

lenovo

Lenovo A850

Quick Start Guide v1 . 0



For Android 4.2 Software.
Read this guide carefully before using your phone.

Technical specifications



Model and system

Model: Lenovo A850

System: Android 4.2



Size and weight

Height: 153.5 mm Width: 79.3 mm Depth: 9.45 mm
Weight: 184 g



CPU and capacity

CPU: MT6582m Quad Core 1.2 GHz
Capacity: 4 GB



Camera

Type: CMOS
Pixels: 5.0 MP (back) + 0.3 MP (front)



Power and battery

Battery: 2250 mAh (Built-in rechargeable lithium-ion battery)



Display

Size: 5.5 inches (diagonal) Screen: Multi-Touch display
Resolution: 960 × 450 LCD type: IPS



Wireless communication

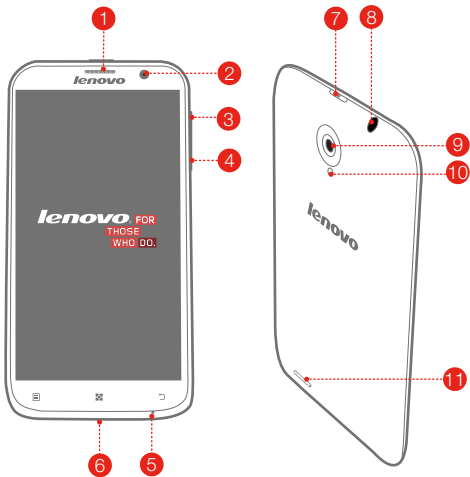
Bluetooth 4.0 WLAN WCDMA, GSM



GPS

- ① Based on actual measurements.
- ② You must be within about 30 feet (10 meters) of a Bluetooth device for it to be connected to the phone.

First glance



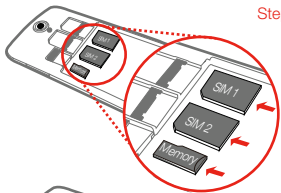
- | | | |
|-----------------|-----------------|---------------|
| 1 Receiver | 2 Front camera | 3 Volume up |
| 4 Volume down | 5 Microphone | 6 Micro USB |
| 7 On/Off button | 8 Earphone jack | 9 Back camera |
| 10 Flashlight | 11 Speaker | |

Preparing your phone

You need to insert the SIM card provided by your carrier to use cellular services. Install the SIM/memory card and the battery as shown.

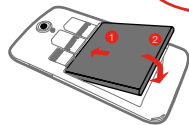


Step 1. Open the back cover.



Step 2. Insert the SIM cards and the memory card.

Tip: Insert (U)SIM card into SIM 1 slot and SIM card into SIM 2 slot .



Step 3. Install the battery.

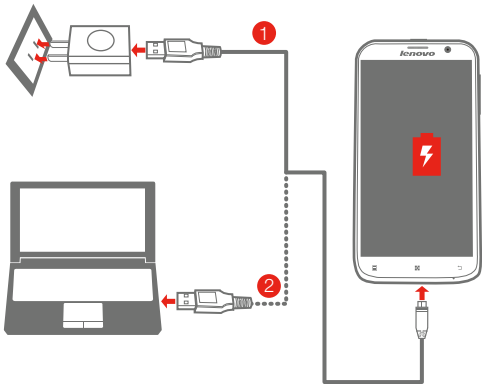


Step 4. Install the back cover.

⚠ DO NOT insert or remove the SIM cards while your phone is turned on. Doing so may permanently damage your SIM card or your phone.


Charging the battery


Charge the battery as shown.



Method 1. Connect your phone to a power outlet using the included cable and USB power adapter.

Method 2. Charge the battery using a computer.

 Low battery

 Fully charged

 Charging

 For more information about battery safety, see the *Important Product Information Guide*.

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Reduce | Reuse | Recycle



5SC9A46466

Printed in China

Content

Content	1
Important safety and handling information.....	2
Service and Support information	8
Warranty information	9
Environmental, recycling, and disposal information	12
Restriction of Hazardous Substances Directive (RoHS)	14
Electronic emission notices	16
Specific Absorption Rate information.....	18

Important safety and handling information

■ Important safety information

CAUTION

To avoid personal injury, property damage, or accidental damage to Lenovo Phone, read all of the information in this section before using it.

Handling

- Handle Lenovo Phone with care

Do not drop, bend, puncture, insert foreign objects, or place heavy objects on Lenovo Phone. Sensitive components inside might become damaged.

- Prevent Lenovo Phone and adapter from getting wet

Do not immerse Lenovo Phone in water or leave it in a location where it can get saturated with water or other liquids.

Repairing

Do not disassemble or modify Lenovo Phone. Lenovo Phone is a sealed unit. There are no end-user serviceable parts inside. All internal repairs must be done by a Lenovo-authorized repair facility or a Lenovo-authorized technician. Attempting to open or modify Lenovo Phone will void the warranty.

Lenovo Phone screen is made of glass. The glass might break if Lenovo Phone is dropped on a hard surface, is the subject of a high impact, or is crushed by a heavy object. If the glass chips or cracks, do not touch the broken glass or attempt to remove it from Lenovo Phone. Stop using Lenovo Phone immediately and contact Lenovo® technical support for repair, replacement, or disposal information.

Battery

- **Built-in rechargeable battery notice**

DANGER

Do not attempt to replace the internal rechargeable lithium ion battery. Contact Lenovo Support for factory replacement.

Charging

Charge Lenovo Phone in the temperature range of 0°C(32 °F) - 45°C(113°F). You can use any of the following charging methods to safely

recharge the internal battery of Lenovo Phone:

Charging method	Display is on	Display is off
AC adapter	Approved, but the battery will charge slowly.	Approved
A USB connection between the dc-in connector on Lenovo Phone and a USB connector of a personal computer or other device that complies with the USB 2.0 standards	This charging method will compensate the power consumption. The battery will discharge more slowly than usual.	Approved, but the battery will charge slowly.
NOTES: Display is on : Lenovo Phone on Display is off : Lenovo Phone off or in screen lock mode		

Charging devices might become warm during normal use. Ensure that you have adequate ventilation around the charging device. Unplug the charging device if any of the following occurs:

- The charging device has been exposed to rain, liquid, or excessive moisture.
- The charging device shows signs of physical damage.
- You want to clean the charging device.

Lenovo is not responsible for the performance or safety of products not manufactured or approved by Lenovo.

You can use a shielded USB cable for data communication via connecting with the PC.

Distraction

Take care when using Lenovo Phone in a motor vehicle or on a bicycle. Always prioritize your safety and the safety of others. Follow the law. Local laws and regulations might govern how you can use mobile electronic devices, such as Lenovo Phone, while you drive a motor vehicle or ride a bicycle.

Choking hazard

Keep Lenovo Phone and accessories away from small children. Lenovo Phone contains small parts that can be a choking hazard to small children. Additionally, the glass screen can break or crack if dropped on or thrown

against a hard surface.

Plastic bag notice

CAUTION

Plastic bags can be dangerous. Keep plastic bags away from babies and children to avoid danger of suffocation.

Prevent hearing damage

Lenovo Phone has a headphone connector. Always use the headphone connector for headphones (also called a headset) or earphones.

CAUTION

Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphone and headphone output voltage and the sound pressure level. Therefore, to protect your hearing, adjust the equalizer to an appropriate level.

Excessive use of headphones or earphones for a long period of time at high volume can be dangerous if the output of the headphone or earphone connectors do not comply with specifications of EN 50332-2.

The headphone output connector of Lenovo Phone complies with EN 50332-2 Sub clause 7. This specification limits Lenovo Phone's maximum wide band true RMS output voltage to 150 mV. To help protect against hearing loss, ensure that the headphones or earphones you use also comply with EN 50332-2 (Clause 7 limits) for a wide band characteristic voltage of 75 mV. Using headphones that do not comply with EN 50332-2 can be dangerous due to excessive sound pressure levels.

If Lenovo Phone came with headphones or earphones in the package, as a set, the combination of the headphones or earphones and Lenovo Phone already complies with the specifications of EN 50332-1. If different headphones or earphones are used, ensure that they comply with EN 50332-1 (Clause 6.5 Limitation Values). Using headphones that do not comply with EN 50332-1 can be dangerous due to excessive sound pressure levels.

■ Sound Pressure Warning statement

For the device which tests accordance to EN 60950-1:

2006+A11:2009+A1:2010+A12:2011, it is mandatory to perform audio tests for EN50332.

This device have been tested to comply with the Sound Pressure Level

requirement laid down in the applicable EN 50332-1 and/or EN 50332-2 standards. Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.



Warning statement:

A pleine puissance, l'écoute prolongée du baladeur peut endommager l'oreille de l'utilisateur.

Explosive atmospheres

Do not charge or use Lenovo Phone in any area with a potentially explosive atmosphere, such as at a fueling area, or in areas where the air contains chemicals or particles (such as grain, dust, or metal powders). Obey all signs and instructions.

Radio frequency interference

Observe signs and notices that prohibit or restrict the use of mobile phones (for example, in healthcare facilities or blasting areas). Although Lenovo Phone is designed, tested, and manufactured to comply with regulations governing radio frequency emissions, such emissions from Lenovo Phone can negatively affect the operation of other electronic equipment, causing them to malfunction. Turn off Lenovo Phone or use Airplane Mode to turn off Lenovo Phone wireless transmitters when use is prohibited, such as while traveling in aircraft, or when asked to do so by authorities.

Medical devices

Lenovo Phone contains radios that emit electromagnetic fields. These electromagnetic fields may interfere with pacemakers or other medical devices. If you wear a pacemaker, maintain at least 6 inches (approximately 15 cm) of separation between your pacemaker and Lenovo Phone. If you suspect Lenovo Phone is interfering with your pacemaker or any other medical device, stop using Lenovo Phone and consult your physician for information specific to your medical device.

■ Important handling information

Cleaning

Clean Lenovo Phone immediately if it comes in contact with anything that may cause stains: such as dirt, ink, makeup, or lotions. To clean:

- Disconnect all cables and turn Lenovo Phone off (press and hold the Sleep/Wake button, then slide the onscreen slider).
- Use a soft, lint-free cloth.
- Avoid getting moisture in openings.
- Don't use cleaning products or compressed air.

Operating temperature

Be aware of heat generated by Lenovo Phone. When using Lenovo Phone, keep it away from hot or high-voltage environments, such as electric appliances or electric heating cooking equipment. Only use Lenovo Phone in the temperature range of -10°C (14°F) - 45°C (117°F) to avoid damage.

When Lenovo Phone is turned on or the battery is charging, some parts might become hot. The temperature that they reach depends on the amount of system activity and the level of charge in the battery. Extended contact with your body, even through clothing, could cause discomfort or even a skin burn. Avoid keeping your hands, your lap, or any other part of your body in contact with a hot section of Lenovo Phone for any extended time.

Protecting your data and software

Do not delete unknown files or change the name of files or directories that were not created by you; otherwise, Lenovo Phone software might fail to work.

Be aware that accessing network resources can leave Lenovo Phone vulnerable to computer viruses, hackers, spyware, and other malicious activities that might damage Lenovo Phone, software, or data. It is your responsibility to ensure that you have adequate protection in the form of firewalls, antivirus software, and anti-spyware software and keep this software up to date.

Keep electrical appliances such as an electric fan, radio, high-powered speakers, air conditioner, and microwave oven away from Lenovo Phone because the strong magnetic fields generated by these appliances can damage the screen and the data on Lenovo Phone.

Polyvinyl Chloride (PVC) cable and cord notice

WARNING

Handling the cord on this product or cords associated with accessories sold with this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

Disposing according to local laws and regulations

When Lenovo Phone reaches the end of its useful life, do not crush, incinerate, immerse in water, or dispose of Lenovo Phone in any manner contrary to local laws and regulations. Some internal parts contain substances that can explode, leak, or have an adverse environmental effect if disposed of incorrectly.

See "***Environmental, recycling, and disposal information***" for additional information.

Service and Support information

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of your product. Refer to the Lenovo Limited Warranty for a full explanation of Lenovo warranty terms. See “**Lenovo Limited Warranty notice**” later in this document for details on accessing the full warranty.

■ Online technical support

Online technical support is available during the lifetime of a product at <http://www.lenovo.com/support>.

■ Telephone technical support

You can get help and information from the **Customer Support Center** by telephone. Before contacting a Lenovo technical support representative, please have the following information available: model and serial number, the exact wording of any error message, and a description of the problem.

Your technical support representative might want to walk you through the problem while you are at your phone during the call.

■ Worldwide Lenovo Support telephone list

IMPORTANT

Telephone numbers are subject to change without notice. The most up-to-date telephone list for the Customer Support Center is always available at <http://support.lenovo.com/serviceproviders>.

If the telephone number for your country or region is not listed, contact your Lenovo reseller or Lenovo marketing representative.

Warranty information

■ Lenovo Limited Warranty notice

This product is covered by the terms of the Lenovo Limited Warranty, version L505-0010-02 08/2011. Read the Lenovo Limited Warranty (LLW) at http://www.lenovo.com/warranty/llw_02. You can view the LLW in a number of languages from this Web site. The LLW also is displayed on your phone during the initial setup. If you cannot view the LLW either from the Web site or from your phone, contact your local Lenovo office or reseller to obtain a printed version of the LLW.

■ Warranty period and type of Warranty service

Country or Region of Purchase	Warranty Period	Type of Warranty Service
India	<ul style="list-style-type: none">● Product (including the charger) - 1 year● Battery pack - 6 months● Earphone - 3 months	4
Indonesia		4
Philippines		4
Vietnam		4
Russia		4
Malaysia		4
Thailand		4
Ukraine		4
Venezuela	<ul style="list-style-type: none">● Product - 1 year● Charger/battery pack/earphone - 6 months	7
Chile		7
Peru		7
Mexico		7
Colombia		7
Saudi Arabia		4
United Arab Emirates		4

Types of Warranty Service

- 1 Customer Replaceable Unit ("CRU") Service
- 2 On-site Service
- 3 Courier or Depot Service
- 4 Customer Carry-In Service
- 5 Mail-in Service
- 6 Customer Two-Way Mail-in Service
- 7 Product Exchange Service

For a full explanation of the types of warranty service, refer to the full warranty. See "**Lenovo Limited Warranty notice**" for details on accessing the full warranty.

■ **Suplemento de Garantía para México**

Este Suplemento se considera parte integrante de la Garantía Limitada de Lenovo y será efectivo única y exclusivamente para los productos distribuidos y comercializados dentro del Territorio de los Estados Unidos Mexicanos. En caso de conflicto, se aplicarán los términos de este Suplemento.

Todos los programas de software precargados en el equipo sólo tendrán una garantía de treinta (30) días por defectos de instalación desde la fecha de compra. Lenovo no es responsable de la información incluida en dichos programas de software y/o cualquier programa de software adicional instalado por Usted o instalado después de la compra del producto.

Los servicios no cubiertos por la garantía se cargarán al usuario final, previa obtención de una autorización.

En el caso de que se precise una reparación cubierta por la garantía, por favor, llame al Centro de soporte al cliente al 001-866-434-2080, donde le dirigirán al Centro de servicio autorizado más cercano. Si no existiese ningún Centro de servicio autorizado en su ciudad, población o en un radio de 70 kilómetros de su ciudad o población, la garantía incluirá cualquier gasto de entrega razonable relacionado con el transporte del producto a su Centro de servicio autorizado más cercano. Por favor, llame al Centro de servicio autorizado más cercano para obtener las aprobaciones necesarias o la información relacionada con el envío del producto y la dirección de envío.

Para obtener una lista de los Centros de servicio autorizados, por favor, go to:

<http://www.lenovo.com/mx/es/servicios>.

Importado por:

Lenovo México S. de R.L. de C.V.

Av. Santa Fe 505, Piso 15

Col. Cruz Manca

Cuajimalpa, D.F., México

C.P. 05349

Tel. (55) 5000 8500

Environmental, recycling, and disposal information

■ General recycling statement

Lenovo encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. Lenovo offers a variety of programs and services to assist equipment owners in recycling their IT products. For information on recycling Lenovo products, go to: <http://www.lenovo.com/recycling>.

■ Important WEEE information



Country-specific information is available at <http://www.lenovo.com/recycling>.

■ Turkish statement of compliance

The Lenovo product meets the requirements of the Republic of Turkey Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (EEE).

Bu Lenovo ürünü, T.C. Çevre ve Orman Bakanlığı'nın "Elektrik ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik (EEE)" direktiflerine uygundur. EEE Yönetmeliğine Uygundur.

■ Declarações de Reciclagem no Brasil

Descarte de um Produto Lenovo Fora de Uso Equipamentos elétricos e eletrônicos não devem ser descartados em lixo comum, mas enviados à pontos de coleta, autorizados pelo fabricante do produto para que sejam encaminhados e processados por empresas especializadas no manuseio de resíduos industriais, devidamente certificadas pelos órgãos ambientais, de acordo com a legislação local. A Lenovo possui um canal específico para auxiliá-lo no descarte desses produtos. Caso você possua um produto Lenovo em situação de descarte, ligue para o nosso SAC ou encaminhe um e-mail para: reciclar@lenovo.com, informando o

modelo, número de série e cidade, a fim de enviarmos as instruções para o correto descarte do seu produto Lenovo.

■ Recycling information for China

《废弃电器电子产品回收处理管理条例》提示性说明

联想鼓励拥有联想品牌产品的用户当不再需要此类产品时，遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理。更多回收服务信息，请点击进入 <http://support.lenovo.com.cn/activity/551.htm>。

■ Recycling information for India

Recycling and disposal information for India is available at:

http://www.lenovo.com/social_responsibility/us/en/sustainability/ptb_india.html.

Restriction of Hazardous Substances Directive (RoHS)

■ Turkish

The Lenovo product meets the requirements of the Republic of Turkey Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (EEE).

Türkiye EEE Yönetmeliğine Uygunluk Beyanı

Bu Lenovo ürünü, T.C. Çevre ve Orman Bakanlığı'nın "Elektrik ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik (EEE)" direktiflerine uygundur.

EEE Yönetmeliğine Uygundur.

■ Ukraine

Цим підтверджуємо, що продукція Леново відповідає вимогам нормативних актів України, які обмежують вміст небезпечних речовин

■ India

RoHS compliant as per E-Waste (Management & Handling) Rules, 2011.

■ China

The information in the following table is applicable for products manufactured on or after March 1, 2007 for sale in the People's Republic of China.

有毒有害物質	組件				
	电路板	显示屏	電池組	附件	電源 適配器
鉛(Pb)	×	×	×	×	×
汞(Hg)	○	○	○	○	○
鎘(Cd)	○	○	○	○	○
六價鉻(Cr VI)	○	○	○	○	○
多溴聯苯(PBB)	○	○	○	○	○
多溴二聯苯 (PBDE)	○	○	○	○	○

說明：

○：表示該有毒有害物質在該部件所有均質材料中的含量均在SJ/T 11363-2006 標準規定的限量要求以下。

×：表示該有毒有害物質至少在該部件的某一均質材料中的含量超出 SJ/T 11363-2006 標準規定的限量要求。表中标有“×”的所有部件均符合歐盟 RoHS 法規。

电路板組件：包括印刷电路板及零部件、電容和連接器，根據機型不同，可能不會含有以上的所有部件，請以實際購買機型為準。



在中華人民共和國境內銷售的電子信息產品必須標識此標志，標志內的數字代表在正常的使用狀態下產品的環保使用期限。

Electronic emission notices

FCC Compliance Statement

FCC Declaration of Conformity

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

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.

Responsible Party:

Lenovo (United States) Incorporated

1009 Think Place - Building One
Morrisville, NC 27560
Telephone: 1-919-294-5900



FCC Caution

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE:

The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all Wi-Fi product marketed in US must fixed to US operation channels only.

■ EurAsia Compliance Mark



Specific Absorption Rate information

This phone 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 United States.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 10 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

This device is complied with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C. This device has been tested, and meets the FCC RF exposure guidelines when tested with the device directly contacted to the body.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: YCNA850.

For this device, the highest reported SAR value for usage against the head is 0.38W/kg, for usage near the body is 1.41W/kg.

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

requirements.

SAR compliance for body-worn operation is based on a separation distance of 10 mm between the unit and the human body. Carry this device at least 10 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body-worn operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 10 mm between this device and your body.

RF exposure compliance with any body-worn accessory, which contains metal, was not tested and certified, and use such body-worn accessory should be avoided.