

| LSI-120 | USER GUIDE

Please read this manual carefully before operating your set. Retain it for future reference.



Highlights

Congratulations on your subscription to the LSI-120R Fixed Wireless phone. This phone has been designed to operate on the IS-2000 Air Protocol over the 800MHz band. And the phone has the advanced user interface similar to mobile phone. It has greatly enhanced voice clarity and provides various advanced features.

Key phone features:

- ▶ Colour LCD with backlight
- ▶ Polyphonic Ring tones: A choice of 15 melodies, 5 bells and downloaded melodies available.
- ▶ Large Phonebook with 2000 entries
- ▶ Speed Dialling for up to 99 numbers
- ▶ 3 Way call conferencing
- ▶ Msg to E-Mail
- ▶ Enhanced SMS features - Group SMS, T9 Dictionary, 1234 Services
- ▶ Hands free Speaker Phone
- ▶ Receiver Off-Hook tone
- ▶ Adjustable Ringer volume, Earpiece volume, Key volume, Speaker volume
- ▶ A Menu driven interface with prompts for easy operations
- ▶ Predictive Text input T9 available along with Hindi Language
- ▶ Organiser: Scheduler, Alarm, Calculator, World Clock with DST, Memo, Stopwatch
- ▶ Two Games
- ▶ Fast charging battery

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Appendix. RF Exposure Statement
Appendix 2. Consumer Information on SAR

Important Information

1.1 Safety Instruction

WARNING / CAUTION

To reduce the risk of fire or electric shock, do not expose this phone to rain or moisture. Do not use this phone in swimming pools or other water bodies.

1.2 Optimal Phone Performance

- ▶ Do not hold the antenna when operating the phone, or operate the phone when someone is within four inches (ten centimeters) of the antenna. Both cases affect the call quality and may cause the phone to operate at a higher power level than required.
- ▶ For the best call quality, keep the antenna free from obstructions and position the antenna upright.
- ▶ Do not use the phone if the antenna is damaged. Replace the damaged antenna immediately by a qualified technician. Use only a manufacturer - approved antenna.

Non-approved antennas, modifications or attach-

ments may impair call quality and damage the phone.

- ▶ RF energy may affect improperly installed or inadequately shielded personal medical devices such as pace-makers or hospital monitors. Consult the manufacturer of any personal medical devices to determine whether they are adequately shielded from external RF energy.

Turn your phone OFF in health care centers if any regulations posted in the area instruct you to do so. Hospitals or health care centers may be using equipment that may be sensitive to external RF energy.

- ▶ If this phone causes 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
 - Place the radio or television farther away from the phone.
 - Connect the equipment to an outlet on a circuit different from that to which the phone is

presently connected.

- Consult the Authorized LGE Dealer for assistance of an experienced radio/TV technician.

- ▶ Use battery, antenna and AC/DC power adapter provided by LGE. Using parts made by any other manufactures may invalidate the warranty.
- ▶ Only authorized personnel should service the phone and its accessories. Faulty installation or service can be dangerous and may invalidate the warranty.
- ▶ Do not use the phone in any designated “cellular phone use” area.
- ▶ Avoid using the phone in high temperature or humidity.
- ▶ Avoid spilling any liquid on the phone. If the phone gets wet, turn the power off immediately.
If the phone doesn’ t work, please contact the service provider immediately.
- ▶ Avoid shock or impact.
- ▶ We recommend you to charge the backup battery before initial use. The backup battery may be

discharged during delivery.

Important Information

1.3 Care and Service

Before cleaning, always unplug the phone from the wall outlet Do not use liquid or aerosol cleaners; use a damp cloth for cleaning.

If the phone doesn’ t work, do not attempt to disassemble it, contact the authorized LGE Service center for assistance.

If any of the following conditions exist, unplug the phone from the wall plug, remove the battery and call the qualified engineer.

- The power supply cord is damaged or frayed.
- Liquid has spilled into the phone.
- The phone has been exposed to rain or water.
- The phone has been dropped or damaged.
- The phone does not function normally even after following the operating instructions.

Important Information

1.4 Safety Information

WARNING

- ▶ For safety, use only an adapter approved by LG.

LG does not bear responsibility for any faults that may arise due to non-conformation to this guide.

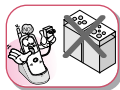
Example: LSI-120R (LG Power Adapter Source: DC 5V / 1A)



- ▶ Do not, in any way, cause a short-circuit. It may start a fire or the phone may explode causing injury.



- ▶ Do not create a sudden impact on the battery by throwing it. Do not dispose off batteries by putting them in a fire. They may explode or catch fire due to the electrolyte within.



CAUTION

- ▶ Do not use the phone with a car battery. It may cause electric shock, fire, breakdown or transformation.
- ▶ Avoid using the phone in high temperature or humidity. Avoid spilling any liquid on this phone. If the phone gets wet, turn off AC power supply.
- ▶ Keep the phone dry. Submersion, humidity, and liquids contain minerals that may corrode internal electronic circuits.
- ▶ Do not store or use the phone in dusty or dirty areas as this can damage the moving parts.
- ▶ Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and

Important Information

warp or melt certain plastics.

- ▶ Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which can damage the internal electronic circuit boards.



- ▶ Do not attempt to open it. Nonexpert handling of the phone could damage it. It may cause fire, electric shock and breakdown. Consult your authorized LG dealer for assistance.



- ▶ Do not drop, knock or shake the phone. Rough handling may break the internal circuit boards.



- ▶ Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone.

Wipe it with a soft cloth that has been slightly dampened in a mild soap and water solution.

- ▶ Do not paint the phone. Paint can clog the phone's moving parts and prevent proper functioning.



- ▶ During lightning, do not touch the power plug or the phone line.

It may result in an electric shock or death.

- ▶ Do not install the phone under direct sunlight or on an uneven surface.



- ▶ Before using the plug, check the available power voltage.

Inaccurate power voltage may cause fire and damage.

Example: LSI-1 20R Input Voltage:

100 ~ 240V.



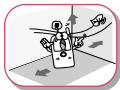
Important Information



- ▶ Do not plug many power cords into one outlet. It may cause fire or electric shock.



- ▶ Do not remodel the power cord or disassemble it. If the power cord or plug is impaired, do not use it. It may cause fire or electric shock.



- ▶ Do not install the phone in an ill-ventilated place. It may cause fire or a breakdown.



- ▶ Do not touch the plug with wet hands. When disconnecting the power cord of any accessory, grasp and pull out the plug itself and not the cord. It may cause fire or electric shock.

- ▶ Do not put heavy objects on the power cord. Do not bend the power cord too much. It may cause fire or electric shock.

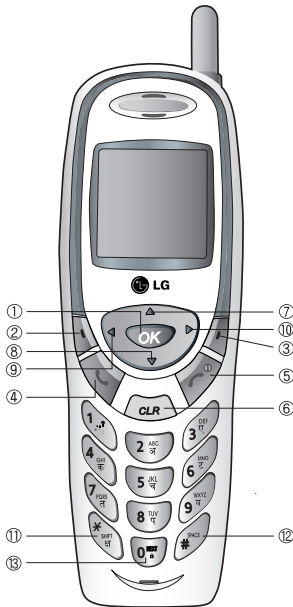


- ▶ Use only an LG-approved battery and adapter. If not, it may cause an explosion or result in a short-circuit. LG does not bear any responsibility for the damage.



- ▶ When you disconnect the power cord of any accessory, grasp and pull the plug itself and not the cord. It may cause the adapter to breakdown.

2.1 Front View of the Phone
















① OK Key	Accepts the highlighted choice when navigating through a menu.
Speaker ON OFF	During a call, activate speaker mode ON OFF.
R WorldAccess Key	Connect to R World by holding about 2 seconds in standby mode.
② Soft Key 1	Used to display the function setting menu
③ Soft Key 2	Used to select back in menu status.
④ CALL / FLASH Key	Allows user to place or answer calls. Hook-on/off in standby
⑤ END / PWR Key	Used to turn on/off power, end a call and return to the main menu screen.
⑥ Clear Key	Used to erase a single space or character by press once and delete a whole words by pressing and holding. Go back to the previous menu in any menu state. Access to all calls menu in standby mode.
⑦ Up Key	Access to message menu In standby mode,
⑧ Down Key	Access to ring tone select menu In standby mode,
⑨ Left Key	Access to alarm menu In standby mode,
⑩ Right Key	Access to game menu In standby mode,
⑪ * Key	Set the light mode on/off toggle by pressing and holding about 2 seconds in standby mode
⑫ # Key	Set the speaker mode on/off toggle by pressing and holding about 2 seconds in standby mode.
⑬ 0 Key	Set the keyguard mode on/off toggle by pressing and holding about 2 seconds in standby mode

Introduction

2.2 LCD Display

The LCD shows icons on the top of the LCD screen.
Different indicators appear based on the phone's operating mode.

Icon	Operating Condition
	RSSI indicator: Indicates the signal strength in the service area.
	No service: The phone is not receiving any system signal.
	Bell (Light : )
	In use: Displayed when a call is in progress or the phone is in off-hook state
	Alarm: Displayed when alarm time is set
	Text message: Displayed when a text message is received
	Voice message: Displayed when voice message is received
	Text and Voice message: Displayed when text and voice messages are received.
	Lock mode
	Battery charge level: Indicates charged battery level
	No AC power & Battery ON. But in low battery state
	Key Guard

2.3 Installation

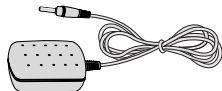
You should follow each step carefully as shown below in order to guarantee the proper operation of CDMA Fixed Wireless Phone.



Main Phone



Cradle



AC/DC Power Adapter



User Guide

Introduction

You should follow each step carefully as shown below in order to guarantee the proper operation of CDMA Fixed Wireless Phone.

STEP I. Check Components

▶ The following components are supplied for Fixed Wireless Phone.

1. LSI-120R Main Phone with Handset -1EA-
(Including inner backup battery)
2. Cradle -1EA-
3. AC/DC Power Adapter -1EA-
4. User Guide -1EA-

▶ Please make sure that these components are present before you begin to install the phone. If any of the components are missing or damaged, contact your service provider immediately.

STEP II. Place the Terminal

▶ Place the phone on the stable flat surface area (desk, table, etc.). Serious damage may result if the phone is dropped. Do not place the phone within

1 meter of heaters or radiators.

This phone is designed for desktop usage. Avoid the direct exposure to sunlight and dampness.

▶ Read the Safety Information located in the first part of this document before you place the phone.

STEP III. Connect Components

(Please refer to “Installation Steps” in 2.5)

▶ Please make sure that the antenna is connected tightly to the antenna port located on the top side of the phone.

▶ Connect the AC/DC Adapter cable to the DC input port located at the right side of the phone.

- If it is correct, a beep tone will be heard.

- If it is not correct (Booting fails the phone will start to boot), you will have to reconnect the adapter

▶ Please observe the following to get better voice quality

1. Keep away from electrical appliances such as

TV, computer, radio etc.

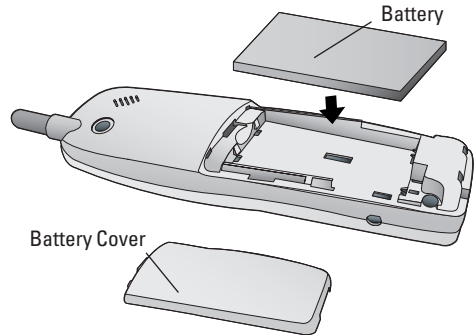
2. Keep the phone in the cradle without any obstructions to get maximum strength.

STEP IV. Check the LCD Display

- ▶ After you follow the installation instruction step I to step III, please check the LCD for normal operation.
- ▶ If you do not see the status of service, please repeat the 4th instruction of step III.

Then confirm the status of phone to get the proper signal strength from the service operator system.

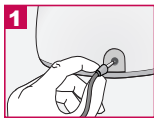
2.4 Battery Replacement Step



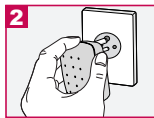
Introduction

2.5 Installation Steps

Please follow the procedure below to install the phone properly.



1 Connect the AC/DC adapter cable to the DC input port of the charger.



2 Connect AC/DC adapter to an electric outlet.



3 Press and hold the END button for a few seconds to turn on the phone.



4 Put the handset on the cradle.



5 After charging the battery, make a call.



3.1 Making a Call

You can make a call as follows.

1. Press the call key or press “#” for a long time (Speaker phone).
2. Listen for dial tone.
3. Enter the phone number. (You need to press the area code when you make a long distance call.)
4. Press the call key.
5. If the call is connected and you may start conversation.
6. To disconnect the call, press the end key.

3.2 Data Call(Packet)


1. Data is connected by Computer, PPP Calling.
2. Packet call is connected.

3.3 3 way call conferencing

You can start 3 way call conferencing.

1. Dial second party phone number while you are

in conversation with the first party.

2. To make conference call, press ‘3’ +  button.

This service should be provided by your service provider.

3.4 Call Waiting

While a call is in progress, you may hear two beeps indicating another incoming call. When call wait is enabled, you may put the active call on hold while you answer the other incoming call.

1. Press CLR key or end key, Call Waiting window then disappears.
2. Press call key, you may start conversation with called number.
3. Re-press call key, you may start conversation with previous number.

3.5 Receiving a Call

When the bell rings or backlight blinks in Light Mode, you can receive a call as follows

Basic Operations

1. Press the Call key.
2. Start a conversation.
3. To disconnect the call, press the End key.

3.6 Signal Strength






The quality of call depends on the signal strength in your area. I.e. stronger signal guarantee better call quality. The receive signal strength icon indicates the current strength of the signal as a number of bars in the upper-left part of LCD.

3.7 Entering and Editing Information

You can edit the phonebook, Short Messages, E-Mail, Scheduler and Banner using various text input mode. Your phone supports T9 Text Input in Hindi and English Language. T9 Text Input is an easy way to write. In this input method, you only need to press a key once for each letter.

Key Functions

Soft key 2 : Press to scroll and select a mode through menus.

- You can scroll through the modes using Soft key 2 in the following order : T9En, Abc, 123, Symbols, Smileys, T9Hindi, Hindi
-  Shift key : Used to change the letter case. In T9 Mode, it switches 3-types of letter case such as T9En, T9EN, T9en and in Abc Mode, it switches 3-types of letter case such as Abc, ABC, abc.
-  Next key : In T9 mode, press to display other matching words.
-  1 key : In T9 mode, press to insert sentence mark (., - ? ! ' @ :)
-  SPACE key : Press to complete a word or insert a space.
-  CLR key : Press to delete a single space or character. Press and hold to delete entire words.

Input Mode

Text Input provides seven modes for entering text, numbers, special characters, and punctuation

- **T9En Mode** : Type text using keystroke per letter in English with the help of T9 English dictionary function. This is default mode.

Basic Operations

- **Abc Mode** : Use Abc mode to input text in English.
- * If you want an instant input of numbers in Abc mode without converting to 123 mode, press the button until number is displayed in Abc mode. Use Abc mode to add words to the T9 database too.
- **123 Mode** : Type numbers using one keystroke per number. To change to 123 mode in a text entry field, press Soft key 2 until 123 mode is displayed
- **Symbols Mode** : Insert special characters, punctuation. You may use any of the special characters. When the special characters are displayed, you can select the number corresponding to the character that you want to input. To search more symbols, press Soft key 1 (Next) or up/down key button.
- **Smileys Mode** : Insert smileys in your text. When the smileys are displayed, you can select the number corresponding to the smileys that you want to input. To search more smileys, press Soft key 1 (Next) or up/down key button.
- **T9 Hindi Mode** : Type text using keystroke per letter in Hindi with the help of T9 Hindi dictionary

function.

- **Hindi Mode** : Use Hindi mode to input text in Hindi language.
 - * If you want an instant input of numbers in Hindi mode without converting to 123 mode, press the button until number is displayed in Hindi mode.
- Initial Cap(T9En/Abc)
Only the first letter is capitalized.
- Caps Lock(T9EN/ABC)
All subsequent letters are capitalized.
- Lowercase(T9en/abc)
All subsequent letters are lowercase.

Examples Using T9 Text Input for English

Typing In T9 Mode

When you want to use T9 Mode, check that T9En is shown at the right bottom of the display. To write the word, press each key once for one letter.

For example, to write “Call the office”, follow these

Basic Operations

steps:

1. Press: Soft key 2 to change letter case to T9En mode.

2. Press:

3. Press: # to complete the word and add a space.

4. Press:

5. Display: Call the office

As you can see, the word changes after each key press. Therefore, you don't need to pay much attention to what happens on the display before you have keyed in the whole word.

Using the NEXT key

After you have finished typing a word, if the word displayed is not the word you want, press "0" to display additional choices. For example, follow these steps:

1. Press:

2. Display: Good

3. Press:

4. Display: Home, Gone, Hood

Adding Words to the T9 Database

If a word is not in the T9 database, add it by using Abc mode text entry. The word is automatically added to the T9 database when you complete a word.

For example, follow these steps:

1. Press: Soft Key 2 to change letter case to Abc mode.

2. Press:

3. Display: lmt

4. Press: Soft Key 2 to change letter case to T9En mode and then the word 'lmt' will be automatically added to the T9 database.

5. Press: to erase the existing word.

6. Press:

7. Display: Got

8. Press:

9. Display: lmt

Basic Operations

Examples ABC Text input

Typing In ABC(Multi-tap) Mode

For example, to type 'RELIANCE', follow these steps:

1. Press: Soft key 2 to change letter case ABC mode.
2. Press: Shift key to change to ABC Caps Lock mode.

3. Press:       
      


4. Display: RELIANCE

Hindi Keys are mapped as following

Key Mapping for Hindi Entry

Press time for Hindi characters

Dial Key	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	ँ	ं	ः	्	्र									
	ा	ि	ी	ु	ू	ृ	अ	आ	इ	ई	उ	ऊ	ऋ	ॠ
	े	ै	ँ	ो	ौ	ॉ	ए	ऐ	ओ	औ	ऑ			
	क	ख	ग	घ	ङ									
	च	छ	ज	झ	ञ									
	ट	ठ	ड	ढ	ण									
	त	थ	द	ध	न									
	प	फ	ब	भ	म									
	य	र	ल	व	श	ष	स	ह						
	क्ष	त्र	ज्ञ											

Basic Operations

Examples Using ABC Text input

Hindi Keys are mapped as following

When you want to use T9 mode for Hindi typing, check the T9Hindi is shown at the bottom of the display. To write the desired word, press each key once for one letter.

For example, to write , follow these steps:

1. Press : Soft Key 2 to change letter case to T9Hindi mode.

2. Press :      

3. Press : # to complete the word and add a space.

4. Display : भारतीय

As you can see, the word changes after each key press. Therefore you don't need to pay much attention to what happens on the display before you have keyed in the whole word.

Example Using T9Hindi Text Input Key Mapping for Hindi Entry

Basic Operations

4. Menu Tree

Names

1. Find (n/2000)
2. Add
3. Speed Dial

Messages

1. Write
2. Inbox (n/m)
3. 1234 Services
4. Outbox
5. Voice Mail
6. Archive
7. Drafts
8. Templates
9. Msg Groups
0. Erase Message
- *. Msg Settings

Call history

1. Missed Call
2. Received Call
3. Dialed Call
4. In Call Memo
5. Call Duration

6. Erase History

Sound

1. Ring Type
 - ▶ Ring
 - ▶ One-BEEP
 - ▶ Light
2. Ring Tone
 - ▶ Bell
 - ▶ Melody
 - ▶ My Melody
3. Ringer Volume
4. Earpiece Volume
5. Key Volume
6. Speaker Volume
7. Message Alert
 - ▶ Alert Type
 - ▶ Alert Tone
 - ▶ Message Reminder

Display

1. Language
 - ▶ English

- ▶ हिन्दी
2. Wallpaper
 - ▶ Idle Screen
 - ▶ Banner
 - ▶ Clock Position
 - ▶ Clock Type
3. Menu style
4. Backlight
5. Contrast
6. Rhythmic Lighting

Settings

1. Call
 - ▶ Call Forward
 - ▶ Call Wait ing
 - ▶ Call Timer
2. Phone
 - ▶ Auto Dial Time out
 - ▶ Data Settings
 - ▶ Phone info
3. Security

- ▶ Lock Mode
- ▶ Emergency Numbers
- ▶ Change Lock Code
- ▶ Restrict Call
- ▶ HotLine
- ▶ Set NAM
- ▶ Clear Memory & Reset I Reset Phone

Organiser


1. Scheduler
2. Alarm
3. Calculator
4. World Clock
5. Memo
6. Stopwatch

R World

1. R Menu
2. Games

Menu Tree

If you press Soft Key1, Menu is activated.

To scroll in Menu, press , ,  or  button.






To return to the initial screen, press End key and to return to the previous screen, press CLR key.

4.1 Names

You may select from three Sub-Menus (Find, Add, Speed Dial) for this item.

4.1.1 Find

To find phone numbers you have stored in the Phone Book.

1. Press **Menu**  + **1**  + **1** 
2. Select a desired search Menu.
Name search , **Number search** : Enter full or starting of name (Number), select 
3. Select desired item.
4. To make a call, press the 

5. To view, press Soft Key 1.

Options : You can View, Edit or Erase.

You can send a message also while number is highlighted.




4.1.2 Add

You can save up to 2000 entries in your LSI-120R phonebook.











You can store multiple contact details under a name: Mobile Number, Home Number, Office Number, General Number, E-mail address of the contact.

You can also add any additional details about the contact like the Person's birthday, favorite things etc in memo.

Lastly, there is an option to assign a ring tone to a name.

1. Press **Menu**  + **1**  + **2** 
2. Enter the information to select a desired item.




In this menu, All sorts of the icon have the meaning as follows:

- | | | | |
|------------|---|-------------|---|
| - Mobile : |  | - Home : |  |
| - Office : |  | - General : |  |
| - Fax : |  | - Pager : |  |
| - WII : |  | - Memo : |  |
| - Ring : |  | - E-mail : |  |





4.1.3 Speed Dial

Speed Dial allows you to make a call faster by just pressing a corresponding number.

You can save up to 99 entries.



1. Press **Menu**  + **1**  + **3** 
2. You can view a stored item.

4.2 Messages









Text messaging, page and voice mailbox become available as soon as the power is on. You may access the above type of messages using the navigation , , ( or ) key.

The phone can store up to 50 messages in each Inbox

and Outbox. And the phone can also store up to 50 messages in Archive, 30 messages in Drafts, 30 messages in Templates, 5 SMS Groups with 10 Entries per Group.

To access messages, Press **Menu**  + **2** 

In the list of Inbox or Outbox, all sorts of the icon have the meaning as follows:

- | | | | |
|------------|---|-------------------|---|
| - Unread : |  | - Unread Urgent : |  |
| - Read : |  | - Read Urgent : |  |
| - Sent : |  | - Sent Urgent : |  |
| - Unsent : |  | - Unsent Urgent : |  |

4.2.1 Write

Write Text

1. Press **Menu**  + **2**  + **1**  + **1** 

2. Write message.

Refer to the 3.7 (page 17) Entering and Editing Information about text input.

3. Select **OK**.
4. Enter phone number or press Find.

Menu Tree

Find : can select **Find** or **SMS Groups** .

5. Select options as following.

Priority: Allows you to give priority to Message as

Normal or **Urgent** .

Delivery Ack: This function allows you to know

whether the Messages have been successfully

transmitted to the recipient. If you want to

activate this function, set to **On** .

Deferred Delivery : This function allows you to

reserve when the message is sent.

You may select from seven options(Immediate /

After 30 Mins / After 1 Hour / After 2 Hours /

After 12Hours / After 1 Day / After 2 Days)

Validity Period : This function allows you to define the period of the valid message until the message sending is completed.

You may select from seven options(Default/ 30 Mins / 1 Hour / 2 Hours / 12 Hours / 1 Day / 2 Days)

6. Select **OK** .

Write E-Mail

1. Press **Menu**  + **2**  + **1**  + **2** 

2. Enter E-Mail address or press Options.

Options : can select Send, Find, E-Mail Groups or Domains

3. Write Subject and Press **OK** .

4. Write contents and Press **OK** .

4.2.2 Inbox

Received messages are stored here.

1. Press **Menu**  + **2**  + **2** 

2. To erase message, select **Erase** .




3. To view desired message, select **OK** .

4. You may select from five options (1. Reply 2. Forward 3. Move to Archive 4. Save Number).

* For example, the meaning of (2/3) in Inbox is that 2 out of 3 messages are unread.

4.2.3 1234 Services






Exciting SMS-based Infotainment services such as News, Jokes, Horoscope etc are available to Reliance subscribers. Using the SMS 1234 services, the user will be able to access interesting information on common subjects through SMS. User needs to send Keyword in specified format to 1234 to access these services.

1. Press **Menu**  + **2**  + **3** 
2. Place the cursor on the item that you wants to be served, and then press Soft key 1 (OK). You may select from eleven items (1. News 2. Cricket 3. Joke of the Day 4. Thought of the Day 5. Contest 6. Beauty Tips 7. Health 8. Horoscope 9. Bill Info
0. Unbilled Info * . Help)

You may select the keyword that you want to send in subsequent-Menu.




Example

For example, to receive the “sports news” you can operate the phone as follow:

1. Press **Menu**  + **2**  + **3**  + **1**  + **6** 
2. Display: Sending SMS to 1234

4.2.4 Outbox

All your successfully sent messages are saved here.




1. Press **Menu**  + **2**  + **4** 
2. To erase message, select Erase.
3. To view desired message, select OK .
4. You may select from four options (1. Resend 2. Forward 3. Move To Archive).

4.2.5 Voice Mail

Voice mail notifications indicate the number of new voice mail messages in your mailbox.

Only the most recent voice mail notification will be stored in your phone;

previous message will be overwritten.



1. Press **Menu**  + **2**  + **5** 
2. Press the Call key or press “#” key for a long

Menu Tree

time to make a call back your voice mailbox if the number of the voice mailbox is provided by the telecom service company's system.

4.2.6 Archive

Archive allows you to store your messages in a different folder.


1. Press **Menu**  + **2** ^{ABC}/_{DEF} + **6** .
2. To erase message, select **Erase**.
3. To view desired message, select **OK**.
4. • In case of Inbox message, you may select from three options
(1. Reply 2. Forward 3. Save Number).
• In case of Outbox message, you may select from two options (1. Resend 2. Forward).

4.2.7 Drafts

A Draft is a function enabling you to store messages to be sent in Future. A total of up to 30 messages may be saved in Draft. These include failed messages,

incomplete/unsent messages saved by the user and also messages which automatically get saved when a user is interrupted by a call while composing a message.


The most recent data is saved at the top of list.

1. Press **Menu**  + **2** ^{ABC}/_{DEF} + **7** ¹²³/₄₅₆.
2. To erase message, select **Erase**.
3. To view desired message, select **OK**.
4. You may select Send.

4.2.8 Templates




There are 10 predefined phrases included in the Templates.

You may add up 20 templates more. A total of 30 templates may be saved.

1. Press **Menu**  + **2** ^{ABC}/_{DEF} + **8** ^{UV}/_W.
2. If you select the message, you may select five options. (1. View 2. Send 3. Add 4. Edit 5. Move)

4.2.9 Msg Groups

Five SMS Groups are available in your phone. You can add up to ten members in each group. You can also rename the group name.

1. Press **Menu**  + **2**  + **9** 
2. Select a desired groups.




SMS Groups, E-Mail Groups :

Options : There are five options (1. View 2. Send 3. Rename 4. Clear Group 5. Clear All)

View : There are five options (1. Send 2. Send to all 3. Replace 4. Erase Member 5. Clear Group) or add new member





4.2.10 Erase Message

You may erase message with various options from Inbox, Outbox, Archive or Drafts. You may erase all messages by selecting single option All Messages.





1. Press **Menu**  + **2**  + **0** 
2. Select desired option to erase.
3. Press **OK** button.

4.2.11 Message Settings





Priority

1. Press **Menu**  + **2**  + *****  + **1** 
2. You may select from two options (1. Normal 2. Urgent).





Delivery Ack

1. Press **Menu**  + **2**  + *****  + **2** 
2. Select **On** or **Off**.

Deferred Delivery

1. Press **Menu**  + **2**  + *****  + **3** 
2. Select one of the following.
 1. **Immediate**
 2. **After 30Mins**
 3. **After 1 Hour**
 4. **After 2Hours**
 5. **After 12Hours**
 6. **After a Day**
 7. **After 2Days**





Validity Period

1. Press **Menu**  + **2**  + *****  + **4** 
2. Select desired time.





Menu Tree

1. Default
2. 30 Mins
3. 1 Hour
4. 2 Hours
5. 12 Hours
6. 1Day
7. 2 Days

Save Sent Message

1. Press Menu  + 2  + *  + 5 
2. Select **On** or **Off**.

Auto Erase Inbox







1. Press Menu  + 2  + *  + 6 
2. Select **On** or **Off**.

4.3 Call History

The phone can store up to 60 Received Call, 60 Dialed Call, 60 Missed Call and 5 In Call Memo in Call History.




When you press the CLR key, All Calls are displayed.

In the list of all calls, all sorts of the icon have the meaning as follows:




- Received : 
- Missed : 
- Call Waiting : 
- Dialed : 
- In Call Memo : 
- Call Waiting(Missed) : 

- 3 Way Call : 

4.3.1 Missed

1. Press **Menu**  + 3  + 1 
2. To erase, select Erase **Erase**.
3. To view desired item, select **OK**.
4. You may select (1. Send Message 2. Save Number).

4.3.2 Received

1. Press **Menu**  + 3  + 2 
2. To erase received calls, select **Erase**.
3. To view desired item, select **OK**.
4. You may select (1. View 2. Send Message 3. Save Number).

4.3.3 Dialed




1. Press **Menu**  + 3  + 3 

2. To erase dialled numbers, select **Erase**.
3. To view desired item, select **OK**.
4. You may select from three options (1. View 2. Send Message 3. Save Number).

4.3.4 In Call Memo

'In Call Memo' allows you to make quick notes (numbers only) while call is in progress. While in call, press Soft key 1 (Menu), and then select 2 to type in 'In Call Memo'.

To retrieve an In Call Memo :

1. Press **Menu**  + **3**  + **4** 
2. To erase In Call Memo, select Erase.
3. To view desired item, select **OK**.
4. You may select from two options (1. Send Message 2. Save Number).




4.3.5 Call Duration

1. Press **Menu**  + **3**  + **5** 

2. You may select from four options (1. Last Dialed Calls 2. All Dialed Calls 3. All Calls 4. Reset Call Duration).

4.3.6 Erase History

You may erase all history from three options (1. Erase Missed 2. Erase Received 3. Erase Dialed)

1. Press **Menu**  + **3**  + **6** 
2. To select history that you want to erase, press **OK**.

4.4 Sound




Sound lets you choose your phone's sound settings to your environment.

Sound Menu contains settings for your phone's Ring Type, Ring Tone, Ringer Volume, Earpiece Volume, Key Volume, Speaker Volume, and Message Alert.




4.4.1 Ring Type

You may select the call alert option.

Menu Tree

1. Press **Menu**  + **4**  + **1** 
2. There are three modes (1. Ring 2. One-Beep 3. Light)

4.4.2 Ring Tone




1. Press **Menu**  + **4**  + **2** 
2. There are three modes (1. Bell 2. Melody 3. My Melody)

You may select one ring sound among the 5 Bells, 15 Melodies and R World downloaded melodies.

4.4.3 Ringer Volume




You may select a volume level of ringer sound among the 0 ~ 5 steps.

When you select 0 level, ringer sound become mute.

1. Press **Menu**  + **4**  + **3** 
2. Select the desired volume level by using the horizontal scroll keys and press **OK**.

4.4.4 Earpiece Volume




You may select a volume level of handset earpiece sound among the 1 ~ 5 steps.

1. Press **Menu**  + **4**  + **4** 
2. Select the desired volume level by using the horizontal scroll keys and press **OK**.

4.4.5 Key Volume




You may select a volume level of key tone sound among the 0 ~ 5 steps.

When you select 0 level, key tone sound become mute.




1. Press **Menu**  + **4**  + **5** 
2. Select the desired volume level by using the horizontal scroll keys and press **OK**.

4.4.6 Speaker Volume

You may select a volume level of speaker phone sound among the 1 ~ 5 steps.

1. Press **Menu**  + **4**  + **6** 
2. Select the desired volume level by using the horizontal scroll keys and press **OK**.

4.4.7 Message Alert

1. Press **Menu**  + **4**  + **7** 
2. Select desired item (1. Alert Type 2. Alert Tone 3. Message Reminder)

Alert Type: 1. **Off** 2. **Ring** 3. **One-Beep**

4. **Light**

Alert Tone: 1. **Effect 1** 2. **Effect 2** 3. **Effect 3**

4. **Effect 2** **Effect 5**




Message Reminder: 1. **Off** 2. **Once**

3. **Every 2 Min** 4. **Every 5 Min**

4.5 Display






You can personalize your phone's display by selection of various display settings like Language, Wallpaper, Menu Style, Backlight, Contrast and Rhythmic Lighting.

4.5.1 Language

1. Press **Menu**  + **5**  + **1** 
2. Select between English or हिन्दी and press **OK**.

4.5.2 Wallpaper

It allows you to customize the LCD screen display in the standby mode / idle state.

1. Press **Menu**  + **5**  + **2** 
2. Select **1**  ~ **4** .

Idle Screen

Allows you to choose among given LCD screen display option during idle state.

The Idle Screen has 6 options (Desert, Dolphin, Flower, Islander, Orange, Scuba Diver), So you may choose the one of those screens. Banner Idle Screen

Banner

Enter the string of characters you want to be displayed.



Menu Tree

Banner is presented during idle mode along with selected wallpaper.

Clock Position




To Select Clock Position that you want to choose press **OK**.

Clock Type

You may select Clock Type(1 2hours(AMIPM), 24hours Year Type(DD-MMM-YYYY, DD-MMM-YY, DD-MM-YY, YY-MM-DD, To Select Clock Type taht you want to choose, press OK DD/MMM/YYYY , DD/MM/YY, DD/MMM/YY, YY/MM/DD, DD/MM/ YYYY, MM/YYYY or On, Off by press  , 

4.5.3 Menu Style




Allows you to select the Menu style.

1. Press **Menu**  + **5**  + **3** 
2. Select List or Icon and press **OK**.

4.5.4 Backlight

Allows you to choose the settings of the LCD and

keypad backlight.




1. Press **Menu**  + **5**  + **4** 
2. Select among 30 Sec / 60 Sec / Night Only / Always On

* If you want to turn on the backlights from 6 PM to 6 AM, select Night Only.

4.5.5 Contrast

Allows you to select the contrast setting using the scale of brightest to darkest.

You may select a contrast level of LCD among the 0 ~ 20 steps.

1. Press **Menu**  + **5**  + **5** 
2. Select the desired contrast level by using the navigation keys and press **OK**.

4.5.6 Rhythmic Lighting

Allows you to select pattern for an incoming call.

1. Press **Menu**  + **5**  + **6** 





2. Select Blink, Wave, Festival, Spray or Off and press **OK**.

4.6 Settings

4.6.1 Call

Call Forward

'Call Forward' lets you forward all your incoming calls to another number or Voice Mail connection.





1. Press **Menu**  + **6**  + **1**  + **1** .
2. Select from Immediate / When Busy / No Reply / Not Reachable / Disable All.

'Disable All' deactivates all the activated call forwarding options.

3. Select Enable or Disable and press **OK**.

Call Waiting





While a call is in progress, you may hear two beeps indicating another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call.

1. Press **Menu**  + **6**  + **1**  + **2** .
2. Select **Enable** or **Disable** and press **OK**.

* Contact your service provider for more information on Call Forward and Call Waiting.

Call Timer

While a call is in progress, you can see the elapsed time of the active call if you set Call Timer to be Enable.





1. Press **Menu**  + **6**  + **1**  + **3** .
2. Select **On** or **Off** and press **OK**.

4.6.2 Phone

Auto Dial Time Out

Allows you to place a call automatically after the last digit of the phone number is dialed.





You may select one of the 2 / 9 Sec

1. Press **Menu**  + **6**  + **2**  + **1** .
2. Select desired time and press number.

Menu Tree





Emergency Numbers

Emergency Number can store up to three Numbers (default 100, 101, 102).

1. Press **Menu**  + **6**  + **3**  + **2** 
2. To edit a number, press **Edit**.

Change Lock Code





Change Lock Code allows you to enter a new four-digit lock code.

1. Press **Menu**  + **6**  + **3**  + **3** 
2. Enter current lock code.
3. Enter new four-digit lock code.
4. For confirmation, it will ask you to enter the new lock code again.

Restrict Call





You can restrict your outgoing calls including numbers / numbers beginning with specified digit in the Restrict List.

For example: If “9” is stored in the Restrict List, all number beginning with “9” cannot be called. However if “92” is stored in Permit List, you can call numbers beginning with “92” successfully.

1. Press **Menu**  + **6**  + **3**  + **4** 
2. Select **On** or **Off** and press **OK**.
3. If **On** is selected,
 - ▶ Enter the numbers / starting digit of specific numbers to be restricted in the Restrict List.
 - ▶ Enter the number / starting digits of the numbers to be allowed in the Permit List.
4. To add new list, press OK.
5. To erase (or edit, view) the existing list, select desired options and press OK.

HotLine

HotLine automatically calls to registered number by passing setup time in off-hook state.

1. Press **Menu**  + **6**  + **3**  + **5** 
2. Select **On** or **Off** and press **OK**.
3. On is selected, enter Number and Time.





If you have selected ‘On’ and enter the Hotline Number and Time, HotLine functions as follows:

When you press Call key or press “#” key for a long time, the phone automatically dials the HotLine

Number that you have already saved if any number is not dialed for duration specified in HotLine Time.





Set NAM

This option is presently not available. Please contact your service provider for further information. Use NAM 1 only.

1. Press **Menu**  + **6**  + **3**  + **6** .
2. Select NAM1 or NAM2 and press **OK**.





Clear Memory & Reset

Erase all data and return to factory setting. Be cautious since any erased information is not recoverable.

1. Press **Menu**  + **6**  + **3**  + **7** .
2. Enter lock code.
3. To Clear Memory and Erase all data, select **Yes**.

Reset Phone

Return to factory setting. But User data is not erased.




1. Press **Menu**  + **6**  + **3**  + **8** .
2. Enter lock code.

3. To Reset Phone, select **Yes**.

4.7 Organiser

4.7.1 Scheduler

Scheduler keep your agenda convenient and easy to access. Simply store your appointment and your phone would alert you with a reminder of your appointment.

1. Press **Menu**  + **7**  + **1** .
2. Move cursor to desired day
3. Select **Add**.
4. If **Add** is selected, you can store new schedules.
5. If **OK** is selected,
 - 1) In case of already stored schedule, you may see stored schedules and select from Options. (View / Edit / Erase / Alarm Tone / View by Week / View by Month / View All / Erase Today / Erase Past Day)

Menu Tree

- 2) In the absence of schedule, 'There is no data' message is displayed.

Select from Options: View by Week / View by Month / View All / Alarm Tone / Erase Past Day

4.7.2 Alarm

Allows user to set alarm time.

You can save 3 Alarms and set the alarm for a period and specified time.

1. Press **Menu**  + **7**  + **2** 

In case of already stored alarm, you may see stored alarm and select from Options. (View / Edit / Erase)

In the absence of alarm, "There is no data" message is displayed.

2. To enter new alarm,
 - 1) press Add
 - 2) Enter time and date.
- 3) You can select option from Off / Once / Daily / Mon~Fri / Mon~Sat / Weekends / Select Days

- 4) Select ring tone and press **OK**.

4.7.3 Calculator

Calculates simple mathematical computations.

1. Press **Menu**  + **7**  + **3** 

2. Use Navigation Key for the four arithmetical operations.

left: X right: / upper: +

lower: - * : () #: .

3. Press for computing result of the calculation.

4.7.4 World Clock

It is useful when you need to make a call to another country, and you are not sure about the time difference.

1. Press **Menu**  + **7**  + **4** 

2. Select the city by pressing navigation button.

4.7.5 Memo

Memo function allows user to store up to 50 memos.

1. Press **Menu**  + **7**  + **5** 

2. Select desired item.

Options : can View, Edit or Erase memos.

4.7.6 Stopwatch

1. Press **Menu**  + **7**  + **6** 

2. Select Start

4.8 R World

Hear the phone talk to you! Play and save Ringtones that suit your personality and taste. You can download, save and replay the tunes. The Ringtones will be delivered in the format compatible with your phone models.

4.8.1 R-Menu

You can connect to R World site and download your favourite ringtones and get access to other useful information.

1. Press **Menu**  + **8**  + **1** 

4.8.2 Games

Your phone also has two in-built games.


1. Press **Menu**  + **8**  + **2** 

2. Select Poshoong Plus or Stone Axe.

To return to the initial screen, press End key.

Menu Tree

5. Speaker Phone

This function is a convenient feature, which enables you to make a call using press “” key for a long time.

6. Troubleshooting

Please check the following items before contacting service center.

Item	Remedy
Phone doesn't operate at all.	<ul style="list-style-type: none">• Check that the phone is installed correctly.• Check that the battery is fully charged.• Check that the power is on.
Because of noise and cross talking, call status is bad.	Keep away from electrical application such as TV, computer, radio and so on.
When I press button to call, can't hear the dial tone.	Check that phone cord or power is connected correctly.
Call cannot be received.	Check the current status of Rx call mode settings in data settings menu. Voice option should be selected.
Battery fails to charge.	Check that the authorized adaptor (5V/1A) for LSI-120 is correctly connected to the DC power connector of the phone and Battery ON/OFF switch is ON.
Bell sound isn't heard	If bell sound is low, please adjust the volume level and make sure that Light Mode is not selected.

Troubleshooting

Item	Remedy
<ul style="list-style-type: none">▶ The LCD repeats on and off when you plug-in the adapter while battery is Not Connected.▶ Phone repeats abnormally power-on and power-off after a few second when you plug-in the adapter While battery is connected and phone is power-off▶ There is no charging display when you plug-in the adapter while the phone is power on.	<p>Check that the adapter is the approved from LG. Adapter should be 5V(DC), 1A</p>

7. General Information

7.1 Main unit

Item	LSI-120
Tx Frequency	Digital: 824 ~ 849 MHz
Rx Frequency	Digital: 869 ~ 894 MHz
Channel Bandwidth	1.25 MHz
Tx Power	Digital: LOWER: 0.2W ~UPPER:1W
Rx Sensitivity	-104 ~ -25dBm
Size (mm)	142.5 × 48.5 × 26 (L x W x H)
Weight (gms)	106.5(included Li-ion battery)
Operating Temperature	-10 ~ 50 °C

7.2 AC/DC Adapter

Item	SMPS Type Description
Rated Input Voltage	AC 100 ~ 240V
Operating Input voltage	AC 80 ~ 420V
Rated Input Frequency	50 / 60Hz
Operating Input Frequency	47 ~ 63Hz
Rated Output Voltage, Current	5V(DC), 1A

General Information

7.3 Battery

Item	Description
Capacity	3.7V Li-ion (Nominal)
Charging time duration	3 Hours (standby condition)

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable phone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radiofrequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists,

engineers,

and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone Operation

Tips on Efficient Operation:

- ▶ For your phone to operate most efficiently: Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.
- ▶ American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-ionizing Radiation Protection.

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Electronic Devices

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

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld 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 six inches from their pacemaker when the phone is turned ON.
- ▶ 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, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider [or call the customer service line to discuss alternatives.]

Optional for each phone manufacturer.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF 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.

Potentially Explosive Atmosphere

Do not install the phone in potentially explosive

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atmosphere.

Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always marked clearly. Potential areas may include: fueling areas (such as gasoline

stations); below deck on boats; fuel or chemical transfer or storage facilities;

vehicles using liquefied 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.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. **DO NOT** place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If invehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

FDA Consumer Update

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

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 reasons for inconsistent results.

TIA Safety Information

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 radiofrequency 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
- ▶ Occupational Safety and Health Administration
- ▶ National Telecommunications and Information Administration The National Institutes of Health participates in some interagency working group activities, as well. The 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

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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 phone 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 user’s 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 phone 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 predisposed 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

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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 longterm 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 cancer-causing 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

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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 phones 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

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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 anning 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 do 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.

10. 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 exists.

11. 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 phones.

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 “compatible” 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

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medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. 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/cdrh/phones/index.html>)
- ▶ Federal Communications Commission(FCC)RF Safety Program
(<http://www.fcc.gov/oet/rfsafety>)
- ▶ International Commission on Non-Ionizing Radiation Protection
(<http://www.icnirp.de>)
- ▶ World Health Organization(WHO) International EMF Project
(<http://www.who.int/emf>)
- ▶ National Radiological Protection Board(UK)
(<http://www.nrp.org.uk/>)

Limited warranty statement

LG ELECTRONICS Inc. represents and warrants that this subscriber unit and its accessories (“PRODUCT”) is free from defects in material and workmanship.

This warranty is subject to the following terms and conditions;

1. This warranty of the PRODUCT extends for a period of 12 months commencing from the date of the activation or 16 months from the date of manufacture whichever is less, except for the battery, for which the warranty is 9 months from the date of activation or 12 months from the date of manufacture whichever is less.
2. During the warranty period, LG ELECTRONICS Inc. or its authorized service network will repair or replace, at LG ELECTRONICS Inc.’s option, the PRODUCT or any relevant parts thereof in the event that the PRODUCT is found to be defective. The repaired PRODUCT or the Product/part provided as a replacement for a defective PRODUCT/part, shall be free from defects. The END USER/consumer purchaser of the PRODUCT or his/her assignee (‘CONSUMER’) shall not be charged (whether for parts, labour or otherwise) for the repair or

replacement of a defective PRODUCT during the warranty period. All replaced parts, boards or equipment shall become the property of LG ELECTRONICS Inc.

3. The warranty in respect of a repaired or replaced PRODUCT/part shall extend for the remaining warranty period of the repaired PRODUCT or replacement thereof to the CONSUMER.
4. Upon request from LG ELECTRONICS Inc. , the CONSUMER may be required to provide the purchase receipt or other documentation or information in respect of the date and place of purchase.
5. The CONSUMER shall have no coverage or benefits under this warranty in the event that any of the following conditions are applicable:
 - (a) The PRODUCT has been subject to abnormal use or conditions, improper storage, exposure to excessive moisture or dampness, exposure to excessive temperatures, unauthorized modifications, unauthorized repair (including but not limited to use of unauthorized spare parts in repairs), abuse, accident, Acts of

Limited warranty statement

God, spills of food or liquids, improper installation and breakage or damage to antennae (otherwise than by reason of any defects in material or workmanship).

(b) LG ELECTRONICS Inc. has not been notified by the CONSUMER of the defects of the PRODUCT during the applicable warranty period.

(c) The PRODUCT serial number code or the accessory date code has been removed, defaced or altered.

(d) The PRODUCT has been used with or connected to an accessory (i) not supplied by LG ELECTRONICS Inc. or its affiliates, (ii) not fit for use with the PRODUCT or (iii) used otherwise than in the manner intended.

(e) The seals of the PRODUCT'S battery enclosure have been broken or show evidence of tampering or the PRODUCT'S battery has been used in equipment other than that for which it has been specified usable by LG ELECTRONICS Inc.

(f) All plastic surfaces and all other externally

exposed parts that are scratched or damages due to normal customer use.

(g) Breakage or damage to antenna unless caused by defects in material or workmanship.

6. Order to derive benefits of this warranty in respect of any defects in the PRODUCT, the CONSUMER shall ship the PRODUCTS or part thereof at its cost to the authorized service center of LG ELECTRONICS Inc. LG ELECTRONICS Inc. shall bear the cost of shipping the PRODUCT or part thereof back to the CONSUMER after the completion of the service under this limited warranty.

NO OTHER EXPRESS WARRANTY IS APPLICABLE TO THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG ELECTRONICS Inc. SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER

Limited warranty statement

CONSEQUENTIAL DAMAGE, ARISING OUT OF THE USE OF, OR INABILITY OF USE, OF THIS PRODUCT OR FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS APPLICABLE TO THIS PRODUCT.

THE CONSUMER UNDERSTANDS THAT LG ELECTRONICS INC.

HAS EMBEDDED RELIANCE SOFTWARE AND ITS NETWORK PARAMETERS IN THE PRODUCT. IN CASE THE CONSUMER DELETES, REMOVES, ALTERS OR MODIFIES SUCH SOFTWARE

AND THE PARAMETERS AND/OR INSTALLS ANY THIRD PARTY SOFTWARE, THE WARRANTY AND REMEDIES HEREUNDER SHALL NOT BE AVAILABLE TO THE CONSUMER.

7. It is hereby expressly clarified that all warranties (express or implied) in respect of the PRODUCT are provided by LG ELECTRONICS Inc. alone.

LGE ASC List

Authorized LGE Service Center List

Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
1	Andhra Pradesh	Guntur	Vasavi Associates Guntur-522003	Door no 6-20-4, Swarnalok complex, 4/1 Arandal Pet,	MR.Satyam	0863-2233678, 9848105789, 0863-3155554
2	Andhra Pradesh	Hydrabad	Sri Varun Electronics	D.No 5-8-344/1, " DHAN BHAGYA ESTATE ", Chirag Ali Lane, Abids, Next to Raghava Ratna Towers, Hyderabad - 500 001	Mr.Raghavendra	040-55781999, 040-55253888, 040-56878822, 040-31001463
3	Andhra Pradesh	Hydrabad	JVR Infotech Pvt Ltd	Shop No 8 ,Vaniyya Vihar, Nalanda Building, Dilsukh Nagar Main Road, Hyderabad-500060	EV Ramakanth	040-24161848, 040-55109604, 040-56524157, 040-31131067, 040-36060606
4	Andhra Pradesh	Hydrabad	S V Electronics	Shop No. 41, Nilagiri Block, Aditya Enclave, Ameerpet Main Road, Hydrabad-500038	Mr.Vanktेशwara Rao	040-55754477, 55343030
5	Andhra Pradesh	Hydrabad	Reliable Communication	G-8, 3-6-561, AALTO'S A & M Trade Centre, HIMAYATNAGAR, HYDERABAD - 500029	Mr Mahesh Heda	040-30913251, 040-31045556, 09849251173
6	Andhra Pradesh	Kurnool	R K LG CDMA	#40-37-J1 , Opp. Indian Bank, Near Balaji Hotel, Kurnool- 51 8002.	Mr.G Rama Krishna	08518-220201, 08518-310688
7	Andhra Pradesh	Nellore	Siri Enterprises	Opp.Archana Theater,A C Centre,Nellore PIN-524001	Mr.Paraveen	0861-3209571, 0861-3100309
8	Andhra Pradesh	Rajamund-hary	Siri Infotech	Police Welfare Complex, City Hospitals Junction, Danvai Pet Main Road, Rajhamundry-533103	Mr Raghvendra	0883-2421567, 0883-3125799
9	Andhra Pradesh	Secunderabad	Shweta Computers	# 1-7-69/1 & 2, OPP Aditya Delux Hotel,Near Paradise circl Sarojini Devi Road, Secunderabad - 500003	Mr.Jagdish	040-55334180, 040-27721076, 040-36532358, 040-31041673
10	Andhra	Tirupathi	CMT Computer	18-1-624 VV Mahal Road, OPP HDFC BANK,	Mr.K Vasu Naidu	0877-5561979,

LGE ASC List

Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
	Pradesh		Services	Tirupathi, PIN-517501		0877-3120209
11	Andhra Pradesh	Vijaywada	K L Computer House	39-9-46 SVS Temple Street, Labbipet, Vijaywada PIN- 520010	Mr.Kartik	0866-5520461, 5671461, 0866-3105222
12	Andhra Pradesh	Visakha -patnam	S V Electronics	D No.30-15-111, Daba Garden, Main Road, Visakhapatnam PIN-530020	Mr.Nani	0891-2598610, 0891-2706074, 0891-3706074
13	Andhra Pradesh	Warrangal	S S Marketers	6-1-73/1, Sai Bhavan, Sridevi Theatre Road, Hanamkonda, Warrangal-506001	Mr.L.Srinivas Rao	0870-2552223, 0870-3100708
14	Bihar	Jamshedpur	Tirupati Teletech	Chakravarti Compound, Near Hotel Castel, Contractors area, Bistupur, Jamshedpur-831001	Abhijeet Mukherjee	0657-3100350
15	Bihar	Patna	Infotek Trading Company	1st floor, City Palace, New Dak Bunglow Road, Patna-800001	Sanjay Chowbey	0612-2227166
16	Bihar	Ranchi	Satya Systems	158, Opp Hotel Palace, Kadru, Ranchi-834002 & Solutions	Amit Rastogi	0651-2341361, 667
17	Delhi	Delhi	Comhard Systems	D-30,31, First floor, Near Hotel Shipra, Main Vikas Marg, Lakshmi Nagar	Mr Ravi Kant Gupta	011-30955887, 9818867678
18	Delhi	Delhi	Innovative Telecom	305, Aggarwal Millenium Tower, Netaji Subash Place, Pitam Pura, Delhi-110088	Mr Manoj Garg	011-55154343, 9811682453, 1130925753
19	Delhi	Delhi	Sagar Technologies	W-8, First Floor, Main Patel Road, West Patel Nagar, New Delhi- 110008	Mr Deepak/ Mr Amit	9810320170 011 55433100
20	Delhi	Delhi	Sagar Technologies	J-39, Central Mkt, Lajpat Nagar-II, New Delhi -110024	Mr Prabhat	1155186929, 9350224692
21	Delhi	Delhi	Ucom Technologies Pvt Ltd.	45, 1st Flr, Corner Mrkt, Malviya Nagar, New Delhi - 110017	Bhuwan Chandra	011-26675900, 55655382, 011-33088818
22	Delhi	Delhi	Nice Tele -communication	15/23, First Floor, DDA Complex, Nangal raya, D Block, Janakpuri, Delhi - 110046	Ripul Garg	011-28521044, 9810778310
23	Delhi	Delhi	Touch Tone Telecom	B-52, First Floor, Kalkaji, New Delhi	Ashish Dey	11 30939031
24	Delhi	Delhi	Cube Engineers	A-65, Naraina Industrial Area, Phase-1, New Delhi	Atul Gupta	011-31004103,

LGE ASC List

Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
			and Consultants Pvt Ltd			011-55450272, 51411623
25	Delhi	Delhi	Comhard Systems	B-120, Hardev Puri, 100 Feet Main Road, Near MTNL Office, Nathu Colony Chowk,Shahdra, New Delhi - 110093	Mr. Ravi Kant Gupta.	011-39572430, 011-39572427
26	Delhi	Delhi	R K Communications	2516 Hudson Lines , Kingsway Camp-Nr. Kamla Nagar , New Delhi	Mr. Pradeep Aggarwal	011-35908861
27	Gujarat	Ahmedabad	Visual Enterprises	104, Saarthak Complex, behind Urja House, Swastik Char Rasta, Navrangpura, Ahmedabad-380009	Mirza Patel	079-6438609, 31037582
28	Gujarat	Ahmedabad	Silicon Valley	F/6,Silver lake,Jagabhai Park, Rambaug Road, Maninagar, Ahmedabad -380008	Rajesh Patel	079-5430634, 36163645, 9824025430
29	Gujarat	Ahmedabad	Mishree Communication	75,Management Enclave, Opp.Indraprastha Bungalows,Vastrapur, Ahmedabad	Mitesh Patel	079-31037582, 079-30920724
30	Gujarat	Ahmedabad	A Com Technologies	Shop No-40, 1st Floor, Shubh Complex,Near Rajasthan Hospital, Camp Road,S hahibaug, Ahmedabad-380004	Vijay.S.Gohel	9824544230
31	Gujarat	Bhavnagar	Teletext Gold	G/8,Radheshyam Complex, Radha Mandir,Vaghavadi Road, Bhavnagar-364001	Nilesh Bagadia	0278-2415545, 9825206498
32	Gujarat	Gandhinagar	Creative Communications	Shop No 102,Suman City, Sector 11,Gandhinagar-382011	K.J.Barot	079-23226241, 9825059590
33	Gujarat	Jamnagar	Sudarshan Infosys	3, Prema Building, Cricket Bunglow-3, Indira Nagar, Jamnagar	Amit Unadkat	0288-2552696, 9824478203
34	Gujarat	Rajkot	Roopang infocare	Vinod Nivas,4,Sardarnagar(West),Nr Astron Cinema,Rajkot-360001	Kalpesh Rugani	0281-2464485, 3103622, 9824068880
35	Gujarat	Surat	Excel Solutions	G-48, Ascon Plaza, Anand Mahal Road, Adajan Surat-395009	Nitesh Ghosal	0261-5544500, 3344500, 9825399870
36	Gujarat	Surat	Omsai Services	37,Golden Point,Near Science Laboratory, Ring Road, Surat -3940003	Dharmesh Patel	(0261)3110610
37	Gujarat	Vadodra	Aashnik Infotech	F 50,National Plaza,R.C. Dutt Road, Alkapuri, Vadodara-390005	Aashish Parmar	0265-2323216, 3090969, 3112123

LGE ASC List

Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
38	Haryana	Ambala	Bee Ess Aar Communication	92-93, Gandhi market, Ambala Cantt-133001	Rajiv Gupta	0171-2641234, 9416021234
39	Haryana	Faridabad	Hi - Tech Communication	105, Sector 10, Faridabad-121006	Rahul Jindal	0129-2223422, 9810456663
40	Haryana	Gurgaon	Signature Communications	B-100 A , South City -1 , Opposite - Huda Gymkhana Club - Gurgaon 122001	Raj Kumar Garg	0124-3097955, 9811465111, 0124-3956565
41	Haryana	Karnal	Mass Communication	7, Dayal Singh Colony, Kunj Pura Road, Karnal -132001	Ms Pinki	0184-3090717, 09896354205
42	Haryana	Panipat	INS Telecom	2,Bishan Sarup Colony, Opp Bus Stand, Near Hotel Deep, Panipat	Jagdeep Sachdeva	0180-3091860, 5005360, 9812072860
43	Haryana	Rohtak	Telecentre	Shakti Market, Civil Hospital Road, Near Chhotu Ram Chowk, Rohtak-124001	Mr.Madaan	01262-247242, 9896243092, 01262-371666
44	Haryana	Sonipat	Teleworld	Ground Floor, Main Market, Main Railway Road, Opp. Old Civil Hospital, Sonipat - 138001	Vipin Dua	1303090889
45	Karnataka	Bangalore	Meenakshi Electronics	# 129,Lalbagh Main Road, Bangalore-560027	Mr. Ramesh.	080-56992943, 30617345, 31810375, 51146822
46	Karnataka	Bangalore	Optima Mobile Services	591-B, Dr Rajkumar road, 2nd block, Rajajinagar, Bangalore-560010	Unni Krishnan	080-3131953, 8031866656
47	Karnataka	Bangalore	Optima Mobile Services	B-3, Mallikarjun Complex, Opp RT Nagar Police Station, 80 Feet Road, R T Nagar, Bangalore-560032	Prasad	080-30610202
48	Karnataka	Bangalore	Pranav infocom	91/92 ,Hemachandra complex,Near VGP Show room, 4th block,jayanagar, Bangalore-560011	S.V.Sirish	080-56697937, 31860269, 26552551
49	Karnataka	Bangalore	Pranav infocom	267/1, 1st Main Road,6th Cross, Behind Shanti Sagar, Domlur Layout, Bangalore-560071	S.V.Sirish	80- 56969937, 51256309
50	Karnataka	Bangalore	Ascent Communication	No:113, St Johns Church road,Bangalore - 5	Naveen	080-30914856

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
51	Karnataka	Belgaum	Hello India Telecom	G-4,Maratha Mandir Complex, Khanapur Road, Near Railway Flyover, Belgaum - 590001 .	Sanjay	9845327531, 0831-3101800, 2420533
52	Karnataka	Hubli	Networkl	shop no : 86, Laxmi complex, Court circle , Hubli- 580020	Mr.Mahendar	0836-3090671, 98452-54251, 0836-3090671
53	Karnataka	Mangalore	City Talk Communication	GURU PLAZA, G-5, Near KSRTC Bus stand, Bejai, Mangalore - 575001	A V Prabhu	0824-3344528, 5277528
54	Karnataka	Mysore	K.K. Marketing	1432/9, Tribhuvan Towers, opp Vetenary Hospital, Dewan's Road, Dhanwantri Road Cross, Mysore -570001	Mr. Karunakaran	0821-3115003, 821 3120789
55	Kerala	Ernakulam	Zenicon Infocom(P) limited	2nd floor, Tharian's Building,opp. Ship Yard, M.G. Road, Ernakulam -682015	Jaimon Joseph	0484-2359511, 9349271511
56	Kerala	Irinjalkuda	Akbar Mobiles	376-44, Near St. Josephs college junction, Irinjalakuda-680121	Mr Sebastian	0480-830796
57	Kerala	Karuna-gapally	Supreme Enterprises	Opp to KSRTC Bus stand,Karunagapally -690518	Mr. Ratish	0476-2620282
58	Kerala	Kollam	Digital Infosystems	MC-3087, New Block, Bishop Jeromi Nagar, Chinnakada, Kollem-691001	Johnson Lawrence	0474-2760647, 9846007059
59	Kerala	Kottayam	SVM Technologies	NSS Builbing, Near Pallippurathukavu Temple, Kodimapha, Kottayam- 686002	Rajesh K S	0481-2565303, 9847310123
60	Kerala	Kozhikode	Domain Infosystems	Domain Infosystems, 2nd Floor, Darussalam Complex, Mavoor Road, Kozhikode - 673004	Mukundan	0495-2722222
61	Kerala	Manjeri	Akbar Mobiles	16-870A, Ooty Road, Manjeri-676121	Mr Harry	0483-2766835
62	Kerala	Mavellikarra	Ettutharayil Agency	Ettutharayil complex, K P Road,Kayamkulam -690502	Anu T cheriyan	0479-2441760, 0479-3100025
63	Kerala	Pallakad	Akbar Mobiles	N.S. Towers,Kalamandapam junction, Palakkad - 678001	Suresh	0491-2529829, 9847086446
64	Kerala	Thiruvanan	Appolo Systems	TC 20/2392, Kalpalayam, Karamana P.O., Thiruvananthapuram	Santosh	0471-2340523
65	Kerala	Tirur	Akbar Mobiles	7-2,Ancila Building, Terivazhiambalam, Tirur - 676101	Mr Byju	0494-2427444
66	Kerala	Trichur	Akbar Mobiles	Kadarathodh Building, North Bus stand, Trichur - 680 001	Sojan	0487-2323424
67	Madhya Pradesh	Bhopal	Neha Sales Corporation	F-104, Anmol Tower, E-5/14, Commercial Zone, Arera Colony, Bhopal-462016	Ashok Hirwani	0755-5277247, 2424088 .

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
						9826072327
68	Madhya Pradesh	Gwalior	Computer Clinic	Global Appartments, City Centre, Opp Income Tax Office, Gwalior	Rishi Sharma	0751-3202200
69	Madhya Pradesh	Indore	Neha Sales Corporation	M-8,Mezanine Floor, Akash Deep Shopping Complex, Sneha Nagar, Sapana Sangeeta Road, INDORE - 452001 (M.P)	Ashok Hirwani	0731-5091833, 9826072327
70	Madhya Pradesh	Jabalpur	S M Shoppee	846, Chattarpur Bhavan, Nr. Ashoka Hotel, Wright Town, Jabalpur, Pin 482002	Vikas Jain	0761-5063183
71	Madhya Pradesh	Raipur	Cybernet Systems	B-2,1st Floor, Garchaz Complex, Jail Road, Raipur - 492001	Anand Singh	0771-2524033, 9826132918
72	Maha rashtra	Amravati	Scorpio Services	Shop No. 84, Ground Floor, Gulshan Towers, Nr. Panchasheel Cinema, Amrawati, Pin-444601	Mr. Pramod	0721-2567302, 0721 3151826, 9422156874
73	Maha rashtra	Aurangabad	Unique Teletmatics	Shop no.108/B, Behind Sajawat Handloom, Tapdiya Super Market, Nirala Bazar, Aurangabad-431001	Mr. Mahesh	0240-2356447, 9823007730, 0240 3110364
74	Maha rashtra	Chinchwad (Pimpri)	Ritz Communication	Shop No 22, Gawde Kunal garden, Pimpri-Chinchwad Link Road, Chinchwad, Pune-411033	Mr Reyaz	020-7485613, 020 31029777, 020 30961900, 09890339777
75	Maha rashtra	Kohlapur	SMS Services	55, Diwan Tower, Opp. Nutan Marathi School, Near Mirajkar Tikky, Kolhapur, Pin -416005.	Prakash Patil	0231-2541120, 9823026120
76	Maha rashtra	Margoa	Comlink Synergies India Pvt Limited.	Ground Floor, Shop No. i, Garden view building, Next to UTI Bank, Near Margao Municipal Garden, Margao-403601	Sunil	0832 3105629, 9822101522, 0832 3105637
77	Maha rashtra	Nagpur	Spectrum Marketing	Shop No.2, Dharampeth Towers, West High Court (WHC) Road, Dharampeth, Nagpur - 440010	Sonali	0712-3095700, 5618186, 2527823
78	Maha rashtra	Nasik	MOBS Associates	SHOP NO. 12, FIRST FLOOR, 'KAPOTE-MEHER' MARKET, RENUKA NAGAR, WADALA NAKA, DAWRKA, NASIK- 422001	Girish Bhangre	0253-5623613, 0253-3291070, 0253-3331078
79	Maha rashtra	Panjim	Comlink Synergies India Pvt Ltd	Shop No. 5, Dr Atmaram Borkar Road, Next to RIL Mutual Fund, Panjim, Goa-403001	Sunil	0832-3105629

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
80	Maha rashtra	Pune	Digital Concepts	Shop No. 5, Indulal Complex,Besides Kaka Halwai, LBS Marg, Navi Peth, Pune-411030	A Ahmed	020-4012921, 020 31029798
81	Maha rashtra	Sangli	Ramesh Electronics	Opp. Kanya Purohit prashala,Rajwada,Sangli-416416	Suresh Shegane	0233-2327601, 9823085176, 0233 3107601
82	Maha rashtra	Solapur	Jawaharlal Radio Service	184, Gold Finch Peth, nr Hotel Ritesh, Solapur- 413007	Prasanna J Chavan	0217-2725030, 9422458830, 9823317081
83	Mumbai	Kalyan	Vintech Solutions	SHOP- 14, GROUND FLR, ARCHIES APARTMENT, OAK BAUG,KALYAN -421301	Pawan	022-32977555
84	Mumbai	Vasai	E-Link Solutions	Shop No.5, Type C, Bldg no.5/6, Shanti Vihar, Mira Road -E, Pin Code : 401107	Kamlesh	022-28552087, 022-33482084
85	Mumbai	Mumbai	Everest International Pvt Ltd	SHOP NO 6 AMBIKA COOPERATIVE HOUSING SOCIETY, JAWAHAR NAGAR ROAD NO 2 NEAR RAILWAY CROSSING, GOREGAON WEST, MUMBAI 400062	Chetan	022-56299540, 39533603, 9820188338
86	Mumbai	Mumbai	LG Service Centre	Third Floor, Trade World, Kamala Mills Compound, Senapati Bapat Marg, Lower Parel, Mumbai -400013	Rajib Saha	022-24947375, 022 33490401
87	Mumbai	Navi Mumbai	LG Service Centre-DAKC	A Block, Ground Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai-400709	Rajnish	022-30388052, 022-33490405
88	Mumbai	Thane	Vinay Technologies Pvt Ltd	Shop no 3, Minal Chhaya Aptt, Muncpal Corporation Road, Panch Pakhadi, Thane (W) - 400601	Vinod Jakotiya	022-25304960, 9821068231, 022-31013342
89	Mumbai	Navi Mumbai	Hello World	Shop No 53,CF,Welfare Chambers, Sector-17, Vashi,Mumbai-400703	Mahesh	022-27657705, 022 32741396
90	Mumbai	Khar(W)	Komplex Telecom Corporation	1,Satguru Shopping Center, Illrd road, Khar(W), Mumbai	Mr Mohammad	022-26461917, 34195024
91	Mumbai	Panvel	Oceanic Tele System	Shop No.10, Prajapati Arcade,Sector 15, New Panvel (E), Dist. Raigad.	Shailash Bobade	022-56104542, 022-31017221
92	Orissa	Bhubr neshwa	S.A.INFOSYS	291.Bomikhal, Opp. Akamra cinema hall, Bhubaneswar-751010	Sarabjeet Singh	0674- 2573113/4

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
93	Orissa	Cuttack	O.A.	Behind Govt Bus Stand, Badambadi, Cuttack INFOTECH	Manas Mahapatro	0671-2312613-753012
94	Punjab	Amritsar	Bajaj Telecommuni- -cation	87, G Floor, Nehru Complex, Lawrence Road, Amritsar-143001	Suman Bajaj	0183-3124827, 9814650314
95	Punjab	Barnala	Unique Infotech	Mittal Street, Near M C Office, Barnala-148101	Pankaj Goyal	01679-238007, 01679-310667
96	Punjab	Bathinda	Lalli's Electronic Gallery	1139-A, First Floor, Amrik Singh Road, Nr Gole Digg, Bhatinda-151005	Ashok Kakria	0164-2239500, 2236337, 9814222310
97	Punjab	Chandigarh	Vignesh Services	S.C.O- 189-90,Sec- 34,Chandigarh	Mukesh Arya	0172-3018028, 09316134655
98	Punjab	Hoshiarpur	Kuldip's Mobile Care	Dhobian Wali Gali, Phagwara Road, Hoshiarpur-146001	Kuldip	01882-226906, 9815073906
99	Punjab	Jalandhar	Mobile Center	Shop No-7, Gobind Market,,Opp-Beri Hospital, Nakodar Road,Jalandhar	Jogesh Diwan	0181-3092666, 9814029696, 9815314060
100	Punjab	Ludhiana	Shahi Communication	Shop No.5, 4X International, 583 L, Model Town, Ludhiana	Amit Shahi	0161-3944190
101	Punjab	Malerkotla	Prime Infocomm	Opp. Main gate, Govt College, Malerkotla -148023	Raj Verma	01675-253899, 9814040066, 01675-331979
102	Punjab	Moga	Super Communication	Pawan Market, Opp shankar Batteries, Court Road, Moga-142001	Jai Deep Mehta	01636-314398
103	Punjab	Patiala	Image Services	84, First Floor, Leela Bhawan, Patiala-147001	Rohit Bansal	0175-2222796, 9814040066
104	Rajasthan	Jaipur	Kamakshi Telecom	105, 1st floor, Paradise, C-61 (A), Sarojini Marg, C-Scheme, Jaipur-302001	Rahul Bhargav	0141-2365575, 0141-3112863
105	Rajasthan	Jaipur	Alpha Infotech Systems	F-1, First Floor, Krishna Mall, Lakshmi Mandir Crossing, Tonk Road, Jaipur-302015	Shatrughan Mangal	0141-5106777, 9829077136, 0141-3099724
106	Rajasthan	Jodhpur	Omega Electronics	UG/4, Adeshwar Tower, Main Chopasani Road,	Pratap Singh	0291-3091214, 3117171

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
				Opp.Gehlot Watch Co, Jodhpur-342003		
107	Rajasthan	Kota	Cyber Infosystems	26, Ground floor, Kalawati Paliwal market, Gumanpura, Kota-324007	Shyam Maheshwari	0744-2398153, 07443103354, 07443320153
108	Rajasthan	Udaipur	Ficusa Enterprises	13,Darshanpura,Opp.M.B.Commerce CollegeGate, Nr Computer Zone, Udaipur-313002	Virendra Ranka	0294-2410002, 2413002, 3410002
109	Tamilnadu	Chennai	Unicare Infocomm Services	73, Nutech Plaza, Shop no G-3, G Floor, Arcot Road, Kodambakkam, Chennai - 600 024	R M Rajesh/ Kartik	044-24724666, 9841036466
110	Tamilnadu	Chennai	GS Systems	547/352, FM Towers, Mount Road, Nandanam, Chennai-6000035	Kanirajan	044-24330889, 9884160010
111	Tamilnadu	Chennai	U Com Tech -nologies Pvt. Ltd.	Shop#3, Door # 24, New #30,Balfour Apartments, Balfour Road,Kilpauk. Chennai - 600010	Shyam	044-52174656, 52175115, 9884187800
112	Tamilnadu	Chennai	Escomm Systems India P Ltd	No 57-7, Arunodaya Apartments Next to Hotel Sindhoori, Near by Everest Bus Stop,Ponnmalai High Road, Chennai-600003	Mrs N S Vijaysri	044-30901688, 25612212
113	Tamilnadu	Chennai	Genesis Communication	63/3, First main road, Gandhi Nagar, Adyar, Chennai-600020	Mr Suresh	044-24401188
114	Tamilnadu	Coimbatore	Fast Track	Sudera Complex, 354B, 100 Feet Road, COIMBATORE - 641012	Anand Prakash	0422-2490577, 9843080040, 0422-3100080
115	Tamilnadu	Cuddalore	Kasturi Cellular Service	NO: 37 (2C) BHARATHI ROAD,CUDDALORE. 607 001, CUDDALORE DISTRICT,TAMIL NADU.	Mr Raghupati	04142 - 220183
116	Tamilnadu	Erode	JANS Electronics	148,Mettur Road, Opposite shakti vinayak temple,Dana Complex, Erode-638011	M Kanan	0424-2258526, 9443263508
117	Tamilnadu	Madurai	Devaa Electronics	No.4, Thirumakulam North Street, Near Ayyappan koil, Thhallakulam,Madurai-625002	Guna	0452-5360995, 0452-2526179 3107995
118	Tamilnadu	Pondicherry	Digital Logistics	126/2, Perumal Koil Street(Bharathi Street Cutting), Pondicherry-605001	G Singaravelu	9843093348, 0413-3155351, 0413-5210148

Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
119	Tamilnadu	Salem	Global Care	262-A, Advitha Ashram Road, Salem - 636004	Vasudev Nayak	0427-2335787, 0427-3102124
120	Tamilnadu	Thanjavur	Z M Electronics	33,New Municipal Shopping Complex,Opp LIC,Gandhi ji road,Thanjavur-613001	Ziauddin	04362-272595, 04362-313254
121	Tamilnadu	Tirunevelli	Classic Electronic	39, Trivendrum Road, Opposite Kalimark, Welcome Complex, Palayamkottai, Tirunilveli-627002	Erkins	0462-2575801
122	Tamilnadu	Tirupur	Shri Vasavi Electronics	#155-303, Mangalam Road,Karuvam palayam, Tirupur - 641604	MR.U.B. Bala Murali	0421-3091438, 98422-74300, 0421-3105560
123	Tamilnadu	Trichy	S K Electronics	Raj Complex, 9/A EVR Road, Puthur, Trichy- 620017	Krishnan	0431-2771946, 9843178104, 0431-3101502
124	Tamilnadu	Vellore	Matha Communication	4, S.LN Plaza, Opposite Odai Pilliar Koil, Gandhinagar,Vellore - 632006	Gunaa Shekhar	0416-2240800
125	Uttar pradesh	Agra	NSC Computers	Shop No G-124, Block No- 29, Sanjay Place, Agra - 282002	Rajiv Singhal	0562-2520032, 5623111350
126	Uttar pradesh	Agra	Space Consultancy & Services	UG 1 & 2, Opp. Jaihind Hotel, Merchant Chamber, Sadar Bazar, Agra-282001	Tanvir	9358311202
127	Uttar pradesh	Aligarh	A V Computer Services	G-1,Ganpati Plaza ,Jha Compund, Marris Rd, Aligarh-202001	Vaibhav	0571-2506148, 9412274391
128	Uttar pradesh	Allahbad	B.P.Electronics	G-11, Indra Bhawan, Ground Floor, Civil Lines, Allahbad-211001	Ms Naina Pandey	0532-2608088
129	Uttar pradesh	Bareilly	Sapan Infotech	G - 64 A Kunwar Complex, Near Gupta Watch Co, 116 Civil Lines,Bareilly	Sanjeev Singh	0581 - 3102467
130	Uttar pradesh	Dehradun	Krishna Communication	Shop No 15A, Meedo Plaza, Rajpur Road, Dehradun, Uttaranchal-248001	Vinod	135 3090895, 135 3112922 135 3119696
131	Uttar	Ghaziabad	Concessionair Documentation India Pvt Ltd(CDIL)	C-83, Rajnagar DistrictCenter (RDC), Ghaziabad	Arun Sharma	0120-3092011
132	Uttar pradesh	Gorakhpur	Eternal Electronics	Shop No.11, Pandey Complex,33, Kasya Road, Opp DIG Bunglow, Gorakhpur -273001	Ram Pratap	0551-2204520

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Sr	Circle	City Name	ASCs	Address Person	Contact	Phone
133	Uttar pradesh	Kanpur	AR Infotech	111/402 Ashok Nagar,Kanpur Pin 208012	Manoj Shukla	0512-3111662, 9839068734, 0512-3093011
134	Uttar pradesh	Lucknow	NET COM	3 way road, City Point, Opp Krishi Bhawan, Lucknow-226024	Kawaljeet	0522-3094222
135	Uttar pradesh	Meerut	Systech Computers	F-124/125 1st floor Ganga Plaza, Begum Bridge Road, Meerut-250002	Vineet Goyal	0121-2691167, 121 3116631
136	Uttar pradesh	Muzaffarnagar	Jai Computer	Shop No. 4, 1st Floor, Roorkee road, Near Shiv Chowk,Central Bank Mkt, Muzaffarnagar-251001	Manohar Singh	0131-2635483, 9412110215
137	Uttar	Noida	M R Telecom	J-45, First Floor, Sector-18, NOIDA-201301	Kailash Aggarwal	0120-2591440, 9871197801
138	Uttar pradesh	Saharanpur	Maharaj Communications	Near Maharaja Palace,Delhi Road, Saharanpur-247001	Pankaj Malhotra	0132-2720881, 132 3111202
139	Uttar pradesh	Varanasi	Shivam Mobile Distributers	Shop No.5,B37/115-B-1 Baradari Complex,Rathyatra Crossing, Varansi Pin 221010	Rishi Mohan	0542-2363296, 9839241004
140	W Bengal	Assansol	Sky Computer & Telecom	Islam Market, Nuruddin Road, Assansol-713301 Tikonía Bus Stand,	Syed Arshad Ali	0341-2207719, 9832160886
141	W Bengal	Burdwan	San Infosys	Central Mkt, GT Road, Burdawan-713101	Sanjit Debnath	0342-3090265, 9832192170
142	W Bengal	Calcutta	Benma Infosol Pvt Ltd	P-168/1 CIT Road, Scheme VIII, KOLKATA 700067	Arun Surana	033-30943176/7
143	W Bengal	Calcutta	JP Computers	5B Ekdalia Place, Kolkata- 700019	Somim Kabir	033-24401923
144	W Bengal	Calcutta	Jaksom Engineering Pvt Ltd	Block-A, Shop-1, Ambika Vihar,1/1 Harduttrai Chamaria Road, Howrah- 711001	P.Mukherjee	033- 30950383
145	W Bengal	Calcutta	Skylink	8/1A, Little Russel Street, Calcutta-700071	H R Molla	033-30903814, 033-32091037
146	W Bengal	Durgapur	Tech International	Red Cross Road, City Centre, Durgapur-713216	Amitava Banerjee	0343-2546893, 9434002244

Appendix. RF Exposure Statement

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency(RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement of antenna.

Body Worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5 cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of belt-clips, holsters, and similar accessories should not containing 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.

Appendix 2. Consumer Information on SAR (Specific Absorption Rate)

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 radio frequency (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 using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although 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. Because the phone is designed to operate at multiple power levels 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 ear is 1.29 W/kg and when worn on the body, as described in this user guide, is 0.949 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between 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 emission 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 BEJLS120R