
Ingenic®
Newton Demo User Guide

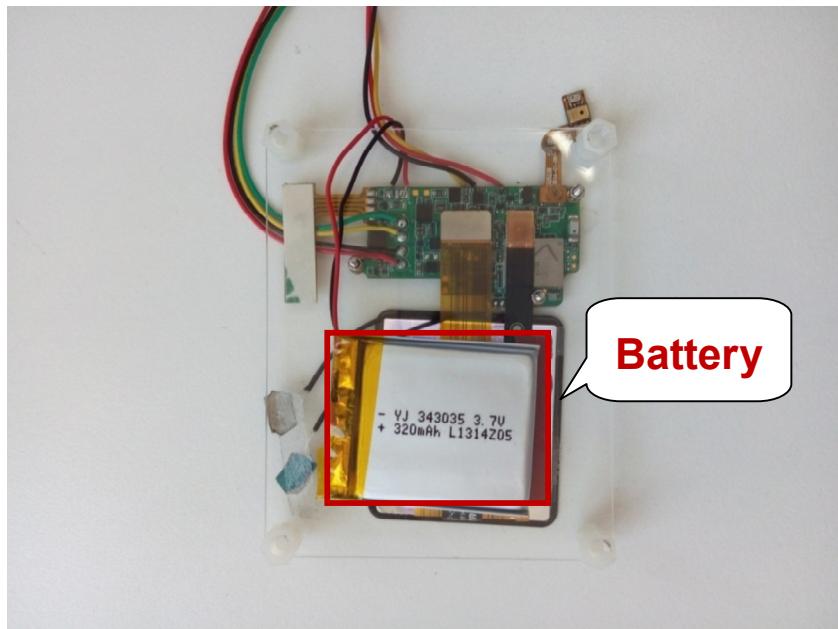
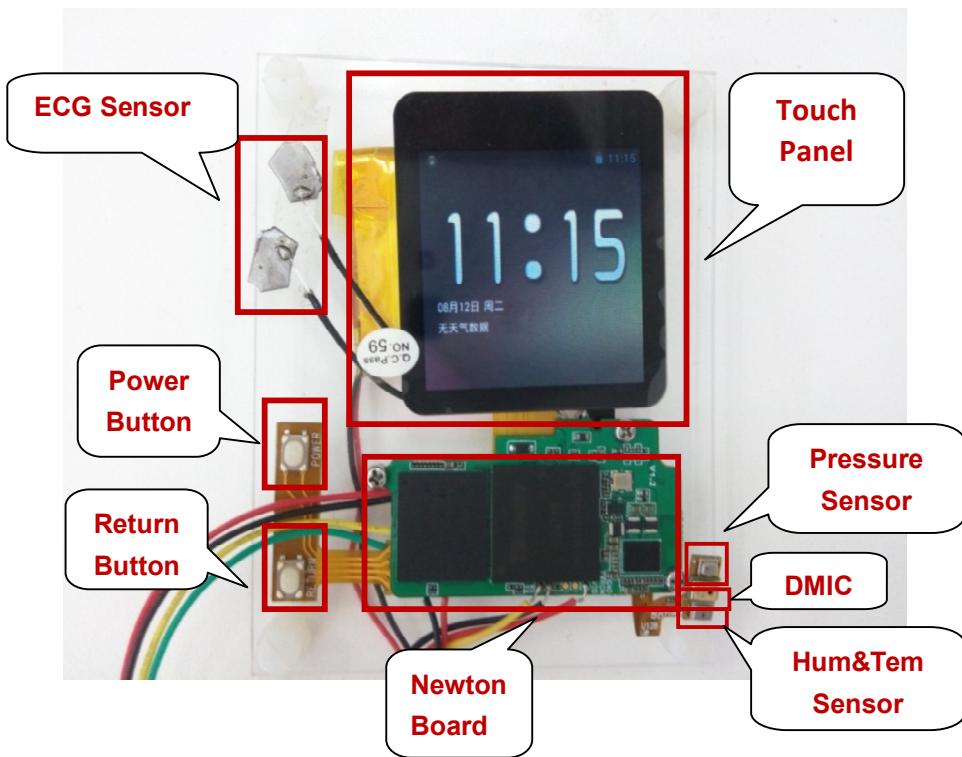
Date: Aug. 2014



北京君正集成电路股份有限公司
Ingenic Semiconductor Co., Ltd.

1 User Interface

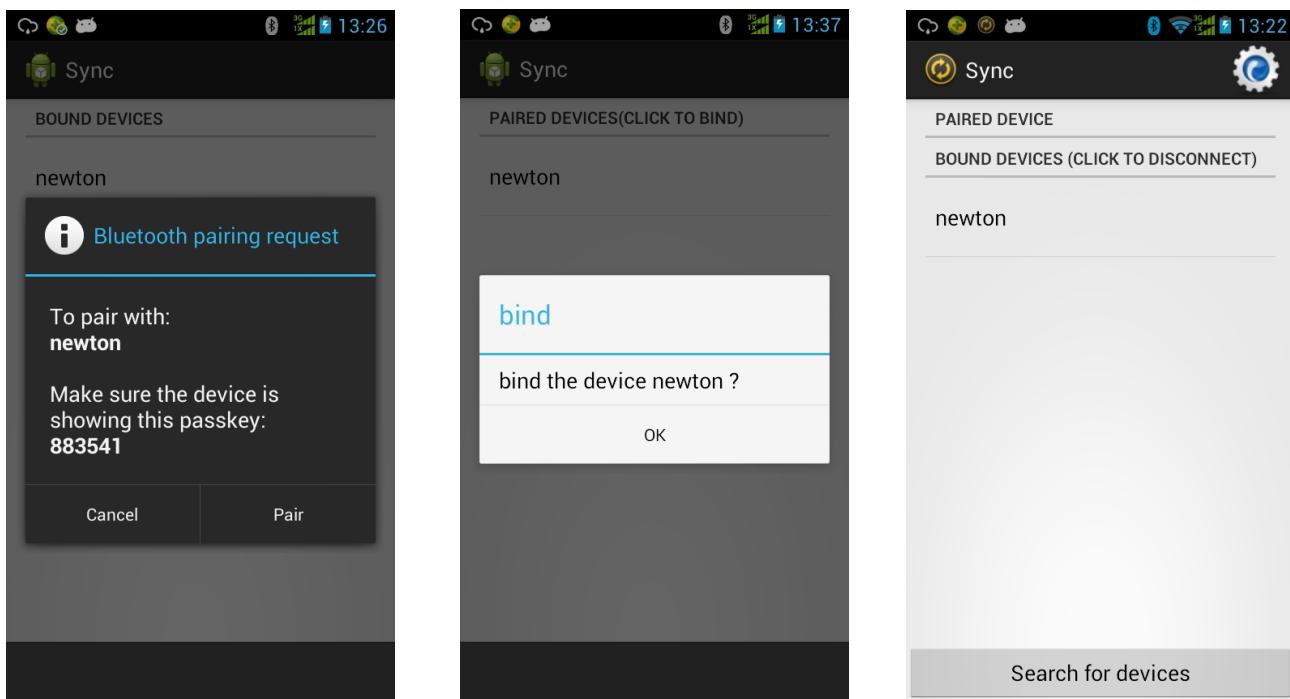
- Touch Panel
 - User can use his finger to touch the Panel to scroll the GUI or select the application.
- Power Button
 - User can use the power button to turn on/off the platform.
 - User can use the power button to let the Newton Platform into sleep mode or wake up it.
- Return Button
 - When user using the touch panel to select the application(function), he needs to use the Return Button to leave the current application.
- Battery
 - The battery can be charged with the USB.
- ECG Sensor
 - User can use this sensor to measure ECG data.
- Pressure Sensor
 - User can use this sensor to measure pressure.
- Hum&Tem Sensor
 - User can use this sensor to measure temperature and Humidity.
- DMIC
 - User can use it to record.



2 Sync APP

There is some demo sync functions on the Newton needs the Sync APP on the Android Phone.

- The sync functions do not work until Newton paired and bounded success with Phone using Bluetooth.
- The contents on the phone can sync to the Newton, for example, Call log, Sms, ContactIngen and so on.



3 The Applications

- **Browser**

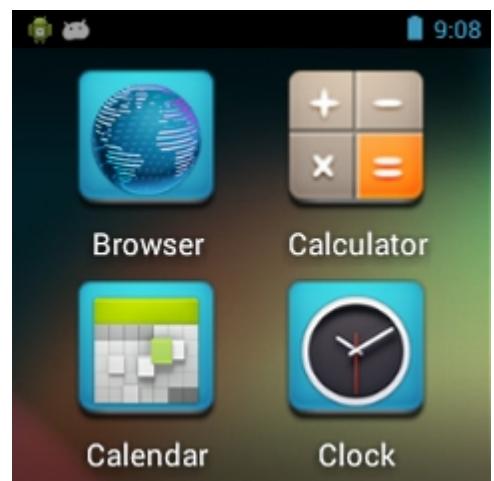
--A simple browser.

- **Calculator**

--A simple and advanced calculator

- **Calendar**

--Sync the agenda from the Phone.

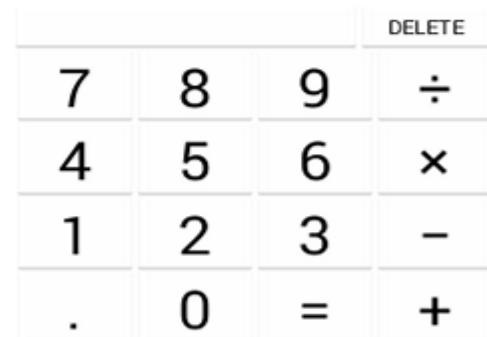


● Clock

--It includes four functions: Alarm, World clock, Stopwatch, Timer.

Calculator

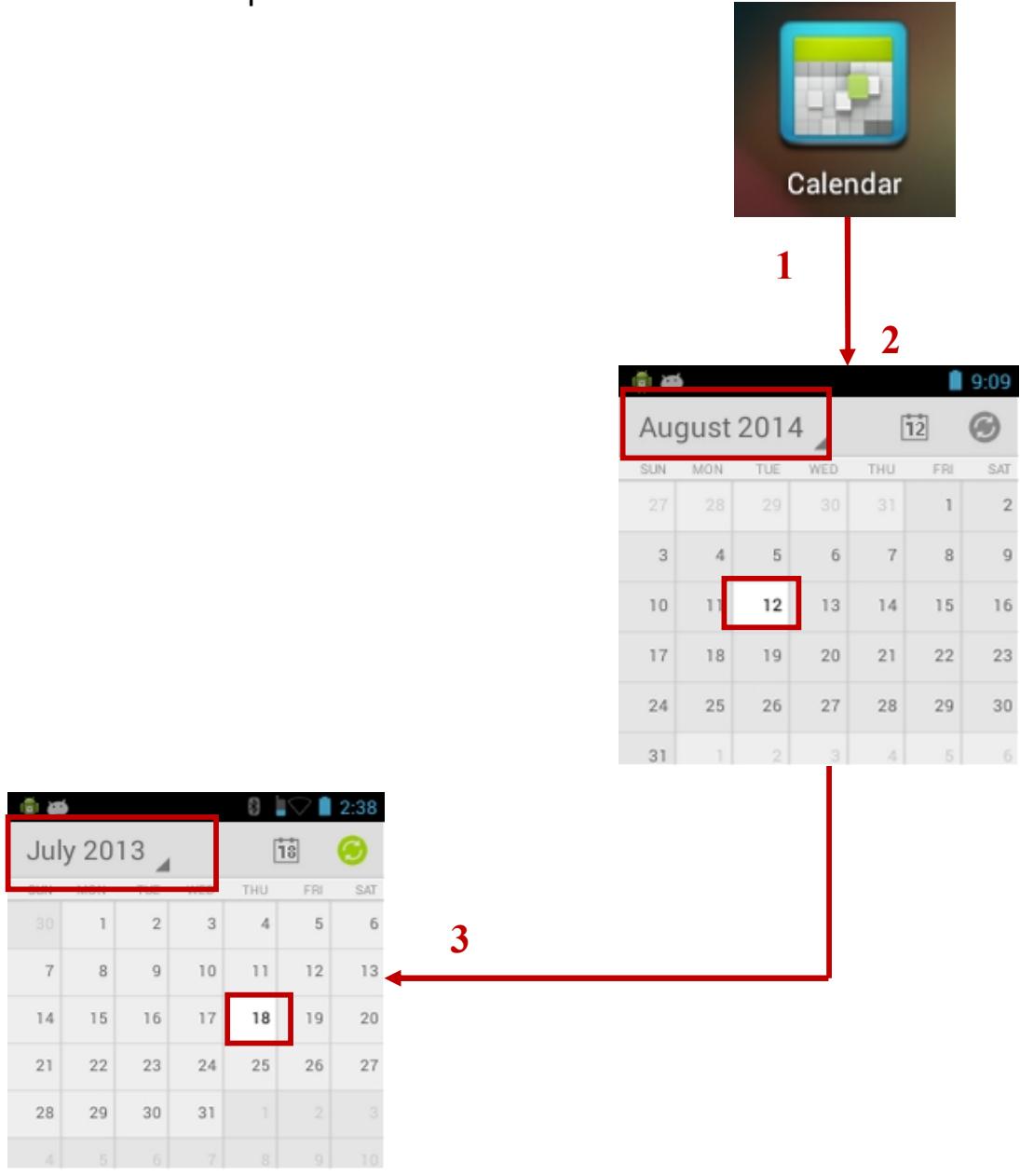
--User can click the Calculator icon to enter the Calculator APP.



Calendar

--User can click the Calendar icon to enter the Calendar APP.

--Scroll the screen up and down to select the month.



Clock

--User can click the Clock icon to enter the Clock APP.



--It includes four functions: Alarm, World clock, Stopwatch, Timer.

Stopwatch

- User can click the Stopwatch icon to enter the Stopwatch APP.
- Set times and click START button.



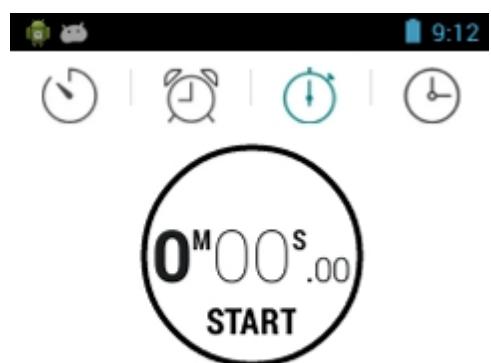
Alarm

- User can click the Alarm icon to enter the Alarm APP.
- Click the ADD ALARM button to set Alarm.
- Click the SETTINGS button to set the style of alarm and show home time zone.



Timer

- User can click the Timer icon to enter the Timer APP.
- Click the START button to start timing.



World clock

--User can click the World clock icon

to enter the World clock APP.

--Click the Cities button to set World time.



● Call log

--Sync the Call log from the Phone.

● Gallery

--View local pictures.

● Remote Camer

--Sync the camera data from the Phone

and capture the picture.

● Local music

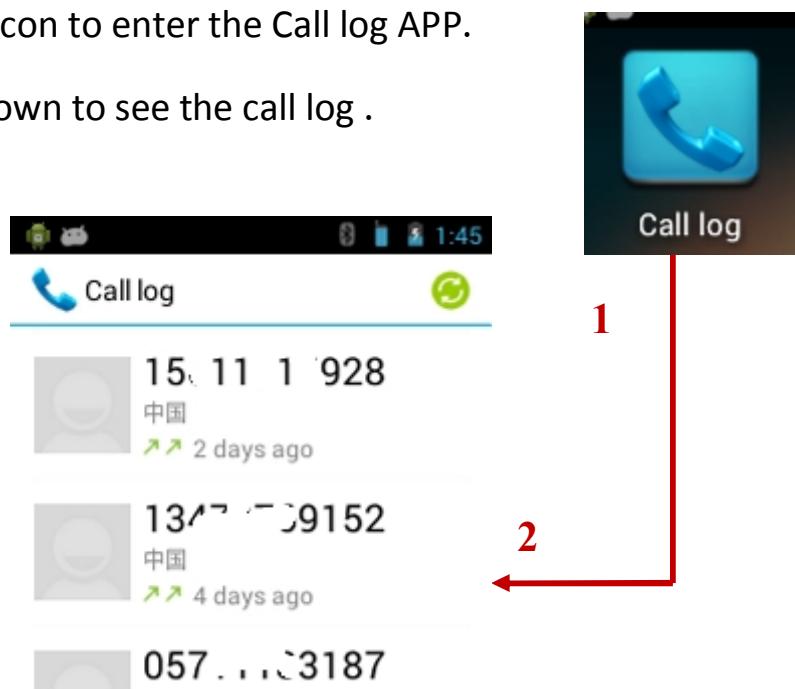
--Music Player.



Call log

--User can click the Call log icon to enter the Call log APP.

--Scroll the screen up and down to see the call log .



Remote Camera

--User can click the Remote Camera icon to enter the Remote Camera

APP and then it will open the camera on the Phone.

--Click the camera button on the bottom right corner

to capture pictures. The picture will be stored on the Phone.



● Settings

--System settings.

● Sound Record

--Recording.

● File Manager

--Manage files.

● com.neurosky

--Measure ECG.



Settings

--Click the Settings icon to enter the Settings APP.

--The user can set the language, location, display and other functions in the Setting APP.



Sound Record

--Click the Sound Record icon to enter the

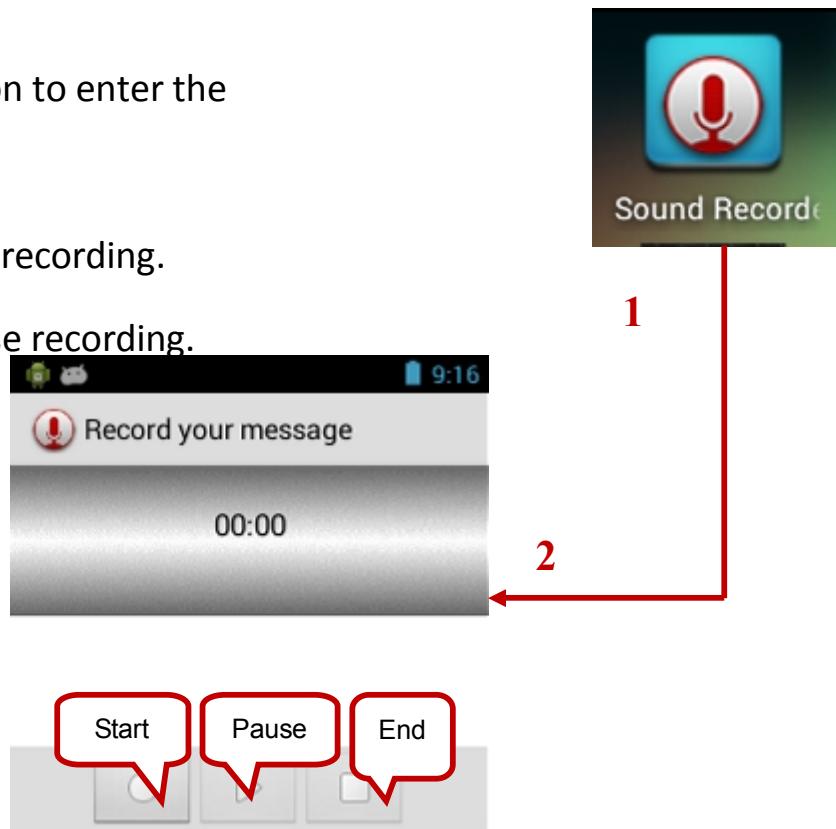
Sound Record APP.

--Click the start button, begin recording.

--Click the pause button, pause recording.

--Click the end button,

finish recording.

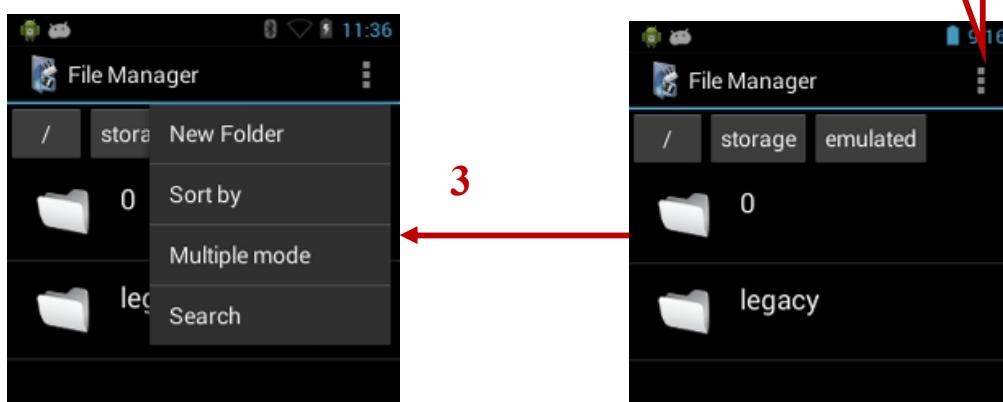


File Manager

--Click the File Manager icon to enter the File Manager APP, you can manage the files on Newton.

--User can touch the on the top right corner button to enter the setting APP, It Includes four functions: New Folder,

Sortby, Multiple mode, Search.



com.neurosky

--Click the com.neurosky icon to enter the com.neurosky APP.

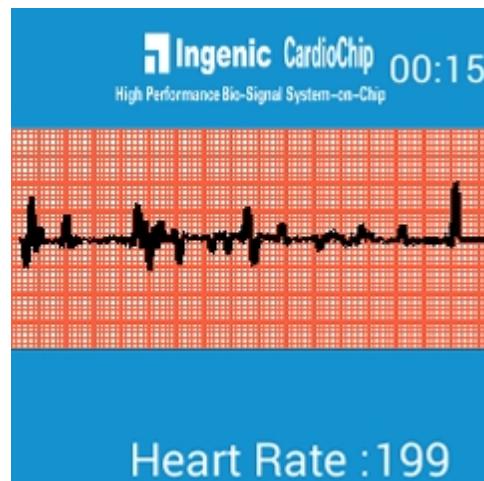
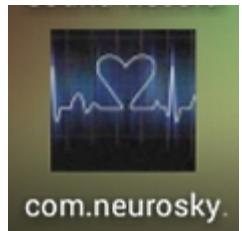
--Touch the test points with two fingers until appears stable

waveform and data.(Note: Do not connect USB or

UART while testing, because that will impact test result. The

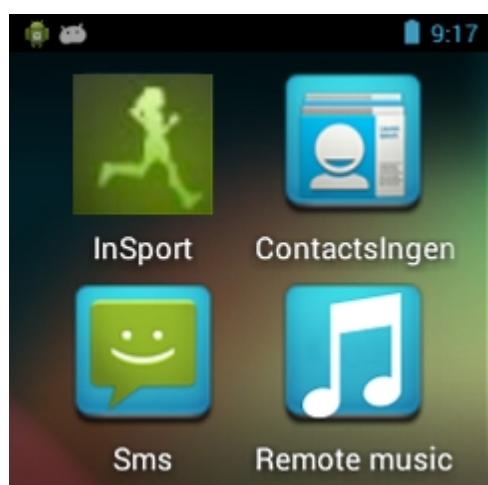
figure below shows incorrect

waveform).



● Insport

--Keep track of your steps.



● Contactsingen

--Sync the contact information from the Phone.

● Sms

--Sync the sms from the Phone.

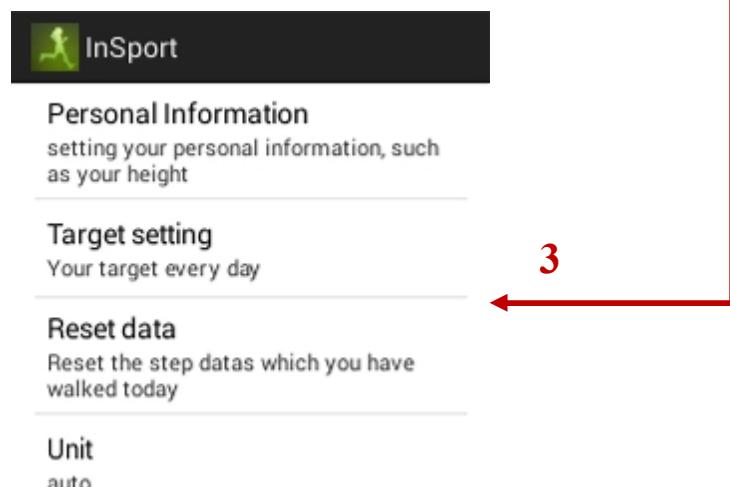
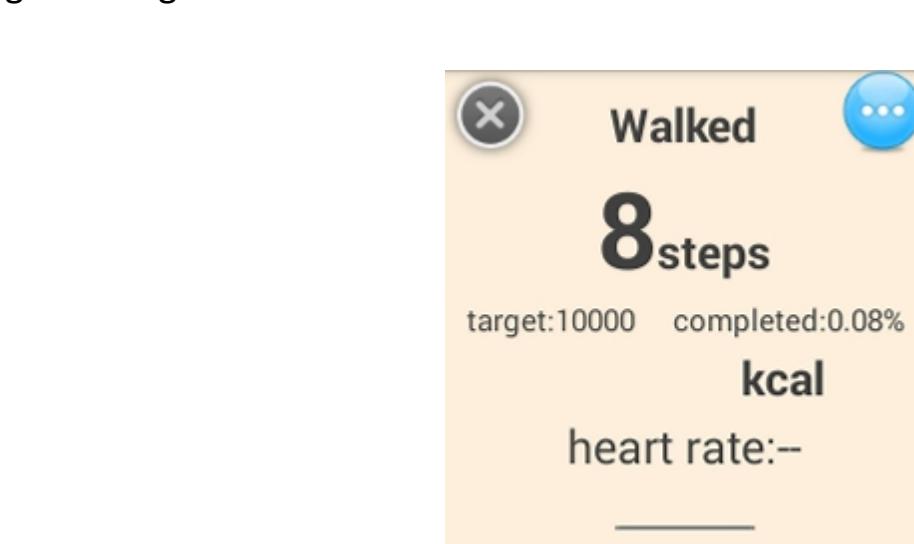
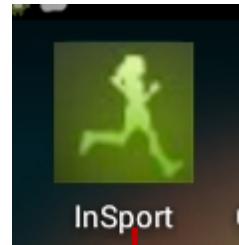
● Remote music

--Control music player on the phone.

InSport

--Click the Insport icon to enter the Insport APP.

--User can touch the button on the top right corner to enter the setting APP, you can set Personal Information, Target setting and so on.



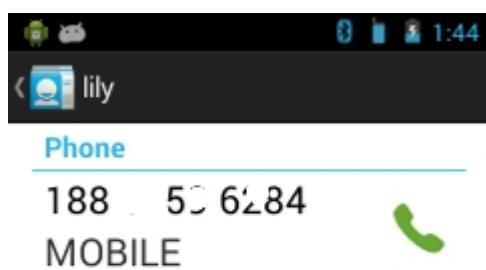
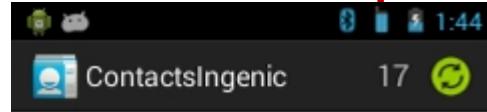
ContactsIngen

--Click the ContactsIngen icon to enter the ContactsIngen APP.



--It can sync Contacts from the phone.
--User can scroll the list up and down to find out the people who you want.

--Touch the Name and then the user can see the detail contact information.



3

Sms

--Click the Sms icon to enter the Sms APP.

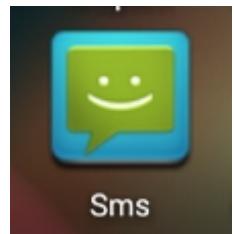
--It can sync Sms from the phone.

--The user can scroll the list up and down to find out the.

message that you want to see.

--Click the message to show

the detail.



1

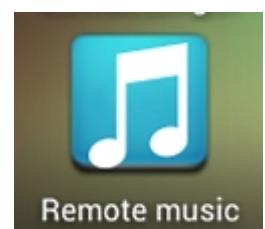
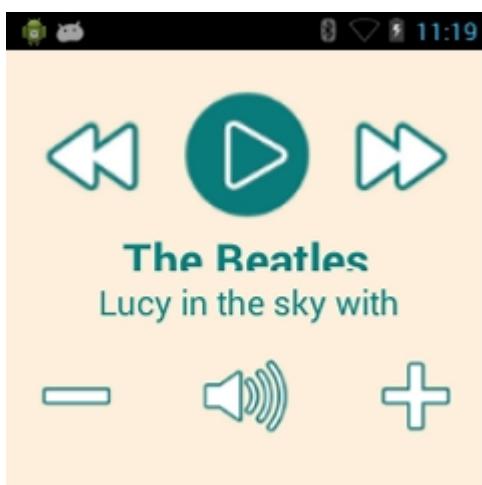
2

Remote music

--Click the Remote music Icon to enter the Remote music APP.

It can control the music player on the phone: Volume, Pause,

Forward/Back).



1

2

● Weather Forecast

--Show the weather information.

● Remote Control

--Remote control mobile phone.

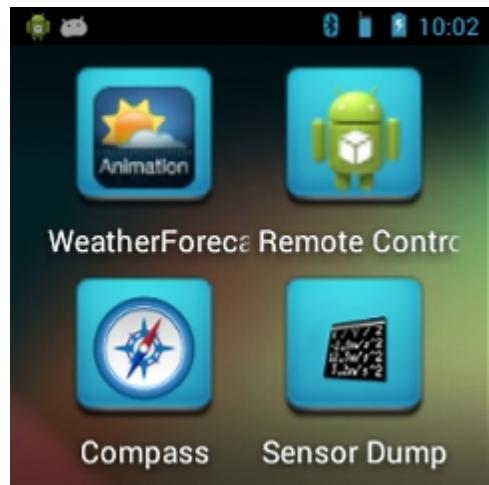
● Compass

--Direction can be defined.

● Sensor Dump

--Check sensors data(temperature,

Humidity, pressure and so on).



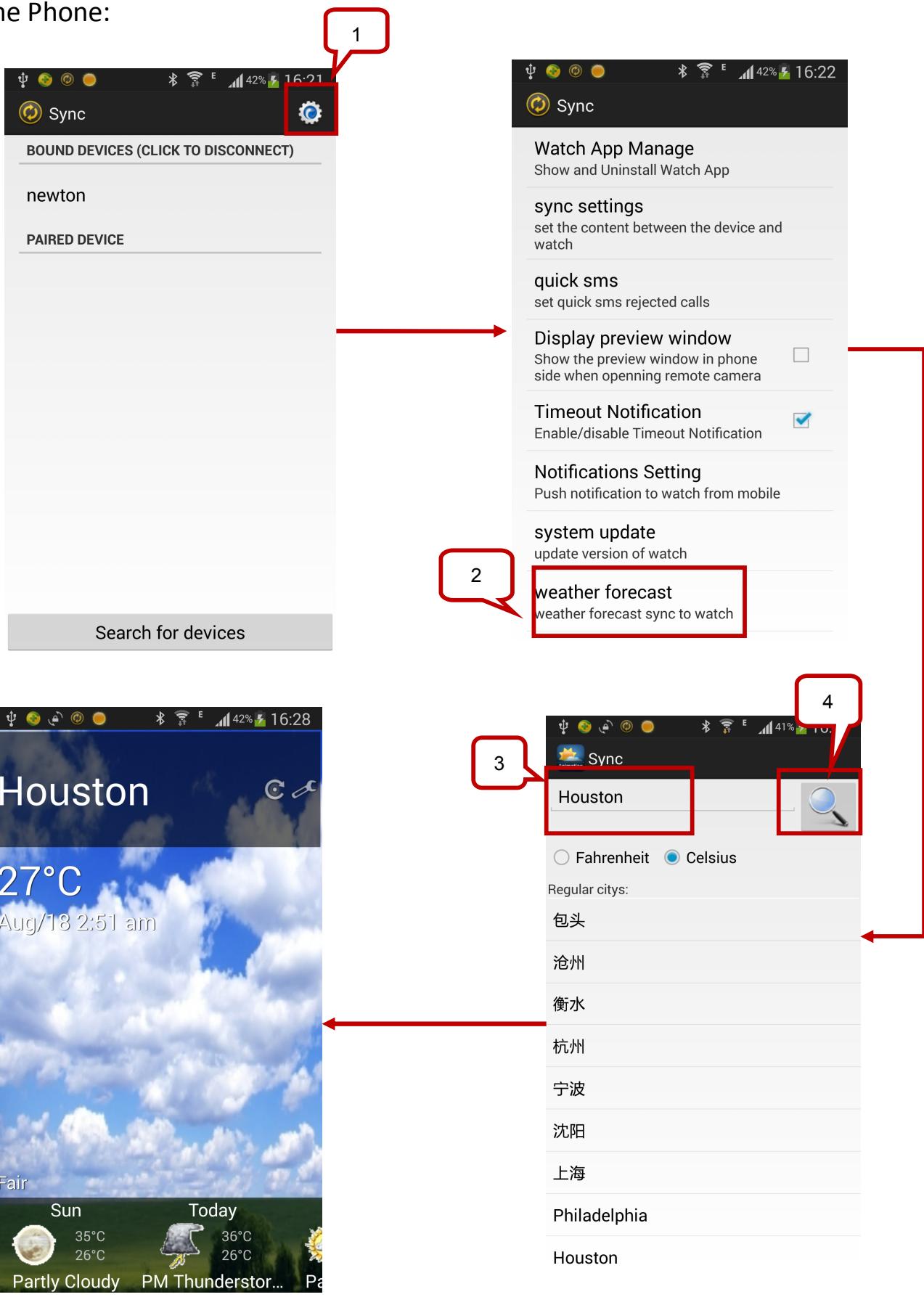
WeatherForecast

--First, User touch the button on the top right corner on the phone to enter the setting APP after Newton bounded with Phone successfully, Then touch weatherforecast button to select city(beijing).

--Click the WeatherForecast icon to enter the WeatherForecast APP.



The Phone:

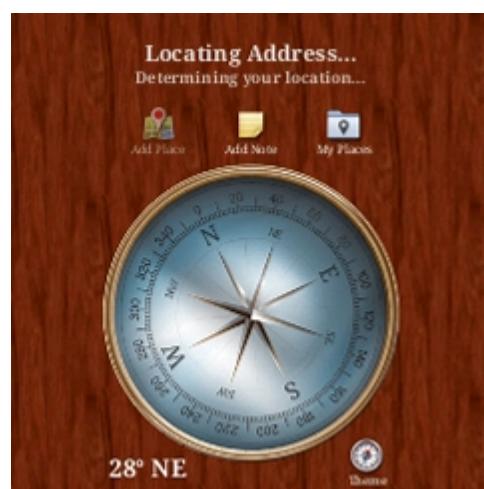


Newton platform:



Compass

--Click the Compass icon to enter the Compass APP.



1

2

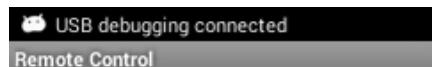
Remote Control

--Click the Remote Control icon to enter the Remote Control APP.

--The phone will start to ring when touch

'find me' button.

--The phone will stop ringing when
press the OK button on the phone.



Lock Screen



1

find me

2



3

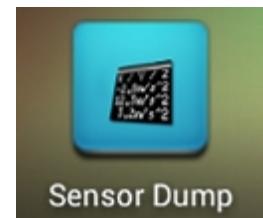
Sensor Dump

--Click the Sensor Dump icon to enter the Sensor Dump APP.

--Touch the temperature to show the temperature values.

--Touch the Humidity to show the humidity values.

--Touch the pressure to show the pressure values.



1

2

Tem

Hum

press

