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### WELCOME

It begins with a vision.

A bold new design delivering superior craftsmanship and meticulous detail. Beautifully united with technology which evolves over time. And presented with a level of personal service that is without equal.

It continues with a commitment to creativity, originality and excellence, drawing inspiration from human relationships, natural beauty and the arts.

It explores the connections between people and celebrates the spirit of communication.

And ultimately, it fulfills an uncompromising mission. To build an instrument of exceptional longevity, artistry and craftsmanship.

The result is unparalleled communication - the experience is Vertu.

## VERTU PACKAGING CONTENTS

- 1 Vertu phone
- Certificate of ownership
- Concierge booklet
- Microfibre polishing cloth
- Quick guide
- 1 CD-ROM
- 1 Battery
- Charger cable or connection lead
- Regional charger
- 1 Headset
- 1 Back cover release key

### CONVENTIONS

The following conventions are used in this Quick guide:

menu

Represents text that appears on your Vertu phone's display, for example, "From the stand-by display, press menu."

Represents a Vertu phone key, for example, "Press the send key to make the call."



Caution. Important information relating to health and safety.



Represents a tip. Useful information or a quick way to access or operate a feature.



Represents a note. Points to be aware of when using your Vertu phone.

## User manual

References are made throughout this guide to the User manual. You will find it on the CD-ROM supplied with your Vertu phone. If you do not have access to a compatible computer, contact Vertu Concierge, who can arrange for a printed copy to be despatched to you at your earliest convenience.

# IMPORTANT INFORMATION

The wireless phone described in this guide is approved for use on EGSM 900 and GSM 1900 networks. Contact your service provider for more information about networks.

When using your Vertu phone, obey all laws and respect privacy and legitimate rights of others.



Warning. All of your Vertu phone's features, other than the alarm clock, require the phone to be switched on to use the features. Do not switch your Vertu phone on when wireless phone use may cause interference or danger.

# NETWORK SERVICES

To use the phone you must have service from a wireless service provider. Many of the features in your Vertu phone depend on features in the wireless network to function. These Network Services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilise Network Services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use Network Services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have also requested that certain features be disabled or not activated in your Vertu phone. If so, they will not appear on your menus. Contact your service provider for more information.

### SHARED MEMORY

Some of the data features in your Vertu phone share memory. Using one or more of these features may reduce the memory available for the remaining features sharing memory. For example, saving many hundreds of phone book entries may use all of the available memory. Your phone may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as the directory, have a certain amount of memory specially allotted to them in addition to the amount of memory shared with other features.

# SAFETY POINTS



Caution. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger. Please read these simple guidelines. Disregarding these rules may be dangerous or illegal.

Your phone an internal antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on.

Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Avoiding contact with the antenna during a call optimises the antenna performance and the talk time of your Vertu phone.

Your Vertu phone and its accessories may contain small parts. Keep them out of reach of small children.

For full safety instructions refer to "safety information" on page 44. Additional information is also available in the User manual on the CD-ROM.

VERT

ROAD SAFETY COMES FIRST

INTERFERENCE

SWITCH OFF IN HOSPITALS

SWITCH OFF IN AIRCRAFT

SWITCH OFF WHEN REFUELLING

SWITCH OFF NEAR BLASTING

USE SENSIBLY

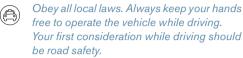
QUALIFIED SERVICE

ACCESSORIES AND BATTERIES

BACK-UP COPIES

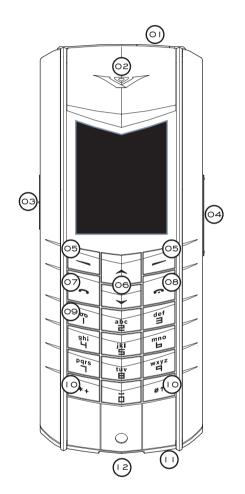
CONNECTING TO OTHER DEVICES

EMERGENCY CALLS



- All wireless phones may be susceptible to interference which could affect performance.
- Follow any regulations or rules. Switch phone off near medical equipment.
- Follow any regulations or rules. Wireless devices can cause interference in aircraft.
- Do not use the phone at a refuelling point.
  Do not use near fuel or chemicals.
- Do not use the phone where blasting is in progress. Observe restrictions and follow any regulations.
- Use only in normal position and do not touch the antenna unnecessarily.
- Only qualified service personnel must install or repair phone equipment.
- Use only approved accessories and batteries. Do not connect incompatible products.
- Remember to make back-up copies or keep a written record of any important information stored in your phone.
- When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible devices.
- Ensure your Vertu phone is switched on and in service. Press the END key as many times as needed to clear the display and return to the main screen. Enter the emergency number, then press the SEND key. Give your location. Do not end the call until told to do so.

# VERTU PHONE LAYOUT



> 01	POWER key – press and hold to switch on and switch off.
> 02	Earpiece.
> 03	CONCIERGE key – press and hold until the Concierge display appears. Press send to call.
> 04	VOLUME key – rocker switch action. Press the top of the key to increase the volume. Press the bottom of the key to decrease the volume.
> 05	SELECTION keys – press to perform the action or access the feature shown on the display above the key.
> 06	scroll keys – press to move, for example through a list of names or features.
> 07	SEND key – press to make or answer a call.
> 08	END key – press to end a call.
> 09	VOICEMAIL key – press and hold to call your voice mailbox (a Network service).
> 10	*+ and # <sup>†</sup> keys – special function keys.
> 11	Microphone.
> 12	Accessories connector.

### THE BATTERY AND SIM CARD

If your Vertu phone was purchased at a Vertu store, the battery and SIM card should have been installed already. Otherwise, follow the procedure below to install your SIM card and battery.

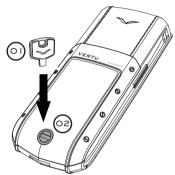
The SIM card and its contacts are easily damaged. Be careful when handling, inserting or removing the card.



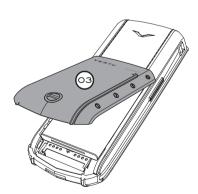
Caution. Keep SIM cards and the back cover release key out of the reach of small children.

Always switch the phone off and disconnect the charger before removing the battery.

Do not remove the release tab or the protective plastic film from the battery as this will damage the battery.



> With the back of your Vertu phone facing you, position the back cover release key (01) very carefully into the slot of the locking screw (02). Ensure the key does not slip out of the slot.



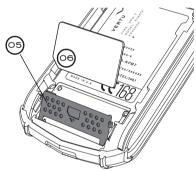
> Turn the locking screw a quarter of a turn anti-clockwise, and gently pivot and lift off the back cover (03) as shown. If you accidentally remove the back cover while the phone is switched on, the phone will automatically switch off.



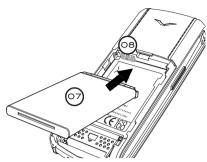
Attach the back cover release key to your keyring for convenience.



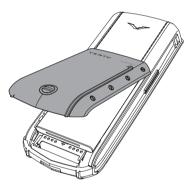
- > Remove the plastic placeholder (**04**) from your Vertu phone before inserting the battery.
- Retain the plastic placeholder for future use. If you need to remove the battery, insert the plastic placeholder before replacing the back cover to make it easier to remove the back cover



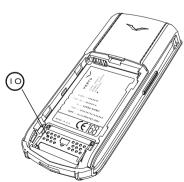
- Slide the retaining bar (05) towards the bottom of your Vertu phone and then pivot outwards.
- Insert the SIM card, ensuring that the bevelled
   corner (06) is located bottom left and the gold contact area is facing downwards.
- Return the retaining bar to its original position
   and slide it towards the top of the phone. The retaining bar should firmly lock into place.
  - For availability and information on using SIM card services, contact your SIM card vendor. This may be the service provider, network operator, or other vendor.



Insert the battery (07) top end first with the printed on side facing up from the rear of the phone. Ensure that the contacts on the top end of the battery align with the contact points (08) inside the battery compartment.



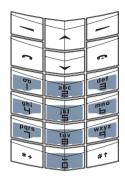
- > Ensure that the battery and SIM card are seated correctly before replacing the back cover.
- Pivot the back cover into position until it clicks into place. The cover should close tightly using only light pressure – do not force it closed! If the cover does not close easily, remove it and check the battery and SIM are correctly inserted, and
- the retaining bar (09) is correctly positioned and locked.



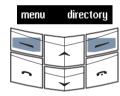
For information about removing the battery, refer to "Removing the battery" on page 35.

## VERTU PHONE KEYPAD

Alphanumeric keys, referred to as NUMBER keys in this guide, are used to key in numbers or characters, for example when making calls, storing names in the directory or writing text messages.



Below the display are two selection keys. The function of these keys depends on the text displayed above them.



For example, press the selection key below menu to access the menu or press the selection key below directory to access the directory.

When pressing keys, press them briefly and firmly, without holding them down unless otherwise instructed. A soft "click" can be heard.

# SWITCHING ON YOUR VERTU PHONE



> Press and hold the POWER key (01) for approximately four seconds to switch on your Vertu phone.

If your battery requires charging, a **battery low** message is displayed when you first switch on your Vertu phone. Refer to "Charging your battery" on page 33 for more information.



> Your Vertu phone has an internal antenna located inside the toprear panel (02). Do not touch the antenna unnecessarily when phone is switched on.

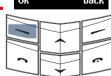
Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating the phone optimises the antenna performance and battery life.

# ENTERING YOUR PIN CODE

Depending on your SIM card settings, you may be prompted to enter a PIN (Personal Identification Number) code when you switch on your Vertu phone. This code is used to protect access to your SIM card and is independent of your Vertu phone. If you used your SIM card in another phone previously, the code will be the same.



- > Use the NUMBER keys to key in your PIN code.
- > Press ok.





It is recommended that you activate both the PIN code and security code to help prevent unauthorised use of your SIM card and your Vertu phone. Refer to the "Security" chapter of the User manual for more information.

## SETTING THE TIME AND DATE

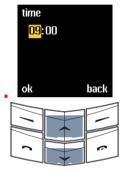
If the time and date are not set, you are prompted to enter your time settings when you first switch on your Vertu phone.

If your Vertu phone was purchased at a Vertu store, the time and date should already be set for you.



We recommend setting the time and date immediately to ensure that features which use the time and date, for example the agenda, operate correctly.

To set the time and date the first time you switch on your Vertu phone:



- > Use the NUMBER keys to key in the correct time.
- > Use the SCROLL keys to toggle between hours and minutes.

You can enter the time in either 12-hour (AM/PM) format or 24-hour format.

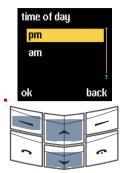
For example, to set the time to 08:30:

- > Key in "8".
- > Scroll to minutes. The leading zero is added to the hour figure.
- > Key in "30".
- > Press ok.

Or, to set the time to 12:30:

- > Key in "12". The cursor automatically jumps to the minutes.
- > Key in "30".
- > Press ok.

If the hour you entered was not in 24-hour format, you are prompted to confirm if the time entered is AM or PM:



- > Scroll to am or pm.
- > Press ok. A confirmation message is displayed.

### To set the date:



- > Use the NUMBER keys to key in the date.
- > Use the scroll keys to toggle between the figures.
- > Press ok. A confirmation message is displayed.



If the battery is removed from your Vertu phone for longer than two hours, you may need to set the time and date again.

Refer to the User manual for more information about changing the time and date settings.

## DISPLAY ICONS AND INDICATORS

The display shows the current status of your Vertu phone.



The battery charge and signal strength indicators appear at the top of the display.



Indicates the signal strength of the network at your current location.
Indicates the battery charge level.
Indicates that both battery and signal levels



battery and signal levels are at full strength.
Indicates that both battery and signal levels are below full strength.
Indicates that the signal strength at your current location is too weak to



make calls.

Status icons are displayed below the battery charge and signal strength indicators. The most

. 0

commonly displayed icons are:

- Indicates that you have received one or more text messages.
- Indicates that you have received one or more voice messages (a Network service).
- Indicates that the General profile is selected. Alternative icons are displayed for the other profiles.
- Indicates that audible alerts are disabled and no sounds are made when you receive calls or text messages.
- Indicates that the keypad is locked.

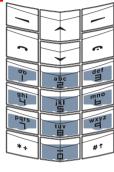
Refer to the User manual for a complete list of icons.

## MAKING CALLS

### YOUR FIRST CALL



- > Check the signal strength indicator. If the display indicates poor signal, adjust your physical location to be clear of obstructions that may block the signal.
- > From the stand-by display, use the NUMBER keys to key in the number you want to call.



When keying in international numbers, press the \* + key twice instead of keying in the international access code. A plus (+) sign appears on the display to represent the international access code.



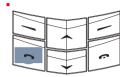
> Press the send key to begin your call. It may take several seconds to establish your call.



> Hold your Vertu phone in the normal speaking position during your conversation. Avoid unnecessary contact with the antenna as this may degrade call quality.

# ANSWERING CALLS

When you receive an incoming call, by default, a ringing tune is played and a call message is displayed. If enabled, your Vertu phone also vibrates.

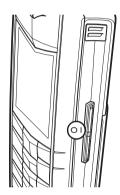


> Press the send key to answer an incoming call.



While in a call, you can use the speaker phone for a hands free call. Refer to the User manual for more information.

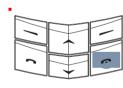
### ADJUSTING VOLUME



Use the VOLUME key (01) on the right side of your Vertu phone to obtain a comfortable listening level. The key has a rocker action.

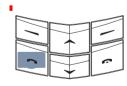
- > Press the top of the key to increase the volume.
- > Press the bottom of the key to decrease the volume.

# ENDING OR REJECTING CALLS

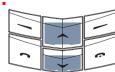


> Press the END key to end a call or reject an incoming call.

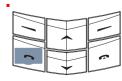
# LAST NUMBER REDIAL



> From the stand-by display, press the SEND key to access a list of the most recently dialled numbers.



> Use the scroll keys to scroll to the desired number.



> Press the send key to call the selected number.

# CALLING YOUR VOICE MAILBOX

Voicemail is a network service for receiving voice messages that may be offered by your service provider.

To use the VOICEMAIL key to listen to your voice messages, the voice mailbox number must be stored in your Vertu phone.



- > Press and hold the 1 key. This is the VOICEMAIL key.
- > If you are prompted, key in the voice mailbox number and press ok.

For more information on voicemail contact your service provider.

## **EMERGENCY CALLS**

IMPORTANT! Your Vertu phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. Therefore, you should never rely solely upon any wireless phone for essential communications, for example medical emergencies.

Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

### MAKING AN EMERGENCY CALL

- > If the phone is not on, switch it on. Some networks may require that a valid SIM card is properly inserted in the phone.
- > Check for adequate signal strength and battery charge level.
- > Press the END key as many times as needed to return to the stand-by display.
- Key in the emergency number for your present location, for example 112, 911 or other official emergency number. Emergency numbers vary by location.
- > Press the send key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. For more information consult the User manual or your local service provider.

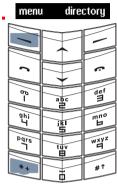
When making an emergency call, remember to give all the necessary information as accurately as possible.

Remember that your phone may be the only means of communication at the scene of an accident – do not cut off the call until given permission to do so.

## KEYPAD LOCK

You can lock the keypad on your Vertu phone to prevent the keys being operated accidentally, for example when it is in your pocket or bag.

## LOCKING THE KEYPAD



> From the stand-by display, press menu followed by the \* + key within two seconds. A confirmation message is displayed.



When the keypad is locked, a key icon appears below the signal strength indicator.



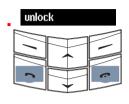
When the keypad is locked, calls may be possible to the emergency number programmed into your Vertu phone, for example 112, 911 or other official emergency number.

- > Key in the emergency number.
- > Press send.

The emergency number is displayed only after you have keyed in its last digit

## RECEIVING A CALL

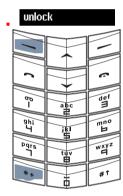
Your Vertu phone keypad lock is automatically suspended when you receive an incoming call.



- > Press the send key to answer a call when the keypad is locked.
- During the call your Vertu phone can be operated as normal.
- > Press the END key to end a call or reject an incoming call.

The keypad reverts to locked when you end the call.

# UNLOCKING THE KEYPAD



> Press unlock followed by the \* + key within two seconds. A confirmation message is displayed.

## DIRECTORY

Your Vertu phone directory acts as a personal phone book. It has potential capacity for up to 1,000 entries. Refer to the User manual for more information about the full set of directory features.

### QUICK STORE

To store names and numbers quickly, follow the procedure below:



- > From the stand-by display, use the NUMBER keys to key in the phone number.
- > Press options. and the save item is highlighted.
- > Press select.

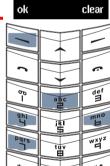


Key in the name, for example "Maria", as follows:

- > Press the 6 key for "M".
- > Press the 2 key for "a".
- > Press the 7 key three times for "r".
- > Press the 4 key three times for "i".
- > Press the 2 key for "a".

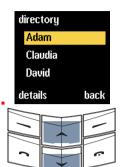
Press clear at any time to erase the character before the cursor.

> Press **ok**. A confirmation message is displayed.



# QUICK SEARCH

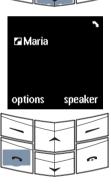
To search for names and numbers quickly, follow the procedure below:



- > From the stand-by display, press a scroll key.
- > Key in the first letter of the desired name, for example "M". The first name starting with that letter is highlighted.



- Scroll to the desired name.
- If the name in your directory has multiple numbers associated with it, press details and scroll to the desired number.



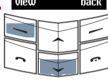
> Press the send key to call the number.

### TEXT MESSAGES

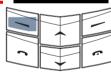
The messages feature allows you to write, send, receive and store text messages. Refer to the User manual for a detailed explanation of all text message options and how to use predictive text input, a feature that allows you to key in text messages quickly. The following example gives an overview of how to use the messages feature using basic text input.

## READING TEXT MESSAGES









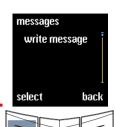
When you receive a text message, an information note and an envelope icon appear. By default a received message is accompanied by an audible alert.

- > Press view.
  - > Press the lower scroll key to read the whole message.

If the text message is not required, erase it as follows:

- > Press options. erase is highlighted.
- > Press select.
- > Press **ok**. A confirmation message is displayed.

## SENDING TEXT MESSAGES



- > From the stand-by display, press menu. messages appears.
- > Press select. write message appears.
- > Press select.

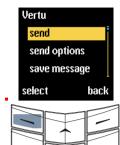


The first letter of a sentence is automatically capitalised.

Key in your text message, for example "Vertu", as follows:

- > Press the 8 key three times for "V".
  - > Press the 3 key twice for "e".
  - > Press the 7 key three times for "r".
  - > Press the 8 key for "t".
  - > Press the 8 key twice for "u".
  - > Press the O (ZERO) key to insert a space.

Press clear at any time to erase the character before the cursor.



- > Press options. send is highlighted.
- > Press select.
- If you are prompted, key in the message centre number and press ok.
- > Key in the recipient's phone number.
- > Press ok. A confirmation message is displayed.



When sending text messages, your Vertu phone displays a confirmation message. This is an indication that the text message has been sent by your Vertu phone to the message centre.

This is not an indication that the text message has been received at the intended destination.

For more information about messaging services and your message centre number contact your service provider.

## VERTU CONCIERGE

Vertu Concierge is an exclusive service for people who believe that quality matters. Our aim is to bring you only the very best, whether it be music, art, travel or food.

Vertu Concierge provides you with a highly personalised range of services, such as:

- > Lifestyle support
- > Product assistance
- > Travel assistance

When you connect to Vertu Concierge, you can speak directly to a team of multilingual specialists who are available 24 hours a day, 7 days a week to offer personalised assistance.

### CALLING VERTU CONCIERGE



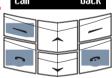
The concierge key is located on the left side of your Vertu phone as shown.



> Press and hold the CONCIERGE key for approximately two seconds, until

concierge appears.

- > Press call or the SEND key to call Vertu Concierge.
- > Press the END key when you have finished the call.



### ACCESSORIES

This section shows how to use the battery and accessories with your Vertu phone.

- > Headset
- > Charger and battery
- > Data cable (not supplied)



Caution. Keep all parts out of small children's reach.

Use only batteries, chargers and accessories approved by Vertu for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone and may be dangerous.

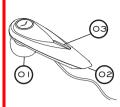
When you disconnect an accessory cable from your Vertu phone, hold and pull the connector at the end of the cable, not the cable itself.

To optimise the performance and lifetime of your accessories, observe the following handling and usage precautions:

- > Keep dry.
- > Do not use or store in dirty or dusty areas.
- > Do not attempt to open.
- > Do not drop, knock or shake.
- > Do not store in hot areas.
- > Do not store in cold areas.
- > Do not use harsh chemicals, cleaning solvents or strong detergents to clean.
- > Do not paint.

For more information about the availability of accessories approved for use with your Vertu phone, contact Vertu Concierge.

### HEADSET



- 01 earpiece
- 02 microphone
- 03 SEND/END button

To connect the headset to your Vertu phone:



> Insert the headset connector into the bottom of your Vertu phone as shown. (Your headset connector may be slightly different to the one shown.)



The headset icon appears below the signal strength indicator.



- > Place the earpiece in your ear.
- > Position the microphone (the pointed end) as shown.
- > Use the VOLUME key on your Vertu phone to adjust to a comfortable listening level.



- > Press the send/end button (03) to answer an incoming call.
- > Press the send/end button to end a call.



When the headset is connected, you can configure your Vertu phone to answer calls automatically. Refer to the User manual for more information.

# CHARGER

The charger recharges your Vertu phone battery quickly and safely by means of a powered AC outlet. It can be charged using the regional charger supplied.

The charger supplied with your Vertu phone should be appropriate for your region. However, you should always check that electrical rating of the AC outlet is appropriate for the charger before you attempt to plug it in.



Caution. Never attempt to use a charger if it has been damaged. Contact Vertu Concierge to obtain a replacement.

## ATTACHING THE CHARGER CABLE

If your charger has a removable cable, you have to attach it to the charger before you plug it in:



 Attach the charger cable by inserting it into the charger body.



- > Turn the cable a quarter of a turn, in the direction shown by the arrow, to lock into place.
- > Reverse the procedure to detach the cable.

# ATTACHING THE CABLE TO PHONE CONNECTOR

If your charger has a fixed cable with a barrel style plug, you have to attach the phone connector adaptor:

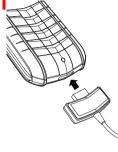
Attach the charger cable by inserting it into the adaptor body.

# CHARGING YOUR BATTERY

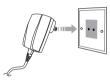
The battery for your Vertu phone is rechargeable and requires charging at regular intervals.



Caution. Only use the approved charger and battery. designed specifically for your Vertu phone.



> Insert the charger connector into the bottom of your Vertu phone as shown. (Your charger connector may be slightly different to the one shown.)



- > Connect the charger body to a powered AC outlet.
- > After approximately 10 seconds the battery indicator animates, and a confirmation message is displayed if your Vertu phone is switched on.

If the battery is fully discharged it may take a few moments before the charging indicator appears on the display.

When the battery is fully charged, the battery charge indicator stops animating and, if your Vertu phone is switched on, a confirmation message is briefly displayed.

If **not charging** is displayed or charging has failed, try the following:

- > Disconnect the charger from the AC outlet.
- Check that the electrical rating of the AC outlet is compatible with your charger.
- Verify that the AC outlet has power and that it is switched on. For example, in many hotel rooms, AC outlets are used for lighting and may be switched from remote locations in the room.
- > Wait for at least 10 seconds and then re-connect the charger to the AC outlet.
- > Use another nearby AC outlet that you know is providing power.
- If charging still fails, contact Vertu Concierge for further advice.

The vibrating alert is disabled while the charger is connected to your Vertu phone.

When you want to stop charging your battery, for example when charging is complete:

- > Disconnect the charger from the AC outlet.
- Disconnect the charger from your Vertu phone by pulling the charger connector – do not pull the charger cable.

The charger can be used in conjunction with the data cable. For more information refer to "Connecting the data cable" on page 38.

#### **BATTERY**



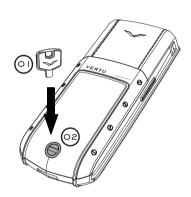
Caution. Do not dispose of batteries in a fire and always dispose of a battery according to local regulations. Do not dispose of as household waste.

Always switch the phone off and disconnect the charger before removing the battery.

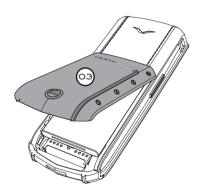
Do not remove the release tab or the protective plastic film from the battery as this will damage the battery.

# REMOVING THE BATTERY

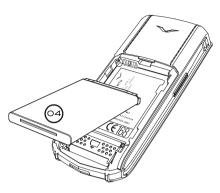
> Switch off your Vertu phone and disconnect the charger and any accessories.



> With the back of your Vertu phone facing you, position the back cover release key (01) very carefully into the slot of the locking screw (02). Ensure the key does not slip out of the slot.



> Turn the locking screw a quarter of a turn anti-clockwise, and gently pivot and lift off the back cover (03) as shown. If you accidentally remove the back cover while the phone is switched on, the phone will automatically switch off.



 Gently prise the bottom of the battery (04) then pivot and lift it upwards and outwards from your Vertu phone.



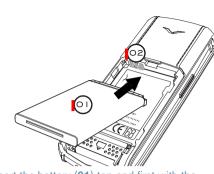
If you do not re-insert the battery or insert another battery right away, insert the plastic placeholder (05) originally supplied with your Vertu phone before replacing the cover.



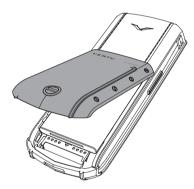
Your Vertu phone will lose its date and time settings if the battery is removed for more than approximately two hours.

Refer to "Battery information" on page 43 for more information about your battery.

#### INSTALLING THE BATTERY



Insert the battery (01) top end first with the printed on side facing up from the rear of the phone. Ensure that the contacts on the top end of the battery align with the contact points (02) inside the battery compartment.



 Pivot the back cover into position until it clicks into place. The cover should close tightly using only light pressure – do not force it closed! If the cover does not close easily, remove it and check the battery is correctly inserted.

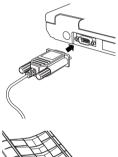
Refer to "Battery information" on page 43 for more information about your battery.

#### DATA CABLE

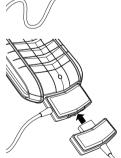
The data cable is available as an optional accessory. When used in conjunction with a compatible computer, it allows you to use the Vertu Data Suite software supplied on the CD-ROM to manage your phone. The data cable also enables you to use your Vertu phone as a modem to transfer data, or send and receive faxes. For more information on using your Vertu phone as a modem contact your service provider.

You will need to install Vertu Data Suite in order to use your Vertu phone as a modem. For more information on installing Vertu Data Suite refer to "CD-ROM" on page 39.

#### CONNECTING THE DATA CABLE



- > Connect the end of the data cable with the screws attached to the Serial (COM) port of your compatible computer, ensuring it is seated properly.
- > Tighten the screws.
- Ensure yourVertu phone is switched on.
  - Insert the data cable connector into the bottom of your Vertu phone as shown. (Your data cable connector may be slightly different to the one shown.)



If necessary, with the data cable inserted, you can also connect the charger to your Vertu phone.

 Plug the charger connector into the back of the data cable connector as shown.



The headset will not operate if the headset connector is plugged into the back of the data cable connector.

### CD-ROM

The CD-ROM provided with your Vertu phone contains an electronic version of the User manual and the Vertu Data Suite software.

Vertu Data Suite allows you to back up and restore phone data, such as the directory and agenda, using a compatible computer. Vertu Data Suite also allows you to use your Vertu phone as a modem when it is connected to a compatible computer.

#### SPECIFICATIONS

The Vertu CD-ROM will only work on a compatible computer with a tray-loading CD-ROM drive and with at least the minimum specifications listed below.

#### MINIMUM SPECIFICATION

Operating System	Microsoft® Windows® 95, 98, 2000, NT, ME or XP
Processor	Intel® Pentium® 200 MHz or equivalent
Graphic	800x600 pixels 256 colours
Memory	64 MB
CD drive	CD-ROM 4x speed or higher

#### RECOMMENDED SPECIFICATION

System	Microsoft® Windows® 98, 2000, ME or XP
Processor	Intel® Pentium® II
	350 MHz or equivalent
Graphic	800x600 pixels
	65,536 colours
	8 MB video memory
Memory	128 MB
CD drive	16x speed

#### STARTING THE CD-ROM

- > Ensure your compatible computer complies with at least the minimum specifications listed above.
- Insert your Vertu CD-ROM into the CD-ROM tray.
- > Select your desired language. The introduction plays.

If the CD-ROM application does not start automatically, follow the procedure below:

- > Double-click on the My Computer icon on the desktop and locate your CD-ROM drive.
- Double-click on the Vertu CD-ROM icon, which has replaced your usual CD-ROM icon.
- If the application does not start automatically, double-click on the Vertu.exe file.
- Select your desired language. The introduction plays.

After the introduction has played, a navigation bar with several buttons appears on the screen.

### INSTALLING VERTU DATA SUITE



After you have installed Vertu Data Suite, your computer will restart automatically. Ensure that you have closed all other applications and saved any data you want to keep before installing Vertu Data Suite.

- Start the CD-ROM as described above.
- Click on the DATA SUITE button on the navigation bar.
- Follow the on-screen instructions to complete the installation.

### VIEWING THE ELECTRONIC USER MANUAL

- Start the CD-ROM as described above.
- Click on the USER MANUAL button on the navigation bar.
- Follow the on-screen instructions to view the User manual in your desired language.

#### CARE AND MAINTENANCE

Your Vertu products have been crafted from the finest materials and care should be taken to keep them in good condition.

Damage caused by failing to observe the following instructions is not covered by the warranty.

#### CERAMICS AND SAPPHIRE

Ceramics and sapphire are very hard materials but are also brittle and can be scratched by harder materials or objects. Furthermore, they can be damaged if dropped.

#### Please avoid the following:

- > Contact with other hard objects and materials such as diamond rings, nail files, sand paper, abrasives, quartz crystals, metal oxides, nitrides and carbides.
- > Dropping or knocking the product on hard surfaces.
- > Repeated rubbing against hard surfaces.

#### LEATHER

All Vertu leather products are made by expert craftsmen. Each leather hide is unique and has its own natural characteristics which should be considered part of the individuality of fine leather and not as imperfections or flaws. All leather can be damaged and should be treated with care.

#### Please avoid the following:

- > Prolonged exposure to water and high humidity.
- > Exposure to extreme temperatures.
- > Contact with oily substances, make-up and solvents.

#### METAL

Vertu metals are finished to a high standard and care needs to be taken to maintain their appearance. Vertu precious metals have a high tarnish resistance but will need polishing to remove fingerprints. Protect in soft cases where possible and polish only with Vertu recommended polishing cloth.

### Please avoid the following:

- > Contact with chemicals such as solvents, alkaline and acid solutions, cola-based drinks and prolonged exposure to salt water. Wipe with a clean, soft cloth as soon as possible if contact occurs.
- > Contact with sharp objects.
- > Dropping or knocking against hard surfaces.

### THE MICROFIBRE POLISHING CLOTH

The microfibre polishing cloth is hand washable and is provided for polishing the surfaces and removing fingerprints. The surface MUST be free from dust before polishing as dust particles may damage metal surfaces when polished.



Jewellery cleaner must not be used as this may affect the mechanics of the product and invalidate the warranty.

#### GENERAL CARE TIPS

- Do not use or store your Vertu phone in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- > Do not store your Vertu phone in hot areas. High temperatures can shorten the life of electronic components and damage batteries.
- > Do not store your Vertu phone in cold areas. When your Vertu phone returns to its normal temperature, moisture can form inside and damage the electronics.
- > Do not attempt to open your Vertu phone other than as instructed in this guide.
- > Do not drop, knock, or shake your Vertu phone. Rough handling can break internal circuit boards and fine mechanics.

#### BATTERY INFORMATION

Your Vertu phone is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times but it will eventually wear out. If you notice that the talk and standby times are much shorter than normal, you may need a new battery. Contact Vertu Concierge to acquire a Vertu approved battery. Use only Vertu approved batteries and recharge your battery using only the Vertu approved chargers designed for your Vertu phone.

#### CHARGING AND DISCHARGING

Unplug the charger from the AC outlet and your Vertu phone when not in use. Do not leave your Vertu phone connected to a charger.

Overcharging the battery may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

#### BATTERY CARE AND SAFETY

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery (the metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket, purse or bag. Short-circuiting the terminals may damage the battery and the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). If your battery is very hot or extremely cold, your Vertu phone may not work temporarily, even if the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.



Caution. Never dispose of batteries in a fire.

Always dispose of batteries according to local regulations. Please recycle when possible. Do not dispose of batteries as household waste.

#### SAFETY INFORMATION

#### TRAFFIC SAFFTY

Do not use a hand-held telephone while driving a vehicle. If using a hand-held phone park the vehicle before conversing. Do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember road safety always comes first!

#### OPERATING ENVIRONMENT

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position. When the phone is on and being worn on the body, always use an approved carrying case.

#### **ELECTRONIC DEVICES**

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

# PACEMAKERS

Pacemaker manufacturers recommend that a minimum separation of 15 cm (6 inches) be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

#### Persons with pacemakers:

 Should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on;

- Should not carry the phone in a breast pocket;
- > Should use the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, switch off your phone immediately.

#### HEARING AIDS

Some wireless phones may interfere with some hearing aids. In the event of such interference, consult your service provider.

#### OTHER MEDICAL DEVICES

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions.

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

### VEHICLES

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems).

Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

#### AIRCRAFT

Switch off your phone before boarding an aircraft. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal. In the United States, FCC regulations prohibit using your Vertu phone while in the air

Failure to observe these instructions may lead to suspension or denial of telephone services to the offender, or legal action or both.

#### POSTED FACILITIES

Switch your phone off in any facility where posted notices so require.

#### POTENTIALLY EXPLOSIVE ATMOSPHERES

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone when at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquified petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

#### WATER RESISTANCE



The accessories designed to be used with your Vertu phone do not meet the same durability or water resistance specifications as the phone itself. For example, chargers can only be used in dry conditions. They should never be used when damp or wet.

- > You can use your Vertu phone in the rain, but you should not submerge it in water.
- Before opening the back cover, dry your Vertu phone to prevent water from reaching the interior. The SIM card and battery are not water resistant.
- > Never charge your Vertu phone when the accessories connector is wet or damp.
- > Never use accessories when your Vertu phone is wet or damp.



Make sure the interior of your Vertu phone and the back cover seals are dry, clean, and free of any foreign objects. Foreign objects may damage the seals against water.

78 cc (4.76 in<sup>3</sup>)

### **SPECIFICATIONS**

Volume

<del>-</del>	
Weight	173 g (6.10 oz)
Length	108 mm (4.25 in)
Width	42 mm (1.65 in)
Thickness	20.5 mm (0.81 in)

#### POWER MANAGEMENT

ı	Battery Capacity	720 mAh
I	Maximum talk time	2.5 to 4 hrs**
ī	Maximum stand-by	100 to 150 hrs**

<sup>\*\*</sup>network dependent

<sup>\*\*</sup>variation in operating time will occur depending on usage and location

#### GLOSSARY OF TERMS

The following terms are used in this Quick guide:

NUMBER KEYS The keys that are used to enter (key in) text or numbers.

**DEFAULT** Initial product setting as supplied by Vertu when it leaves our manufacturing facility.

SIM CARD Subscriber Identity Module.

This is a small card supplied by your service provider to insert into your Vertu phone for a network connection.

SERVICE The provider of your SIM card PROVIDER and all associated network services.

NETWORK A feature which is made SERVICE available at the discretion of your service provider.

STAND-BY The display that appears when DISPLAY your Vertu phone is switched on, with menu and directory at the bottom.

VERTU

#### WARRANTY

#### VERTU TWO-YEAR LIMITED WARRANTY

THIS LIMITED WARRANTY SHALL NEITHER EXCLUDE NOR LIMIT (I) ANY MANDATORY STATUTORY RIGHTS OF THE CLIENT OR (II) ANY OF THE CLIENT'S RIGHTS AGAINST THE SELLER/DEALER OF THE PRODUCT.

VERTU LTD ("Vertu") warrants that this cellular phone ("Product") is free from defects in material and workmanship according to the following terms and conditions:

- 1. The Limited Warranty for the Product extends for TWO (2) years beginning on the date of original purchase or delivery of the Product, whichever is the later. In case of a change of owner/user, such warranty period shall continue for the remaining part of the twenty-four (24) month period and otherwise remain unaffected.
- During the period of the Limited Warranty, Vertu will repair, modify or replace, at Vertu's sole option, any defective parts, or any parts that will not properly operate for their intended use with new or refurbished replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Client for the repair or replacement of any such parts. Vertu will also pay for the labour charges incurred by Vertu in repairing or replacing the defective parts. The repaired Product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. This Limited Warranty does not cover damage to or defects in (other than manufacturing defects) appearance, cosmetic, decorative or structural items and any non-operative parts. Vertu's limit of liability under the Limited Warranty shall be the price paid by the Client for the Product less a reasonable amount for usage. These remedies are the Client's exclusive remedies for breach of this Limited Warranty.
- 3. Upon request from Vertu, the Client must prove the date of the original purchase or delivery of the Product by producing a legible and non-modified original certificate of authenticity which clearly indicates the name and address of an authorised retailer, the date and place of purchase/delivery, the product type and the IMEI or serial number of the Product, a bill of sale or a dated receipt which contains the same information.
- 4. Vertu shall bear the cost of shipping the Product to the location from which the Client handed over the Product to Vertu (or its representatives) after the completion of service under this Limited Warranty.

- VERT
- 5. The Client shall have no coverage or benefits under this Limited Warranty if any of the following conditions are applicable:
  - a) The Product has been subject to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, spillage of food or liquid, exposure to chemical agents, unauthorised modifications, unauthorised connections, unauthorised repair, rough handling, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Vertu, including without limitation damage caused by shipping, deterioration of consumable parts, such as batteries which by their nature have a limited lifecycle, and breakage or damage to antennas.
  - b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to thermal, environmental or weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, damage caused by computer or internet viruses, bugs, worms, Trojan Horses, cancel bots or damage caused by the connection to other products not recommended for interconnection by Vertu.
  - c) The Customer Service Department at Vertu was not advised by the Client in writing of the alleged defect or malfunction of the Product within thirty (30) days after the expiration of the applicable warranty period.
  - d) The Product was not returned to Vertu or its authorised retailer within thirty (30) days after the appearance of the defect within the warranty period.
  - e) The Product serial number plate or the accessory data code has been removed, defaced, altered or is illegible.
  - f) The defect or damage was caused by the defective function of the cellular network system or by inadequate signal reception by the external antenna.
  - g) The defect was caused by the Product being used with or connected to an accessory not manufactured and supplied by Vertu or used other than for its intended use.
  - h) The battery was short circuited or the seals of the battery enclosure or cells are broken or show evidence of tampering or the battery was used in equipment other than that for which it has been specified.
  - i) The Product software needs to be updated due to changes in cellular network parameters.

- If a problem develops during the period of the Limited Warranty, the following procedure will apply:
  - a) The Client shall return the Product to the place of purchase for repair or replacement processing or if this is not convenient because of distance (more than 50 miles/80 km) or for other good cause, the Client may contact Vertu Concierge.
  - b) The Client shall bear the costs of transporting the Product to the relevant Vertu service location, with transport and insurance charges prepaid.
  - c) Subject to Clause 6(e), the Client will be billed for any parts or labour charges not covered by this Limited Warranty.
  - d) Vertu will repair or authorise the repair of the Product under the Limited Warranty within 30 days after receipt of the Product by Vertu or a Vertu authorised service centre, or within an extended period as may be notified by Vertu to Client due to the nature of the repair ("Timeframe"). If Vertu cannot repair within the Timeframe, or after a reasonable number of attempts to repair the same defect, Vertu at its sole option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage.
  - e) If the Product is returned to the Customer
    Service Department at Vertu during the period
    of the Limited Warranty, but the problem with
    the Product is not covered under the terms and
    conditions of this Limited Warranty, the Client
    will be notified and given an estimate of the
    charges the Client must pay to have the
    Product repaired, with all shipping charges
    billed to the Client. If the estimate is refused, the
    Product will be returned freight collect. If the
    Product is returned to the Customer Service
    Department at Vertu after the expiration of the
    warranty period, Vertu's normal service policies
    shall apply and the Client will be responsible for
    all shipping charges.
- 7. TO THE FULLEST EXTENT PERMITTED BY LAW, THE WARRANTIES AND CONDITIONS STATED IN THIS LIMITED WARRANTY ARE IN LIEU OF ALL OTHER CONDITIONS, WARRANTIES OR OTHER TERMS CONCERNING THE SUPPLY OR PURPORTED SUPPLY OF, OR FAILURE TO SUPPLY OR DELAY IN SUPPLYING THE PRODUCT WHICH MIGHT, BUT FOR THE AFFECT OF THIS CLAUSE 7, HAVE EFFECT BETWEEN VERTU AND THE CLIENT OR WOULD OTHERWISE BE IMPLIED OR INCORPORATED INTO THIS LIMITED WARRANTY OR ANY COLLATERAL CONTRACT, WHETHER BY STATUTE,

COMMON LAW OR OTHERWISE, ALL OF WHICH ARE HEREBY EXCLUDED (INCLUDING WITHOUT LIMITATION, THE IMPLIED CONDITIONS, WARRANTIES OR OTHER TERMS AS TO SATISFACTORY QUALITY OR FITNESS FOR PURPOSE).

- 8. VERTU SHALL NOT BE LIABLE FOR LOSS OR DAMAGE, WHETHER SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL, INCLUDING BUT NOT LIMITED TO ANY OF THE FOLLOWING LOSSES OR DAMAGE (WHETHER SUCH LOSSES OR DAMAGE WERE FORESEEN, FORESEEABLE, KNOWN OR OTHERWISE):
  - a) LOSS OF ANTICIPATED BENEFITS OR PROFITS.
  - b) LOSS OF ACTUAL OR ANTICIPATED SAVINGS.
  - c) PUNITIVE DAMAGES.
  - d) THIRD PARTY CLAIMS.
  - e) LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT OR FACILITIES.
  - f) DOWNTIME OR LOSS OF BUSINESS.
  - g) LOSS OF OPPORTUNITY.
  - h) LOSS OF GOODWILL.
  - i) LOSS OF REPUTATION.
  - j) LOSS OF OR DAMAGE TO OR CORRUPTION OF DATA.
- Vertu does not warrant uninterrupted or error free internet or data connections.
- Vertu shall not be liable for any delay in rendering service under the Limited Warranty, or loss of use during the period that the Product is being repaired.
- 11. Vertu's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the sale of the Product shall be the price paid by the Client for the Product less a reasonable amount for usage.
- 12. The invalidity or unenforceability of any term or any part of any term of, or any right arising pursuant to, this Limited Warranty shall not affect the validity or enforceability of any other terms or rights or the remainder of any such term or right, which shall continue in full force and effect except for any such invalid or unenforceable provision or part thereof.
- 13. Vertu neither assumes nor authorises any authorised service centre or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this Limited Warranty, including the provider or seller of any extended warranty or service agreement. Any

- change or amendment to this Limited Warranty requires Vertu's prior written consent.
- 14. This Limited Warranty represents the whole agreement between the parties relating to the subject matter hereof.
- 15. This Limited Warranty allocates the risk of failure of the Product between the Client and Vertu. The allocation is recognised by the Client and is reflected in the purchase price of the Product.
- 16. Any action or lawsuit for breach of warranty must be commenced within thirty (30) months following delivery of the Product.
- 17. All warranty information, product features and specifications are subject to change without notice.
- 18. Questions concerning this Limited Warranty may be directed to the Customer Service Department at the following addresses:

# FOR EUROPE, MIDDLE EAST AND AFRICA:

Vertu Ltd. Beacon Hill Road Church Crookham HANTS GU528DY United Kingdom

#### FOR THE AMERICAS:

Vertu Americas Inc. 595 Madison, 37th Floor New York, NY 10022 United States of America

### FOR ASIA PACIFIC:

Vertu Pte Ltd. 391B Orchard Road #24-02/05, Ngee Ann City, Tower B Singapore 238874

#### FDA UPDATE ON WIRELESS PHONES



This information is provided for clients who purchased a Vertu phone for use in the United States of America.

# I. DO WIRELESS PHONES POSE A HEALTH

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the

# 2. WHAT IS FDA'S ROLE CONCERNING THE SAFETY OF WIRELESS PHONES?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- > Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

> Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- > National Institute for Occupational Safety and Health
- > Environmental Protection Agency
- > Federal Communications Commission
- > Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications
Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

# 3. WHAT KINDS OF PHONES ARE THE SUBJECT OF THIS UPDATE?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called cell mobile or PCS phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the users head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically

lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called cordless phones; which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

# 4. WHAT ARE THE RESULTS OF THE RESEARCH DONE ALREADY?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

# 5.WHAT RESEARCH IS NEEDED TO DECIDE WHETHER RF EXPOSURE FROM WIRELESS PHONES POSES A HEALTH RISK?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect

if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancercausing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

### 6. WHAT IS FDA DOING TO FIND OUT MORE ABOUT THE POSSIBLE HEALTH EFFECTS OF WIRELESS PHONE RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

# 7. HOW CAN I FIND OUT HOW MUCH RADIOFREQUENCY ENERGY EXPOSURE I CAN GET BY USING MY WIRELESS PHONE?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health

and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

# 8. WHAT HAS FDA DONE TO MEASURE THE RADIOFREQUENCY ENERGY COMING FROM WIRELESS PHONES?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques, sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/ g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

# 9. WHAT STEPS CAN I TAKE TO REDUCE MY EXPOSURE TO RADIOFREQUENCY ENERGY FROM MY WIRELESS PHONE?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple

steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data does not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

# IO. WHAT ABOUT CHILDREN USING WIRELESS PHONES?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard

# I I. WHAT ABOUT WIRELESS PHONE INTERFERENCE WITH MEDICAL EQUIPMENT?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This

standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a accompanied hearing aid at the same time. This standard was approved by the IEEE in 2000. FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur. FDA will conduct testing to assess the interference and work to resolve the problem.

# I 2. WHERE CAN I FIND ADDITIONAL INFORMATION?

For additional information, please refer to the following resources:

- > FDA web page on wireless phones http://www.fda.gov/cellphones
- Federal Communications Commission (FCC) RF Safety Program http://www.fcc.gov/oet/rfsafety
- International Commission on Non-Ionizing Radiation Protection http://www.ionirp.de
- > World Health Organization (WHO) International EMF Project http://www.who.int/emf
- » National Radiological Protection Board (UK) http://www.nrpb.org/

July 18th 2001, for updates: <a href="http://www.fda.gov/cellphones">http://www.fda.gov/cellphones</a>

#### SAFE & RESPONSIBLE PHONE USE



This information is provided for clients who purchased a Vertu phone for use in the United States of America.

Tens of millions of people in the U.S. today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone.

Quite simply, the wireless phone gives people the powerful ability to communicate by voice—almost anywhere, anytime—with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle – whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense – keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This information is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need.

WHEN IT COMES TO THE USE OF WIRELESS PHONES, SAFETY IS YOUR MOST IMPORTANT CALL.

# WIRELESS PHONE "SAFETY TIPS"

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember.

1 Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

- 2 When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
- 3 Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it with out removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
- 5 Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or near by vehicles.
- 6 Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip dial only a few numbers, check the road and your mirrors, then continue.
- **7** Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8 Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations – with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency.

Remember, it is a free call on your wireless phone!

9 Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

# 10 Call roadside assistance or a special wireless nonemergency assistance number when necessarv.

Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number. Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the

wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

# THE WIRELESS INDUSTRY REMINDS YOU TO USE YOUR PHONE SAFELY WHEN DRIVING.

For more information, please call 1-888-901-SAFE.

# For updates:

http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85

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#### FCC NOTICE



This information is provided for clients who purchased a Vertu phone for use in the United States of America.

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.\* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 0.45 and when worn on the body, as described in the user guide, is 0.28. (Bodyworn measurements differ among phone models, depending upon available accessories and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC (search for FCC ID: P7Q on the FCC web site <a href="http://www.fcc.gov/oet/fccid/">http://www.fcc.gov/oet/fccid/</a>).

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the Vertu leather holster case designated for this product.

Use of other cases and belt clips may not ensure compliance with FCC RF exposure guidelines.

\*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="http://www.vertu.com">http://www.vertu.com</a>.

#### INDUSTRY CANADA NOTICE



This information is provided for clients who purchased a Vertu phone for use in Canada.

THIS MODEL PHONE MEETS GOVERNMENT
REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy set by Industry Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the Industry Canada is 1.6 W/kg\* Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, compliance with the Canadian Standard must be shown.

The highest SAR value for this model phone when tested for use at the ear is 0.45 and when worn on the body, as described in the user guide, is 0.28.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for RF exposure.

\*The SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of body tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="https://www.vertu.com">https://www.vertu.com</a>.

#### ACA NOTICE



This information is provided for clients who purchased a Vertu phone for use in Australia.

# THIS MODEL PHONE MEETS GOVERNMENT REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy set by the Australian Communications Authority (ACA). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the ACA is 1.6 W/kg\* Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, compliance with the Australian Standard must be shown. The highest SAR value for this model phone when tested for use at the ear is 0.3.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for RF exposure.

\*The SAR limit for mobile phones used by the public is 1.6 Watts/kilogram (W/kg) averaged over ten grams of body tissue.

The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="http://www.vertu.com">http://www.vertu.com</a>.

#### EU R&TTE NOTICE



This information is provided for clients who purchased a Vertu phone for use in the European Union.

THIS MODEL PHONE MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radiofrequency (RF) energy recommended by The Council of the European Union. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit recommended by The Council of the European Union is 2.0 W/kg.\* Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown.

This directive includes as one essential requirement the protection of the health and the safety for the user and any other person.

The highest SAR value for this model phone when tested for compliance against the standard was 0.3 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

\* The SAR limit for mobile phones used by the public is 2.0 Watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="http://www.vertu.com">http://www.vertu.com</a>.

#### ICNIRP NOTICE



This information is provided for clients who purchased a Vertu phone for use in countries that require compliance with ICNIRP recommendations.

# THIS MODEL PHONE MEETS REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg\*. Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

The highest SAR value for this model phone when tested for use at the ear is 0.3 W/kg.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the relevant international guidelines for RF exposure.

\*The SAR limit for mobile phones used by the public is 2.0 Watts/kilogram (W/kg) averaged over ten grams of body tissue.

The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="http://www.vertu.com">http://www.vertu.com</a>.

#### GENERIC SAR NOTICE



This information is provided for clients who purchased a Vertu phone for use in countries that do not define specific requirements for SAR performance.

THIS MODEL PHONE MEETS GOVERNMENT
REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set is 1.6 W/kg\* Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value.

This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, compliance with the regulations must be shown.

The highest SAR value for this model phone when tested for use at the ear is 0.5.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for RF exposure.

\*The SAR limit for mobile phones used by the public is 1.6 Watts/kilogram (W/kg) averaged over one gram of body tissue.

The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For additional SAR information go to <a href="http://www.vertu.com">http://www.vertu.com</a>.

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Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

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### FCC/INDUSTRY CANADA NOTICE

Your Vertu phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your phone if such interference cannot be eliminated. If you require assistance, contact Vertu Concierge. This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

#### DECLARATION OF CONFORMITY

We, Vertu Ltd. declare under our sole responsibility that the product, **Vertu Ascent** is in conformity with the provision of the following Council Directive: 1999/5/EC.

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