

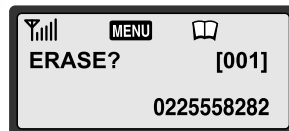


ERASING AN ENTRY IN PHONEBOOK



To Erase a Specific Entry

1. Press **MENU**, **1** (Phonebook) and **3** (Erase).
2. Press one of search options, **1** (Name), **2** (Number) or **3** (Memory).
3. Enter name, address, or phone number according to search option.
4. Select an item to erase by pressing **◀** or **▶** and pressing **OK**.
NOTE: "ENTER LOCK CODE" appears when you try to access a secretly saved number. Enter the lock code and press **STORE**.
5. Press **STORE** again to erase.
6. Press **STORE** again to confirm.
To cancel, press **CLEAR**.

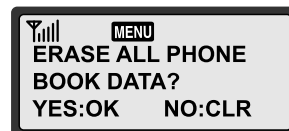


ERASING ALL ENTRIES IN PHONEBOOK




To Erase All Entries in Phonebook

1. Press **MENU** and **7** (Security).
2. Enter lock code.
NOTE: Default Lock code is last 4 digits of your phone number. To change lock code, see page 37.
3. Press **6** (Erase Names).
4. Press **STORE** to confirm.

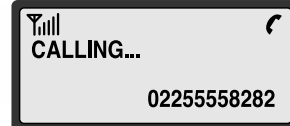
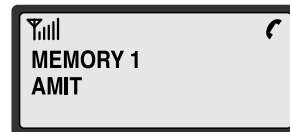


ONE-TOUCH DIALING

Memory locations 01 ~ 09 are special one-touch dialing locations. You can dial the numbers stored in 01~09 by pressing just one key.


1. Pick up the handset or press .
2. Press and hold the number of the location (1~9) containing the number to be called for a moment.
3. The name and the phone number displays and dials automatically.

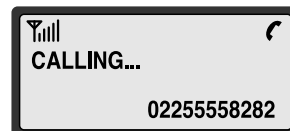
NOTE: Location 1 may be preprogrammed as emergency number or voice mail. Please check with your service provider.



TWO-TOUCH DIALING

Memory locations 10 ~ 99 are two-touch dialing locations. You can dial the numbers stored in 10~99 by pressing the first digit and pressing and holding the second digit.

1. Pick up the handset or press .
2. Briefly press the first digit of the memory location number, then press the second digit and hold it down for a moment.
Example) To dial location 23, briefly press the 2, then press 3 and hold for a moment.
3. The phone number stored displays and dials automatically.



NOTE1: When you try one-touch or two-touch dialing for the number secretly saved, the phone will prompt for Lock code entry. Enter the lock code to make a call.

NOTE2: "EMPTY LOCATION" displays when you try one-touch or two-touch dialing with empty location number.



Useful Features

- Call History**
- Displaying Your Phone Number**
- Mute**
- Selecting Time Mode**
- Setting the Alarm**
- Checking and Clearing Call Times**
- Setting Warning Alerts**

C ALL HISTORY

Your phone stores the last 20 outgoing calls, 20 incoming, and 20 missed calls (only when Caller ID function is activated).

You can display and redial these numbers.



Redialing Incoming or Outgoing Calls

1. Press **MENU**, **3** (Call History), **3** (Outgoing).

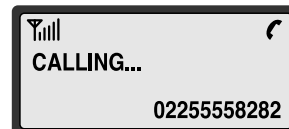
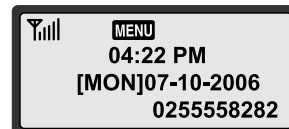
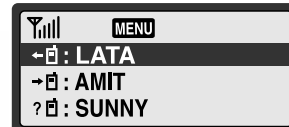
NOTE: If there's no outgoing call history, "OUTGOING CALL MEMORY EMPTY!" displays.

2. Press **▲** or **▼** to select number to redial.
3. Press **REDIAL** to redial the number.

NOTE1: Press **STORE** to see time and date of the call made. Then press **REDIAL** to redial the number or press **STORE** again to save the number in memory.

NOTE2: To redial the last number called, just pick up the handset or press **☎** and **REDIAL**.

NOTE2: Missed history is available only when caller ID is activated.



Erasing Call History

1. Press **MENU**, **7** (Security).
2. Enter lock code.

NOTE: Default Lock code is last 4 digits of your phone number. To change lock code, see page 37.

3. Press **5** (Erase Logs).
4. Select type of call history you want to clear.
 - [1] - Missed Call
 - [2] - Incoming
 - [3] - Outgoing
 - [4] - All Calls Clear
5. Press **STORE** to confirm.



C ALL TIMER DISPLAY

Toggle Call Timer Display

1. Press **MENU** , **6** (Configuration).
2. Press **1** (Call Timer).
3. Scroll to select ON or OFF.
4. Press **STORE** to confirm.



D ISPLAYING YOUR PHONE NUMBER

Displaying Your Phone Number

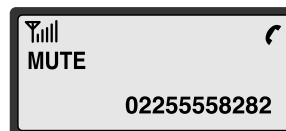
1. Press **MENU** , **6** (Configuration).
2. Press **5** (My Phone Number).



M UTE

This feature lets you mute the microphone, so that the other party cannot hear your voice or the sound of your surroundings. This function is available only during conversation.

1. Press **MENU** , **1** (Mute) during conversation.
The message 'MUTE' blinks to indicate the function is working. The other party can no longer hear you, but you can hear them.
2. Press **MENU** , **1** again to resume the conversation.



S ELECTING TIME MODE

1. Press **MENU**, **4** (Time), **5** (Time Mode).
2. Select the time display mode by pressing **◀** or **▶**.
 - AM/PM: Display 0~12 hours with A or P indicator
 - 24 Hour: Display 00~24 hours
3. Press **OK** to save the change.

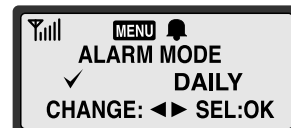
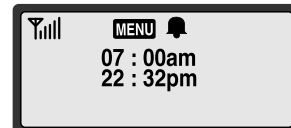
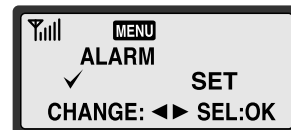


axess•tel

SETTING THE ALARM

You can set the alarm sound daily or one time only.

1. Press **MENU**, **4** (Time), **1** (Alarm).
2. Select "SET" by pressing **◀** or **▶** and press **OK**.
3. Enter alarm time and press **OK**.
4. Select alarm mode by pressing **◀** or **▶** and press **OK**.
Daily: Alarm sounds daily.
One time: Alarm sounds once.
5. Enter the duration of the alarm by pressing **◀** or **▶** and press **OK**.
A bell icon (alarm) appears in icon line.
On alarm time, the icon and "ALARM TIME" message blinks and alarm goes off.
Press any key to stop the alarm.



Canceling the Alarm Time

1. Press **MENU**, **4** (Time), **1** (Alarm).
2. Select "RELEASE" by pressing **◀** or **▶** and press **OK** to store the setting.

Changing Alarm Tone (FM Radio Alarm)

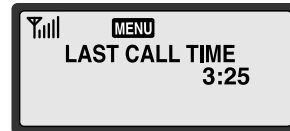
1. Press **MENU**, **5** (Sound), **6** (Alarm Tone).
2. Scroll to select prefer alarm tone sound. You may choose from default tones, melody ring tones, or FM Radio preset station for your alarm tone.
3. Press **STORE** to confirm.

CHECKING AND CLEARING CALL TIMES



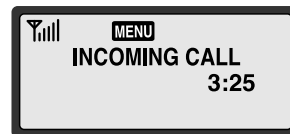
Checking the Last Call Time

1. Press **MENU**, **4** (Time), **2** (Last Call).
2. Press **CLEAR** to exit the display.



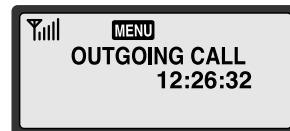
Checking Accumulated Incoming Call Time

1. Press **MENU**, **4** (Time), **3** (Total Time), **1** (Incoming).
2. Press **CLEAR** to exit the display.



Checking Accumulated Outgoing Call Air Time

1. Press **MENU**, **4** (Time), **3** (Total Time), **2** (Outgoing).
2. Press **CLEAR** to exit the display.



Reset Accumulated Call Time

1. Press **MENU**, **4** (Time), **4** (Clr Call Time).
2. Press **OK**.



SETTING WARNING ALERTS

You can set your phone to sound warning beeps that indicate:

- each minute you are on a phone call
- when you are out of the service area



Setting/Releasing 1 Minute Alert

1. Press **MENU**, **5** (Sound), **4** (1 Min Alert).
2. Select ON or OFF by pressing **◀** or **▶**.
3. Press **OK**.

NOTE: When 1 minute alert is set, the phone gives alert sound each minute while you are on a phone call.



Setting/Releasing Service Alert

1. Press **MENU**, **5** (Sound), **5** (SVC Alert).
2. Select ON or OFF by pressing **◀** or **▶**.
3. Press **OK**.

NOTE: When service alert is set, the phone gives alert sound when the phone is acquiring or loses the service signal.



Setting/Releasing Connection Alert

1. Press **MENU**, **5** (Sound), **7** (Connect Alert).
2. Select ON or OFF by pressing **◀** or **▶**.
3. Press **OK**.

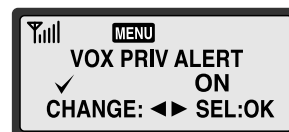
NOTE: When connection alert is set, the phone gives alert sound when the call has been connected to the number dialed.



Setting/Releasing Voice Privacy Alert

1. Press **MENU**, **5** (Sound), **8** (Voice Privacy Alert).
2. Select ON or OFF by pressing **◀** or **▶**.
3. Press **OK**.

NOTE: When voice privacy alert is set, the phone gives alert sound when the voice privacy is on.





Advanced Features

Changing Greeting Message

System Reset

Restricting Use of the Phone

Locking / Unlocking the Phone

Changing the Lock Code

Tone Length and Back Light

Language



CHANGING GREETING MESSAGE

This feature lets you change the greeting message that the phone displays during standby mode.

1. Press **MENU**, **6** (Configuration), **2** (Greeting).
2. Current greeting displays.
3. Press **OK** to change greeting.
4. Enter your new greeting message with alphanumeric keys.

NOTE: Press **MSG** to switch between capital and lower case letters.

Example) To enter "My Phone",

Press **6** **MSG** **9** **9** **9** **#*** **MSG** **7**
MSG **4** **4** **6** **6** **6** **6** **6** **3** **3**

5. Press **OK** to save change.



SYSTEM RESET

To reset your phone settings to manufacturer's defaults, follow these steps:

1. Press **MENU**, **7** (Security)
2. Enter lock code.

NOTE: Default Lock code is last 4 digits of your phone number. To change lock code, see page 37.

3. Press **7** (Factory Reset).
4. Select "YES" by pressing **Left** or **Right**.
5. Press **MSG**.
6. "PHONE INITIALIZATION" blinks while the phone is resetting.



To reset your phone settings to manufacturer's defaults and clear all user data, follow these steps:

1. Press **MENU**, **7** (Security)
2. Enter lock code.

NOTE: Default Lock code is last 4 digits of your phone number. To change lock code, see page 37.

3. Press **8** (Phone Reset).
4. Select "YES" by pressing **Left** or **Right**.
5. Press **MSG**.
6. "PHONE INITIALIZATION" blinks while the phone is resetting.

RESTRICTING USE OF THE PHONE

You can restrict the use of the phone by unauthorized persons.



Restricting Outgoing Calls

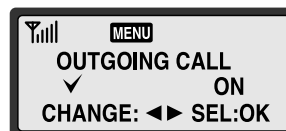
1. Press **MENU** , **7** (Security).
2. Enter lock code.

NOTE: Lock code is set as 0000 from the factory.

To change lock code, see page 37.

3. Press **2** (Restrict), **1** (Outgoing).
4. Select 'ON' by pressing **▲** or **▼** .
5. Press **OK** to save change.

In this mode, when you try to call, "OUTGOING CALL RESTRICTED" displays and no outgoing call goes through.



Restricting International Calls

1. Press **MENU** , **7** (Security).
2. Enter lock code.
3. Press **2** (Restrict), **2** (International).
4. Select 'ON' by pressing **▲** or **▼** .
5. Press **OK** to save change.

In this mode, when you try to make an international call (headed by 00), "INTERNATIONAL RESTRICTED" displays and no international call goes through.



Restricting Long Distance Calls

1. Press **MENU** , **7** (Security).
2. Enter lock code.
3. Press **2** (Restrict), **3** (Long Distance).
4. Select 'ON' by pressing **▲** or **▼** .
5. Press **OK** to save change.

In this mode, when you try to make a long distance call (headed by 0), "LONG DISTANCE RESTRICTED" displays and no long distance call goes through.





LOCKING / UNLOCKING THE PHONE

You can lock your phone so that calls cannot be made by unauthorized persons. You can still receive incoming calls. Turning the phone off does not unlock the phone; the phone stays in locked mode until you change it.

1. Press **MENU** , **7** (Security).
2. Enter lock code.
3. Press **3** (Auto Lock).
4. Select 'ON' or 'OFF' by pressing **◀** or **▶** .
5. Press **OK** to save the change.



NOTE1: When locked, the phone displays "LOCKED".

NOTE2: When locked, you have to enter the lock code to make a call.

NOTE3: You can still receive incoming calls.

CHANGING THE LOCK CODE

The lock code is preset to 0000 from the factory. You can change the lock code to any 4 digit number.

1. Press **MENU**, **7** (Security).
2. Enter lock code.
3. Press **1** (Change Code).
4. Enter your new lock code.

NOTE: The lock code must be four numeric digits.

5. Press **OK**.
6. Re-enter new lock code for verification.
7. Press **OK** to confirm.

NOTE: "CODE NOT MATCHED TRY AGAIN!"

displays if the second entry does not match the first entry.





BACK LIGHT

You can control the length of back lighting of the display and the keypad.

1. Press **MENU**, **6** (Configuration), **3** (Back light)
2. Select "8 SECONDS" or "ALWAYS OFF" by pressing **◀** or **▶**.
3. Press **OK** to save the change.

8 SECONDS: The light goes off automatically 8 seconds after no key press, calling, or no other activity occurs.

Always OFF: The light never comes on.

NOTE: This setting is in effective only when the phone is operating with battery power only. When power adaptor is connected, the back light is always on.



LANGUAGE

Select different language for phone interface

1. Press **MENU**, **6** (Configuration), **4** (Language)
2. Select "language" by pressing **◀** or **▶**.
3. Scroll to select English or Spanish.
4. Press **OK**.





Optional Features



- Call Forwarding**
- Call Waiting**
- Three-way Calling**
- Data Call Service**




Call Forwarding

Call Forwarding is a feature that lets you forward your incoming calls to another phone number, even if your phone is turned off or is in no service area. Contact your service provider to activate Call Forwarding.

Call Waiting

Call Waiting alerts you to a second incoming call while you are on the conversation . When there's another incoming call, you will hear warning beep. To respond to the call waiting, press  or hit shortly the hook switch once. Pressing  again or hitting the hook again will let you go back to the first call. Contact your service provider to activate Call Waiting.

Three-Way Calling

Three-Way Calling is a feature that lets you set up a three-way conversation with two different parties. While you're in conversation with a party, hit or the hook switch and place another call with the third party. Then press  or hit the hook switch again to connect the three parties together. Contact your service provider to activate Three-Way Calling.

DATA Call Service

Data Call Service is a network dependent feature and is available only when your service provider supports it. Check with your service provider for availability.



Connecting your PC requires optional cable, available separately.

1. Connect the phone to your PC with the optional serial or USB data cable.
2. Please refer to the manual provided with the cable for setting up a connection on your PC.
3. Call 121 or visit any of the nearest True Value Shop (TVS) to obtain a Data Kit.



Miscellaneous

Menu Table
Specification



MENU OPTION TABLE

I	II	III	Explanation	
1. PHONEBOOK	SEARCH	NAME	Used when searching for a phone number in the phone book by name/number/ stored memory number	
		NUMBER		
		LOCATION		
	STORE		Used when storing a phone number and name in the phone book	
	ERASE	NAME	Used when erasing a phone number in the phone book	
		NUMBER		
LOCATION				
2. MESSAGES	NEW MESSAGE		Send a new message	
	INBOX		Received SMS messages	
	VOICE MSG		SMS Services	
	TEMPLATES		Open pre-saved templates	
	SAVED MSG		Open saved messages	
	ERASE MSG		Erase received messages	
	MSG OPTION	MSG ALERT		Set message alert
		MSG ALERT TYPE		Set message alert type
		MSG ACK		Set Message Delivery ACK
		MSG PRIORITY		Set default message priority
		SAVE SENT MSG		Auto-Save sent messages
		AUTO DELETE		Auto-Delete received messages if INBOX is full
		EDIT TEMPLATE		Edit default templates
3. CALL HISTORY	MISSED CALL		Stores phone numbers called recently	
	INCOMING		Stores phone numbers of calls received recently	
	OUTGOING		Stores missed incoming calls	
	ALL CALL LIST		Stores all call history	
4. TIME	ALARM		Alarm On/Off	
	LAST CALL		Shows time duration of last call	
	TOTAL TIME	OUTGOING		Shows accumulated outgoing call time
		INCOMING		Shows accumulated incoming call time
	CLR CALL TIME		Resets accumulated call time	
	TIME MODE	AM/PM		Time: AM/PM display mode
		24 HOURS		Time: 24 Hours display mode
5. SOUND	RING TYPE		Determines whether the phone alerts the incoming call with sound or only with message	
	RINGTONES		Selects the ring type	
	RING VOLUME		Adjust ring volume	
	1 MIN ALERT	ON/OFF	Beeps at one minute interval during conversation	
	SERVICE ALERT	ON/OFF	Beeps when the phone is getting out of or entering service area	
	ALARM TONE	ALARM TONE	Selects alarm sound	
	CONNECT ALERT	ON/OFF	Beeps when the call is connected	
VOX PRIV ALRT	ON/OFF	Voice Privacy audible alert		
6. CONFIGURATION	CALL TIMER	ON/OFF	Toggles call timer display	
	GREETING		change greeting	
	BACK LIGHT		Set Back Light option	
	LANGUAGE		Set language	
	MY PHONE NUMBER		Show your phone number	

7. SECURITY	CHANGE CODE		Change Lock Code
	RESTRICT	OUTGOING	Restrict outgoing calls
		LONG DISTANCE	Restrict long distance calls
		INTERNATIONAL	Restrict international calls
	AUTO LOCK	ON/OFF	Lock the phone
	VERSION		Show phone information
	ERASE LOGS	OUTGOING	Erase outgoing calls history
		INCOMING	Erase incoming calls history
		MISSED	Erase missed calls history
		ALL CALLS	Erase all calls history
	ERASE NAMES		Erase all phonebook names
	FACTORY RESET		Reset to default settings
PHONE RESET		Reset to default settings and clears user data	
8. DATA SERVICE	COM PORT		Set port type
	DS SPEED		Set data communication speed
	SET RECEIVE		Set operation mode

SPECIFICATIONS

Frequency Range	PV510 Rx: 462 ~ 468 MHz Tx: 452 ~ 458 MHz PV520 Rx: 869 ~ 894 MHz Tx: 824 ~ 849 MHz PV530 Rx: 1930 ~ 1989 MHz Tx: 1850 ~ 1909 MHz	
Channel Bandwidth	CDMA 1.25 MHz	
Stability of frequency	0.4 ppm	
External appearance(mm)	208 x 200 x 105 mm	
Weight	849 g (without battery)	
Sending output	maximum 0.23W E.R.P	
Temperature of operation Relative humidity	-20 ~ +30 degrees Celsius 5% ~ 90%	
Adapter	Input: AC 100-240V 50~60Hz Output: DC 5V/2A	
Battery	Standby	16mA (Slot Cycle Index: 2) 72 hours
	Talk	405mA (at +10dBm) 3 hours

SAR INFORMATION

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 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the when worn on the body , as described in this user guide, is **0.891 W/Kg** . (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. 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 and can

be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on **FCC ID: PH7PV520**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

This device was tested for typical body-worn operations with the back of the phone kept 20 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 20 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF 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.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from your wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna. Do not touch the antenna unnecessarily when the phone is in use. Do not move the antenna close to, or touching any exposed part of the body when making a call.

FCC Compliance Information

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

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

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION **RADIO FREQUENCY INTERFERENCE STATEMENT**

INFORMATION TO THE USER

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

- *- Reorient or relocate the receiving antenna.
 - . Increase the separation between the equipment and receiver.
 - *- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
 - *- Consult the dealer or an experienced radio/TV technician for assistance.
- Changes or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.