

Menu Tree

3.4.3 Ring Volume

1. Press **Menu** + 4(**SOUND**) + 3(**Ring Volume**) in on-hookstate.

3.4.4 Ear Volume

1. Press **Menu** + 4(**SOUND**) + 4(**Ear Volume**) in on-hookstate.

3.4.5 Key Volume

1. Press **Menu** + 4(**SOUND**) + 5(**Key Volume**) in on-hookstate.

3.4.6 Speaker Volume

1. Press **Menu** + 4(**SOUND**) + 6(**Speaker Volume**) in on-hookstate.

3.4.7 Message Alert

1. Press **Menu** + 4(**SOUND**) + 7(**Message Alert**) in on-hookstate.
2. Select from Alert Type : (Ring/One--Beep/Light/Off)
AlertTone : (SMS Alarm 11~55) MSG Reminder : (Once/ Every 2Min/Off).

3.5 DISPLAY

3.5.1 Banner

Allow you to choose the settings of the LCD banner.

1. If you want to edit banner, press **Menu** + 5(**DISPLAY**) + 1(**Banner**) + 1(**My Banner**) + **OK** key in on-hook state.

2. If you want to activate or deactivate the banner, press **Menu** +5(**DISPLAY**) + 1(**Banner**) + 2(**Banner On/Off**) in on-hook state.

3.5.2 Clock Type

1. Press **Menu** + 5(**DISPLAY**) + 2(**Clock Type**) in on-hookstate.
2. Select from Type-A_AM/PM, Type-A_24Hour, Type-B_AM/PM, or Type-B_24Hour.

3.5.3 Backlight

Allows you to choose the settings of the LCD backlight

1. Press **Menu** + 5(**DISPLAY**) + 3(**Backlight**) in on-hookstate.
2. Select from Always Off / For 10 Seconds / For 30 Seconds / Always On,

3.6 SETTINGS

3.6.1 Phone

Auto Time-Out

Setting the length of time the phone waits before automatically dialing a number.

1. Press **Menu** + 6(**SETTINGS**) + 1(**Phone**) + 1(**Auto Time-Out**) in on-hookstate.

Speed Dialing

To speed dialing press the memory number (1 through 300)corresponding to the appropriate memory location

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and hold for a few seconds.

This function can be used when the speed dialing is set to Enable.

1. Press **Menu** + 6(**SETTINGS**) + 1(**Phone**) + 2(**Speed Dialing**) in on-hook state.

DTMF Length

This function allows you to the setting of Key beep playback length.

1. Press **Menu** + 6(**SETTINGS**) + 1(**Phone**) + 3(**DTMF Length**) in on-hook state.

Version

1. Press **Menu** + 6(**SETTINGS**) + 1(**Phone**) + 4(**Version**) in on-hook state.
2. To confirm next page, press **Redial/Flash** key

My Number

1. Press **Menu** + 6(**SETTINGS**) + 1(**Phone**) + 5(**My Number**) in on-hook state.
2. To modify your phone number, press **OK** key.

3.6.2 Calling

Call Forward

Call Forward lets you forward your incoming calls to another number.

1. Press **Menu** + 6(**SETTINGS**) + 2(**Calling**) + 1(**Call Forward**) in on-hook state.

2. Select from Immediate / When Busy / No Reply.

▶ You would need to call "121" to get this service activated.

Call Waiting

When call wait is enabled, you can put the activate call on hold while you answer the other incoming call.

1. Press **Menu** + 6(**SETTINGS**) + 2(**Calling**) + 2(**Call Waiting**) in on-hook state.

▶ You would need to call "121" to get this service activated.

Call Timer

This function allows you to select call timer indication.

1. Press **Menu** + 6(**SETTINGS**) + 2(**Calling**) + 3(**Call Timer**) in on-hook state.

3.6.3 Security

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) in on-hook wstate.
2. Enter Lock Code. (Default "0000")

Lock Phone

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 1(**Lock Phone**) in on-hook state.

Emergency No

Emergency number can store up to three numbers. (Default 100, 101, 102)

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 2(**Emergency No**) in on-hook state.

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New Lock Code

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 3(**New Lock Code**) in on-hook state.

Restrict Call

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

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 4(**Restrict Call**) in on-hook state.
2. Select among No Restriction, Restriction or Emergency Only and press **OK** key.
3. If Restriction is selected,
 - Enter the numbers / starting digit of specific numbers to be restricted in the Black List.
 - Enter the number / starting digits of the numbers to be allowed in the White List.
4. If Emergency Only is selected, your phone is enabled for only emergency numbers.

Hot Line

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

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 5(**Hot Line**) in on-hook state.
2. If Enable is selected, press **OK** key and enter the Hot Line number.

Hot Line Time

1. Press **Menu** + 6(**SETTINGS**) + 3(**Security**) + 6(**Hot Line Time**) in on-hook state.
2. Press **Up/Down** button to select Hot line connection time (immediate, 2~9 Sec) and press **OK** key.

3.7 ORGANISER

3.7.1 Alarm

Set Time

1. Press **Menu** + 7(**ORGANISER**) + 1(**Alarm**) + 1(**Set Time**) in on-hook state.
2. Press **OK** key to enter alarm time and press **Redial/Flash** key to select AM or PM and press **OK** key.

Set Ringer

1. Press **Menu** + 7(**ORGANISER**) + 1(**Alarm**) + 2(**Set Ringer**) in on-hook state.
2. Press **Up/Down** button to select from Alarm Ring 1~5 and press **OK** key.

Troubleshooting

4. 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.
Phone does not switch on.	Check that the battery is fully charged and correctly connected to the phone.
Calls cannot be received.	Check incoming calls may be barred.
Emergency calls cannot be made.	Check that the antenna symbol is displayed- Move to the coverage area and operate your phone when the antenna symbol is displayed.
Battery fails to charge.	Ensure that adapter is approved LSP-450 adapter.
Bell sound isn't heard.	If bell sound is low, please adjust the volume level.

Important Information

5. Important Information

5.1 Safety Instruction

WARNING / CAUTION

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

5.2 Optimal Phone Performance

▶ Do not hold the antenna when operating the unit, or operate the unit 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 unit if the antenna is damaged. Get the damaged antenna replaced through a qualified technician. Use only a manufacturer-approved antenna. Non-approved antennas, modifications or attachments may impair call quality and damage the unit.

▶ RF (Radio Frequency) 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 unit 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 unit 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 unit.
- Connect the equipment to an outlet on a circuit different from that to which the unit is presently connected.
- Consult the Authorized LGE Dealer for assistance of an experienced radio/TV technician.

▶ Use battery, antenna and AC power supply provided by LGE. Using spares made by any other manufacturer may invalidate the warranty.

▶ Only authorized personnel should service the unit and its accessories. Faulty installation or service can be dangerous and may invalidate the warranty.

▶ Do not use the unit in any designated "no cellular phone use" area.

▶ Avoid using the unit in high temperature or humidity.

▶ Avoid spilling any liquid on the unit. If the unit gets wet, turn the power off immediately and remove the backup

Important Information

battery and AC power supply. If the unit doesn't work, please contact 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.

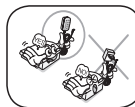
5.3 Care and Service

Before cleaning, always unplug the unit from the wall outlet and remove the antenna (or disconnect the antenna cable). Do not use liquid or aerosol cleaners; use a damp cloth for cleaning. If the unit doesn't work, do not attempt to disassemble it; contact the phone service agent for assistance. If any of the following conditions exist, unplug the unit from the wallplug, remove the battery and call a qualified technician.

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

5.4 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-conformance to this guide.



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



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

CAUTION



- ▶ Do not use the unit with a car battery. It may cause electric shock, fire, breakdown or transformation.

Important Information



▶ Avoid using the unit in high temperature or humidity. Avoid spilling any liquid on this unit. If the unit gets wet, turn the power off immediately and remove the backup battery and AC power supply.



▶ Keep the unit dry. Submersion, humidity and liquids containing minerals may corrode internal electronic circuits.



▶ Do not store or use the unit in dusty or dirty areas as this can damage the moving parts.



▶ Do not store the unit in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.



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



▶ Do not attempt to open it. Non-expert handling of the device 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 unit. Rough handling may break the internal circuit boards.



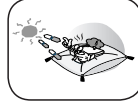
▶ Do not use harsh chemicals, cleaning solvents or strong detergents to clean the unit. Wipe it with a soft cloth that has been slightly dampened in mild soap and water solution.



▶ Do not paint the unit. Paint can clog the device'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 unit under direct sunlight or on an uneven surface.

Important Information



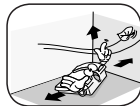
- ▶ Before using the plug, check the available power voltage. Inaccurate power voltage may cause fire and damage. Example: LSP-450
Input Voltage: 100-240V.



- ▶ 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.



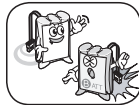
- ▶ Do not install the unit in an ill-ventilated place. It may cause fire or a breakdown.



- ▶ 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.



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



- ▶ 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.

General Information

6. General Information

6.1 Main Unit

Item	LSP-450
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)	199.6(W) X 122.2(D) X 67.6(H) (with handset)
Weight (gms)	497 gram (with Battery)
Operating Temperature	-10 ~50 °C

6.2 AC/DC Adapter

Item	SMPS Type Description
Input Voltage	AC 100 ~240V
Input Frequency	50 / 60Hz
Output Voltage, Current	5V(DC) / 0.7A

6.3 Battery

Item	Description
Capacity	3.6V Ni-MH/1000mAh
Talk time / Standby time	4hours / over than 180hours
Charging time duration	less then 5hours

Regulatory Statements to be included in the Users Guide for Sputnik

USA-Federal Communications Commission (FCC)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, for mobile configurations, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

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