Y300 UMTS training course

www.huawei.com

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The main purpose of this course is to conduct a comprehensive production training for our customers about Y300 UMTS mobile phone, including the following contents:
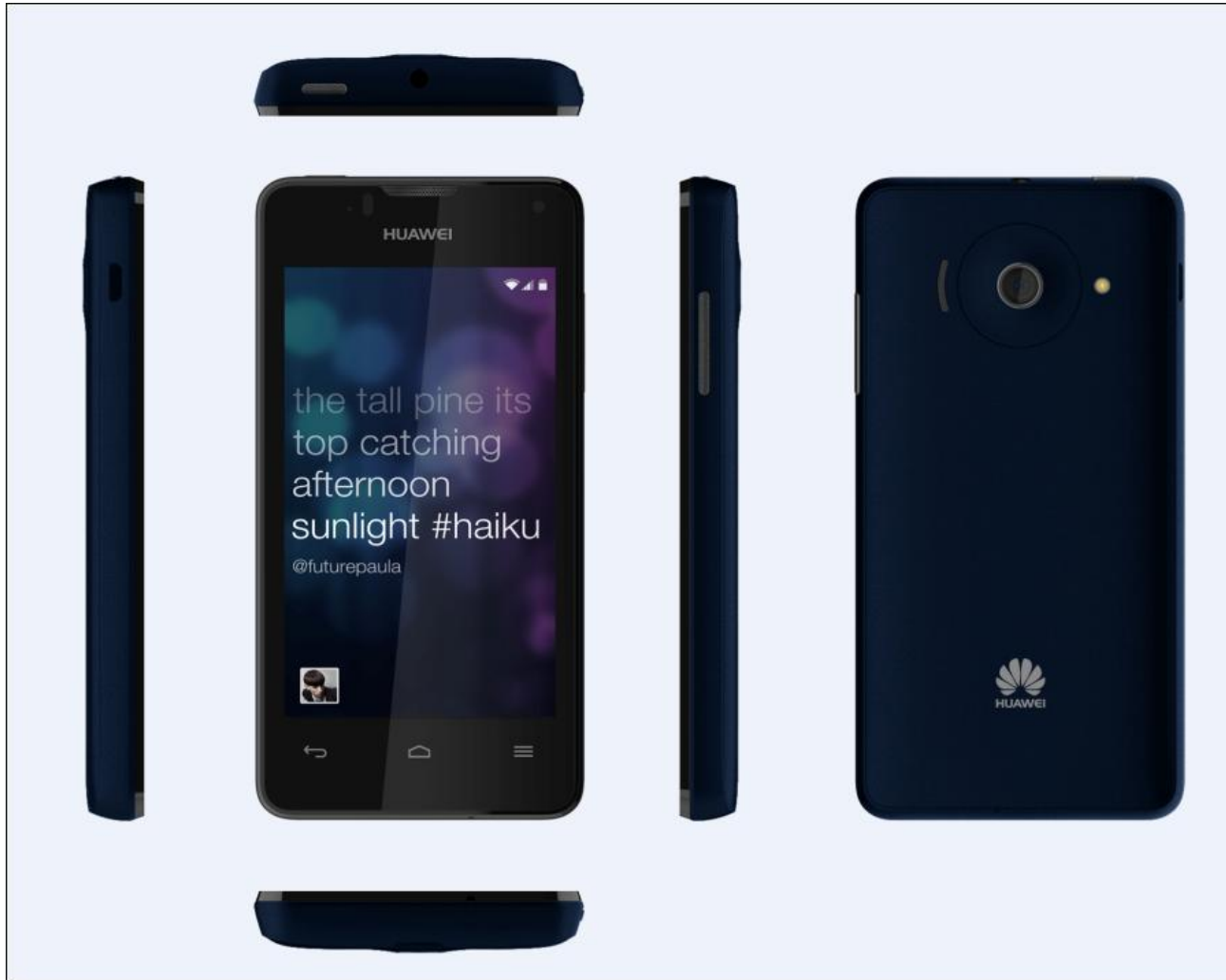
- Hardware/Software specifications
- Introduction of features
- Useful Operation skills
- Common Trouble shooting methods
- About Technical Support

Content

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Y300 UMTS ID

Introduction

HUAWEI Y300 is a smart phone developed by HUAWEI. It is based on Google Android™ 4.1 Operating System. They give you an excellent browsing with the Operating System from Google™, all in a thin touch phone.
- Android 4.1 (Jelly Bean) + Emotion UI
- 4.0-inch touch screen supporting auto rotation
- 5 MP camera
- User friendly soft keyboard
- High speed HSDPA/HSUPA network
- Wi-Fi 802.11 b/g/n
- Bluetooth 2.1 A2DP Stereo
- GPS/AGPS
- Abundant Google applications
- G-sensor
- Proximity sensor for auto turn-off
- Ambient light sensor for auto light adjusting

Introduction

Core Value

- 1.0GHz CPU , HSDPA 7.2Mbps and HSUPA: 5.76Mbit/s speed with good performance
- Popular SNS application

Internet

- Google Native browser
- Streaming Audio & Video
- Support more markup (XHTML/HTML/WML)

Media

- 5.0 Mega pixel Camera
- Video recording and playback
- FM radio

Applications

- GMS (like Google Mail, Google talk, Youtube)
- Google Maps
- Facebook and twitter
- Smart search Local & Internet
- Office & PDF reader: Document to Go
- POP3/IMAP/Exchange supportable

Download the *product description* from 3MS for more information Marketing name: HUAWEI Y300 UMTS

Display

- 4.0" 800x480 IPS with Capacitive Touch
- sotf touch key
- Auto rotate (G-sensor)

Connectivity

- WiFi 802.11b/g/n /WiFi router
- BT 2.1 (A2DP)
- Micro USB (High Speed USB)
- A-GPS
- 3.5mm audio jack

Frequency

- UMTS 850/1900/2100MHz
- HSDPA 7.2Mbps

Battery

1730mAh Li-ion battery

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Hardware Specifications

Item	Specifications
Shape	Bar-type
LCD	Size: 4.0inch Type: TFT-LCD screen, touch-sensitive screen Color: 16M(24-bit) colors Resolution: 800×540
Dimensions	124.5 mm(L)×63.8mm(W)×11.2 mm(T)
Weight	About 130 g (including the battery)
Frequency band	Y300 -1 WCDMA 2100MHz: 1920−1980MHz (UL), 2110−2170MHz (DL) WCDMA 900MHz: 880−915MHz (UL), 925−960MHz (DL) GSM 850MHz: 824−849MHz (UL), 869−894MHz (DL) GSM 900MHz: 880−915MHz (UL), 925−960MHz (DL) GSM 1800MHz: 1710−1785MHz (UL), 1805−1880MHz (DL) GSM 1900MHz: 1850−1910MHz (UL), 1930−1990MHz (DL) Y300-51 WCDMA 2100MHz: 1920−1980MHz (UL), 2110−2170MHz (DL) WCDMA 1900MHz: 1850−1910MHz (UL), 1930−1990MHz (DL) WCDMA 850MHz: 824−849MHz (UL), 869−894MHz (DL) GSM 850MHz: 824−849MHz (UL), 869−894MHz (DL) GSM 900MHz: 880−915MHz (UL), 925−960MHz (DL) GSM 1800MHz: 1710−1785MHz (UL), 1805−1880MHz (DL) GSM 1900MHz: 1850−1910MHz (UL), 1930−1990MHz (DL)

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Hardware Specifications

Maximum transmit power	WCDMA: +24dBm (Power Class 3) GSM/GPRS 850/900MHz: +33dBm (Power Class 4) GSM/GPRS 1800MHz/1900MHz: +30dBm (Power Class 1)
Static sensitivity:	WCDMA 850MHz: better than −104.7dBm/3.84MHz WCDMA 1900MHz: better than −104.7dBm/3.84MHz WCDMA 2100MHz: better than −106.7dBm/3.84MHz GSM 850/900/1800/1900MHz: better than −102dBm/200kHz
Network rate	WCDMA: 384Kbit/s (UL), 384Kbit/s (DL) HSDPA: 7.2Mbit/s HSUPA: 5.76Mbit/s GPRS/EDGE: 118.4Kbit/s (UL), 236.8Kbit/s (DL)
SIM/USIM card interface	Standard 6-pin SIM card interface, supporting the 1.8/3V USIM card
External interface	Standard Micro USB, microSD Card slot, 3.5 mm headset
External memory support	microSD Card (up to 32GB)
Processor	Qualcomm® MSM8225-0, 1G Hz Dual core

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Hardware Specifications

Memory	ROM: 4GB RAM: 512MB ROM User Available: 1GB
Device control:	Illuminated capacitive soft keys with haptic feedback Physical Power and Volume key
GPS	GPS/AGPS
Temperature	Operating temperature: 0~ + 45 Warehouse temperature: -20~ +70
	Capability: 1730mAh Standby time (Depends on the user operation and network condition): Up to 320 hours (); Up to 340 hours() Talking time (Depends on the user operation and network condition): Up to 320 mins (); Up to 320 mins (3G) Charging Time: 3 hours from supplied charger Audio playback: Up to 8 hours Music playback: Up to 29 hours
Relative humidity	Working: 5% - 95%
Camera	Main camera:5M FF Secondary camera:0.3M FF

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Hardware Specifications

Bluetooth	Bluetooth 2.1 + EDR A2DP stereo Bluetooth
WiFi	802.11b/g/n
USB	USB2.0 High Speed
Power supply	100V–240V, 50/60Hz
Certification	CE、FCC、ROHS、REACH、GCF、WEEE、WIFI、BQB、WHQL、Google TA、DLNA、NFC
Sensor	Accelerometer Proximity sensor Ambient light sensor Digital compass

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Software Specifications

Item	Specifications
Operating system	Android™ 4.1（Jelly Bean）+ Emotion UI
Input method	Android keyboard, Huawei IME
Browser	Android Native Browser
Voice codec	WCDMA: AMR-NB GSM/GPRS: FR/EFR/HR/AMR-NB
Messaging	SMS MMS
Email	POP3/IMAP/Exchange

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Software Specifications

Item	Specifications
Multi-media	Audio Codec: MP3, MIDI, AMR-NB, AAC, AAC+, eAAC+, PCM, OGG Vorbis Video Codec: H.263, H.264, MPEG-4 File Format: *.mp3, *.wav, *.ogg, *.mid, *.amr, *.mp4, *.3gp Image Codec: PNG, GIF (Static only), JPEG, BMP Image File Format: *.png, *.gif (Static only),*.jpg,*.bmp
Streaming media	Audio Codec: AMR-NB, AAC, AAC+, eAAC+ Video Codec: H.263, H.264, MPEG-4 File Format: *.mp4, *.3gp
USB function	Mass Storage USB Tethering Charging

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Software Specifications

Item	Specifications
STK/USAT	Support STK/USAT
Camera & Video resolution	5.0MP: Photo: Up to 2592×1944 Video: Up to 854×480
Photo and video	Capture File Format: *.jpg Recording File Format: *.mp4

Y300 UMTS Main Features

4.0" WVGA full touch

1.0 GHz CPU

5.0 Mega Pixel photo

Wi-Fi router & BT2.1

Tethering over USB

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Content

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Understand your Y300

Before you start, let's take a look at your new phone.

- Touch ⬸ to return to the previous screen or leave an application.

- Touch ⌂ to return to the home screen.

- Touch ☰ to display an option menu.

- Press and hold the power button to power on your phone. After your phone powers on, press the power button to turn off or awaken the screen.
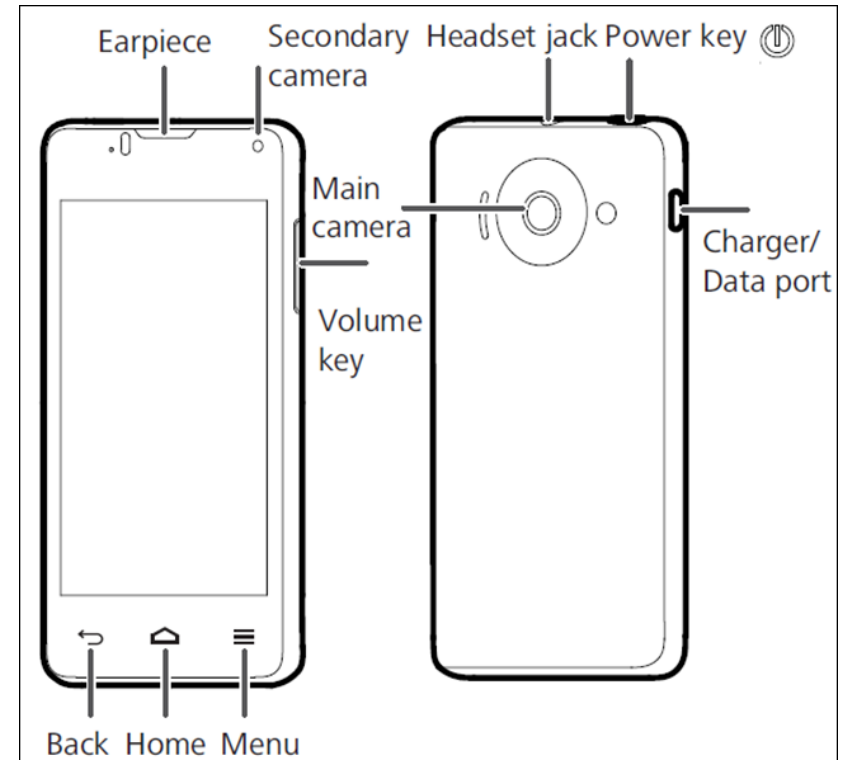
Prepare your phone

♦ Inserting a SIM card

To install a SIM card, perform the operations shown in the following figures.
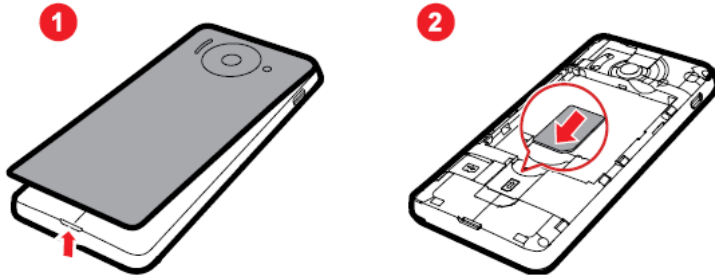
1. Remove the battery cover.

2. Insert the SIM card into the SIM card slot with its metal contacts facing down.

♦ Installing the microSD card

You can insert a microSD card to expand your phone's storage capacity. To do so, perform the operations shown in the following figure.
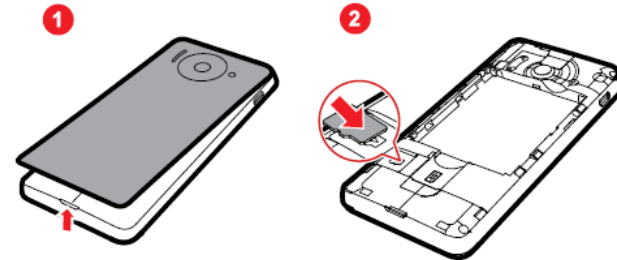
To remove the microSD card:

1. On the home screen, touch ⚙ , and open the **All** tab page.

2. Touch **Storage** > **Unmount shared storage**.

3. Carefully remove the microSD card.

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Prepare your phone

♦ Installing the battery

To install the battery, perform the operations shown in the following figures.
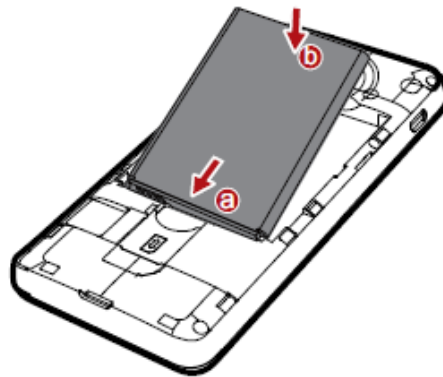
1. Align the battery's metal contacts with those at the bottom of the battery compartment (refer to position **a** in the preceding figure).

2. Press the other end of the battery (position **b** in the preceding figure) against your phone to secure it within the battery compartment.

3. Place the battery cover back on.

Operating Your handset

Lock：

- Press Power KEY shortly

- Locked screen：

When the user does not using the phone, press the power button to turn off the screen.
After being idle for a specified period of time, your phone automatically locks its screen.
Follow the onscreen instructions and drag to unlock the screen or open an application

Unlock：

- Press unlock icon and move it right/left/down/up to unlock

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Operating Your handset

Applications are displayed right on the home screen, giving user easier access to the favorite applications. The unique *Me Widget* can integrate functions that user often use. User can touch an icon to open an application. Touch and hold Me Widget, and touch ◆ to customize the *Me Widget*.

Status bar

Edit Me Widget

Display area

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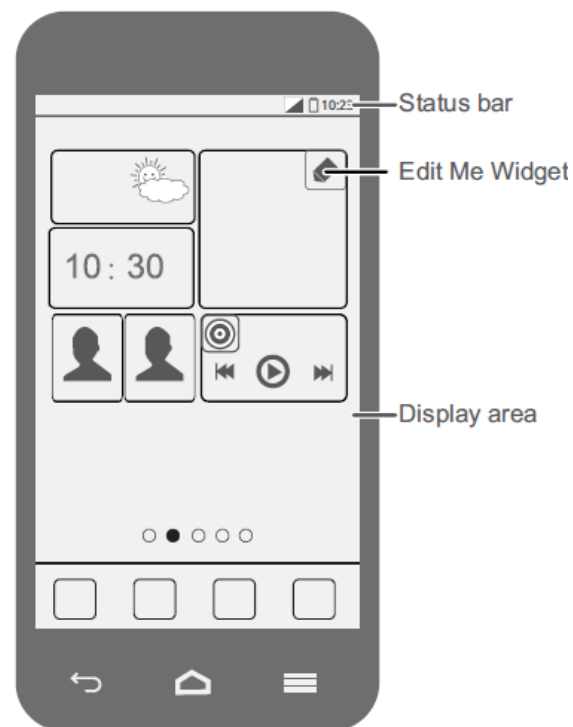
Operating Your handset

Sending messages

Attach file

Happy birthday!

Touch 😊 to open **Messaging**.
Adding a photo or audio clip to a text message turns it into a multimedia message.
You can also save attachments from multimedia messages.

Making a call
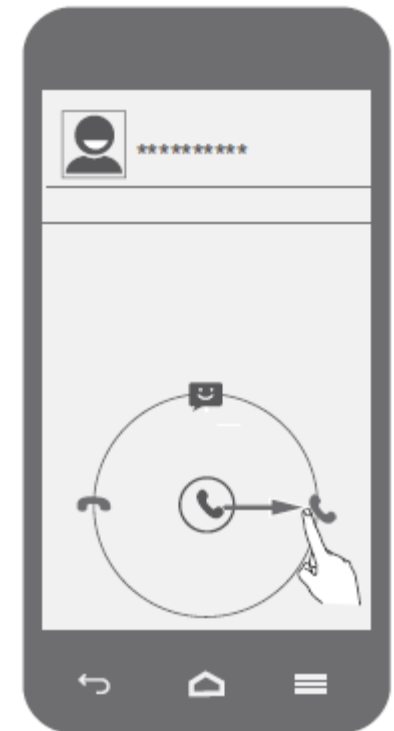
Touch 📞 to open the dialer.
You can dial a phone number directly or touch 👤 to choose a contact.
You can also touch a phone number in places like messages, email, and webpages to make a call.
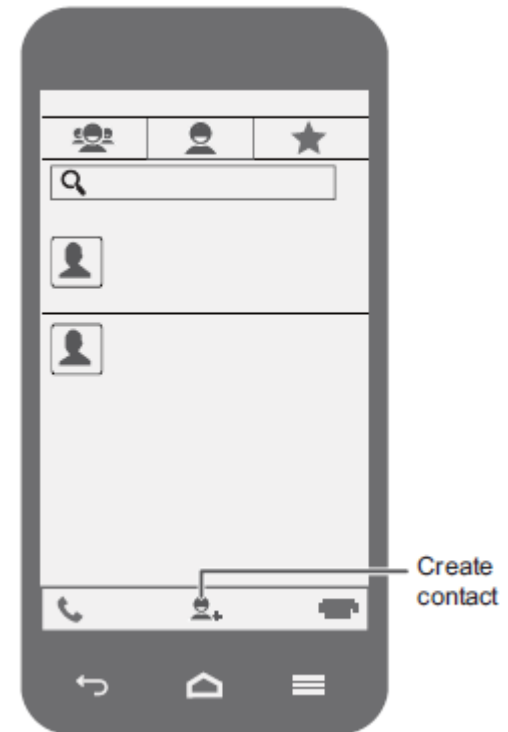To answer an incoming call, drag 📞 to 📞.

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Operating Your handset

Managing contacts

Touch [icon] to open **People**.

From the contact list, touch ≡ > **Manage contacts** to import contacts from the SIM card, microSD card, or another Bluetooth device.

Touch the [icon] tab page to group your contacts for easier management.
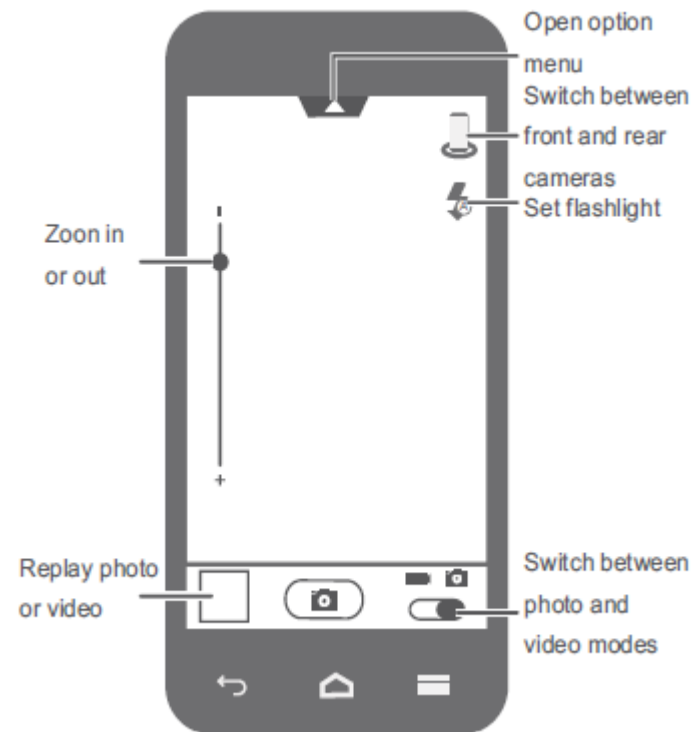
Create contact

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Operating Your handset

Capturing the moment

Touch ⬚ to open **Camera**.
In photo mode, let your camera focus automatically or touch an object on the view finder to focus the camera on it. Then touch ⬚ to take a photo.
In video mode, frame the scene and touch ⬚ to record a video.

Open option menu

Switch between front and rear cameras

Set flashlight

Zoon in or out

Replay photo or video

Switch between photo and video modes

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Operating Your handset

Listening to music

Touch 🔲 to open **Music**.
You can play songs by name, artist, album, and more.
You can also mark your favorite songs to add them to the
FAVORITES playlist.

Enable or
disable DTS
sound effect

Mark as
favorite

Progress
bar

Operating Your handset

Surfing the web

Flick the status bar down to open the notification panel. You can then turn on the mobile data connection or Wi-Fi quickly.

Touch ⬛ to open **Browser**.
You can start surfing the web right away using your phone's browser and stay on the ball with up-to-date news and information.

Your browser supports multi-page browsing. Touch ⬛ to switch between pages.

Touch for more options

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Uni Home
Less is more

Usability is improved through combining home panels with main menu as cognitive load associated with navigation is significantly reduced, especially for entry-level users. Our patent pending Me Widget puts media and communication related information and functions conveniently at your fingertips.

Me Widget
Better utilize your screen real-estate by combining all the information and functions you need in a single, customizable widget.
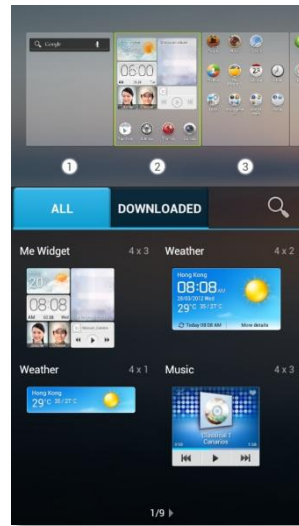
EZ Folder
Make applications management less tedious by adding applications to a folder in bulk.
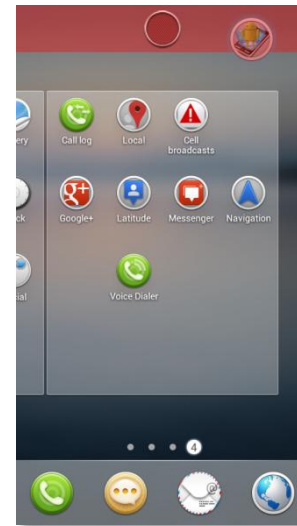
Screen Shots

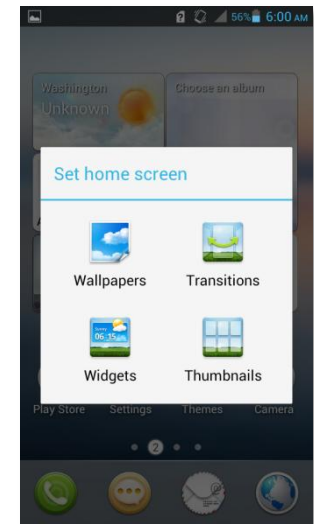home panel

add widget

delete application

menu

resize Me widget

open folder

add applications to folder

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Profiles
Let your phone works for you

Your phone is equipped with sensors and technologies that enables it to track location, time and other information (with your permission, of course). So whether you are working out in the gym, driving or in a meeting, your phone can intelligently selects a profile that is most suited to you current context of use.
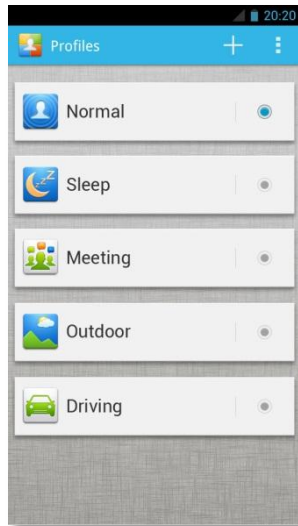
Predefined Profiles
Get started with one of our five predefined profiles: Standard, Driving, Sleep, Outdoor, and Meeting.
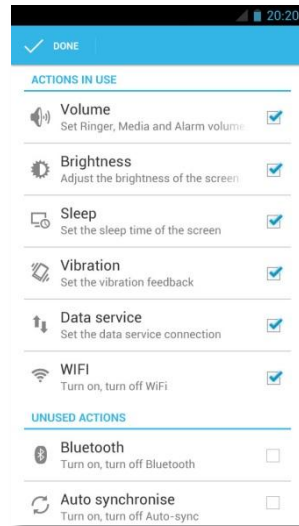
Extensive Control
A wide range of settings such as screen brightness, auto reply, ringer volume can be controlled though profiles switching.
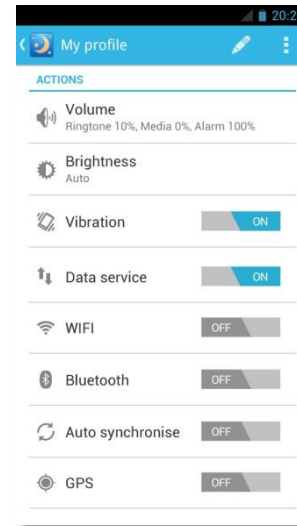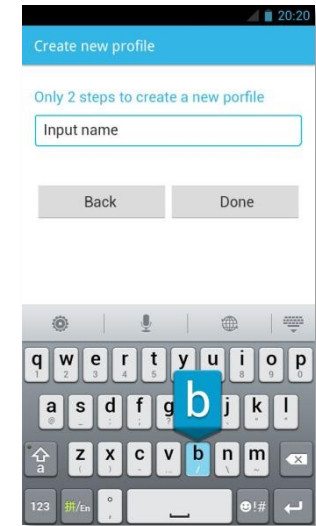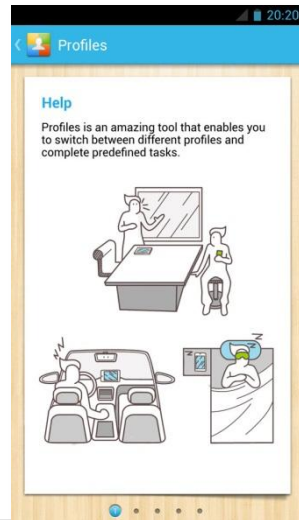
Screen shots

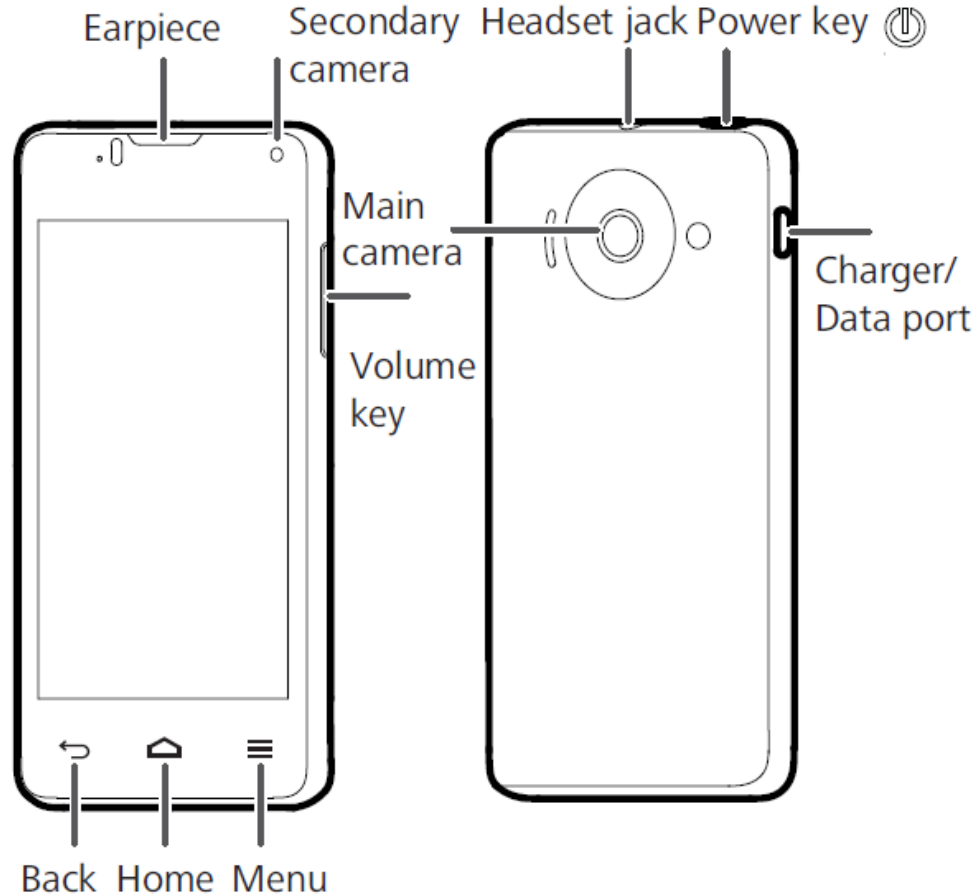profiles list

controls

profile details

new profile

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Y300 UMTS Operation Skills

Keys and ports

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Definition of Service Level

Definition of
Service Level

Trouble shooting

Touch screen fault
Incoming Voice
Display issues
Restart or Hang on Logo status

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Content

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Appendix One: Accessories

Number	Item	Quantity	Remark
1	Handset	1	Standard
2		1	Standard
3	Headset	1	Standard
4	Charger	1	Standard
5	USB cable	1	Standard
6	Quick Start Guide	1	Standard
7	Certificate Of Qualification	1	Optional

Appendix two: Technical Support

Huawei Device Official Website

http://www.huaweidevice.com

Huawei Device E-mail

E-mail： mobile@huawei.com

Huawei Device Forum

http://www.huaweidevice.com/cn/technicaIndex.do

Appendix three: Abbreviations

Abbreviations	English
AMR	Adaptive Multi-rate Codec
CS	Circuit Switched Domain
DCS	Digital Cellular System
PIN	Personal Identification Number
CS	Circuit Switched Domain
PS	Packet Switched Domain
PUK	PIN Unblocking Key
SIM	Subscriber Identity Module
USIM	UMTS Subscriber Identity Module
WCDMA	Wideband code division multiple access

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Y300 UMTS

Thank You