged.
3. Disconnect the charger from the P4100 when the battery is fully charged.

**Note** Make sure to charge the battery by connecting the P4100 to power using the charger adaptor. If you connect the USB cable to the P4100, the battery will not be charged.

## Turning the P4100 on/off

To turn on the P4100,


1. Press and hold the LOCK/PWR key for a few seconds.
2. Unlock the screen.

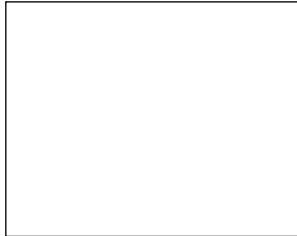
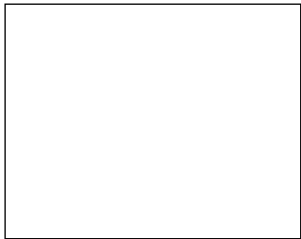
To turn off the P4100,

1. Press and hold the LOCK/PWR key.
2. Tap **Power off**.
3. Tap **OK**. The screen will turn off in a few seconds.

## Unlocking screen

The screen is locked by default when you turn on power. To unlock the screen,

1. Press the LOCK/PWR key.
2. Drag  and draw a circle until the screen is unlocked. Draw a pattern if the screen is protected by pattern lock. Enter a PIN or a password if the screen is locked by a PIN or a password.



## Locking screen

To lock the screen, press the LOCK/PWR key. It is recommended to lock the screen to protect information in the P4100 and save the battery. If you want to have the P4100 locked automatically in a predetermined time, refer to page xx for screen timeout.

## Using touch screen

Run an application or perform functions with the touch screen. The following finger actions help you easily understand how to use the touch screen and the P4100.

- **Tap:** Touch an item with your finger once to access a menu or an option.
- **Double tap:** Tap an item twice with your finger.
- **Drag:** Tap and hold your finger on an item and move it without losing contact with the screen.
- **Flick:** Place a finger on an empty space of the screen and move the screen up or down, or left or right.
- **Pinch:** Place two fingers on the screen and move them apart to zoom in a picture, a document or a web page, or move them together to zoom out.
- **Select and tap:** Tap an item in the list of options available.
- **Press and hold:** Press a key, button or any item for a few seconds.

## Cautions

- Do not use sharp tools that can scratch the touch screen.
- Do not allow the touch screen to come in contact with water or chemicals. The screen may malfunction in humid conditions or in chemicals.
- Do not sit on the P4100. The touch screen can be damaged.

## Product overview

Front view



Key	Function
Power/Lock	Locks the screen; turns on/off the P4100
Volume	Adjusts all sound volumes
Ear jack	Provides sound via

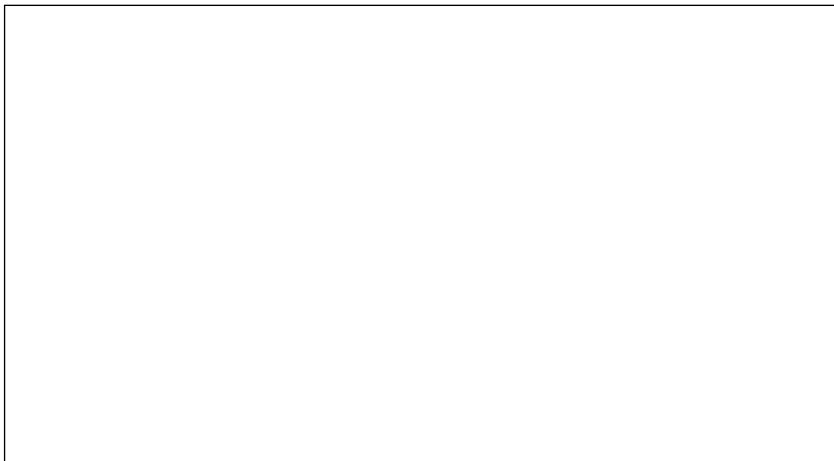
**Note** Make sure not to cover the proximity sensor with the LCD protection film. If the sensor is covered, you might experience difficulties using the touch screen.

## Side views



<b>Key</b>	<b>Function</b>
Reset	Resets the P4100
Micro USB port	Connects the P4100 and your PC via the USB cable
HDMI port	Connects the P4100 and digital devices via the HDMI cable
SIM card slot	Inserts the SIM card for 3G network
MicroSD™ CARD slot	Inserts the microSD™ CARD

Rear view



<b>Key</b>	<b>Function</b>
Rear camera	Takes a photo

## Activating the P4100

Go through the following steps when you turn on the P4100 for the first time.

### Learning how to use the P4100

1. Press and hold the Power/Lock key to turn on the P4100.
2. Tap the android.
3. Select and tap a language for the P4100 and tap **Next**.
4. Tap **Mobile network, Wi-Fi or Wi-Fi only**, for Internet connection and tap **Next**.
5. Tap **Connect to Wi-Fi network > Next** if you want to establish a connection to the Wi-Fi network. Or tap **Next** if you want to connect to the network later.
6. Select and tap an available Wi-Fi network if you have tapped **Connect to Wi-Fi network > Next** in step 5. Follow the necessary steps to connect to the Wi-Fi network.
7. Check the mobile network or Wi-Fi network and tap **Next**.
8. Tap **See location in applications (such as Maps) using wireless networks** to Use Google location, tap **Agree for Location consent**, and tap **Next**.
9. Tap **Google account** if you want to set up a Google account and follow the necessary steps, or just tap **Next**. For more information on creating a Google account, refer to the next section.
10. Check how to unlock screen and tap **Next** in the middle of the screen.
11. Check how to use the function key and tap **Next**.
12. Tap **Tap here to start typing** in the middle of the screen if you want to learn how to use the onscreen keyboard and follow the instructions. Or you can tap **Skip** and learn it later.

### Creating a Google account

After finishing learning how to use the P4100:

1. Tap **Settings > Accounts & sync > Add account**.
2. Tap **Google > Next > Create**.
3. Enter your first name, last name and user name for the account, and tap **Next**. The user name should be 6–30 characters long. You can select an alternative.
4. Tap **Next > Connect to Wi-Fi** if you have not connected the P4100 to the Wi-Fi network and follow the instructions.
5. Enter a password and enter it again to confirm. You should enter at least 8 characters.



6. Tap **Next**.
7. Select and tap a security question and enter an answer.
8. Enter a secondary email address and tap **Create**.
9. Tap **I agree, Next** for the Google Terms of Service.
10. Tap **Try again** if your password is too weak for a password or contains invalid characters.
11. Repeat the steps 5 to 9.
12. Type the characters that appear on screen and tap **Next**.
13. Tap **Sync Contacts** if you want to synchronize your contacts. Tap **Sync Gmail** if you want to synchronize Gmail.
14. Tap **Finish setup**.

# Basics

Adjusting the volume

Status and Notification Icons

Using a Wi-Fi Network

Connecting to 3G or Wi-Fi

Understanding home screen

Customizing home screen

Editing applications menu

# Basics

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Learn basic instructions on how to use the P4100.

## Adjusting the volume

1. Press the volume key + to increase the volume. Press the volume key - to decrease the volume.

**Note** Press the volume key in the idle mode if you want to adjust the ringer volume. If you want to set it to the vibration mode, press the volume key all the way down until the mode appears.




## Setting silent mode

1. Tap **Settings > Sound > Silent mode**. All other functions accept the media volume and alarms are silenced if you select this option.
2. Tap **Silent mode** again to activate all functions.

## Entering text

Enter messages for SNS or type a keyword to searching for in the Internet, using the virtual keyboard.

## Entering text for messages

1. Tap on the screen for a message: a virtual keyboard appears on the screen.
2. Enter a message. As you keep typing a word, suggested or related words appear below: tap one that you find appropriate.
  - If you want to correct a typo for a word, tap on the screen where you want to edit and the cursor  appears on the screen. Correct the word.
  - If you want to change a whole word, press and hold the screen and tap **Select word**.  indicates the start point of the word to be changed;  indicates the end point.

## Copying and pasting text

1. Drag a word, phrase or sentence that you want to copy.
2. Press and hold the dragged part.
3. Tap **Copy text**.
4. Run an application to edit documents.
5. Press and hold the screen and tap **Pasting text**.















## Entering text via Swype (TBD)

## Checking the network and the notification bar

Check how the network is working around your current location as well as the current status, simply by tapping on the right bottom of the screen.


## Status Icons

Icons below indicate the current status of the P4100. Check them and take necessary steps.

Icon	Description	Icon	Description
	Connected to a Wi-Fi network		USB tethering is active.
	Sync in progress		USB tethering or Portable Wi-Fi hotspot is not active.
	The GPS is active.		The speakerphone is active.
	Bluetooth is connected		Strength of battery: The greener, the more it is charged.
	Bluetooth is active but not connected to other device.		The battery is charging.
	A file is ready to be delivered from other device.		Music is being played.
	Portable Wi-Fi hotspot is active.		There is no SIM/USIM card.

## Notification icons

Icons below indicate specific notifications. Check them and take necessary steps.

Icon	Description	Icon	Description
	There is an upcoming event.		

## Using a Wi-Fi network

### Connecting to a Wi-Fi network

1. Tap **Settings** from the applications menu.
2. Tap **Wireless & networks > Wi-Fi settings**.
3. Tap **Wi-Fi** to activate the technology.
4. Select and tap a network. You should enter the password if the network is secured. **Wi-Fi** indicates a secured Wi-Fi network.
5. Tap **Connect**. Once the network is remembered, the P4100 will automatically connect to it when in range.

### About network notifications

You are informed by default when a Wi-Fi network is available around you. The message **Wi-Fi** in the status bar indicates a network is available. Tap **Network notification** in the Wi-Fi settings if you do not want to be informed the availability of the network.

## Setting Wi-Fi networks

1. Tap **Settings** from the applications menu.
2. Tap **Wireless & networks > Wi-Fi settings**.
3. Tap **Wi-Fi** to activate the technology.
4. Tap **Automatic connection** if you want the P4100 to connect to the Wi-Fi network automatically.
5. Tap **WPS connection** and tap **Button connection** or **PIN connection** if you want to establish a new wireless connection using the Wi-Fi Protected Setup (WPS). You should press WPS button or enter PIN on your Wi-Fi access point within two minutes.

## Searching for Wi-Fi networks

1. Tap **Settings** from the applications menu.
2. Tap **Wireless & networks > Wi-Fi settings**.
3. Tap **Wi-Fi** to activate the technology. The P4100 scans networks automatically every six seconds. The newly found networks appear on the bottom of the list.

## Adding a Wi-Fi network

1. Tap **Settings** from the applications menu.
2. Tap **Wireless & networks > Wi-Fi settings**.
3. Tap **Wi-Fi** to activate the technology.
4. Tap **Add Wi-Fi network**.
5. Enter Network SSID and select the security type among **Open**, **WEP**, **WPA/WPA2 PSK** and **802.1x EAP**. Aside from **Open**, you must enter a password for the network.
6. Tap **Save**.

## Disconnecting to a Wi-Fi network

1. Tap the network that is connected to the P4100.
2. Tap **Forget** to disconnect with the network.

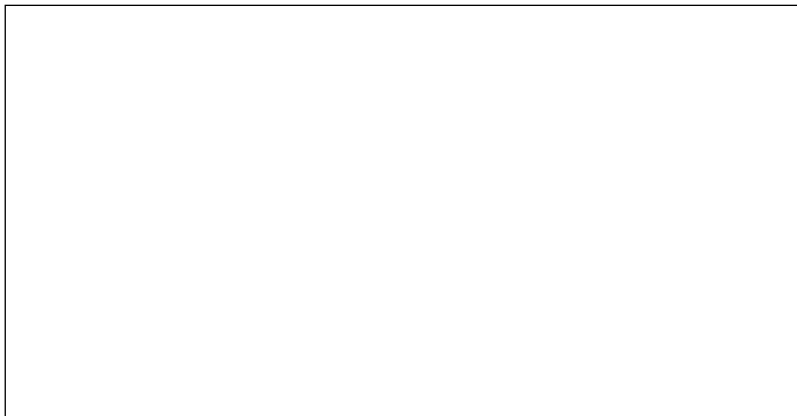
## Connecting to a 3G network

Use 3G (or EDGE if available) to connect the P4100 to the Internet. You will need a data plan to

access a 3G network. 3G settings are already preconfigured on the P4100, and it is ready to use 3G services. Please do not change the settings: services might stop working.

## Understanding home screen

### Home screen overview



Button	Function
Google search	Searches text-based information
Voice search	Searches information with your voice
Locator	Indicates the location of the screen
Applications	Opens the applications menu
Add	Adds a widget, shortcut or folder to home screen
Network/battery status	Displays the network/battery status
Time	Displays the current time
Multitasking key	Displays all the functions that are currently working
HOME key	Moves to home screen
BACK key	Returns to the previous menu

## Changing the view mode

The view of the P4100 is set to the landscape view by default. If you want to use the P4100 in the portrait view, turn it to the left or right: the view changes automatically by the embedded sensor.

## Customizing home screen

Make your own home screen by adding widgets, shortcuts or changing wallpapers. Note that you have to secure enough space on home screen.

### Adding a widget

1. Tap **+** on the right side of the top of home screen.
2. Tap **Widgets** in the middle of the screen. You can see widgets that can be added to home screen.
3. Drag the widget that you want to add to home screen, to one of five screens on the top of the screen.
4. Tap the Back key if you finish adding widgets to home screen.

**Note** You can also make a shortcut of an application and change the wallpaper following the same steps.

### Deleting a shortcut or a widget from home screen

1. Press and hold a shortcut or widget you want to delete.
2. Drag it to **Remove** on the right side of the screen and release it.

### Selecting the language


1. Tap **Settings > Language & keyboard > Select language**.
2. Select and tap a language that you want to use for the P4100.

**Note** It is recommended to set the language option first before using other functions.




# Editing applications menu

## Relocating applications

1. Tap **Apps** in the idle mode.
2. Tap **All** or **My apps**. **My apps** indicates applications that you have downloaded on the P4100. **All** indicates applications that are installed by default on the P4100 plus applications of **My apps**.
3. Tap  on the top right side of the screen.
4. Press and hold an application that you want to move and drag it to the place where you want to.
5. Tap **Exit** if you finish relocating applications on the screen.

## Uninstalling applications



1. Tap **Apps** in the idle mode.
2. Tap **All** or **My apps**.
3. Tap  on the top right side of the screen. An application with the mark “X” indicates that it can be uninstalled.
4. Tap the application to install. You can uninstall more than one application at once.
5. Tap **Uninstall** if you want to uninstall the selected applications.
6. Tap **Exit** if you finish uninstalling applications from the P4100.

## Adding an application shortcut to home screen


1. Tap **Apps** in the idle mode.
2. Tap **All** or **My apps**.
3. Press and hold an application that you want to add to home screen. You can see five screens on the bottom of the screen where you can place the application shortcut.
4. Tap the BACK key if you finish adding an application shortcut to home screen.

## Changing applications menu view

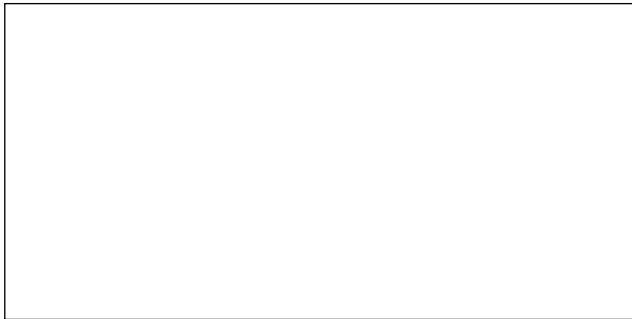
1. Tap **Apps** in the idle mode.
2. Tap **All** or **My apps**.



3. Tap . You can see applications by an alphabetic order. Tap  if you want to see applications at a glance.

## Searching for applications

1. Tap **Apps** in the idle mode.
2. Tap **All** or **My apps**.
3. Tap  and enter the name of the application to search.
4. Tap an application if you want to run it.
5. Tap **X** or the BACK key if you finish searching for applications.

## Applications menu overview



Button	Function
All	Displays all applications
My apps	Displays applications that you have downloaded
Search	Searches for applications
Market	Access the Google Market
	Displays applications that can be uninstalled or added to home screen
	Changes the applications view

# Web

Using the web

Adding bookmarks

Viewing browser history

Setting options


# Web

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## Using the web

Access the Internet if you want to search for information. Note that the Google Chrome Lite is set to the web browser software by default.


### Searching for information in the Internet

1. Tap **Web** from the applications menu.
2. Tap on the search box and type the keyword using the virtual keyboard.
3. Tap **Go** or tap  in the virtual keyboard.
4. Pinch two fingers apart on the screen if you want to zoom in the web page. You will not zoom in some web pages to the maximum if they are optimized for mobile devices.
5. Tap **Menu** button and **Back** or **Forward** if you want to visit the previous web page again.



### Changing the home page

1. Tap **Web** from the applications menu.
2. Tap Menu button and **More**.
3. Tap **Settings > Set home page**.
4. Enter a new URL if you want to change the home page, and tap **OK**.
5. Tap **Use current page** if you want to use the current page as the home page.


### Using voice search

1. Tap **Web** from the applications menu.
2. Tap on the search box and tap  in the virtual keyboard.
3. Speak a keyword as clearly as you can.
4. Select and tap the web page in the search result.

### Refreshing a page

1. Tap  to refresh the page.
2. Tap  to stop refreshing the page.

## Visiting a new page

1. Tap **Web** from the applications menu.
2. Tap the address bar and enter a new URL.
3. Tap **Next** to the address bar or tap  in the virtual keyboard.

## Accessing the Internet via secret window (TBD)

### Opening a new window

1. Tap **Web** from the applications menu.
2. Tap **Menu** button and **New window**. Another window appears.

### Managing multiple windows

1. Tap **Web** from the applications menu.
2. Tap Menu button and **Windows**.
3. Select and tap a window on the bottom of the screen that you want to see.
4. Tap on the screen. You can see the window in full screen view.

## Adding bookmarks

1. Tap **Web** from the applications menu.
2. Tap Menu button and **Bookmarks** while you are visiting a web page.
3. Tap **+Add** on the top of the screen.
4. Enter the name and location of the website and tap **OK**.

## Viewing browser history

1. Tap **Web** from the applications menu.
2. Tap **Menu** button and **Bookmarks**.

3. Tap **Most visited** if you want to see web pages that you visit the most. Tap the star icon next to the website if you want to add it to bookmarks.
4. Tap **History** if you want to see past browsing activity. Tap Menu button and **Clear history** if you want to delete the browsing history.

## Setting options

### Setting search options

1. Tap **Google Search** from the applications menu.
2. Tap **Menu** button and **Search settings**.
3. Tap **Google search**.
4. Tap **Show web suggestions** if you want to see suggestions from Google as you search through Google. The check box is selected by default.
5. Tap **Use My Location** if you allow your location to be used for Google search results.

### Setting the display options

1. Tap **Web** from the applications menu.
2. Tap Menu button and **More > Settings**.
3. Tap **Text size**, and select and tap your preferred text size.
4. Tap **Default zoom**, and select and tap your preferred zoom mode.
5. Tap **Block pop-up windows** if you want to prevent pop-up windows from appearing. The check box is selected by default.

### Setting privacy options

1. Tap **Web** from the applications menu.
2. Tap Menu button and **More**.
3. Tap **Settings**.
4. Tap **Clear all cookie data > OK** if you want to delete all cookie data.
5. Tap **Clear form data > OK** if you want to delete all form data.

# Applications

Camera

Recording Video

Photo Frame

Sketchpad

Video Player

DLNA

Voice Memo

Music Player


# Applications

---

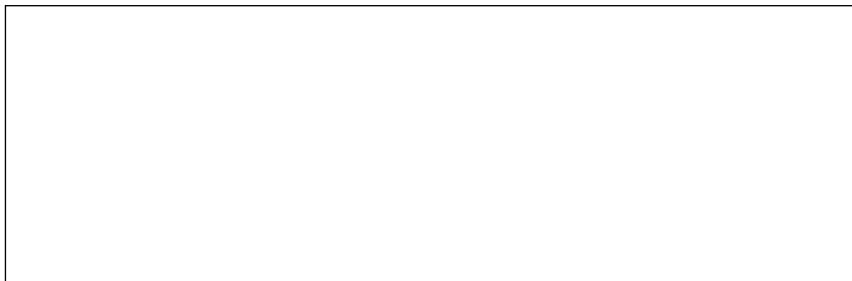
## Camera

Take pictures and record videos with the built-in camera. They can be saved and used via available applications.

### Taking pictures

1. Tap **Apps** > **Camera** for a few seconds.
2. Tap **Menu** button if necessary.
3. Focus on the object and tap  . The taken picture is saved automatically.

### Camera screen overview




Feature	Icon	Description
Status		Displays the status of camera settings: GPS, ISO, Shot mode, No., Front/Back lens, Video/Camera
Favorite Menu		Registers the favorite option menus
Focus		Focuses on the center of the picture.
Shutter		Takes a photo.




## Selecting shooting options

1. Tap the menu button while in the camera mode.
2. Tap and select **Shooting Options**.
3. Tap **Done**.


## Changing shooting mode

1. Tap the menu button while in the camera mode.
2. Tap  and change the shooting mode.
3. Tap **Done**.

## Adding Effects


1. Tap **Menu** button while in the camera mode.
2. Tap  and select effects.
3. Tap **Done**.


## Changing settings

1. Tap the menu button while in the camera mode.
2. Tap  and adjust settings.
3. Tap **Done**.

## Options menu overview (TBD)

## Recording a video


1. Tap **Apps > Camera** for a few seconds.
2. Tap  and change to the video mode.
3. Tap **Menu** button if necessary.

4. Focus on the object and tap . You can record a video by up to one hour.


## Selecting shooting options

1. Tap the menu button while in the video mode.
2. Tap and select **Shooting Options**.
3. Tap **Done**.

## Adding effects

1. Tap the menu button while in the video mode.
2. Tap  and select effects.
3. Tap **Done**.

## Changing settings

1. Tap the menu button while in the video mode.
2. Tap  and adjust settings.
3. Tap **Done**.

## Add Favorites menu

1. Tap the menu button
2. Press and hold the desired option menu.
3. Drag the menu to favorite menu area.

## Video Player

Watch the video of various formats.

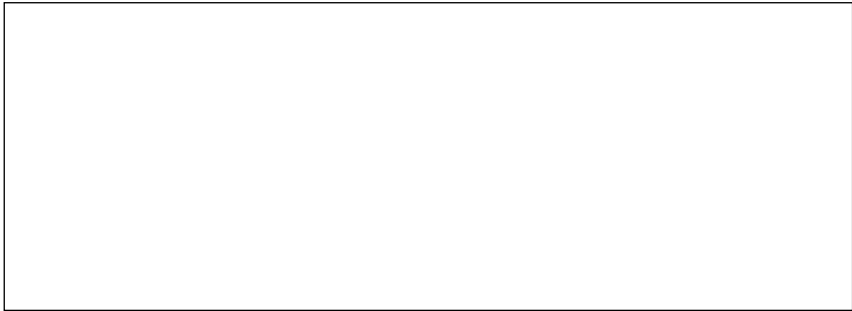
## Watching videos










1. Tap **Gallery** from the applications menu.
2. Select a video to view. An item with **Play** is a video.
3. Tap **Video Player** to watch the video. The video changes to the full view in two seconds. If the video has been played for more than ten seconds, it will resume playing from the

previous part.

**Note** If the video is protected by the DivX codec, you have to register the P4100 to play it. The registration code is [      ]. Visit <http://vod.divx.com> and register the code.

## Video Player overview




<b>If you want to do the followings:</b>	<b>Do this:</b>
Play the video	Tap 
Pause the video	Tap 
Move to the next video	Tap 
Fast-forward the playing video	Press and hold 
Move to the previous video	Tap 
Rewind the playing video	Press and hold 
Provide bookmarked clips of the video	Tap 
Adjust the screen ratio	Tap 
Display information of the playing video	Tap 

## Supported formats


Make sure to install the following codecs to watch videos.

Video codec	MPEG4, H.263, H.264, VC-1 (WMV), DivX/XviD
Audio codec	MP3, AAC/AAC+/eAAC+, AMR-NB/WB/WB+, QCELP/EVRC, AC3, DTS
Video file format	3GP (MPEG-4), WMV (ASF), AVI, MKV

## Using Bookmark

1. Tap  while in playing video.
2. Tap the desired thumbnail image. You can see the bookmarked segment of the video.

## About Properties

1. Tap  while in playing video. You can view the following information: File size, Duration, Format, Resolution, Date created, Production info.

## Watching a video on the web

1. Tap the video that you want to see while you are accessing the Internet.
2. The video starts playing while the whole file is being downloaded. The screen will go back to the previous web page when the video is finished.

## Music Player

Enjoy music on the P4100. Make sure to insert a microSD™ CARD to transfer music to the P4100 and listen to it.







## Playing music

1. Tap **Music Player** from the applications menu.
2. Select and tap a file from the list sorted by the alphabetic order. Files that the P4100 offers include MP3, AAC, AAC+, eAAC+ and WMA.
3. Tap **Play All** to listen to all files.

**Note** Press and hold the artist name, album title or song if you want to search for related information with the Internet or YouTube.

## Music Player overview



If you want to do the followings:	Do this:
Play the video	Tap 
Pause the video	Tap 
Move to the next video	Tap 
Fast-forward the playing video	Press and hold 
Move to the previous video	Tap 
Rewind the playing video	Press and hold 

## Adding sound effects

1. Tap **Music Player** from the applications menu.
2. Tap **Menu** button and **Settings**.
3. Tap **Sound Effect**.
4. Add sound effects according to your preferences.
5. Tap **Done**.

## Creating a playlist

1. Tap **Music Player** from the applications menu.
2. Tap **Songs > Playlists**.
3. Tap **Add new playlist** or tap **Menu** button and **New Playlist**.

4. Enter the name of the playlist and tap **Done**.

## Adding songs to a playlist

1. Tap **Music Player** from the applications menu.
2. Tap **Songs > Playlists**.
3. Press and hold the playlist you would like to add songs to and tap **Add Tracks**.
4. Select and tap the check box next to the song(s) that you want to add to the playlist.
5. Tap **Add**.

## Removing songs from a playlist

1. Tap **Music Player** from the applications menu.
2. Tap **Songs > Playlists**.
3. Press and hold a playlist and tap **Remove Tracks**.
4. Select and tap the trash bin next to the song(s) to remove. You cannot remove a song that is playing.
5. Tap **Done**.

## Music Player Settings

1. Tap **Music Player** from the applications menu.
2. Tap **Menu** button and **Settings**.
3. Tap **Shuffle** if you want to shuffle the songs in the playlist.
4. Tap **Repeat** and tap **Repeat all**, **Repeat single track** or **Repeat off**.
5. Tap **Shake gesture** if you want to listen to the previous or next track simply by shaking the P4100 to the left or right.

## Viewing information

1. Tap **Music Player** from the applications menu.
2. Press and hold a file to see information.
3. Tap **Properties**.
4. Scroll up or down to view information.

## Supported audio codec

Make sure to install the following codecs to listen to music files.

Audio Codec	Ogg VORBIS, MP3, AAC / AAC+ / eAAC+, WMA
Container Support	Ogg, mp3, aac, wma, 3gpa/mp4a

## Sorting files by type

1. Tap **Music Player** from the applications menu.
2. Tap **Songs** on the top of the screen and select the option you would like to sort by. Songs is set up by default.

## Rating a file

1. Tap **Music Player** from the applications menu.
2. Select and tap a file to rate.
3. Tap **Rating** icon while the file is playing and rate from one to five stars.

## Deleting files

1. Tap **Music Player** from the applications menu.
2. Tap **Menu** button and **Delete**.
3. Tap **Delete** button on the file to delete. When selected, the icon turns green.
4. Tap **Done**.

## Voice Memo

You can record your voice as memo.

## Recording Voice Memo

1. Tap **Voice Memo** from the applications menu.
2. Tap **Start** to begin record.
3. Tap **Pause** to hold recording.
4. Tap **Stop** to end recording. The recorded voice is saved automatically.

## About the possible recording time

The possible recording time changes according to the remaining memory space.

<b>When you can record for the following time:</b>	<b>The following message appears on the screen</b>
50 seconds – 60 minutes	The possible recording time
Less than 50 seconds	Less than one minute is possible
The memory capacity is less than 2MB	No space for recording

When less than 1MB remains for the memory space, the voice is saved automatically.

## Listening to voice memos

1. Tap **Voice Memo** from the applications menu.
2. Select and tap a recorded memo in the list and tap **Play**.

## Sharing a voice memo

1. Tap **Voice Memo** from the applications menu.
2. Press and hold a memo to share, and tap **Share**.
3. Tap **Bluetooth**, **Email** or **Gmail**.

## Deleting a voice memo

1. Tap **Voice Memo** from the applications menu.
2. Press and hold a memo to delete, and tap **Delete > OK**.

## Photo Frame

You can enjoy the Slide Show by your pictures and images.

## Running Photo Frame

1. Tap **Photo Frame** from the applications menu.
2. View photos by slide show. Photo Frame will end automatically if there are no saved images in the Gallery.



## Photo Frame overview



Feature	Description
Slideshow	Displays photos in a slideshow
Folder	Designates the folder where photos for slideshow are saved

## Selecting the photo folder

1. Tap **Photo Frame** from the applications menu.
2. Tap **Folder** button.
3. Select and tap the desired folder: All, Camera, Download, SD Card.

## Slideshow types

Division	Layout
1 division	Fade in/out (default), Flip, Gallery, Reflection, Revolve
2 divisions	Checkerboard, Blinds, Box, Window, Doorway
3 divisions	Glitter, Vortex, Flip

## DLNA (TBD)

Net Media enables you to use, share and enjoy media files between DLNA-enabled devices while the Wi-Fi feature is activated. Make sure to activate the Wi-Fi network first.

## About Digital Living Network Alliance (DLNA)

The Digital Living Network Alliance (DLNA) is a new collaborative organization who leads commercialization of global home network services. Its goal is to build compatible platforms by using standards-based technology in order to make it easier for DLNA-certified device users to share media contents through the home network.

## Clock tools

Clock Tools offers the current time in major cities and time zones around the world. World time is displayed first by default.

### Viewing the world time

1. Tap **Clock Tools** from the applications menu.
2. Tap **Add** and enter the name of a city. Type the first letter and you can find the city more easily.
3. Select and tap the city.

### Rearranging the order of cities

1. Tap **Clock Tools** from the applications menu.
2. Press and hold a city and drag it up or down to rearrange the order.

### Replacing main city

1. Tap **Clock Tools** from the applications menu.
2. Press and hold a city to replace and drag to the main area.

### Deleting cities

1. Tap **Clock Tools** from the applications menu.
2. Tap **Delete** and select **X** of the cities to delete

### Using the timer

1. Tap **Clock Tools** from the applications menu.
2. Tap **Timer**.
3. Select and tap the time in the list.
4. Tap **Start**.

**Note** You can reset the time by tapping **Reset** while the timer is running.

## Editing the timer

1. Tap **Clock Tools** from the applications menu.
2. Tap **Timer**.
3. Select and tap the time in the list.
4. Tap **Edit** or tap **Settings**, and set the time.
5. Tap **Set**.

## Using the stopwatch

1. Tap **Clock Tools** from the applications menu.
2. Tap **Stopwatch**.
3. Tap **Split > Lap**, and tap **Start**. This function is used when you want to measure time that takes to run for a certain distance.
4. Tap **Split > Split** on the top of the screen and tap **Start**. This function is used when you want to measure the accumulated time.
5. Tap **Reset** to restart the stopwatch.

## Notepad

Write notes and save them on the P4100.

## Creating a new note

1. Tap **Notepad** from the applications menu.
2. Tap **New Note**.
3. Enter the text by keypad
4. Tap **Save** to save the note. Or tap the **BACK** key.

## Notepad overview



### Reading a memo

1. Tap **Notepad** from the applications menu.
2. Tap a folder where you have saved memos, and tap a memo in the list.
3. Flick the screen to the left if you want to see the previous file in the folder. Flick the screen to the right if you want to see the next file.

**Note** When the note contains a telephone number, URL or email address, you can make a call to the contact, access the webpage or send an email to the recipient.

### Editing a memo

1. Tap **Notepad** from the applications menu.
2. Tap a memo in the list.
3. Edit the memo and tap **Save**.

### Sharing a memo

1. Tap **Notepad** from the applications menu.
2. Press and hold a memo to share, and tap **Share**.
3. Tap **Bluetooth**, **Email**, **Facebook**, **Gmail** or **Twitter**. Channels might vary depending on the memo type.

### Deleting a memo

1. Tap **Notepad** from the applications menu.
2. Tap a memo to delete and tap **Delete**. Or press and hold a memo to delete, and tap **Delete**.
3. Tap **OK**.

## Setting password

1. Tap **Notepad** from the applications menu.
2. Tap the Setting button and tap **Password Setting**.
3. Tap **ON** for Password Lock.
4. Tap **Set Password** and enter your password and tap **Continue**.
5. Enter the password. It should be at least 4-character long
6. Tap **OK**.

**Note** You have to enter a password to read memos that are protected by password. If you fail to type the correct password by five times in a row, you have to wait for one minute.

## Resetting password

1. Tap **Notepad** from the applications menu.
2. Tap the Setting button and tap **Password Setting**.
3. Tap **Set Password** and enter the old password and tap **Continue**.
4. Enter **New Password** and tap **Continue**.
5. Enter the password. It should be at least 4-character long.
6. Tap **OK**.

## Changing the skin color

1. Tap **Notepad** from the applications menu.
2. Tap the Setting button and tap **Folder Setting**.
3. Tap **Skin** and select and tap a color that you want to add to your skin.
4. Tap the BACK key if you finish changing the skin color.

## Sketchpad

You can draw and sketch on your picture and image.



## Drawing a Sketch memo

1. Tap **Sketchpad** from the applications menu.
2. Draw a memo with your finger. If there are saved memos, tap **Create new > Hand drawing memo**.

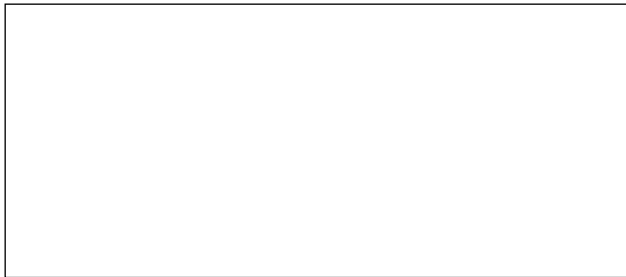
3. Tap **Save**.
4. Enter the name of the memo. The file name should not contain any of the following characters: \ / : \* ? " < > |.
5. Tap **OK**.

**Note** The message, "Memory Full" appears on the screen if the memory card is full of contents. Secure enough space if you want to save the sketch memo.



## Importing an image







1. Tap **Sketchpad** from the applications menu.
2. Tap  and tap .
3. Select and tap an image from the gallery.
4. Adjust the thickness, color of the pencil and the eraser.
5. Tap **Save** if you finish editing the image. Or tap the BACK key.

## Sketchpad overview




## Drawing tools

Feature	Icon	Description
Pen thickness		Changes the thickness of pen
Pen color		Changes the color of pen

Eraser		Erases the drawn sketch
Reset		Resets the sketch
Undo		Undoes the sketch. It becomes dimmed when there are nothing to be undone.
Redo		Redoes the sketch
Pan		Moves canvas
Background		Changes wallpaper

## Changing the view mode

1. Tap **Sketchpad** from the applications menu.
2. Tap . The saved images are displayed in the List view or Thumbnail view.

## Setting effects

1. Tap **Sketchpad** from the applications menu.
2. Tap on the screen and select effects.
3. Adjust the thickness, color of the pencil and the eraser.
4. Tap **Save** if you finish adding effect on the sketch.

## Searching for a file

1. Tap **Sketchpad** from the applications menu.
2. Tap the Search button and enter the name of file, and select the desired file.

## Changing a file name

1. Tap **Sketchpad** from the applications menu.
2. Tap the desired file in the list and tap **Settings**. Or press and hold the desired file.
3. Tap **Edit name** and enter the new name.
4. Tap **OK**.

## Saving a file to the gallery


1. Tap **Sketchpad** from the applications menu.

2. Tap the desired file in the list and tap **Settings**. Or press and hold the desired file.
3. Tap **Save to Gallery**.

## Sharing a file

1. Tap **Sketchpad** from the applications menu.
2. Tap the desired file in the list and tap **Settings**. Or press and hold the desired file.
3. Tap **Share** and tap **Bluetooth**, **Email**, **Facebook**, **Gmail** or **Twitter**. Channels might vary depending on the file type.

## Changing the background

1. Tap **Sketchpad** from the applications menu
2. Tap on the screen and tap .
3. Select and tap a background to change.

## Deleting a sketch

1. Tap **Sketchpad** from the applications menu.
2. Tap a Drawn memo in the list and tap **Delete** button. Or press and hold the desired memo, and tap **Delete**.
3. Tap **OK**.



# Google Mobile Service (GMS)

Market

Map

YouTube

Calendar

Talk

Gmail

Search

# Google Mobile Service

---

## Market

Download useful applications from the Android Market and use them for your purposes.

### Downloading applications

1. Tap **Market** from the applications menu.
2. Tap **Next** and follow the necessary steps for adding a Google account if you do not have a Google account.
3. Tap **Accept** on the Android Market Terms of Service if you are accessing the Android Market for the first time.
4. Tap **Apps** in the middle of the screen if you want to install useful applications.
5. Select and tap a category.
6. Tap **Top paid**, **Top free** or **Just in**.
7. Select and tap an application.
8. Tap **Install > OK** for free applications. Tap **Buy > OK** and follow the necessary steps for paid applications.

### Google Market overview



## Searching applications

1. Tap **Market** from the applications menu.
2. Tap **Search** button and enter the name or the keyword of the application that you want to install and tap **Enter** button or **Search** button.
3. Select and tap the application and install it.

## Running downloaded applications

1. Tap on the top of the home screen, drag the notifications down.
2. Tap the application that you have downloaded from the Android Market. **Complete Download** indicates that an application is completely downloaded. You can also run the application in the Applications screen.

## Deleting applications from the Android Market

1. Tap **Market** from the applications menu.
2. Tap **Menu** button and **My apps**.
3. Select and tap the application to delete.
4. Tap **Uninstall** > **OK**.

## Deleting applications from Settings

1. Tap **Settings** from the applications menu.
2. Tap **Applications** > **Manage applications**.
3. Select and tap an application to delete.
4. Tap **Uninstall** > **OK**.
5. Tap **OK**.

## Map

Google Maps offers useful information based on your region. Make sure to connect the P4100 to a Wi-Fi or 3G network. If you turn on the GPS function, you can obtain more accurate

information.

## Finding places

1. Tap **Maps**. You can see your current location on the map.

**Note** Make sure to connect to wireless networks or GPS satellites by tapping **Settings > Location & security** and tapping either **Use wireless networks** or **Use GPS satellites**.

2. Tap on the search box and type the keyword using the virtual keyboard and tap **Enter** button or **Search** button.

3. Tap **List** button if you want to see the result list. **List** button appears when there are many results that match your search.

4. Select and tap the location that you want to see, and check the related information.

## Zooming in and out of the map

1. Tap **(+)** to zoom in the map.

2. Tap **(-)** to zoom out of the map.

**Note** You can double-tap the screen to zoom in the map.

## Finding directions

1. Tap **Maps** from the applications menu.

2. Tap **Menu** button and **Directions**.

3. Enter the name of the place you want to visit.

4. Decide whether you want to go to the end point by car, public transportation or foot.

5. Tap **Go**.

## Finding the current location on the map

1. Tap **Maps** from the applications menu.

2. Tap **My location** button. Your location is indicated as **Blue Arrow**.

# YouTube

## Watching videos

1. Tap **YouTube** from the applications menu.
2. Select and tap a video to watch.
3. Double-tap the screen to watch the video in full screen.

## Uploading videos

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **Upload**.
3. Select and tap a video to upload.
4. Set a title for the video and tap **Upload**.

## Checking upload status

1. Tap on the top of the screen and drag it down while the video is being uploaded.
2. Tap **Uploading**. You can see the status of the upload.
3. Tap **Menu** button and **Pause uploads** if you want to pause uploading. Tap **Menu** button and **Resume uploads** if you want to resume upload.
4. Tap the video on the top of the screen and tap **Cancel** if you want to cancel the upload.

## Creating a YouTube account

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **My Channel > Add account**.
3. Tap **here** on the bottom of the YouTube sign-in screen.
4. Follow the steps to create an account.

## Sharing videos

1. Tap **YouTube** from the applications menu.
2. Select and tap a video to share.
3. Tap **More > Share** on the top of the screen.

4. Tap **Bluetooth, Email, Facebook, Gmail** or **Twitter**.

## Watching videos by category

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **Browse**.
3. Select and tap a category.
4. Flick the screen to scroll, select and tap a video to watch.

## Watching videos by upload date

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **Browse**.
3. Select and tap a category.
4. Tap **This week** on the top of the screen.
5. Select and tap one among time intervals.

## Viewing my account information

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **My Channel**.
3. Tap your Google account. You can tap **Add account** and add an account for YouTube.
4. Tap each item for your account including **Uploads, Favorites, Playlists** and **Subscriptions**.

## YouTube Settings

1. Tap **YouTube** from the applications menu.
2. Tap **Menu** button and **Settings**.
3. Tap **High quality on mobile** if you want to watch high-quality videos.
4. Tap **Caption font size** and select and tap the font size if you want to adjust the size of the font.
5. Tap **Clear search history** if you want to remove search history from the search box and tap **OK**.
6. Tap **Safe Search filtering** if you want to block videos that contain restricted content, and select and tap the filtering option.

# Calendar

Manage your schedule with the calendar. Make sure to have a Google account. For details on Google account, refer to page XX.

## Creating an event

1. Tap **Calendar** from the applications menu.
2. Tap a day in the calendar.
3. Press and hold the time that you want to add an event to and tap **New event**.
4. Enter necessary information. Tap **Menu** button and **Show extra options** if you need more options.
5. Tap **Done**.

**Note** You can also create an event by tapping **Menu** button and **More > New event**.

## Viewing the calendar

1. Tap **Calendar** from the applications menu.
2. Tap a day that you want to view events for the day. A blue dot indicates an event for a day.
3. Tap **Menu** button and **Week** or **Month** if you want to see events for a weekly or monthly basis.
4. Tap **Today** if you want to view events for today.
5. Tap **Agenda** if you want to see events in the text mode.

## Setting reminders

1. Tap **Calendar** from the applications menu.
2. Tap **Menu** button and **More > Settings**.
3. Tap **Set alerts & notifications** and select and tap an option if you want to change the notification method.
4. Tap **Select ringtone** if you want to set a specific ringtone for calendar reminders, and select and tap one.

## Editing events

1. Tap **Calendar** from the applications menu.

2. Tap the day that you want to edit events.
3. Tap the event that you want to edit.
4. Tap **Menu** button and **Edit event**.
5. Edit the details and tap **Done**.

## Talk

Connect to your friends through Google Talk and enjoying chatting with them. You can also make a video call with them.

### Setting your status

1. Tap **Talk** from the applications menu.
  2. Tap on the top of the screen where your Gmail address is displayed.
  3. Tap the status bar on the top of the screen.
  4. Tap **Available**, **Busy** or **Invisible**.
- Note** The status message will not be displayed if your status is Invisible.
5. Enter the status message.
  6. Tap **Picture** area if you want to insert a photo.
  7. Select and tap a picture from your gallery, adjust the size of the picture and tap **Save**.
  8. Tap **Done**. Your status is displayed at the top of the screen.

### Inviting a friend to chat

1. Tap **Talk** from the applications menu.
2. Tap **Menu** button and **Add friend**.
3. Enter the email of the friend you want to add.
4. Tap **Send invitation**.

### Chatting with friends

1. Tap **Talk** from the applications menu.
2. Select and tap one of friends that appear on the screen.
3. Enter a message and tap **Send**.
4. Tap **Menu** button and **Add to chat** if you want another friend to join the conversation.



5. Tap **Menu** button and tap **More > Insert smiley**, and select and tap one.
6. Tap **Menu** button and **End chat** if you want to stop chatting with your friend.

## Making a video call with friends (TBD)

### Managing your friends list

1. Tap **Talk** from the applications menu.
2. Tap **Menu** button > **More**.
3. Tap **Invites**. You can check pending invitations.

### Setting the Talk environment

1. Tap **Talk** from the applications menu.
2. Tap **Menu** button and **Settings**.
3. Tap **Automatically sign in** if you want to remain signed-in for Talk.
4. Tap **Mobile indicator** if you want your friends to see that you are on a mobile device.
5. Tap **IM notifications** if you want to see notifications in the status bar when a new IM arrives.

## Gmail

### Adding a Gmail account

1. Tap **Gmail** from the applications menu.
2. Tap **Next**.
3. Tap **Sign in** if you have a Gmail account.
4. Enter your user name and password.
5. Tap **Sign in**.

**Note** For more information on adding a Gmail account, refer to Creating a Gmail account on page XX.

### Reading incoming messages

1. Tap **Gmail** from the applications menu.

2. Select and tap the message to read.
3. Tap **Archive** if you want to preserve the message in a separate folder.
4. Tap **Delete** if you want to delete the message.

**Note** You can read messages by label. Tap **Menu** button in the Inbox screen and tap **Go to labels**.

## Sending an email through Gmail

1. Tap **Gmail** from the applications menu.
2. Tap **Menu** button and **Compose**.
3. Enter the recipient's email address, the subject and the message.
4. Tap **Send** button or tap **Menu** button and tap **Send**.

## Designating emails as spam

1. Tap **Gmail** from the applications menu.
2. Select and tap an email.
3. Tap **Menu** button and tap **More**.
4. Tap **Report spam** if you want to report the email and put it from your inbox.

## Setting Gmail options

1. Tap **Gmail** from the applications menu.
2. Tap **Menu** button > **More** > **Settings**.
3. Tap **Confirm actions**, tap **Archive**, **Delete** and/or **Send** to see the confirmation message for each action, and tap **OK**.
4. Tap **Reply all** if you want to make it default to reply all to incoming messages.
5. Tap **Email notifications** if you want to see if a new mail arrives. The check box is selected by default.

# Search

## Searching for information with Google

1. Tap **Google Search**, or press **Search** button in the idle mode.
2. Enter a keyword in the search box and tap **Enter** button or **Go** button. You can also tap **Speaking** button and say it on the device.

## Setting search options

1. Tap **Google Search** from the applications menu.
2. Tap **Menu** button and **Search settings**.
3. Tap **Google search**.
4. Tap **Show web suggestions** if you want to see suggestions from Google as you search through Google. The check box is selected by default.
5. Tap **Use My Location** if you allow your location to be used for Google search results.

## Selecting items that can be searched

1. Tap **Google Search** from the applications menu.
2. Tap **Menu** button and **Search settings**.
3. Tap **Searchable items**.
4. Select and tap items you want to include for the search result.

## Managing search history

1. Tap **Google Search** from the applications menu.
2. Tap **Menu** button and **Search settings**.
3. Tap **Google search > Manage search history**.
4. Enter the email address and password for your Google account.
5. Select and tap search history in the list and tap **Remove** if you want to remove the search history.

## Google eBooks

Download electronic books in the Google's library to the P4100 and read them.

### Finding favorite ebooks

1. Tap **Books** from the applications menu.
2. Tap a book on the screen if you find interested in. Or you can tap the search icon and find your favorite book in the library.

### Reading ebooks (TBD)

### Adjusting the environment for reading books (TBD)



# Settings

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# Settings

---

## Wireless & networks

### Setting Airplane mode

1. Tap **Settings > Wireless & networks > Airplane mode**. If you turn on Airplane mode, Wi-Fi, Bluetooth and GPS functions are turned off at once. However, you can turn on each function for your preference.
2. Tap **Airplane mode** again to reactivate other functions.

### Setting Wi-Fi networks

1. Tap **Settings > Wireless & networks**.
2. Tap **Wi-Fi settings** to manage the wireless network. Refer to page XX for more information.

### Setting Bluetooth

1. Tap **Settings > Wireless & networks**.
2. Tap **Bluetooth settings** to manage the wireless technology option. Refer to page XX for more information.

### Setting Tethering and portable hotspots

1. Tap **Settings > Wireless & networks > Tethering & portable hotspot**.
2. Tap **USB tethering** to provide Internet connection to other devices. You should connect the P4100 with your other device through the USB cable.
3. Tap **Portable Wi-Fi hotspot** to make the P4100 a portable Wi-Fi hotspot. Refer to page “Becoming a portable Wi-Fi hotspot” on page XX for more information.

### Setting VPN settings

1. Tap **Settings > Wireless & networks > VPN settings > Add VPN.**
2. Tap **Add PPTP VPN, Add L2TP VPN, Add L2TP/IPSec PSK VPN** or **Add L2TP/IPSec CRT VPN.**
3. Set up the network by entering necessary information.

## Setting mobile networks

1. Tap **Settings > Wireless & networks > Mobile networks.**
2. Tap **Data Services** to allow access to data over mobile network.
3. Tap **International Data roaming** to connect to data services when roaming and tap **OK.**

**Note** You may incur significant roaming charges.

4. Tap **Access Point Names** and tap the point name to edit it. Tap **Menu** button and **New APN** if you want to add an APN.
5. Tap **Network operators** and select a network provider.

## Sound

### Setting silent mode

1. Tap **Settings > Sound > Silent mode.** All other functions except the media volume and alarms are silenced if you select this option.
2. Tap **Silent mode** again to activate all functions.

### Setting to vibrate

1. Tap **Settings > Sound > Vibrate.**
2. Tap **Always, Never, Only in Silent mode** or **Only when not in Silent mode.**
3. Tap **OK.**

### Setting volume

1. Tap **Settings > Sound > Volume.** Make sure to deselect Silent mode.
2. Adjust the volume for ringtone, media and alarm.
3. Tap **OK.**

## Setting notification ringtone

1. Tap **Settings > Sound > Notification ringtone**.
2. Select and tap a ringtone for notifications.
3. Tap **OK**.

## Setting feedback options

1. Tap **Settings > Sound**.
2. Tap **Audible selection** if you want to play sound when making selection on the screen.
3. Tap **Screen lock sounds** if you want to play sound when locking and unlocking the screen.
4. Tap **Haptic feedback** if you want the P4100 to vibrate when you press soft keys. It is selected by default.

## Setting Sound effect

1. Tap **Settings > Sound > NASH Sound Effect**.
2. Select and tap an effect from 3D sounds and equalizers. You can choose the user set.
3. Tap **Done**.

# Display

## Setting brightness

1. Tap **Settings > Display > Brightness**.
2. Drag **Point** to the right to increase the brightness. Drag it to the left to decrease the brightness.
3. Tap **OK**.

## Setting auto-rotate screen

1. Tap **Settings > Display > Auto-rotate screen** if you want to make the screen rotate automatically when you move the P4100 horizontally or vertically.



## Setting animation options

1. Tap **Settings** > **Display** > **Animation**.
2. Tap **No animations, some animations** or **All animations**.
3. Tap **OK**.

## Setting screen timeout

1. Tap **Settings** > **Display** > **Screen timeout**.
2. Select and tap the time interval to turn off the screen.
3. Tap **OK**.

## Location & security

### Setting my location

1. Tap **Settings** > **Location & security** > **Use wireless networks**.
2. Tap **Agree** to allow Google's location service to collect anonymous location data.
3. Tap **Use GPS satellites** if you want to find street-level locations.

### Setting screen lock with a pattern key

1. Tap **Settings** > **Location & security** > **Set up screen lock** > **Pattern**.
2. Read "Securing your device" page and tap **Next**.
3. Watch how to set up the pattern and tap **Next**.

**Note** Steps 2–3 appear only when you set up the pattern lock for the first time.

4. Drag your pattern on the screen and tap **Continue**. Make sure to connect the pattern with at least four dots. Tap **Retry** and draw another pattern if you want to set up one.
5. Tap **Continue**.
6. Drag the pattern again and tap **Confirm**.

**Note** If you fail to drag the correct pattern to unlock the screen for five consecutive times, you have to wait for 30 seconds before you can try it again. If you forget your pattern lock, tap **Forgot pattern**, enter your account name and password for Google and create a new pattern

lock. However, **Forgot pattern** will not appear if you have no Google account for the P4100.

## Forgot your password for Google account?

If you have forgotten your password for Google account, reset it at the Google website.

1. Open your web browser on your computer and go to <https://www.google.com/accounts/recovery>.
2. Enter the email address or username that you use to sign in to your Google account and click **Submit**.
3. Enter the characters that you see on the screen and click **Continue**.
4. Select an option about recovering your account and click **Continue**.
5. Take necessary steps for each option:
  - Enter the answer for security questions if you have selected **Answer your security question**. This option will not be available if you have signed in to your Google account within last five days.
  - Check your email account you provided when you created your Google Account and follow the instructions if you have selected Email to \*\*\*\*\*@\*\*\*\*.
  - Fill in the form for Google Accounts Help if you have selected **I no longer have access to these**, and click **Submit** on the bottom of the window.

**Note** Do not select **Text message** to \*\*\*\*\* 30: You cannot receive a code to reset your password on your device.

## Locking screen with a password

1. Tap **Settings > Location & security > Set up screen lock > Password**.
2. Enter your password and tap **OK**. The password should be at least 4 characters.
3. Enter the password again to confirm.
4. Tap **OK**.

**Note** Tap **Settings > Location & security > Visible passwords** if you want to see passwords as you type.

## Locking screen with a PIN

1. Tap **Settings > Location & security > Set up screen lock > PIN**.
2. Enter numbers as PIN and tap **Continue**. The PIN should be at least 4 characters.
3. Enter the numbers again to confirm.
4. Tap **OK**.

**Note** Tap **Settings > Location & security > Change screen lock** if you do not want to set up an additional process to unlock the screen.

## Setting SIM card lock

1. Tap **Settings > Location & security > Set up SIM card lock**.
2. Tap **Lock SIM card** and enter the SIM PIN if you want to require a PIN to use the device.
3. Tap **Change SIM PIN** and enter the old SIM PIN and a new SIM PIN if you want to change the SIM PIN.

## Setting the credential storage password

1. Tap **Settings > Location & security > Set password**.
2. Enter a new password and enter it again to confirm.
3. Tap **OK**.

## Applications

### Setting keyboard shortcuts for applications

1. Tap **Settings > Applications > Quick launch**.
2. Select an application for the shortcut.

### Managing applications

1. Tap **Settings > Applications > Manage applications > Downloaded**.
2. Tap an application and tap **Force stop** if you want to stop its operation by force. Tap **Uninstall** if you want to uninstall the application.
3. Tap **Running** on the top of the screen and tap an application to manage its operation.

## Viewing running services and applications

1. Tap **Settings > Applications > Running services**.
2. Tap a service or an application to stop its operation or to edit its options.
3. Tap **Force stop** if you want to stop its operation.

## Debugging USB

1. Tap **Settings > Applications > Development**.
2. Tap **USB debugging** to allow the debug mode when the USB cable is connected.
3. Read and tap **OK** on the USB debugging information page.

## Maintaining the staying condition

1. Tap **Settings > Applications > Development**.
2. Tap **Stay awake** to keep the P4100 awake while it is being charged.

## Allowing mock locations

1. Tap **Settings > Applications > Development**.
2. Tap **Allow mock locations** to pretend to be in another location for development purposes.

## Allowing installation of unknown applications

1. Tap **Settings > Applications**.
2. Tap **Unknown sources** to allow non-market applications to be installed on the P4100.

## Accounts & sync

### Managing background data

1. Tap **Settings > Accounts & sync**.
2. Tap **Background data** if you want to sync, send and receive data any time.

## Allowing background data to sync automatically

1. Tap **Settings > Accounts & sync**.
2. Tap **Auto-sync** if you want to sync data automatically.

## Adding an account

1. Tap **Settings > Accounts & sync**.
2. Tap **Add account**.
3. Select and tap an account type, and follow the necessary steps for creating an account.

## Privacy

### Backing up data

1. Tap **Settings > Privacy**.
2. Tap **Back up my data** if you want to back up your data.
3. Tap **Automatic restore** if you want to restore backed-up data for an application.

### Resetting the P4100

1. Tap **Settings > Privacy**.
2. Tap **Factory data reset** if you want to erase all data from the device.
3. Tap **Reset device**.
4. Tap **Erase everything**.

## SD card & device storage

### Selecting the USB mode

1. Tap **Settings > SD card & device storage**.
2. Tap **USB Mode**. If you turn on the USB debugging function, tap **OK** to turn it off.
3. Tap **Media Transfer, Mass storage** or **Ask on connection**, tap **OK**, and follow the relevant steps.

## Viewing the status of space

1. Tap **Settings > SD card & device storage**. The status of space available for the P4100 is displayed.
2. Tap **Unmount SD card > OK** if you want to remove the SD card from the P4100 safely. Tap **Mount SD card** if you want to mount the card.

## Language

### Selecting the language

1. Tap **Settings > Language & keyboard > Select language**.
2. Select and tap a language to use for the P4100.

### Setting Swype

1. Tap **Settings > Language & keyboard > Swype**.
2. Tap **Word prediction** if you want to see predicted words as you type in the **Swype**.
3. Tap **Word choice window** and drag the bar to the left or the right if you want to adjust the frequency of the word choice window, and tap **OK**.
4. Tap **Speed vs. accuracy**, drag the bar to the left or the right if you want to adjust the response speed and tap **OK**.

## Accessibility

### Setting the accessibility option

1. Tap **Settings > Accessibility**.
2. Tap **OK** in the No accessibility related applications found screen.
3. Select and tap related application from the Android Market and install it.
4. Tap **Accessibility** when you finish installing the application.

## Data & Time

### Allowing date and time to be set automatically

1. Tap **Settings > Date & time**.
2. Tap **Automatic**.

**Note** Set date, Select time zone and Set time will not work if you tap **Automatic**.

### Setting the date

1. Tap **Settings > Date & time > Set date**.
2. Enter month, day and year for the P4100.
3. Tap **Set**.

### Setting the time zone

1. Tap **Settings > Date & time > Select time zone**.
2. Select and tap a time zone in the list.

### Setting time

1. Tap **Settings > Date & time > Set time**.
2. Enter the minute and the hour.
3. Tap **Set**.

### Selecting date format

1. Tap **Settings > Date & time > Select date format**.
2. Select a preferred date format.
3. Tap **OK**.

## About system

### Checking the status of the device

1. Tap **Settings > About device**.
2. Tap **Status** if you want to check the current status of the device, including battery status, battery level and your device number.

## Checking battery use

1. Tap **Settings > About device**.
2. Tap **Battery use** if you want to check how the battery is being used.

## Seeing legal information

1. Tap **Settings > About device**.
2. Tap **Legal information** if you want to see the open source licenses and Google's legal information.

## Learning how to use the P4100

1. Tap **Settings > About device**.
2. Tap **System tutorial** if you want to see how to use the P4100.

**Note** Make sure to set **Swype** as the default keyboard. Refer to Language & keyboard for more information on setting **Swype**.

3. Follow the onscreen instructions.



# Appendix

PC Suite

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# Appendix

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## To update software

Update your software without visiting the nearest dealer.

1. Tap **Settings** > **Software update** from the applications menu.
2. Tap **Check for updates** to check whether you need to update the software.

**Note** After the relevant software is downloaded, you will be asked whether to update the software now. If you choose to update the software now, your device it will restart. If you want to postpone updating the software, you can select 1 hour, 4 hours or 8 hours in Options. After you select the updating time, your device will go back to the standby mode. If you want to resume the software update process, tap **Continue Update**.

## To view software version

1. Tap **Settings** > **About device** from the applications menu.
2. Scroll down the screen and you can see software version.

## PC Suite

PC suite is a Windows-based program that allows you to easily manage personal data and multimedia files by connecting your device to a PC. The application can be downloaded at <http://www.pantechusa.com>.

## System requirements

- Microsoft Windows 2000 or XP family, Windows7 and Vista 32 bit
- Minimum 300MB of free disk space
- Interface devices such as USB for connection with the device

## PC Suite features:

- PC Suite launcher
- Contact Manager
- PC Sync
- Message Manager
- File Manager
- MMS PC Composer
- Internet Access

## **PC Suite languages**

English, Spanish, French, German, Italian, Chinese, Japanese, Korean

## **Troubleshooting checklist**

### **When battery life is shorter than usual:**

This may happen when you are in an area with low signal strength. Turn off your device when it is not in use.

### **When you cannot turn on your device:**

Make sure your device is charged. Check to see if your device works while recharging.

### **When you are unable to charge the device:**

This may be the result of one of the following three cases.

1. Your charger may be out of order. Contact your nearest dealer.
2. You may be attempting to use the device in an overly hot/cold temperature. Try changing the charging environment.
3. Your device may have not been connected to the charger properly. Check the connector.

### **When you are unable to select a certain function:**

You may not have subscribed to that function, or your network service provider may be in an area where such service cannot be provided. Contact your local service provider.

# Specifications

## Operating System

Android 3.X (HONEYCOMB)

## Design

Tablet (Full Touch Pad)

## Displays

8.0" TFT XGA display 1024 x 768 Pixels, Capacitive Touch

## Sound

128 Polyphonic

## Camera

**Back:** 5M Pixels AF with Flash, **Front:** 2M for VT

- Resolution up to 5M Pixels
- Video Encoding up to 24f/s; decoding up to 30f/s

## Sensors

- Accelerometer
- Digital compass
- Gyro
- Proximity & Ambient Light

## I/O

- WLAN: 802.11 a/b/g/n (5.6 GHz),
- USB 2.0 HS
- Bluetooth 2.1 + EDR
- microSD (up to 32GB)
- Micro USB Connector
- 3.5mm Ear Jack

- HDMI Connector

### Dimensions & Weight

- Weight: under 470g/16.57oz (TBD)
- Dimensions: 205 x 150 x 10.45 mm (8.36" x 6.12" x 0.42")

### Power Management (Performance)

Battery Type	Capacity	Standby Time	Talk Time
Standard Lithium-Ion (Li-ion)	6,400mAh	Up to (maximum) hours	Up to (maximum) hours

### Operating Frequency

- GSM/GPRS/EDGE 850/900/1800/1900 MHz, UMTS/HSDPA850/1900/2100 MHz, LTE710MHz(LTE Band17),1710~1754.9MHz, 824~848.9MHz networks in North America, South America, Europe, Africa, and Asia-Pacific where these networks are supported.
- Automatic band switching

## FCC Regulatory Compliance

### FCC Regulatory Compliance

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. Your mobile device is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile devices. Those guidelines are consistent with safety standards previously set by both U.S. and international standards bodies: American National Standard Institute (ANSI), National Council of Radiation Protection and Measurements (NCRP), and International Commission on Non-ionizing Radiation Protection (ICNRP). Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. The design of your device complies with

the FCC guidelines and applicable.

## Statement according to FCC part 15.105

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.

## Statement according to FCC part 15.21

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

## RF exposure FCC

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only accessories that contain no metallic components and provide a separation distance of 0 mm (0 inches) to the body. Use of other accessories may violate FCC RF exposure guidelines and should be avoided. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

## Health and Safety Information FCC

This EUT has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and had been tested in accordance with the measurement procedures specified in FCC/OET Bulletin 65 Supplement C (2001) and IEEE Std. 1528-2003 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. The exposure standard for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.\*

\* In the U.S. and Canada, the SAR limit for mobile devices 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.

\*\* This device contains 1800 MHz GSM functions that are not operational in U.S. Territories; this filing is applicable only for 824-849 MHz(GPRS/EDGE 850,WCDMA Band5) / 1850-1910 MHz(GPRS/EDGE 1900,WCDMA Band2), 710MHz(LTE Band17),1710~1754.9MHz, 824~848.9MHz, 2412~ 2462.0 MHz , 5180 ~ 5825 MHz (WiFi) operations.

### **Caution:**

In the United States, 5180 ~ 5240 MHz band is restricted to indoor-use only. Outdoor operation on this band is a strict violation of the FCC rules and can cause harmful interference to commercial radar communications. For outdoor operation, channels in 5180 ~ 5240 MHz band must not be used. If using automatic channel assignment, add channels in this band to the Automatic channel exclusion list.

## **Warranty**

### **Protect Your Warranty**

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit:

“Warranty does not apply to... or to any product or part thereof which has suffered through alteration... mishandling, misuse, neglect or accident.”

Many companies are making look alike accessories and in some cases, promoting that their

products are equal to or better than the Pantech product. Be careful. Some of these products may not be compatible to use with your Pantech product and may damage the unit or cause it to malfunction.

If service is required on your unit and it is determined that a non-Pantech accessory has created the problem with your unit, the Warranty will not apply. In addition, if the unit has already suffered irreversible damage by the reason of a noncompatible accessory, the Warranty will be voided. To protect your warranty, use only compatible accessories which cannot damage or interfere with the functioning of your Pantech product.

## 12-Month Limited Warranty

Pantech Wireless, Inc. (the Company) warrants to the original retail purchaser of this Pantech handheld device, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) months period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s). The antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase. This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This warranty does not apply to:

- (a) Products subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Products whose mechanical serial number or electronic serial number has been removed, altered or defaced;
- (c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
- (f) Products damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.



The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address and complete description of the problem, transportation prepaid, to the Company by calling the number listed below or to the place of purchase for repair or replacement processing.

To locate Pantech Authorized Service Center, call: (800) 962-8622 or email [HandsetHelpPantech@.com](mailto:HandsetHelpPantech@.com). Please have the following information available when you send the device in for repair:

- A valid original Proof of Purchase
- Return address
- Model number
- IMEI number (Look for the 15-digit IMEI number behind the battery of the device.)
- Complete description of the problem
- Transportation prepaid

## Other Warranty Program

You may have other warranty program with your purchase, such as warranty exchange. If so, please refer to equipment package or the original point of sale.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD

OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

For technical support in the U.S. & Canada, call (800) 962-8622. Or email us to [HandsetHelp@Pantech.com](mailto:HandsetHelp@Pantech.com). Or visit the web site at [www.pantechusa.com](http://www.pantechusa.com).

For all other inquiries, write to:  
Pantech WIRELESS, INC.5607 Glenridge Dr. Suite 500 Atlanta, GA 30342, USA.

## Legal notice

### Trademark

Bluetooth is a trademark of Bluetooth SIG, Inc. Wi-Fi is a trademark of the Wi-Fi Alliance. Google, YouTube, Picasa, Gmail, Google Maps and Android Market are trademarks of Google, Inc.

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