



Revision History

Version	Description	Date
V0.1	Initial release.	August 4 th , 2016
V0.2	Fine-tuned for NQ1000 specific features	January 5 th , 2017
V0.3	1) Revised home page 2) Add hardware & accessory installation & operation	January 31 st , 2017

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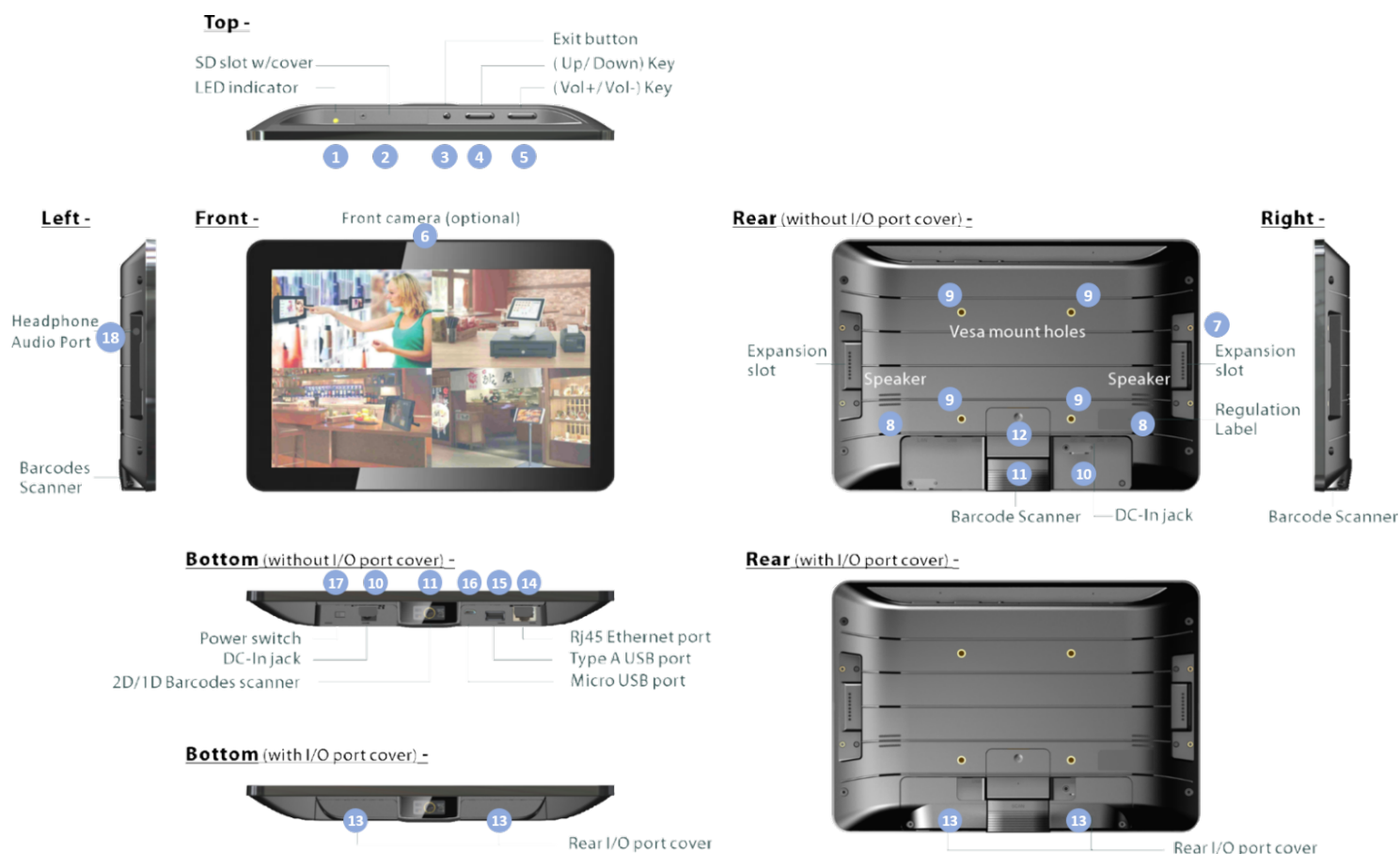
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Disclaimer

- ✓ Please read the instructions carefully before equipment installation and using the device.
- ✓ Do not put the product in high temperature, humid or dusty environment.
- ✓ Do not drop, crash or break down this product.
- ✓ Do not power off the device when it's formatting or upgrading, otherwise it will cause operation system error.
- ✓ This product is IP54 certified in waterproof and dustproof on front panel (only).
- ✓ Use only approved add-on enhancements.

Device Instruction & Installation

Hardware Instruction



- | | |
|--|---|
| 1. LED Indicator | |
| 2. SD Card Slot / Cover: | support external SD card |
| 3. Exit Button: | return to the previous page |
| 4. Function Keys (Up / Down): | select the up/down item |
| 5. Function Keys (Vol+ / Vol-): | adjust the system volume |
| 6. Front camera: | embedded 2M pixels (& 5MP or 8MP) optional |
| 7. Expansion slot: | to put optional add-on modules |
| 8. Speakers: | dual audio output |
| 9. VESA Mount Holes: | having device mounted with Wall Mount Kits, Shelf Mount Kits, or Desktop Stand. |
| 10. DC-In Jack: | powered by 12V/2A DC input |
| 11. Barcode Scanner: | 2D barcode scanner to scan barcode |

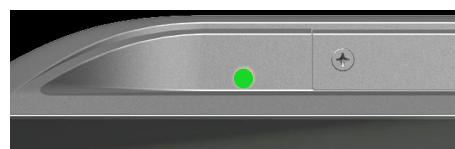
- 12. **Control I/O port cover:** cover for GPIO and RS-232 ports
- 13. **Generic I/O port cover (left and right pieces):** covers for frequent used I/O ports
- 14. **10/100Mbps RJ45 Ethernet:** RJ45 connector support Ethernet connection
- 15. **USB Host Port:** support USB 2.0 Host type A
- 16. **Micro-USB OTG Port:** USB 2.0, Micro-USB type B jack, OTG
- 17. **Power Switch:** switch power ON/OFF
- 18. **Headphone audio jack**

Hardware Instruction & Operations

(Installation & Uninstallation)

1. LED Indicator:

Green	Power supply is on.
Light Off	Power supply is off.

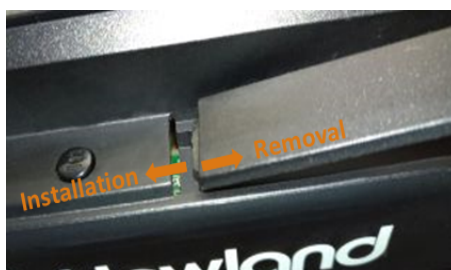


2. SD Card Slot / Cover

Support external SD card up to 32GB (/ 64GB)

INSTALLATION:

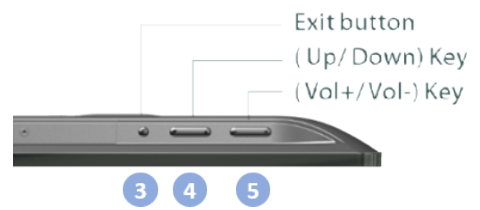
- 1) Release the screw on SD card cover
- 2) Remove SD card cover
- 3) Insert SD card into the push-push SD card slot



REMOVAL:

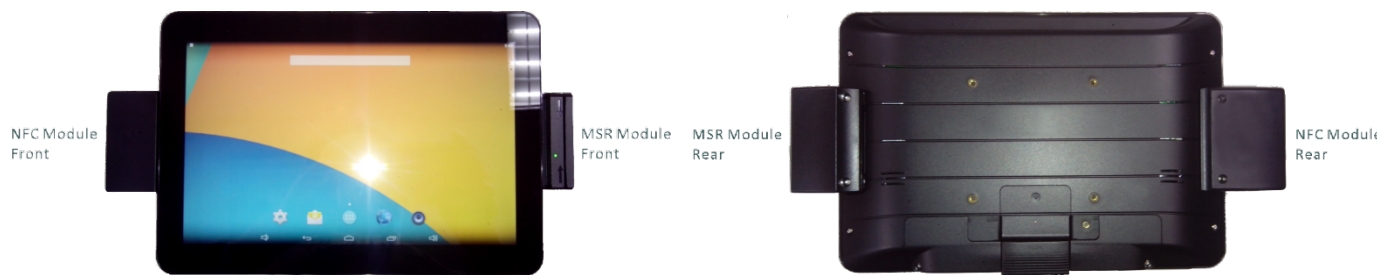
- 1) Push SD card inside the slot, release press force suddenly to let SD card popped out from slot
- 2) Insert cover and fix it by screw

3/4/5. Push buttons



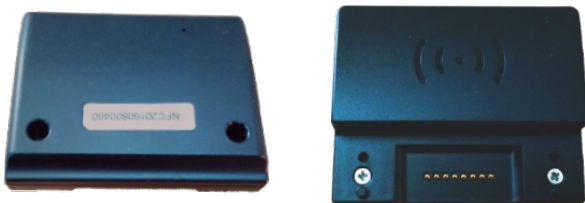
7. Expansion Slots & Add-on modules

For add-on modules like existing barcode scanner, MSR and NFC.

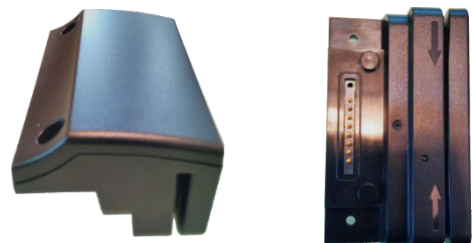


ADD-ON MODULES

NFC MODULE



MSR MODULE



INSTALLATION

1. Match position bump on module into the pit on main device
2. Fixed module on main device by screws

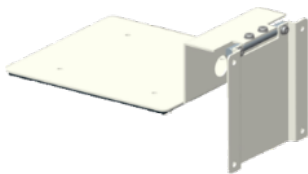


8. Speaker

Dual audio output

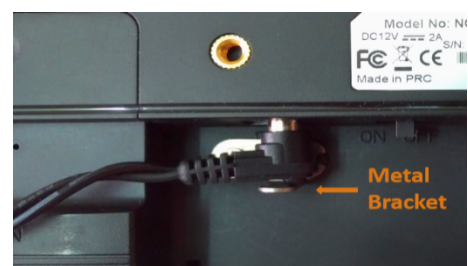


9. Vesa Mount Holes



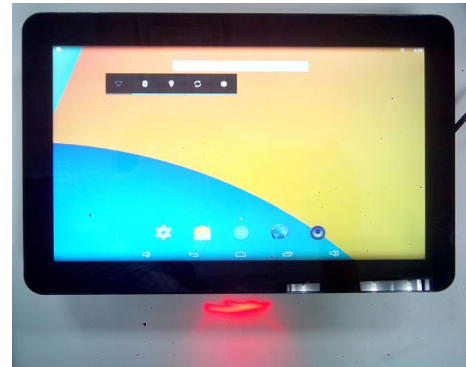
10. DC-In Jack

Plug the power adapter into the power jack, and fix the position by a small metal bracket to prevent from it loosen.



11. Barcode Scanner

Barcode engine is set up in auto mode as default setting. LED will light up when any object show in front of barcode scanner within proper distance, and barcode engine will automatically scan when a barcode showed within proper distance.



12. Control I/O ports & cover

There are control IO ports (RS-232 & GPIO) under the Control IO cover (#12 in Product Instruction). Press the cover to slide backward to open the cover, or slide forward to close the cover.



13. Generic I/O port covers

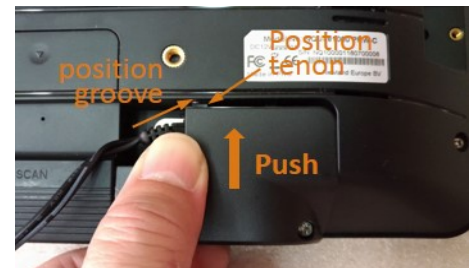
ANALYSIS OF STRUCTURE

Two pieces of covers for right cabinet and left cabinet each.



INSTALLATION

- 1) Put the hook on plastic cover into the hook groove on main device.
- 2) Leveling the plastic cover
- 3) Pushing cover forward, let positioning tenon into the positioning groove on main device
- 4) Tighten screw to fix the cover



REMOVAL

- 1) Loosen screw to release the cover.
It is not necessary to pull screw out completely to prevent from lost.
- 2) Pull cover backward horizontally.
- 3) Pull up the front end of cover to remove cover



SCENARIO

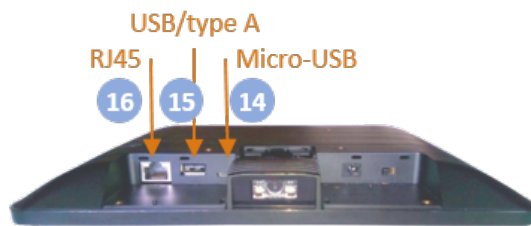
- 1) With both of covers fixed and cables



- 2) Without both covers, with cables



14/15/16 Generic I/O ports



17. Power Switch

- 1) Switch on to boot up device
- 2) Default is in **ON** while a new device and generic I/O ports cover closed.



18. Headphone audio jack



Accessory & Installation

Desktop Stand

Installation & Operation

Using screws to fix device on the upper plate via vesa holes.

There are two joints, between arm to upper plate and to standing base, can adjust the angle of device front panel.



Shelf Mount Kit

Installation & Operation

Using screws to fix device on the device mounting plate via vesa holes.

There is joint, between shelf mounting stand and device mounting plate to adjust the angle of device front panel.



Wall Mount Kit

Installation & Operation

Using screws to fix device on the device mounting metal piece via vesa holes.

Fixed the wall mounted piece on wall

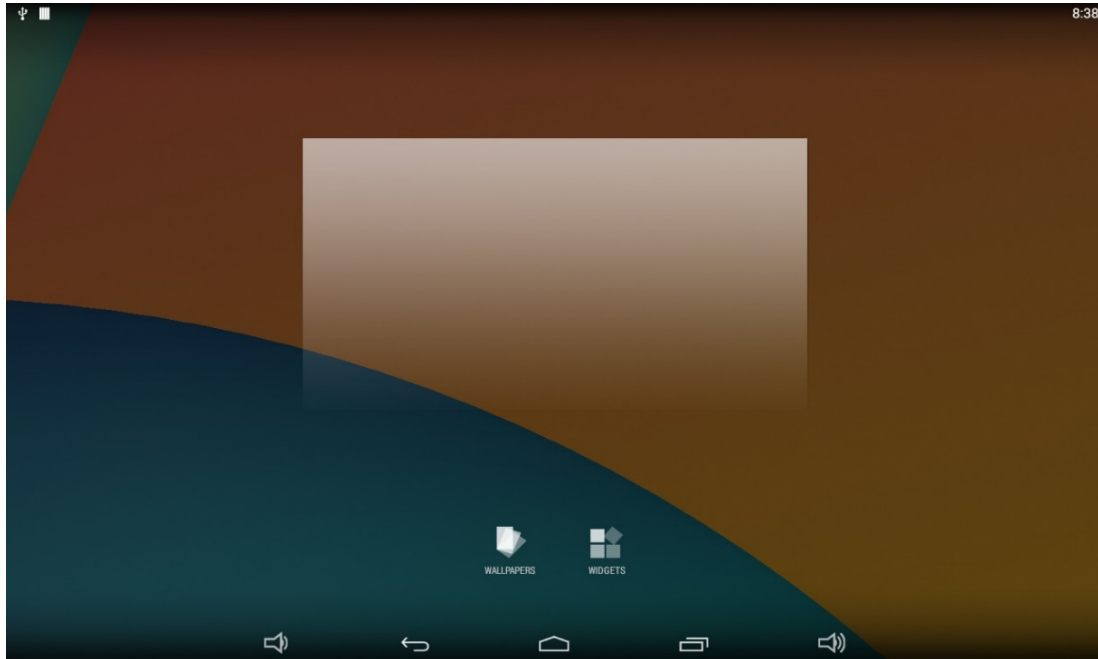
Slot the device with device mounting plate into the wall mount piece.



Feature Operation

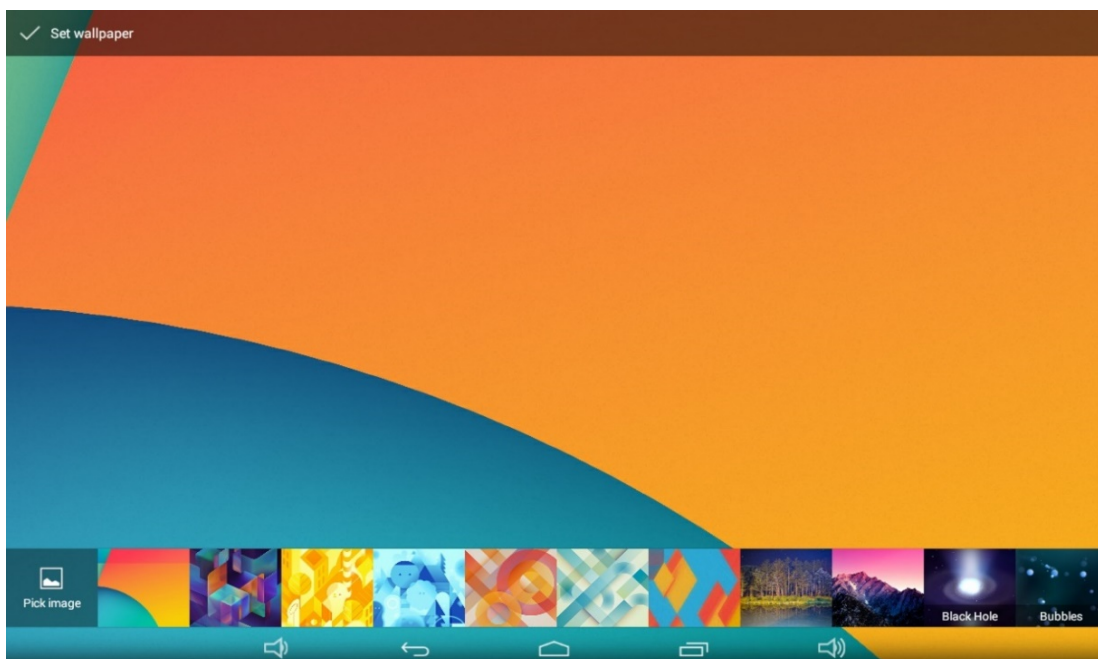
Home Screen

In the home screen, you can long-press the blank space to change the wallpaper or drag widgets to desktop.

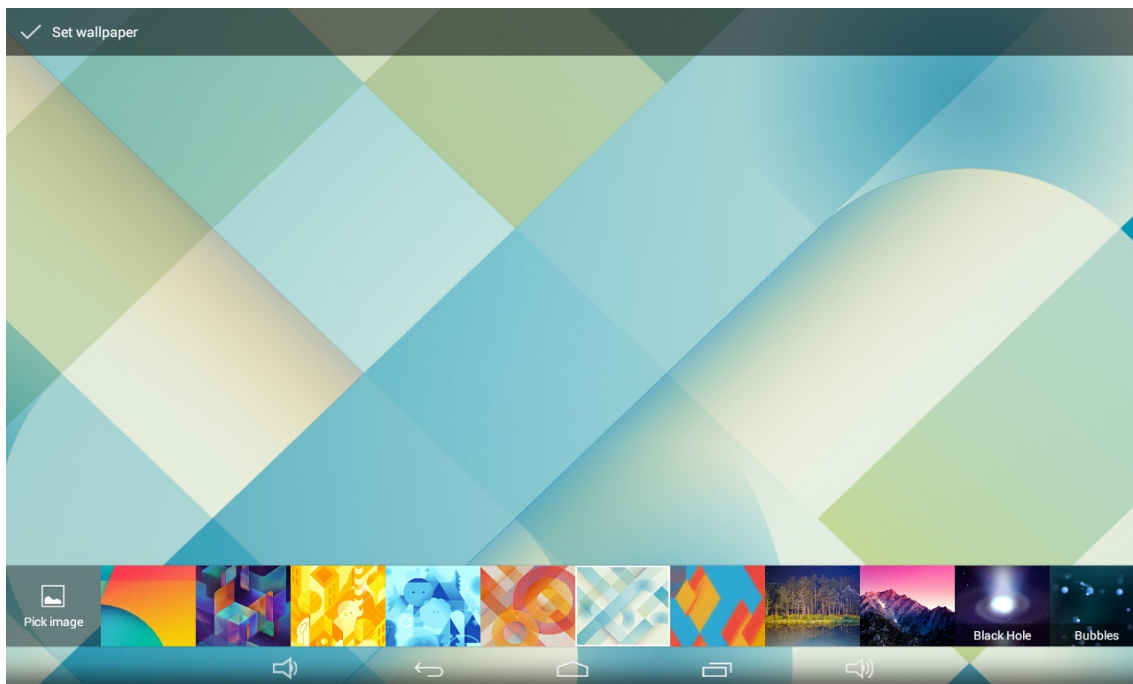


Change Wallpaper:

1. Click "WALLPAPER".



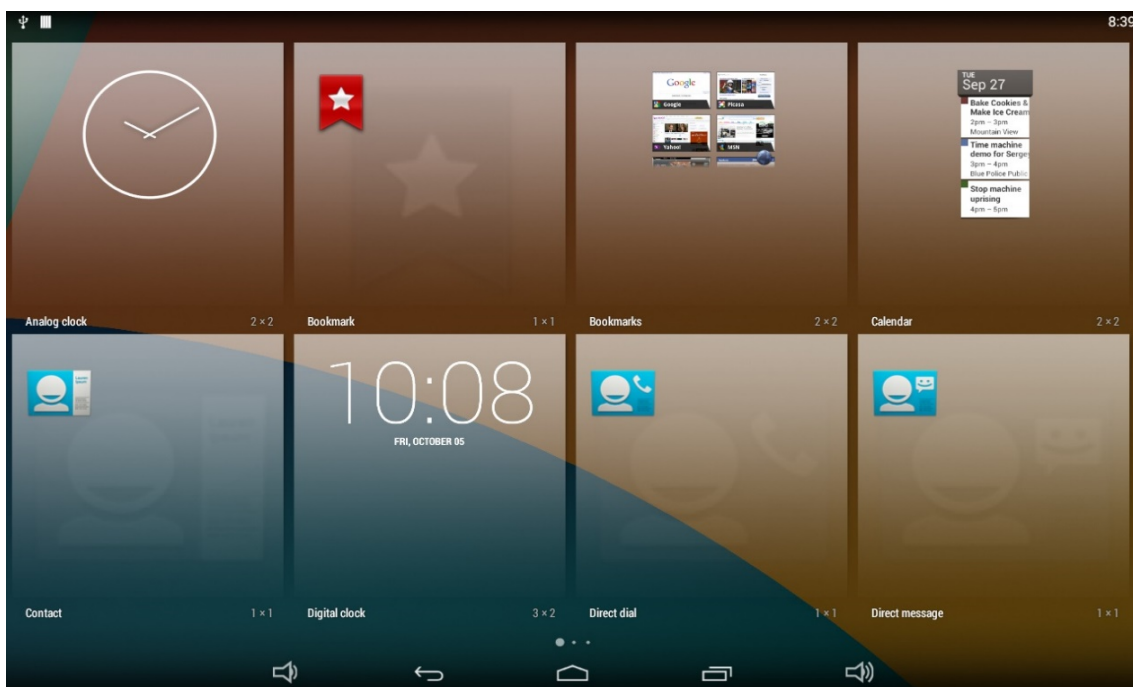
2. Select one picture from system presets or your own pictures.



3. Click “Set wallpaper” on the upper-left corner of the screen to apply the wallpaper.

Add Widgets:

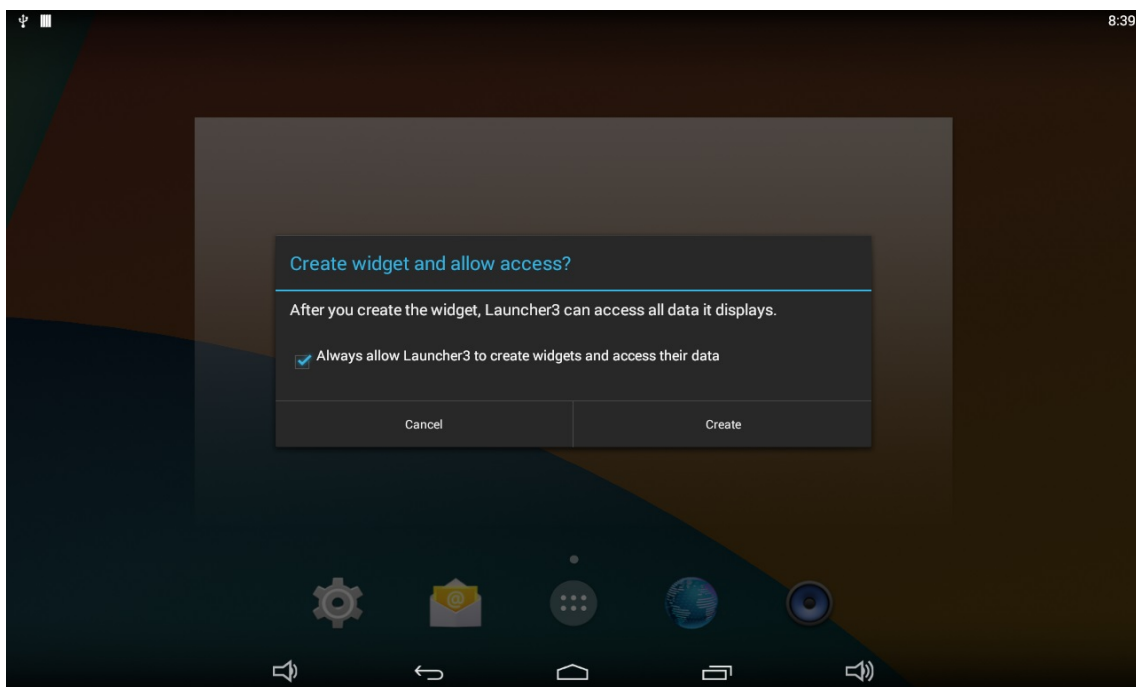
1. Click “WIDGETS”.



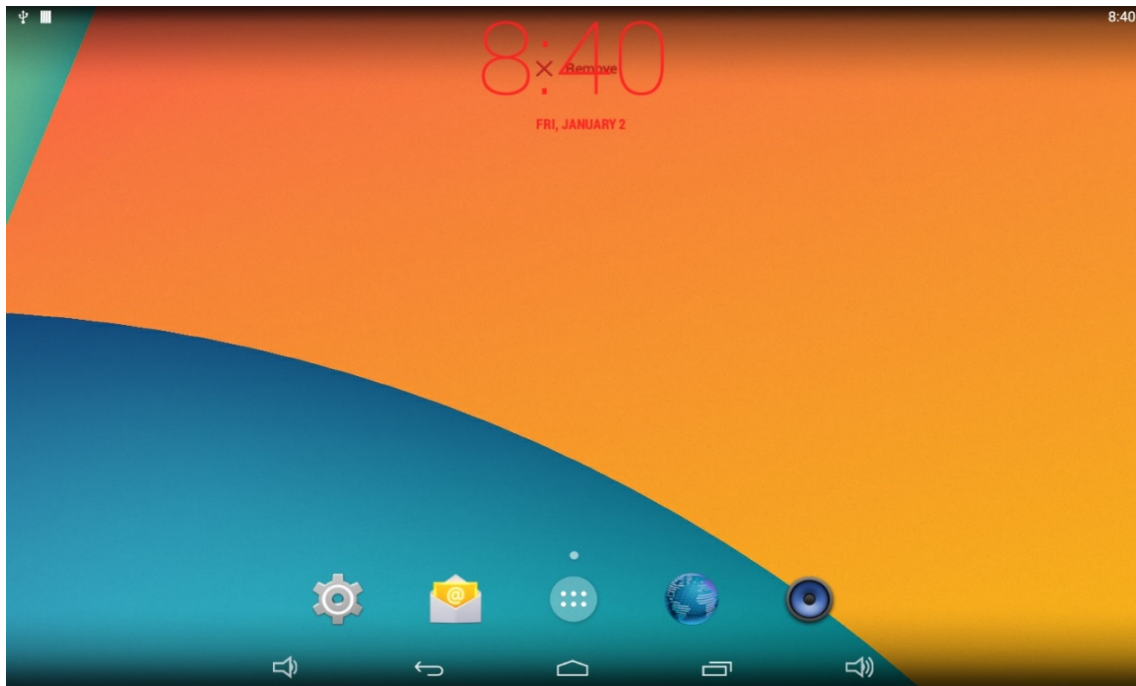
2. Long-press a widget and drag it to desktop.



3. A dialog prompts you to allow adding a widget for the first time. Check the checkbox and then click “Create”.



4. If you want to remove an icon, long-press the widget and drag it onto “×Remove” at the top of the screen and drop it until it turns red.

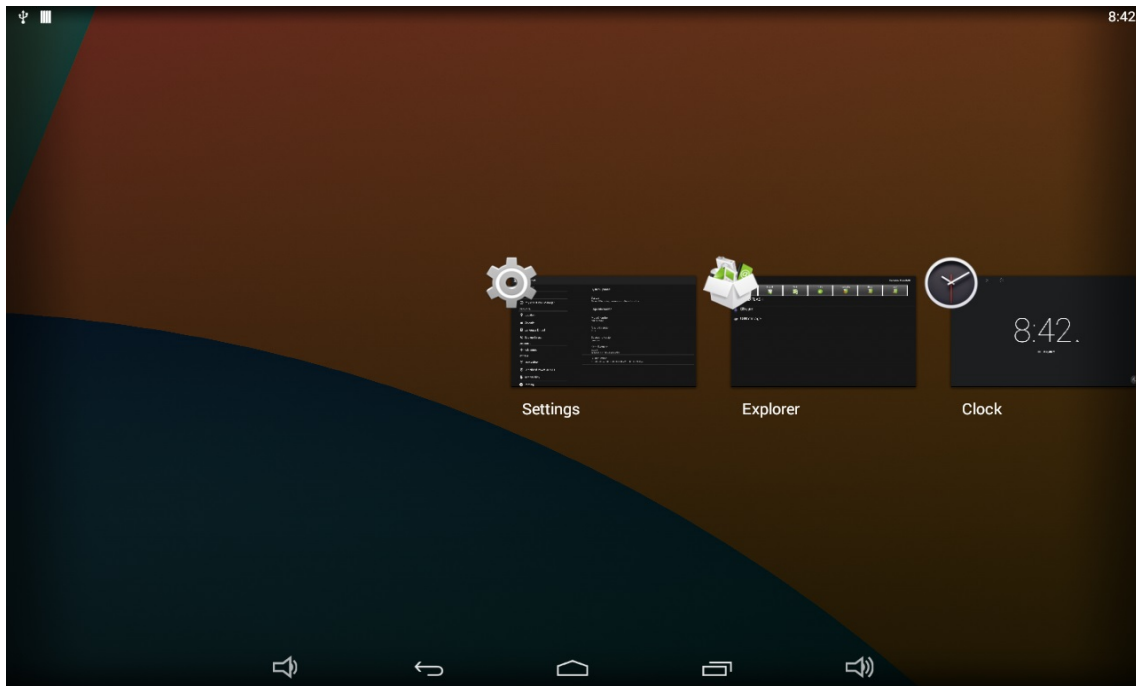


System Bar

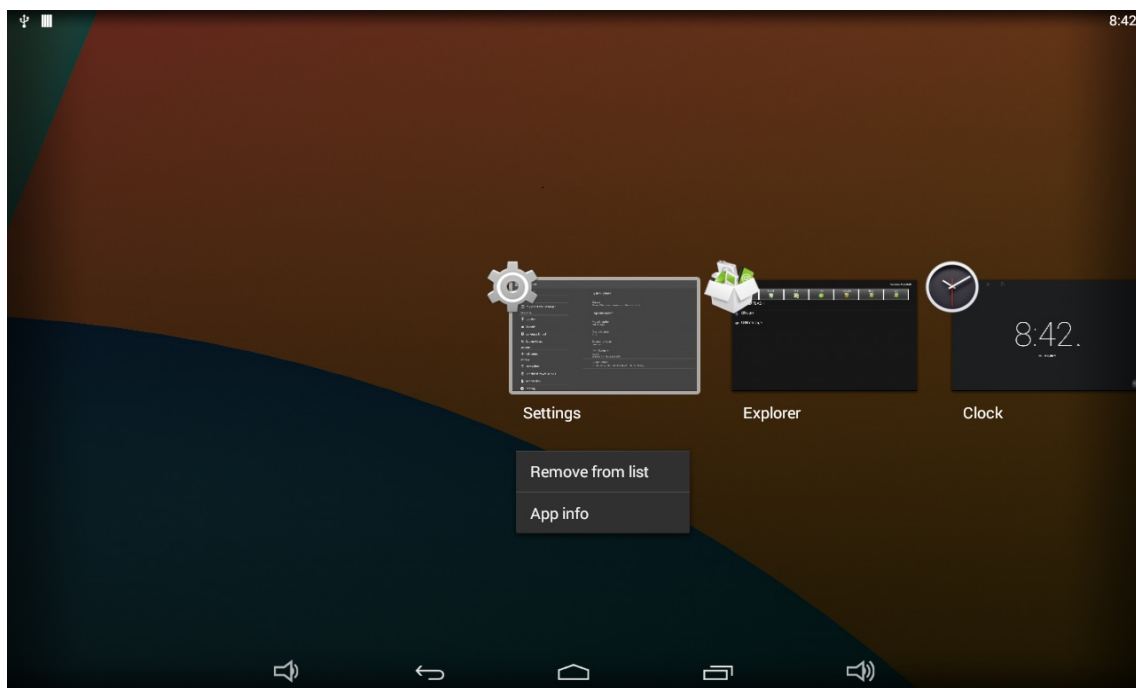
Navigation Buttons



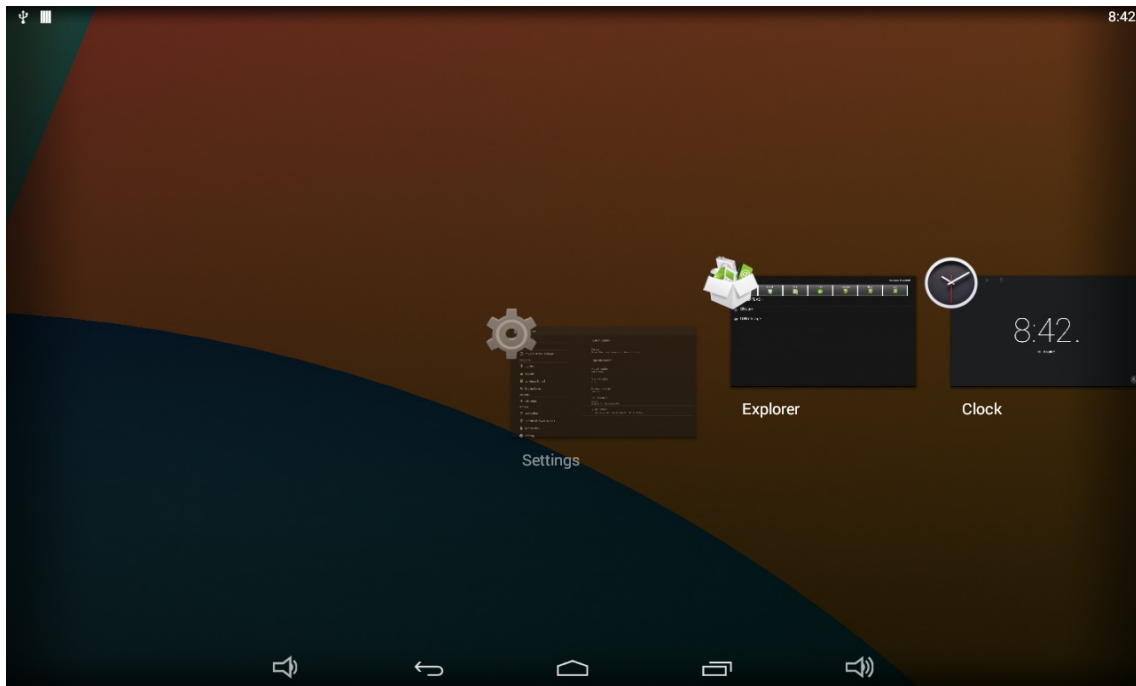
1. **Volume-:** Decrease the system volume.
2. **Back:** Return to the previous page.
3. **Home:** Return to the home screen.
4. **Recants:** Switch between recently used apps.



To remove an app from the list, you could long-press the icon to select “Remove from list”.



Or swipe the app item up or down to remove it.



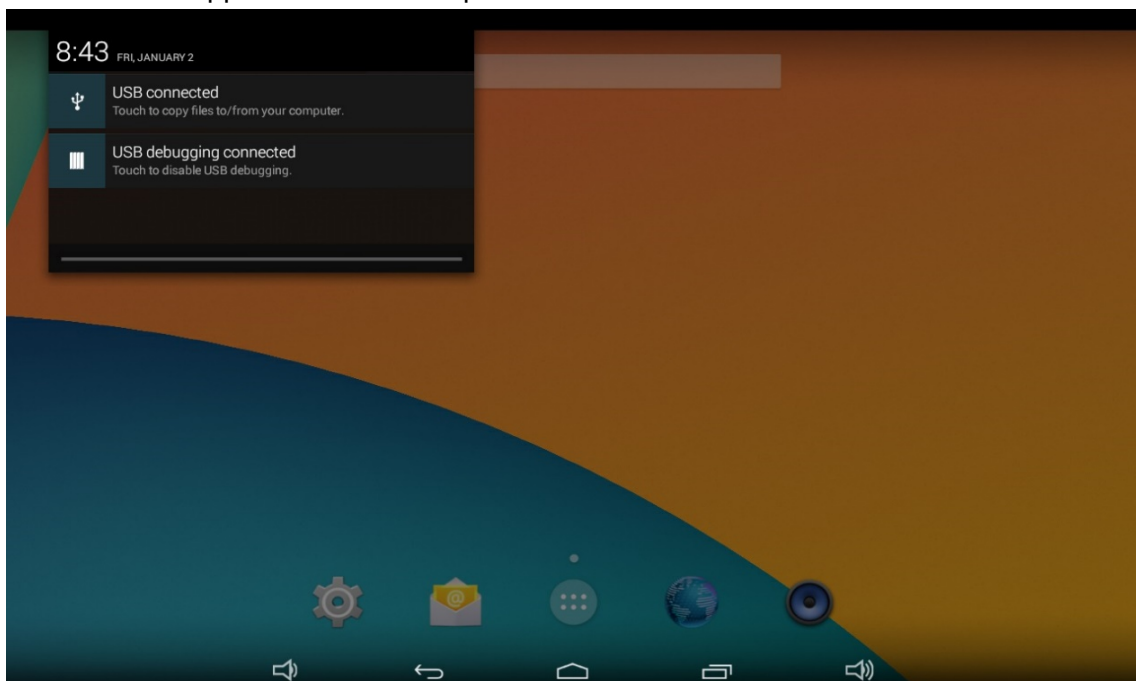
5. **Volume+**: Increase the system volume.

Status Notifications

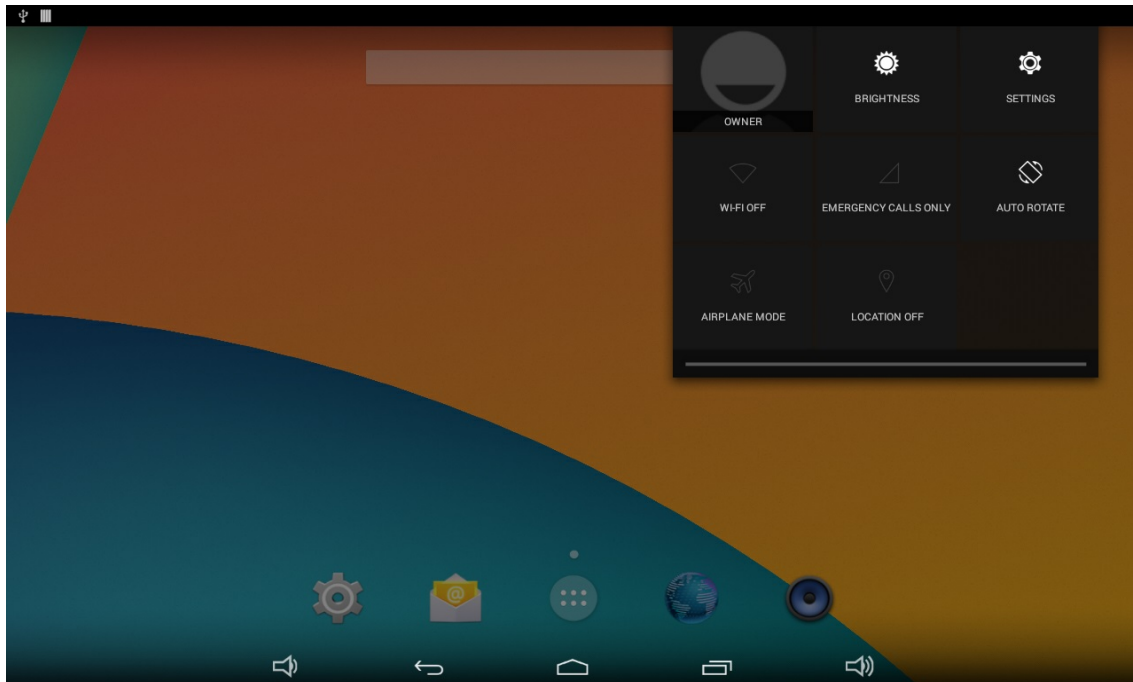


Status bar at top of the screen display system status, such as time, Wi-Fi, SD card and USB connection etc.


Pull down the upper-left corner to open the status window.

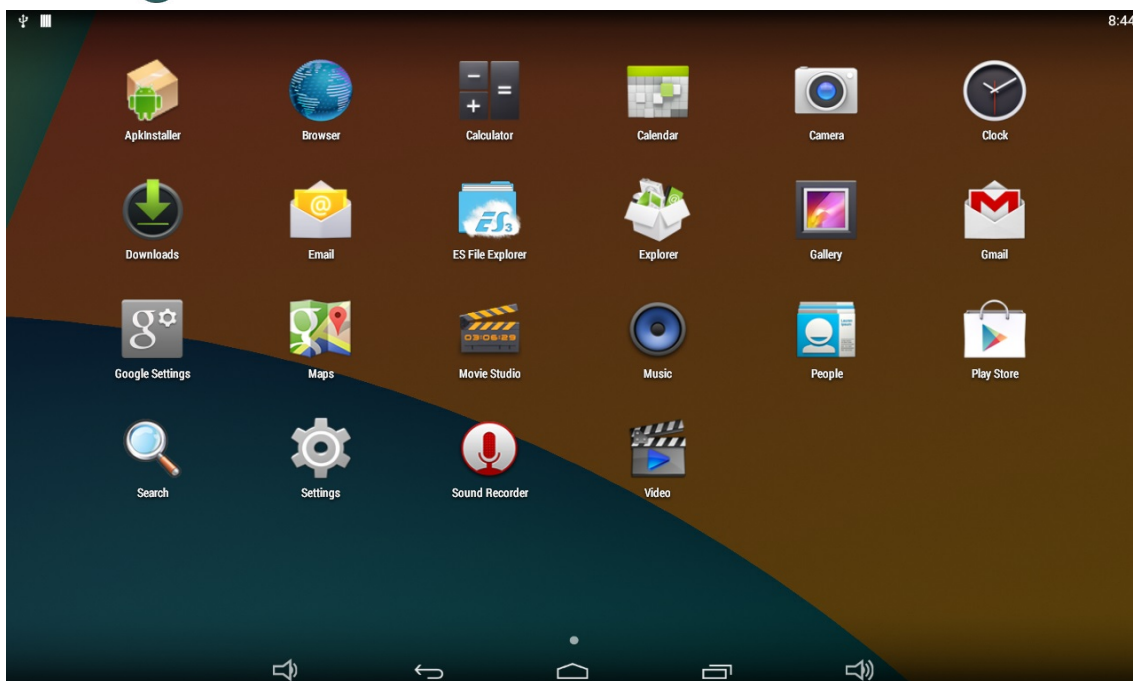


Pull down the upper-right corner to open the shortcuts window which contains brightness adjustment, Wi-Fi, auto rotate, airplane mode and location switch, and system settings entrance.



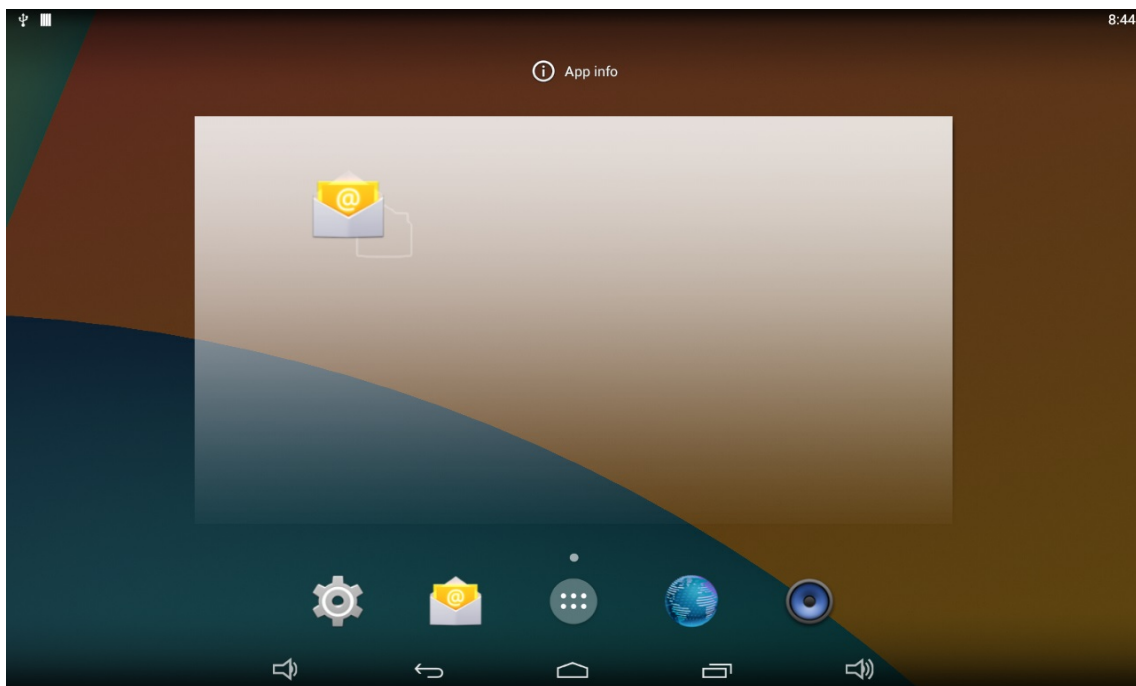
Applications

Click at  the bottom of home screen to enter the applications page.




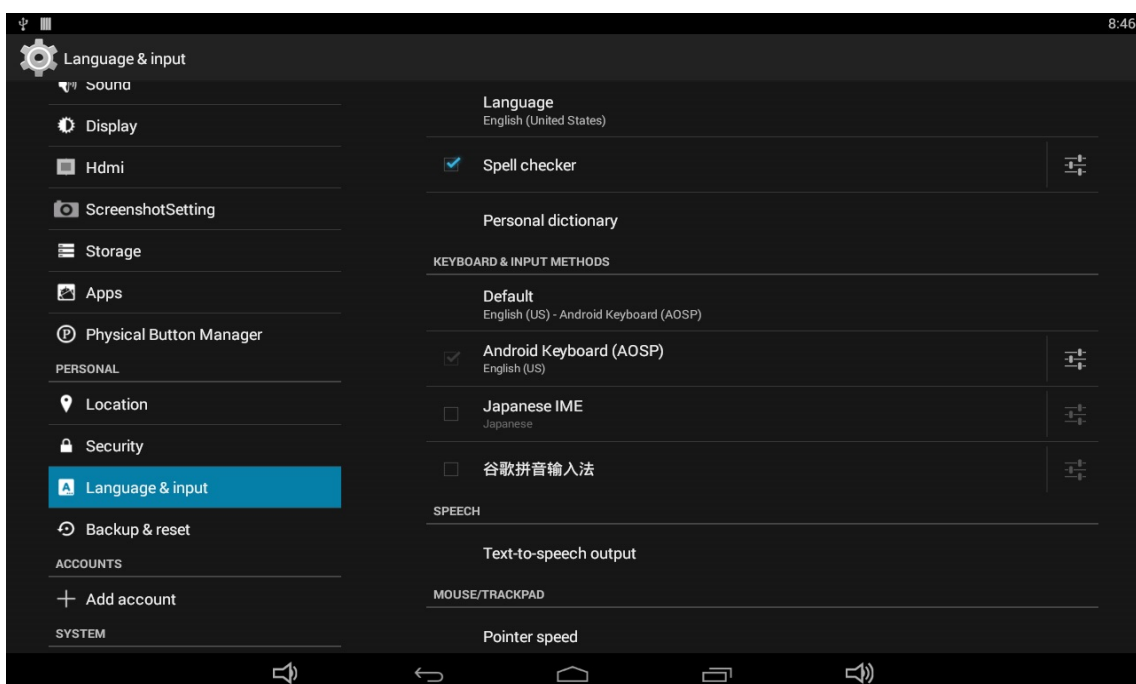
The installed applications will be shown here and you can open an app by clicking its icon.

To find an app easily, you can create a shortcut by long-pressing of the icon and drag it to the home screen.

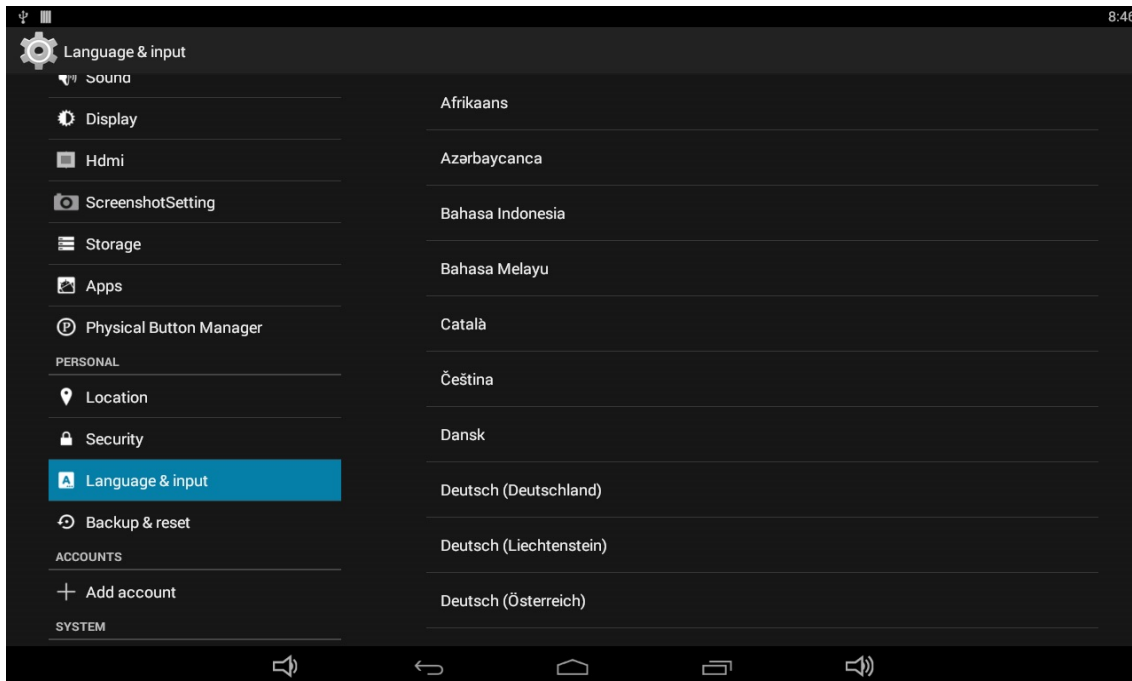


Language


In the App list, click “**Settings**”  to open the system setting app, and select the option “**Language & input**”.

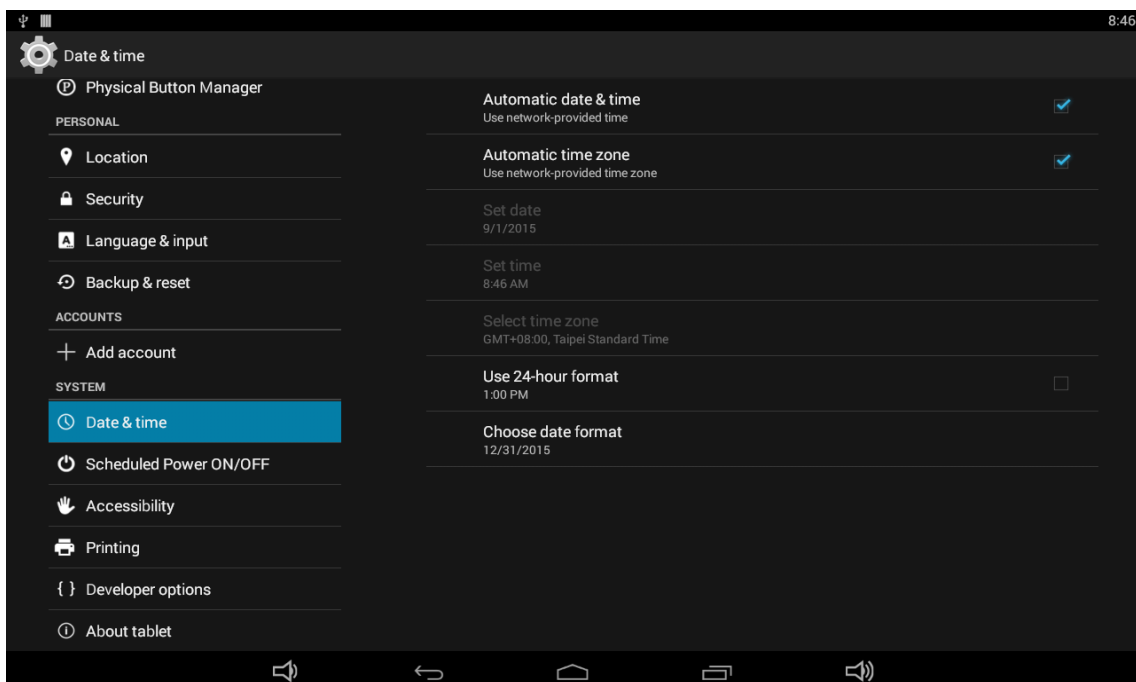


Click the first option “**Language**” under “**Language & input**”, and then you can change the system language according to your preference.



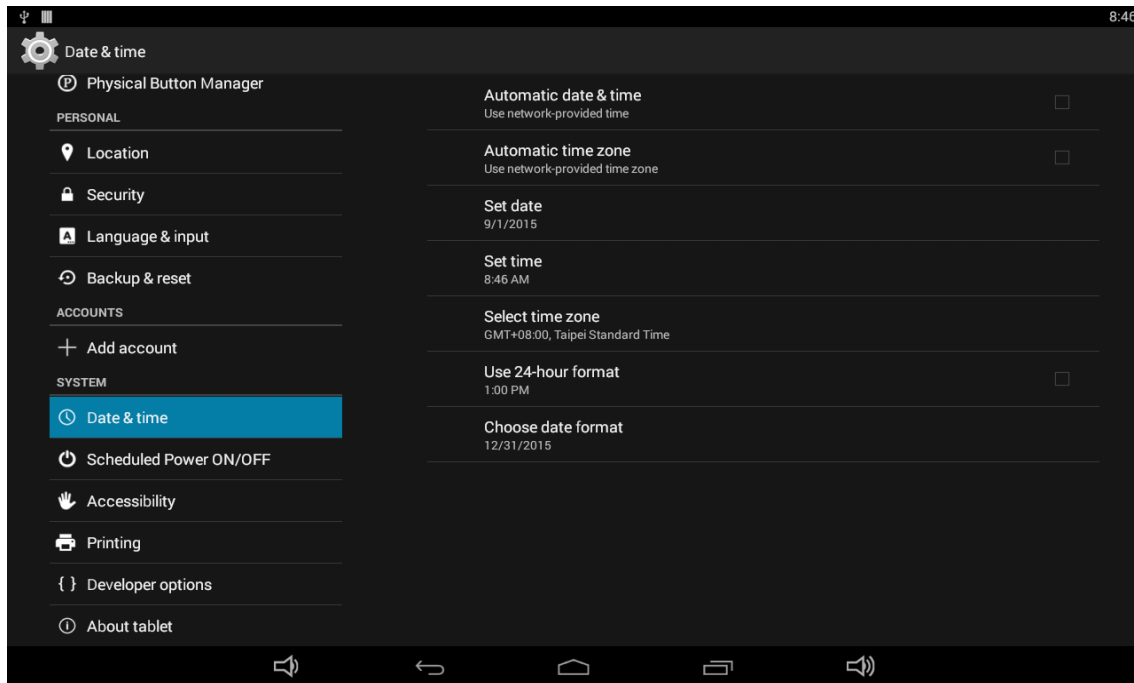
Date & Time

In the App list, click “**Settings**”  to open the system setting app, and select the option “**Date & time**”.





If you enabled the option “**Automatic date & time**” under “**Date & time**”, system date and time will be synchronized automatically with network time when you connected a Wi-Fi network.

To set the time manually, you need to disable “**Automatic date & time**” and “**Automatic time zone**”.



In this option, you can also set time zone, time notation and date format.

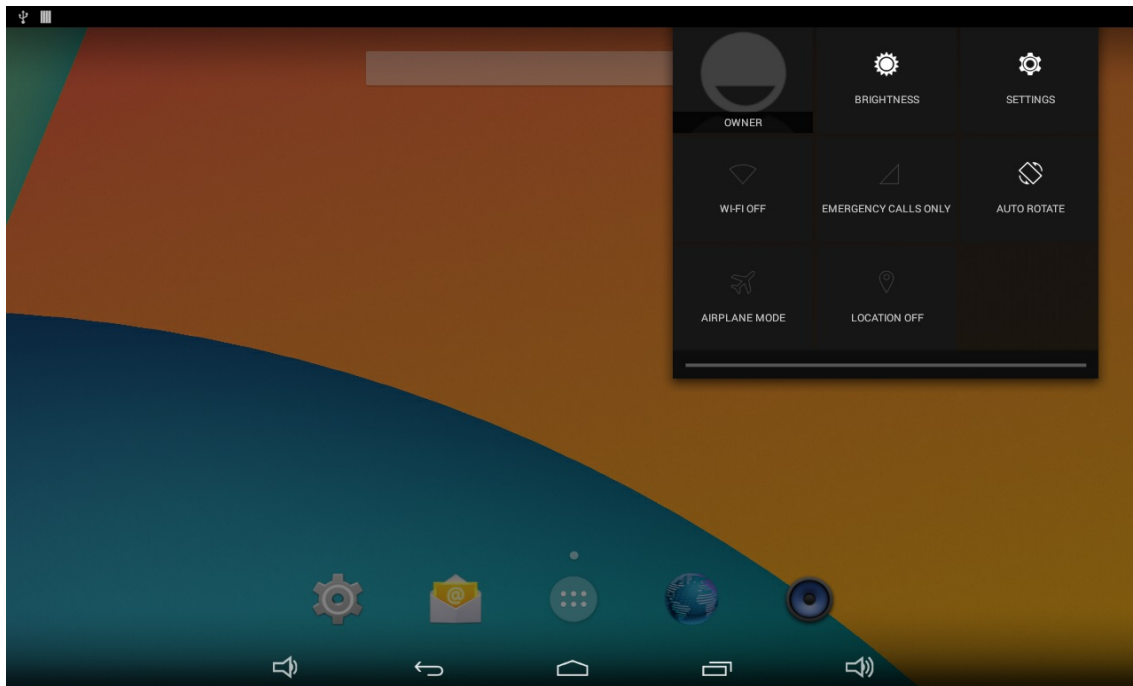
Volume

On the system bar, click the **Volume-** icon  to decrease the system volume, and click the **Volume+** icon  to increase the system volume.

Or you can press the function keys (#5 in Product Instruction) on the top of the product to adjust the volume.

Brightness

Pull down the upper-right corner of the screen to open the shortcuts window, and then click “Brightness”.




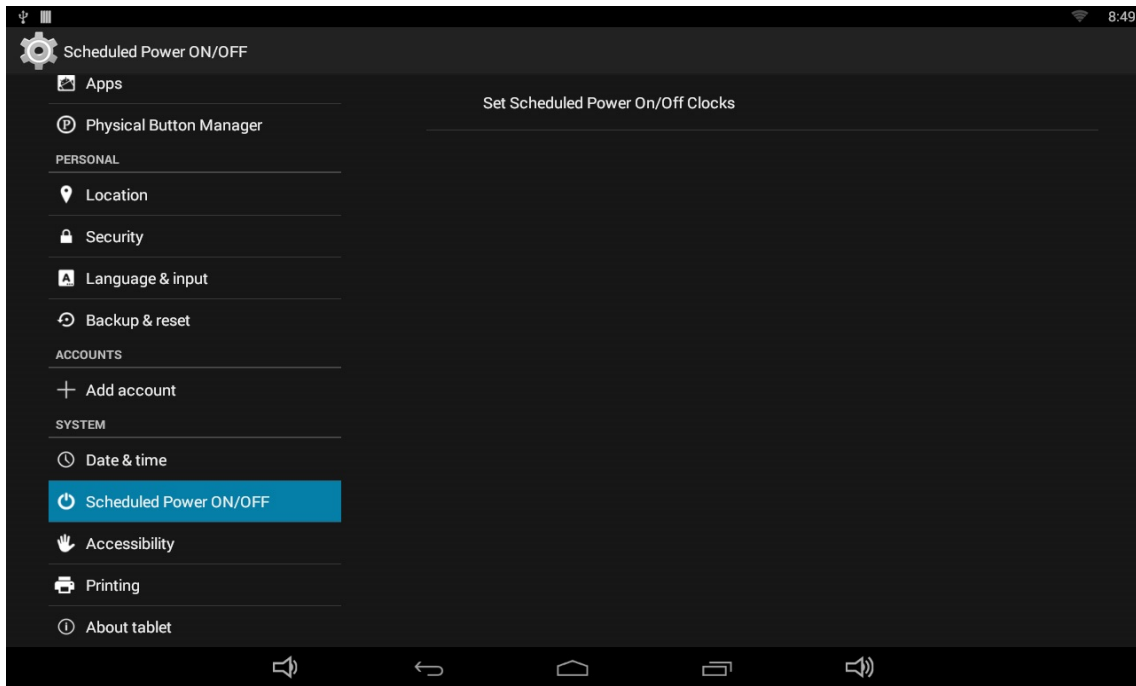
Slide the brightness button to adjust the brightness of the screen, or turn on **Auto** switch to automatically adjust the display's brightness to the appropriate level for the current ambient light.



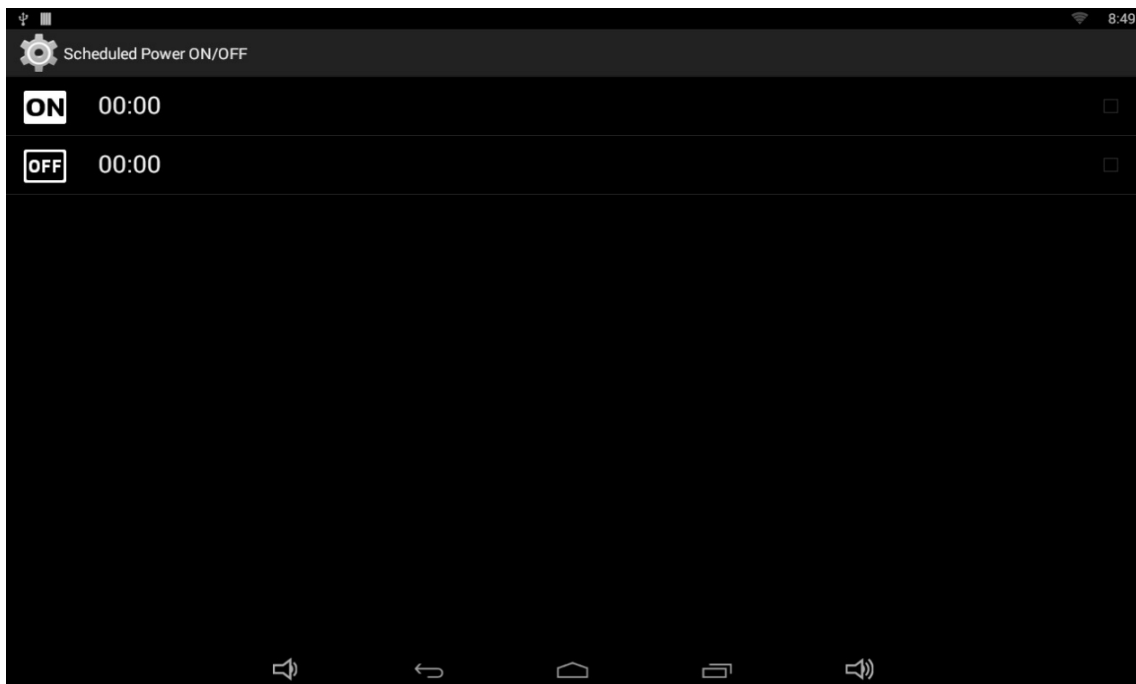
Scheduled Power On/Off

This function is used to power the device on and off automatically at the set time.

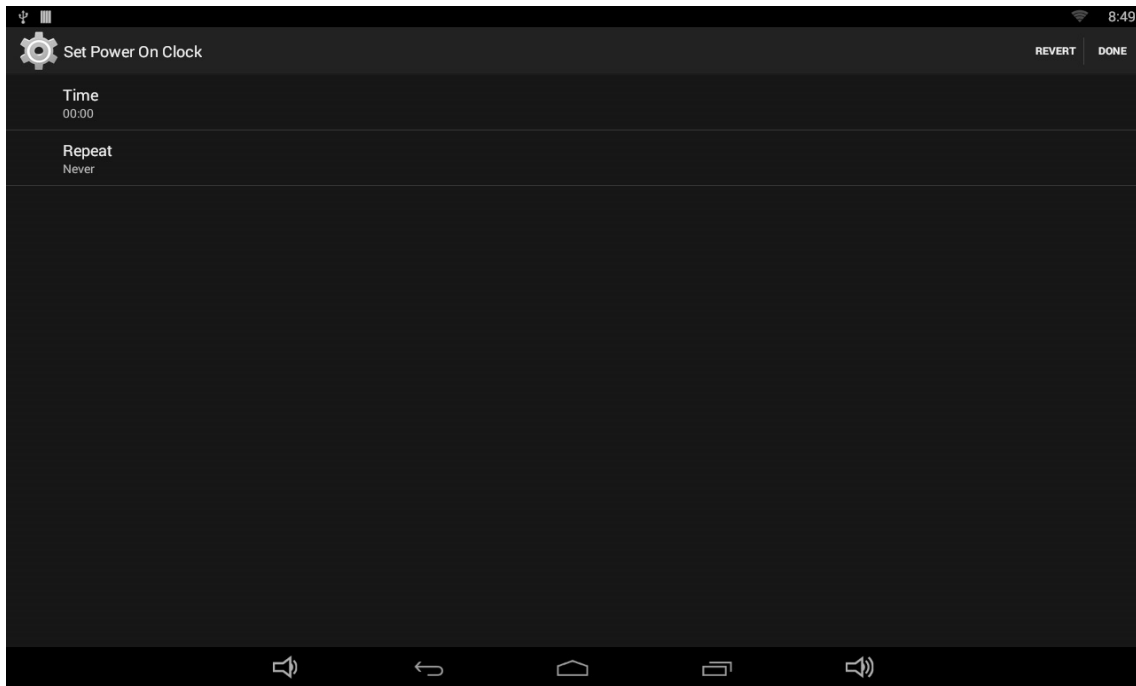
In the App list, click “**Settings**”  to open the system setting app, and select the option “**Scheduled Power ON/OFF**”.



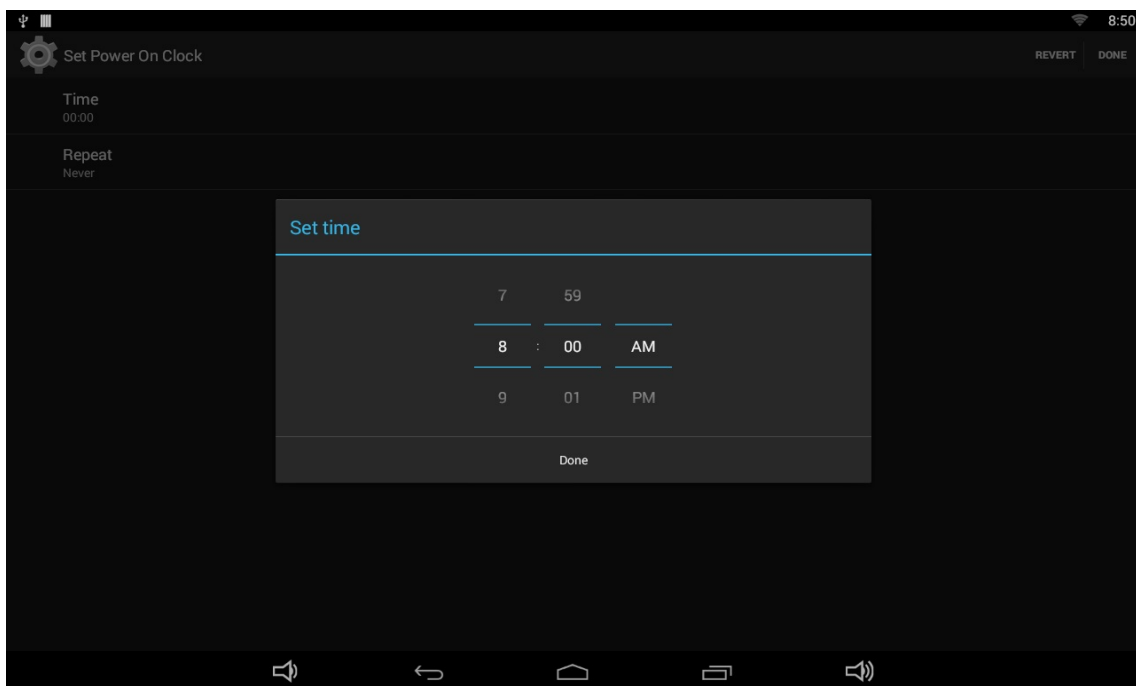
Click the single option **“Set Scheduled Power On/Off Clocks”**.



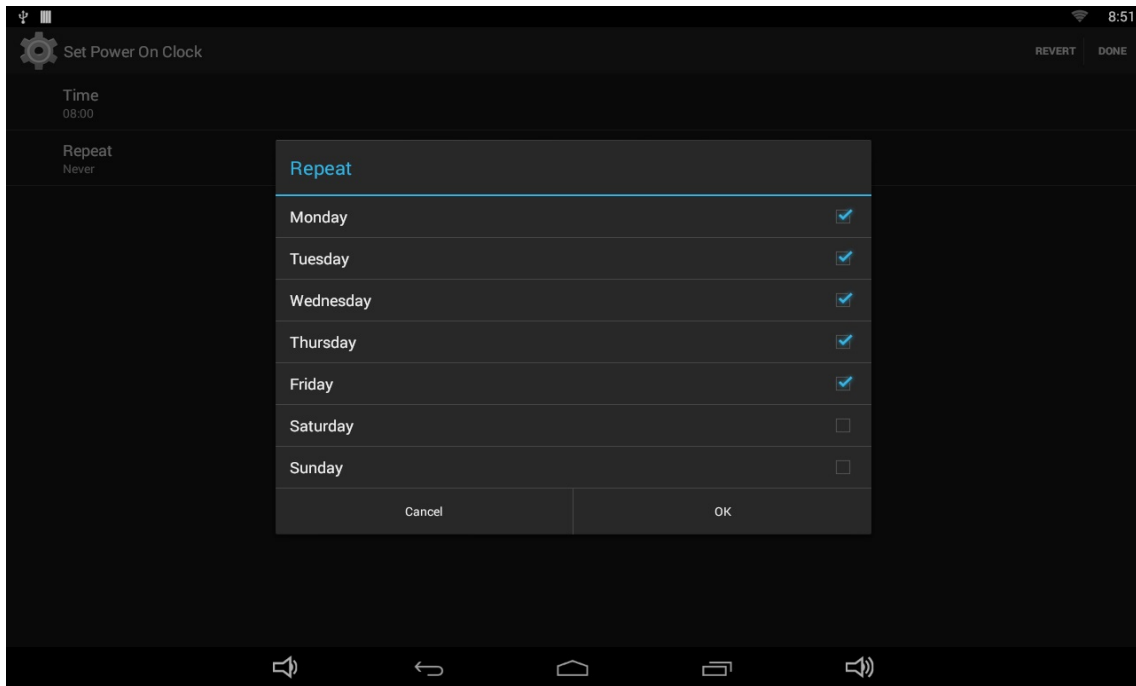
The top row is for power on clocks, and the following row is for power off clocks. Click the top row to enter the settings of power on clocks.



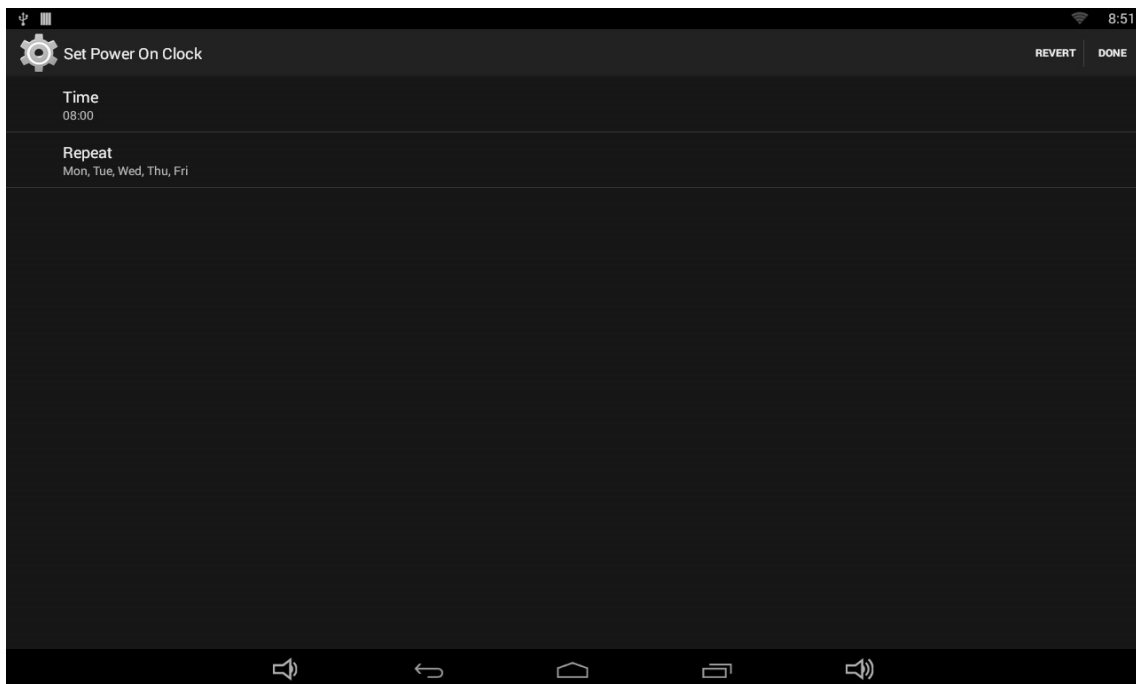
Click the option “**Time**” to set the power on time of this device.



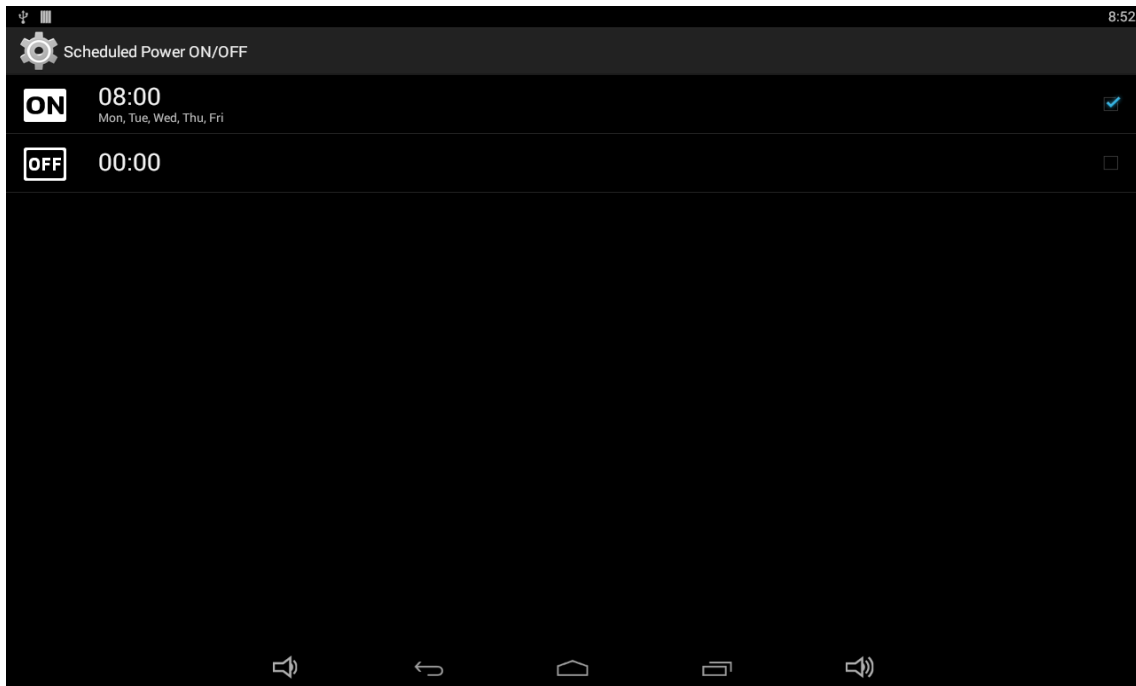
Click the option “**Repeat**” to select the days which will power on this device at the set time.



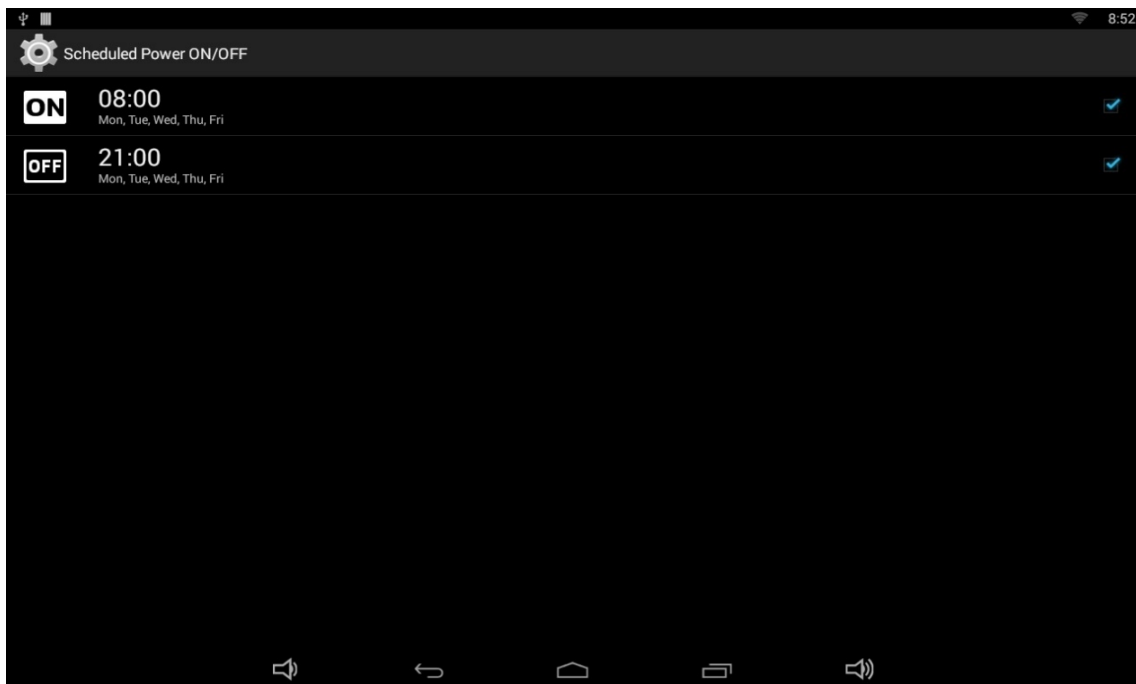
After setting, click **“Done”** at the upper-right corner of the screen to save them.



You will see the power on option changed after saving the settings.




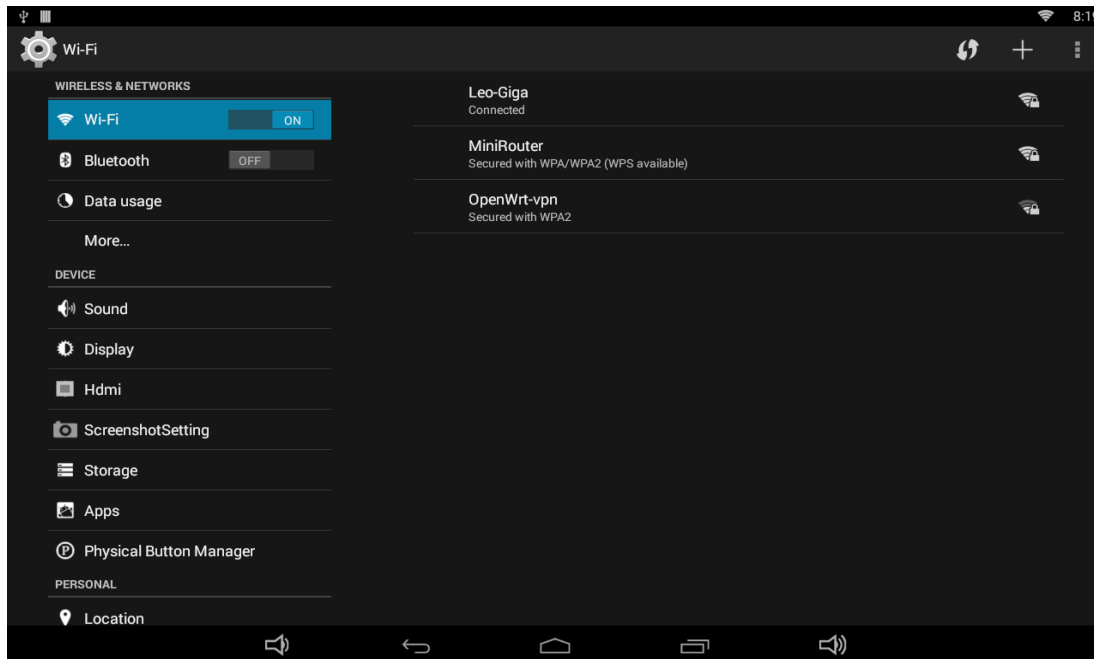
For power off clocks, you can set them as same as power on clocks.



After the settings, the device will be powered off at set time, and powered on again when achieves the appointed time.


Wi-Fi

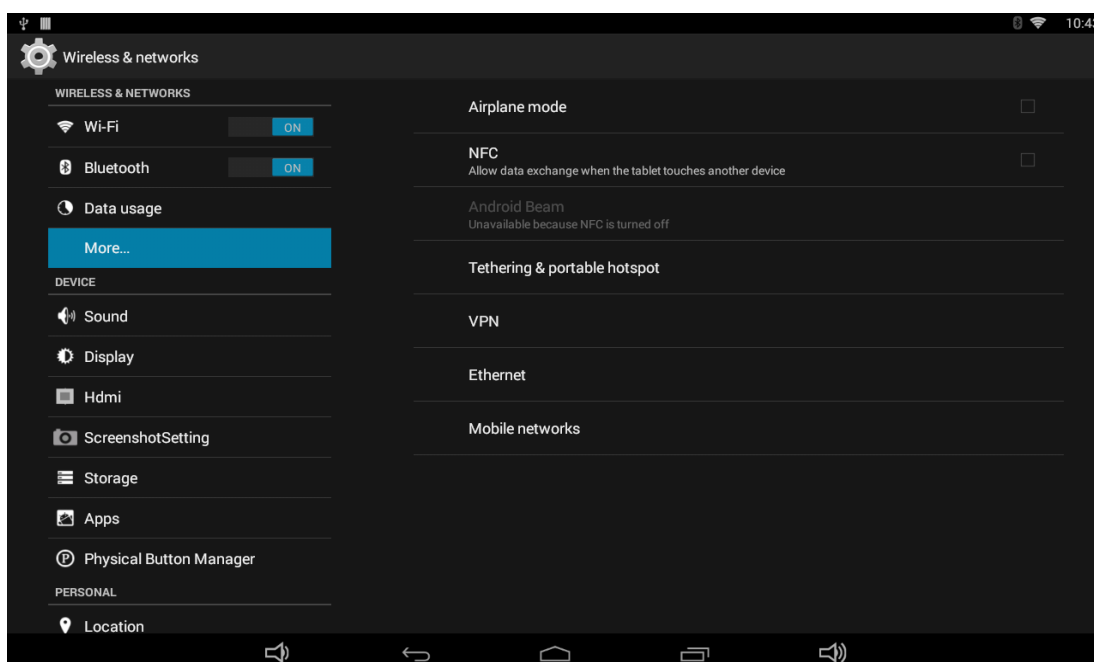
In App list, click “**Settings**”  to open system setting, and select the option “**Wi-Fi**”.



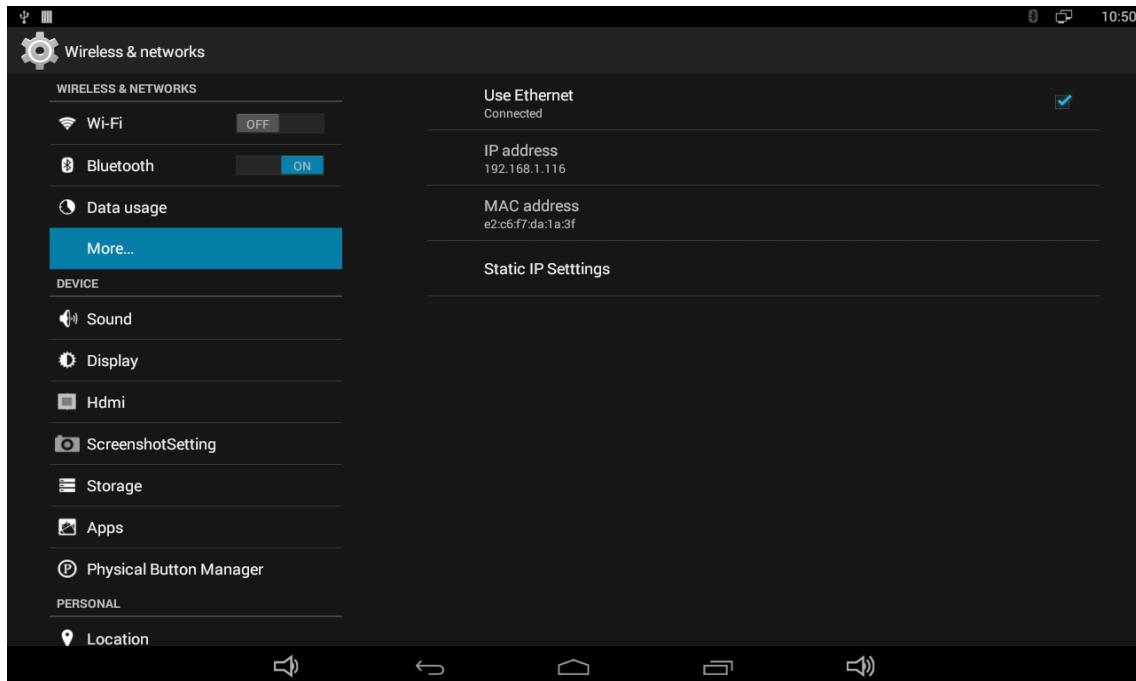
Switch the Wi-Fi button to **ON**. The product will scan available wireless networks automatically. Select a network under Wi-Fi networks and input the password to connect.

Ethernet

In the App list, click “**Settings**”  to open the system setting app, select the option “**More**”, and then select “**Ethernet**” at the right side.




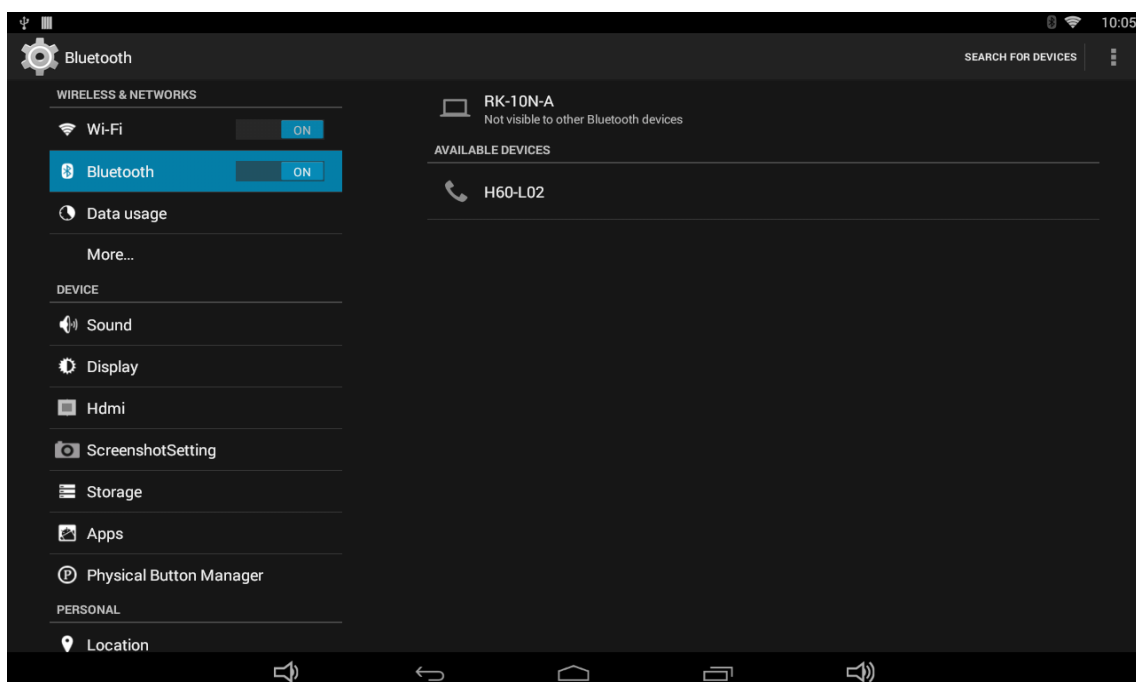
Check “Use Ethernet” and plug the Internet cable into the Ethernet port (#14 in Product Instruction). If Wi-Fi is on, please turn off Wi-Fi to allow Ethernet working.



If you are Static IP user, please set the configurations manually.

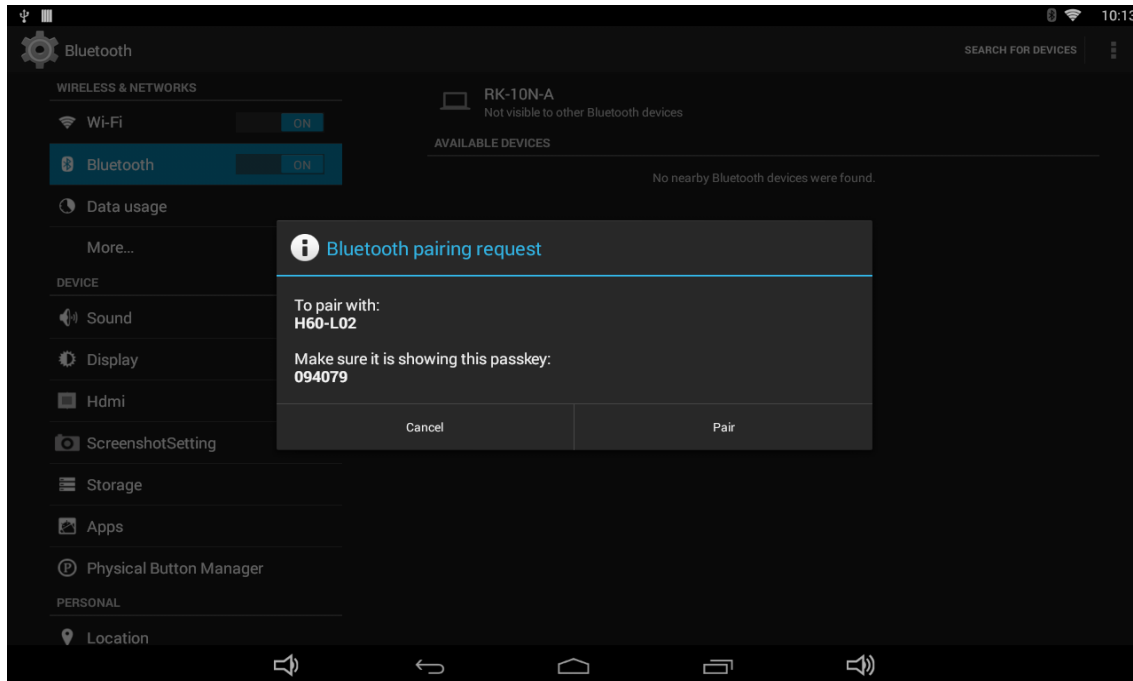
Bluetooth

In the App list, click “Settings”  to open the system setting app, and select the option “Bluetooth”.

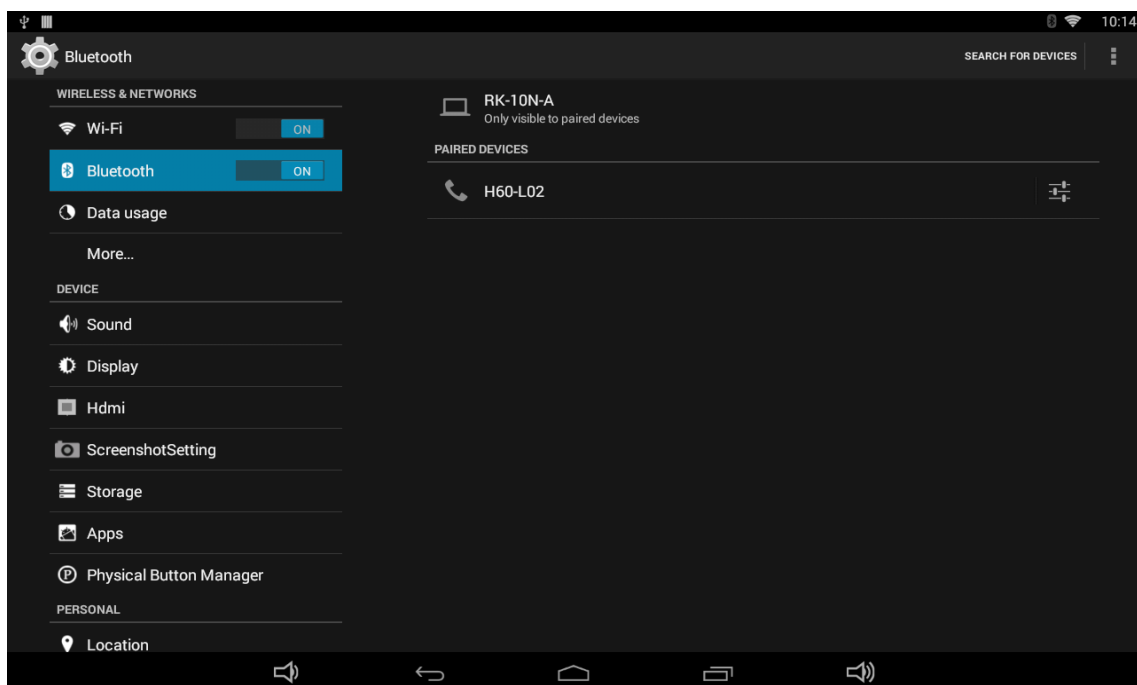


Switch the Bluetooth button to **ON**. The product will scan ambient available Bluetooth devices automatically.

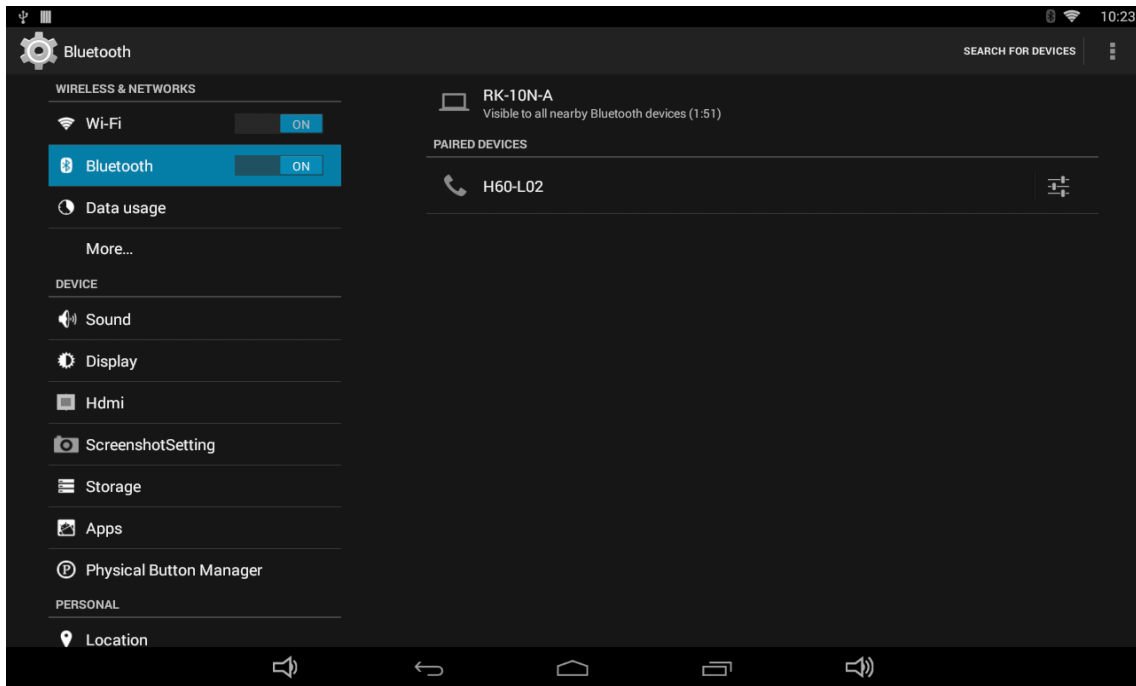
If you want to pair another Bluetooth device, select it from the “Available Devices” list, and then click “Pair” in the pop-up window. At the same time, click “Pair” in the pop-up window of the Bluetooth device to be paired.



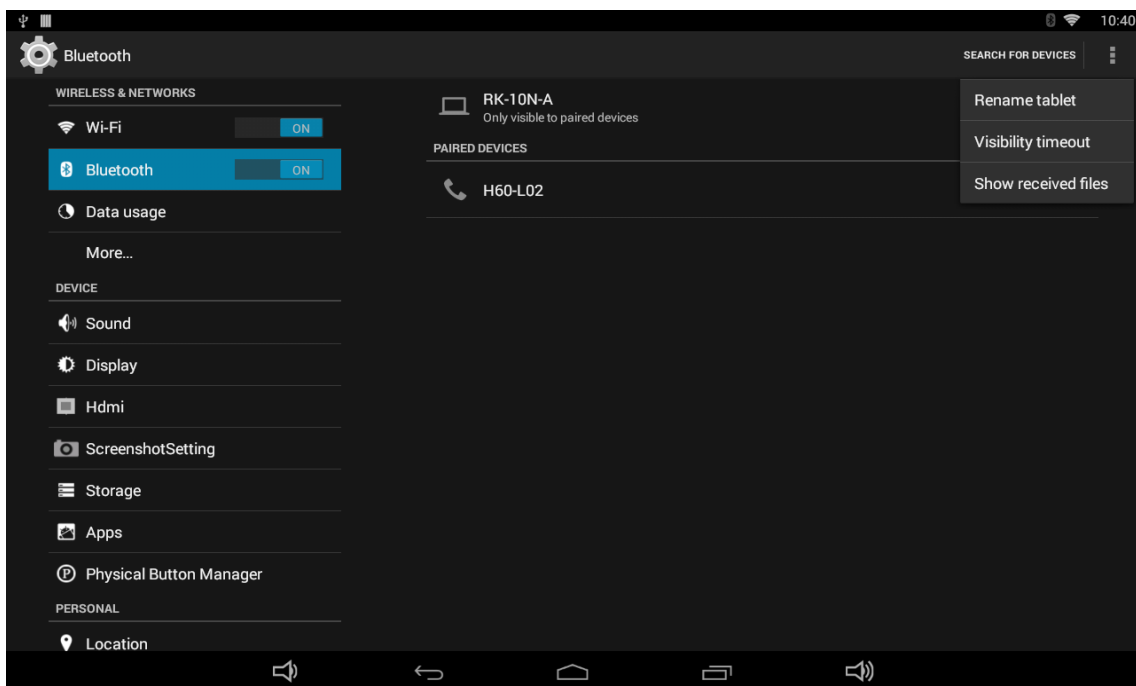
After pairing, the paired device will be moved to the “Paired Devices” list.



If you want to be paired by another Bluetooth device passively, click the Bluetooth name at the top. When the summary changed to “Visible to all nearby Bluetooth devices (Visibility timeout)”, this Bluetooth name can be scanned by other Bluetooth devices until the countdown to the end.



The Bluetooth name and visibility timeout can be changed in the menu.

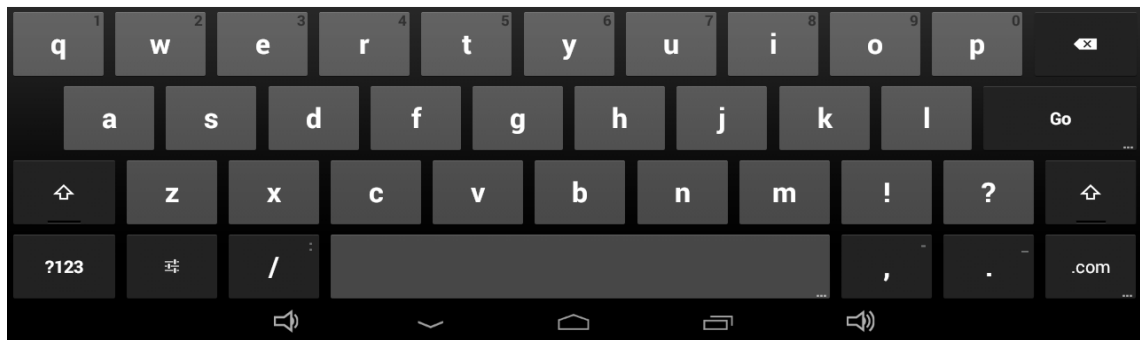


Virtual Keyboard

The device provides a virtual keyboard for typing. You can use it as a real one.

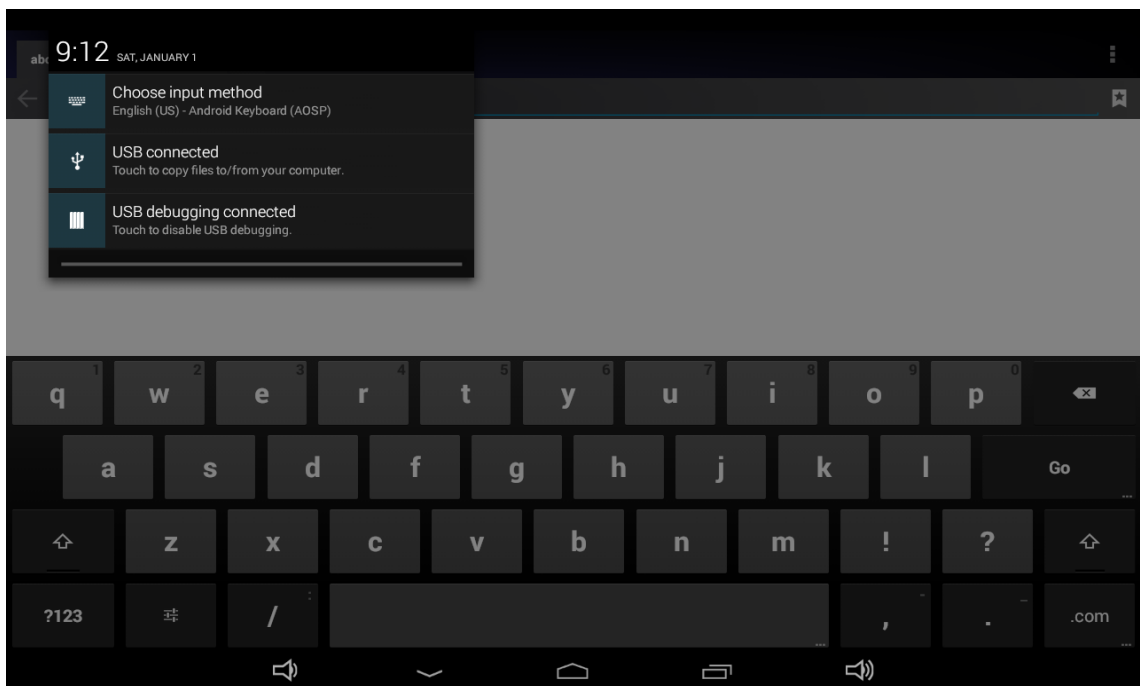
When you click in a text input box, the virtual keyboard will appear at the bottom of the screen.

To collapse the virtual keyboard, you can click the icon  in the system bar.

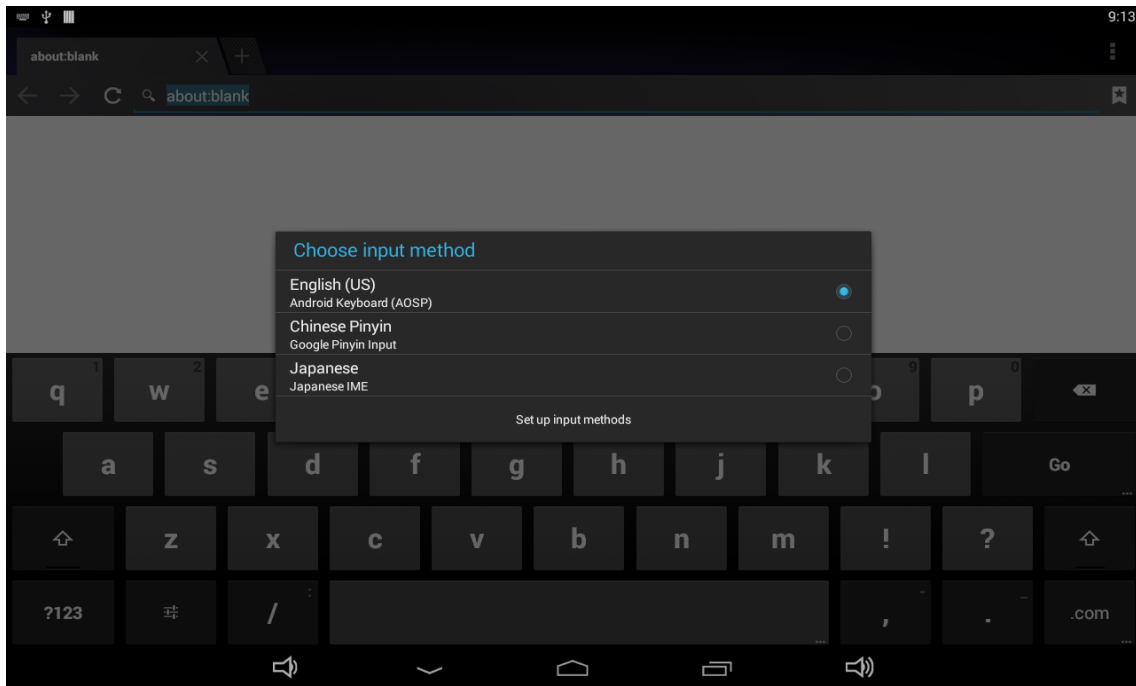


Switch Input Methods

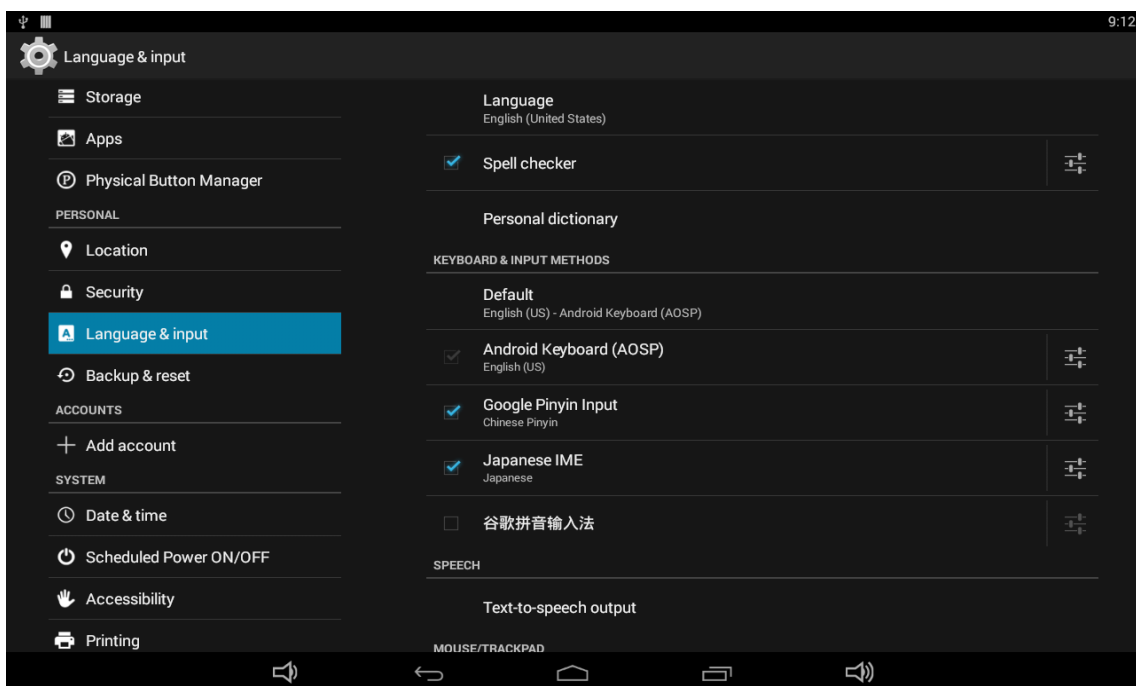
In any text input box, pull down the upper-left corner of the screen to see the status window, and click “**Choose input method**”.




Select an input method from the pop window.



If the keyboard icon is invisible, please check whether the installed input method is selected in the “**Language & input**” option under the system setting app.




Take Photos & Shots

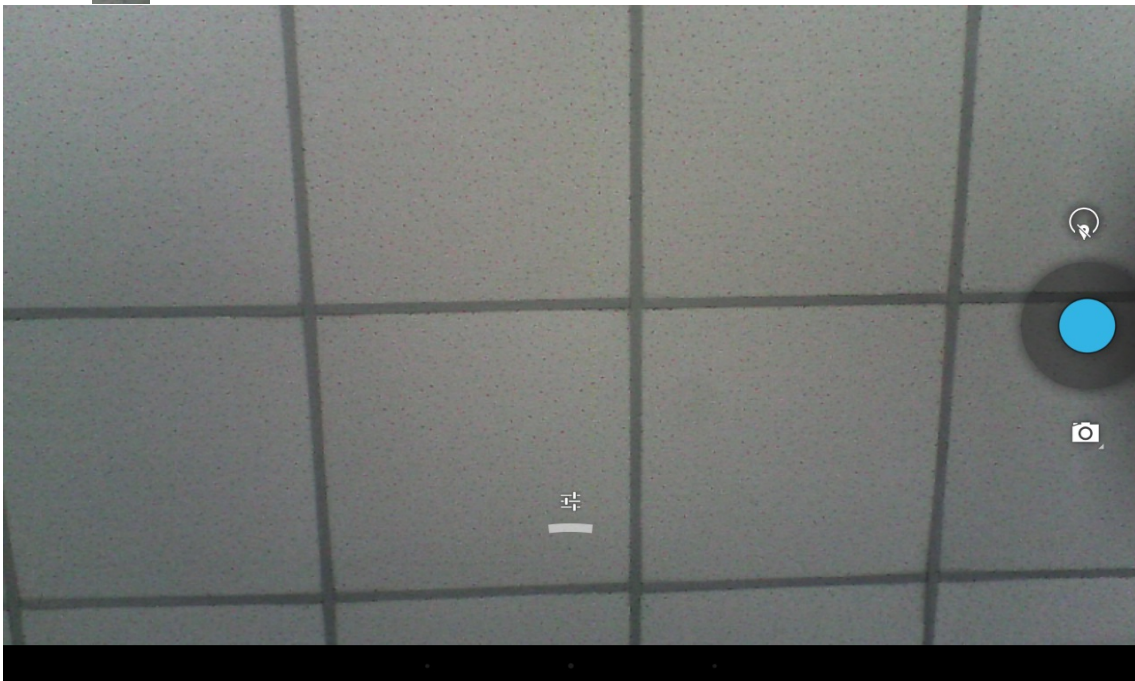
Front 2M pixels camera is an  optional accessory.


In the App list, open “**Camera**”

Click the capture button  to take a photo.

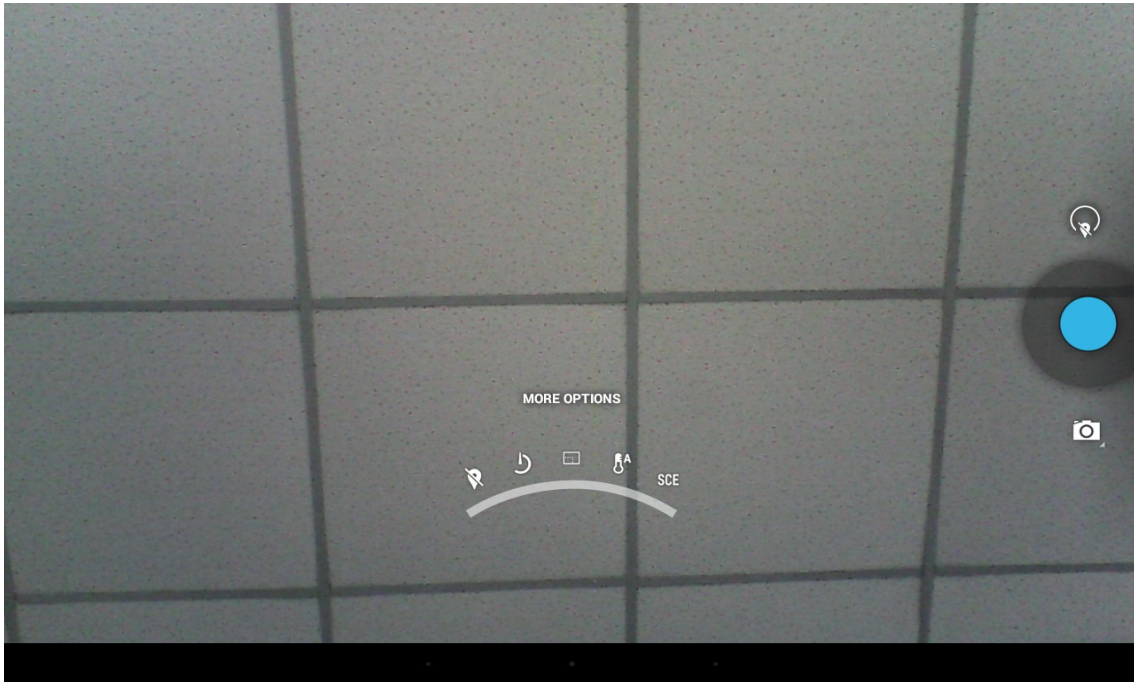




Click  above the capture button to change camera settings.



Click  to open detail settings.

From left to right in the picture are: location on/off, countdown timer, picture size, white balance, and scene mode.




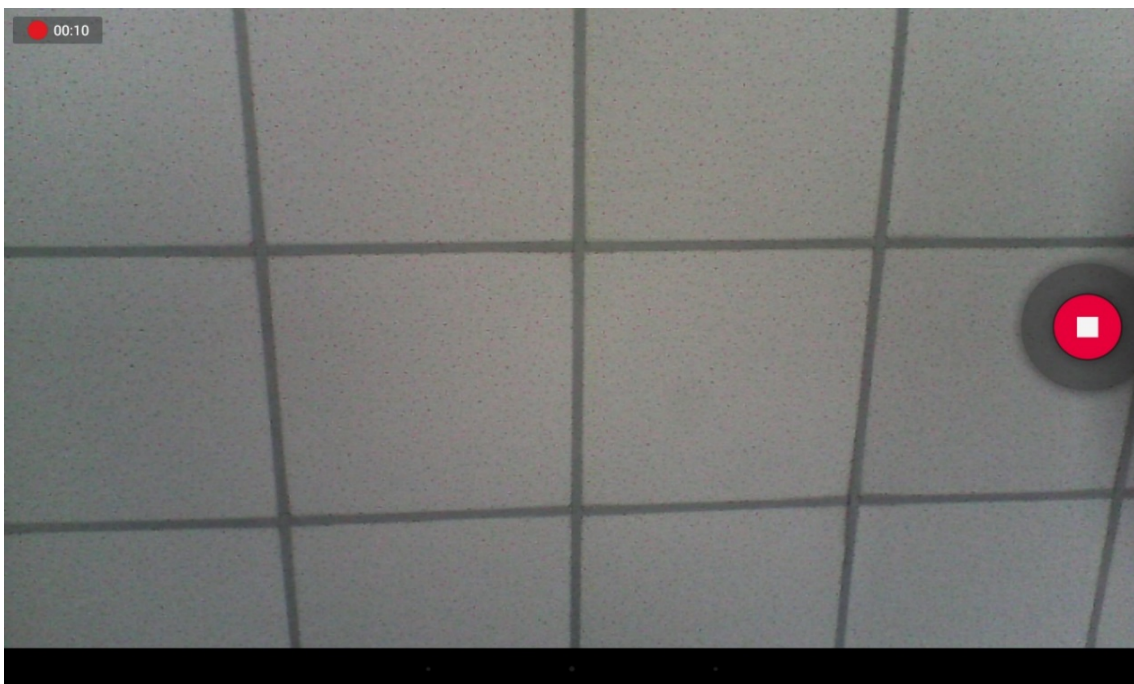
Click  or  under the capture button to switch take photos or videos.



Click the capture button  to shooting a video



Click the capture button  to stop the shot.




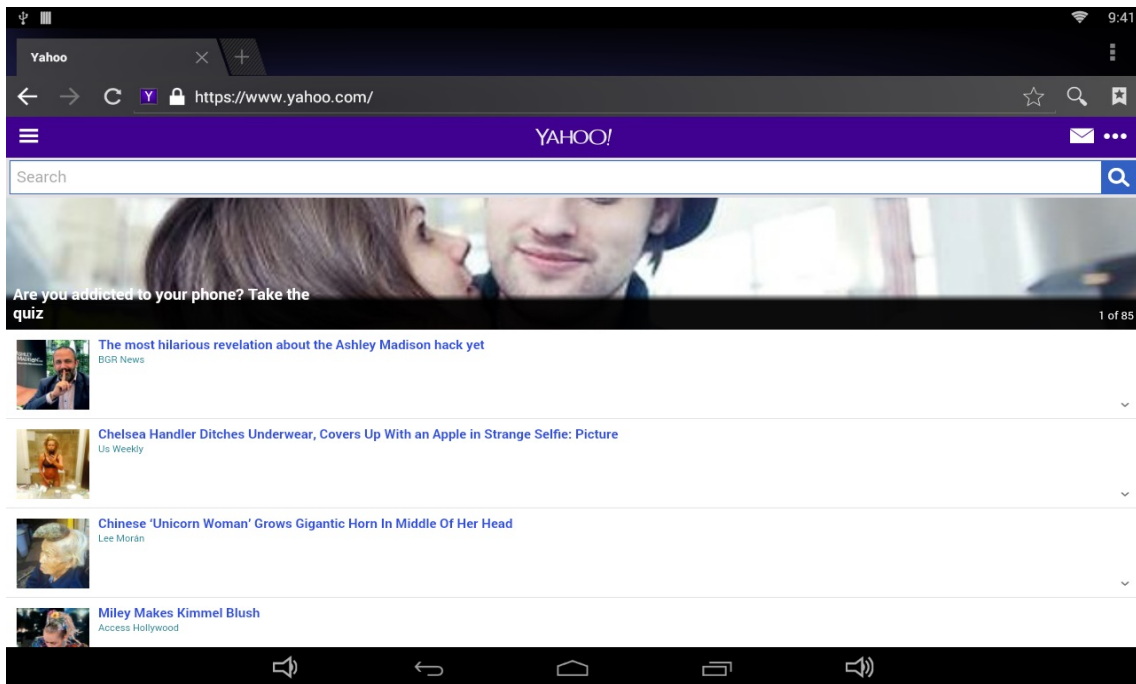
Surf Online

In the App list, open “**Browser**”



When connecting the device to a network, you can visit websites, play online media or download files via the browser.

In a browser window, enter in a URL in the address bar and click **“Go”** in the virtual keyboard to go. You can also click  to add new tabs to make multiple tabs opened simultaneously.

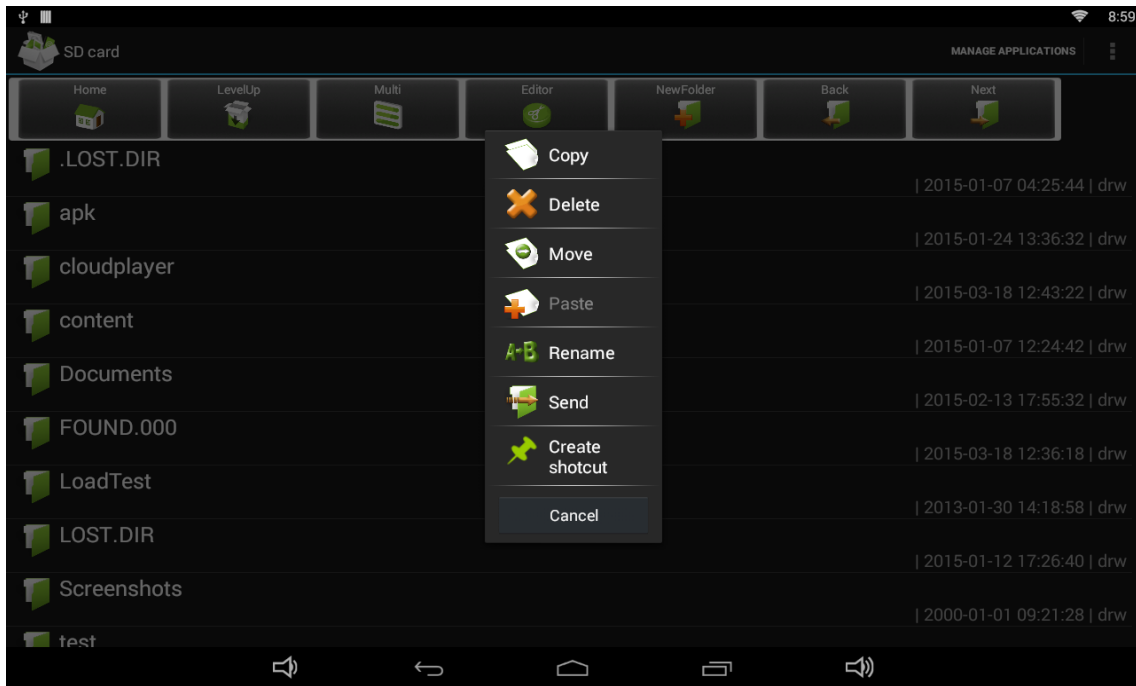


Browse Files

In the App list, open **“Explorer”**  to view local files.



Long-press a file or folder to do file operations, such as copy, delete, move (cut), paste, rename, send (share) and create shortcut.



To select several files/folders, click “Multi” in the menu, then select files/folders. The selected files/folders will be highlighted in blue.



Click “Editor” in the menu to operate the selected files/folders.

Play Media

With the provided apps, you can play your media files on your storage, such as pictures, music and videos.



Picture Player:

Support JPG, BMP, GIF.



Music Player:

Support MP2, WMA, WAV, AAC, OGG, ASF.




Video Player:

Support MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV.

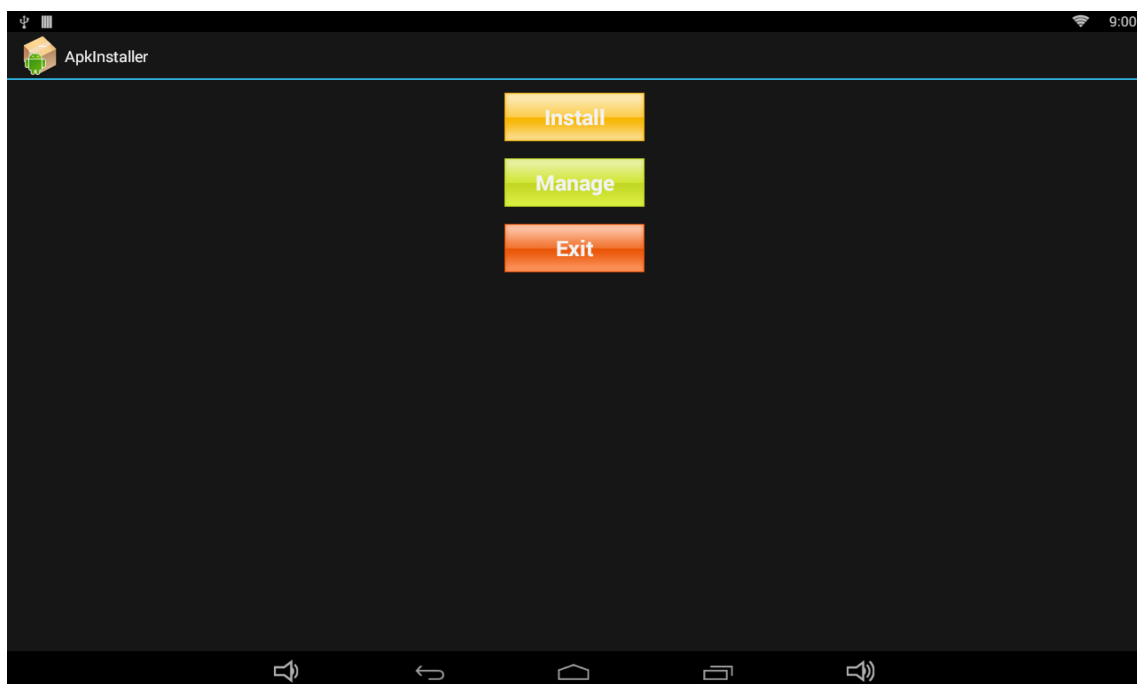
Install & Uninstall Apps

Install Apps

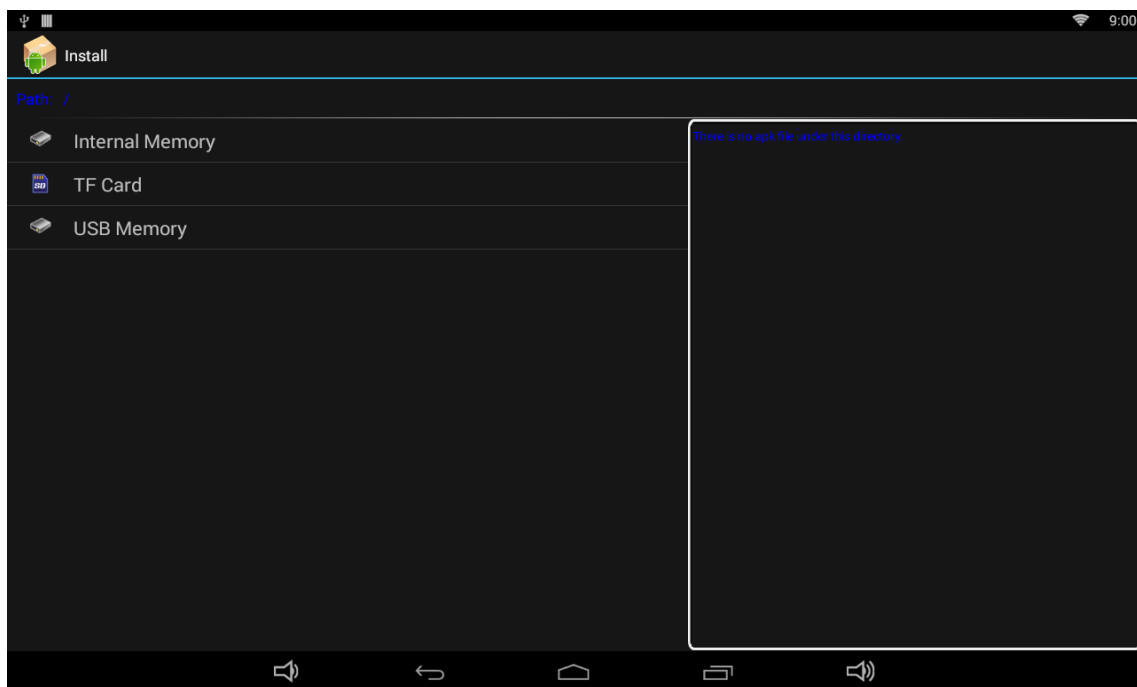
Before installing an app, please download the app (.apk) to via the browser, or copy a downloaded app to the device from your computer.

Then you can open “**Apk Installer**”  in the App list to install the downloaded app.

Click “Install” button.



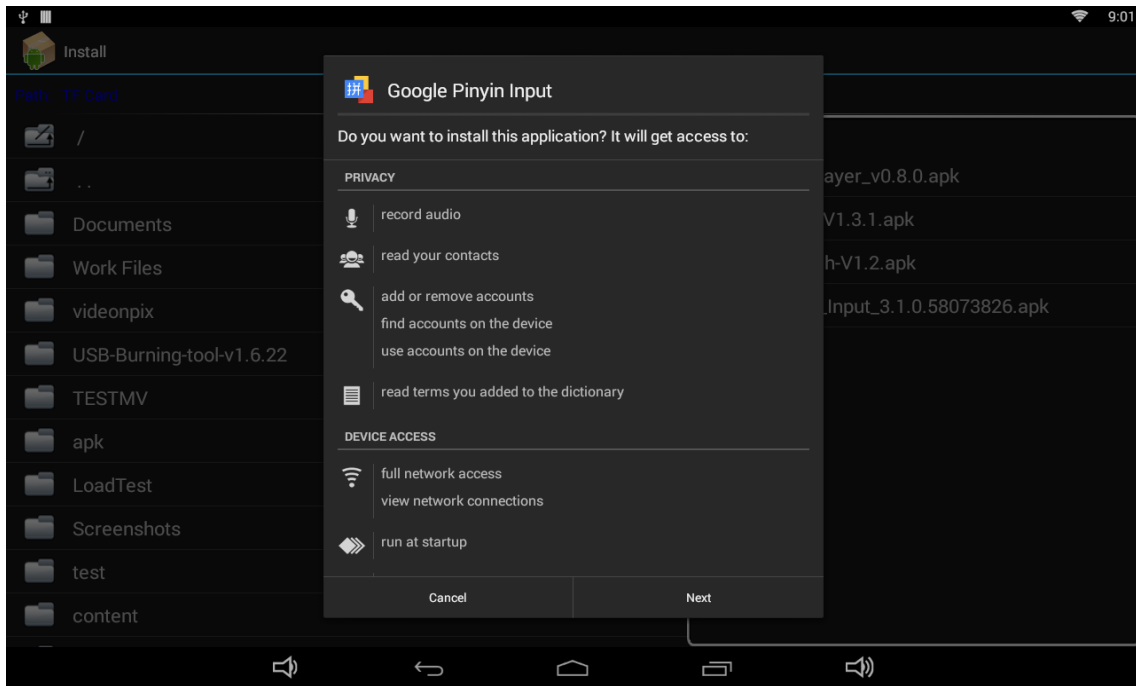
Choose the installation file's location.



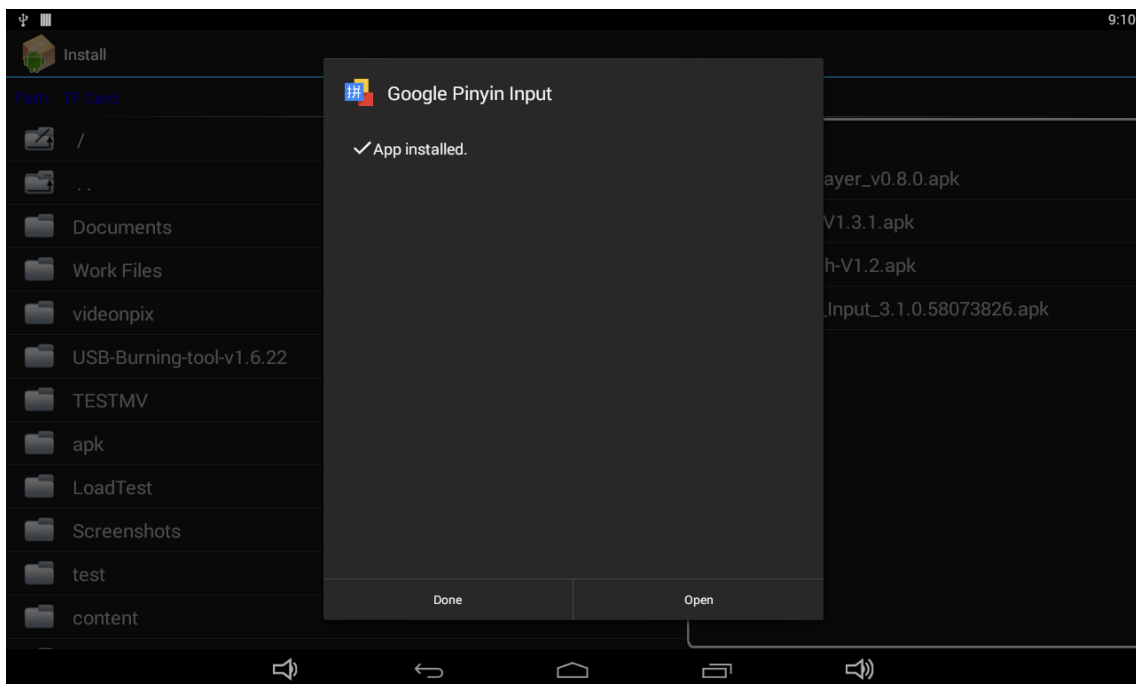
The apk files will be automatically scanned in the right side list.



Click the apk you want to install.

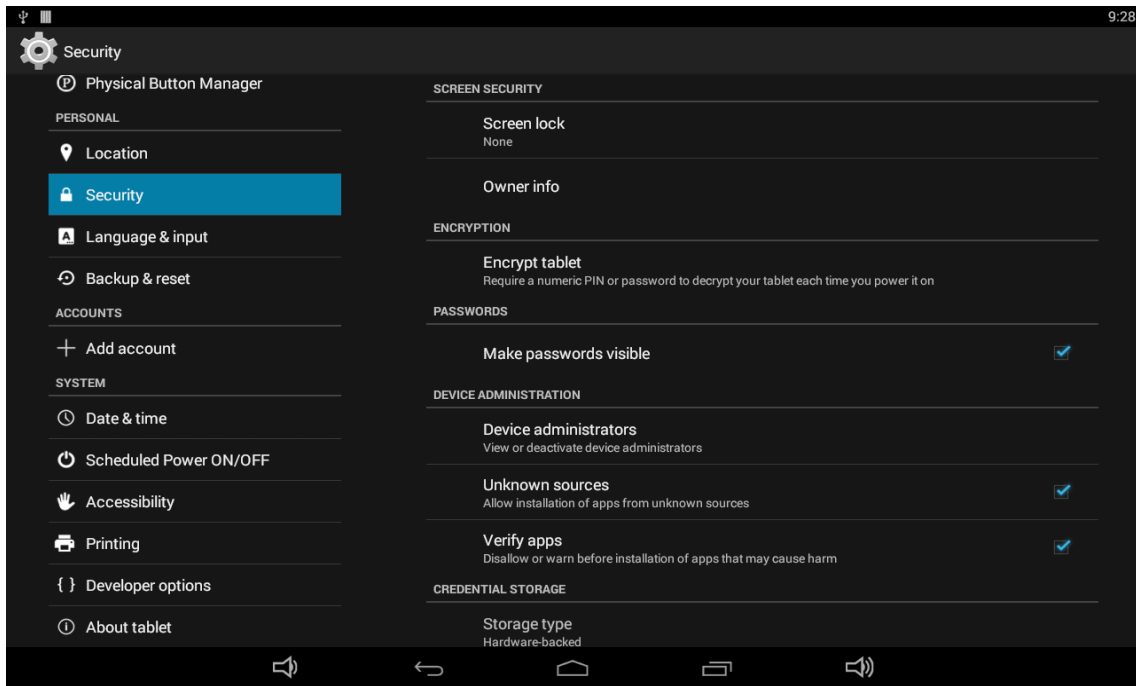


Click “Install” or “Next” until it turns to “Install”, and then wait for installation finished.



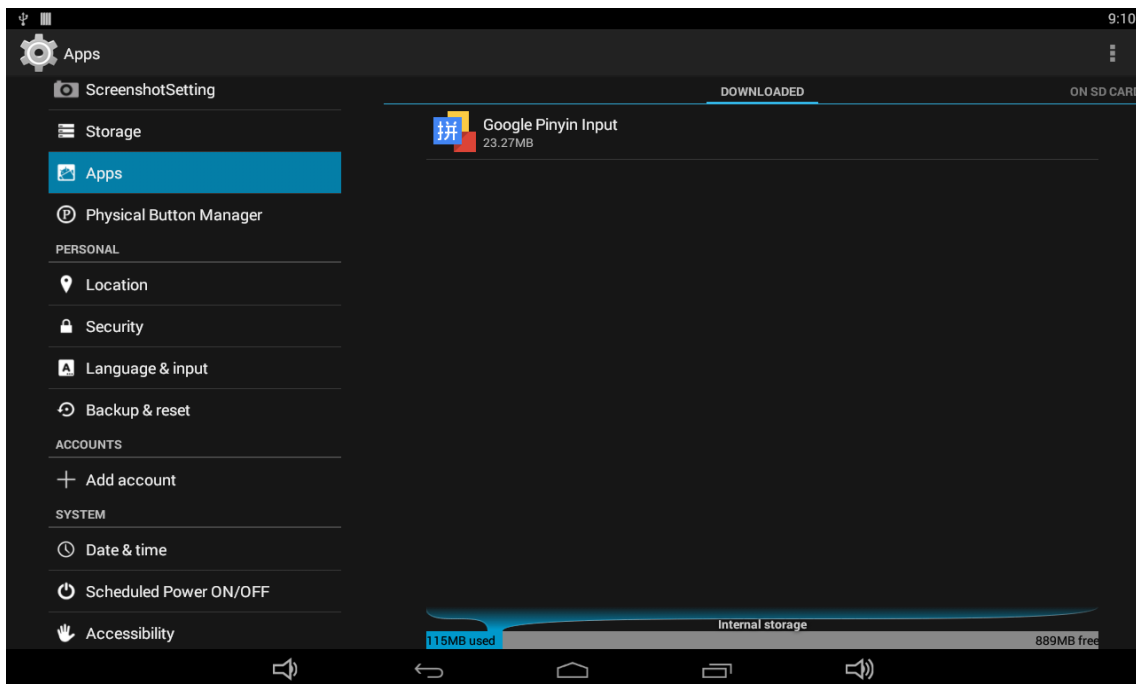
You can also download an android app market, and install the apps via the market.

If “Install blocked” is prompted when installing an app, please open “**Settings**” and select the option “**Security**”, allow “**Unknown sources**” and then back to reinstall the app.

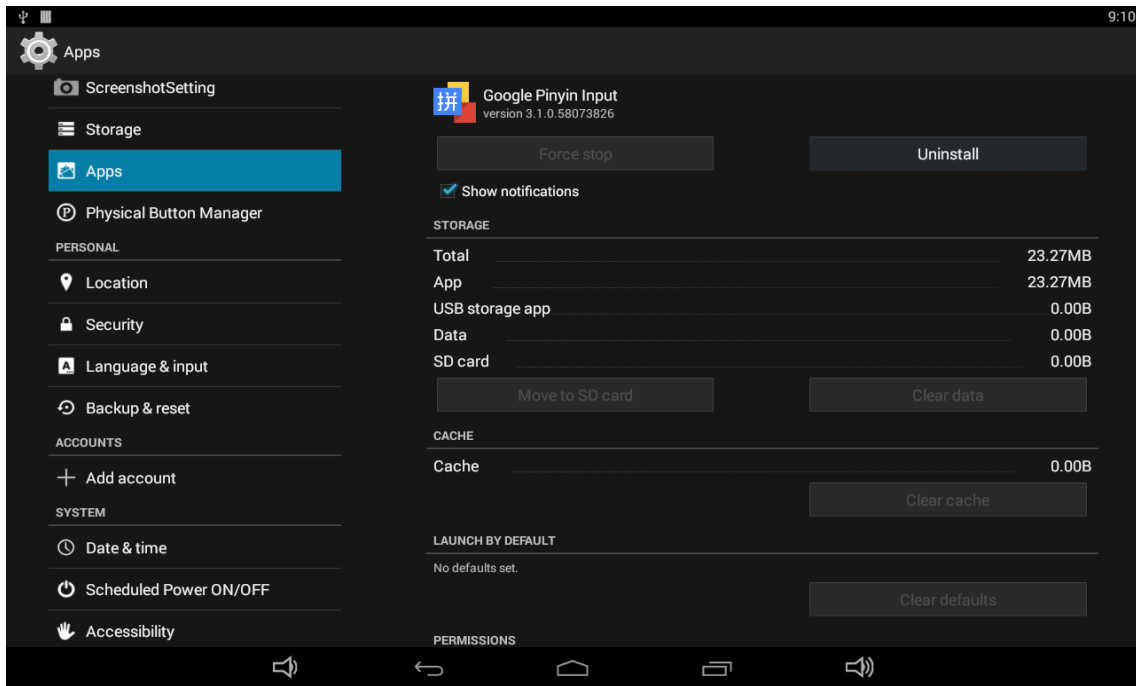


Uninstall Apps

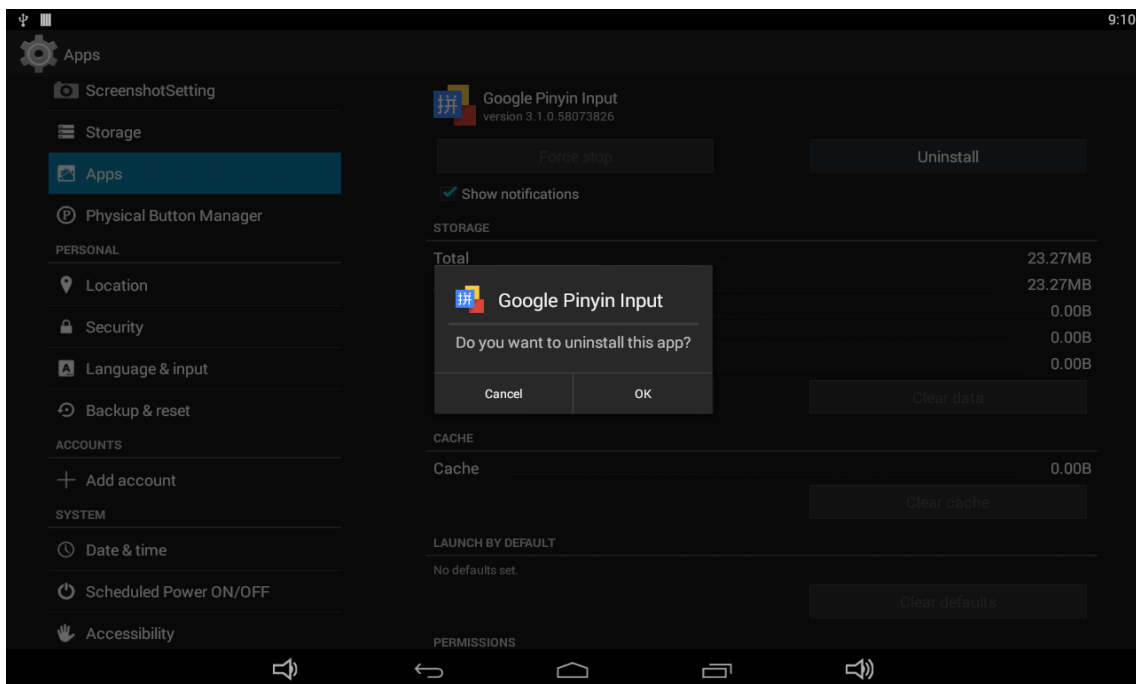
To uninstall an app, open “**Settings**” in the App list and select the option “**Apps**”. In this option, you will see the installed apps list.



Click the app you want to remove to enter the detail page.




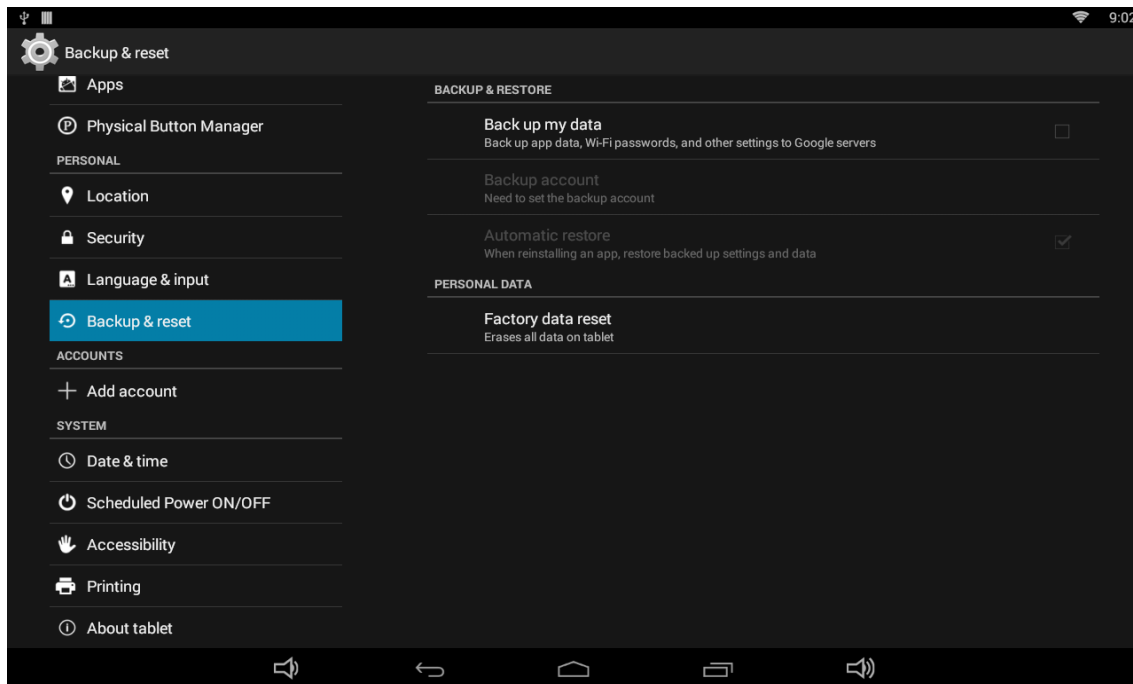
Click the “**Uninstall**” button and select “OK”, and then waiting for uninstallation finished.



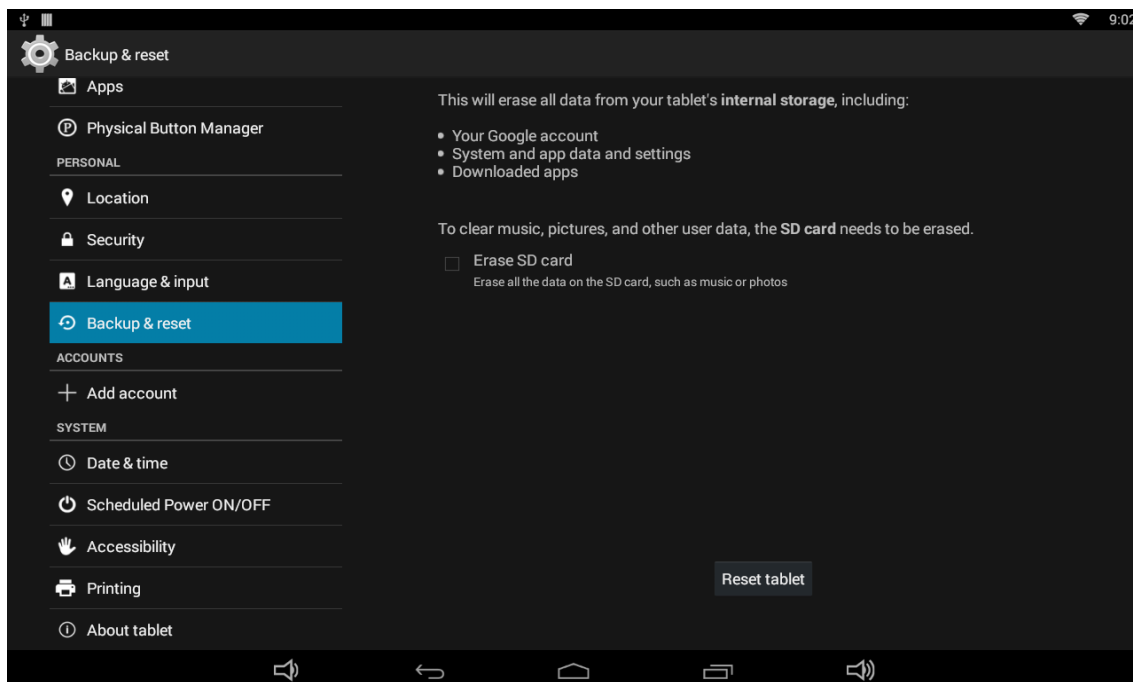
Reset to Factory Default

Please make sure to back up the important data before resetting the device.

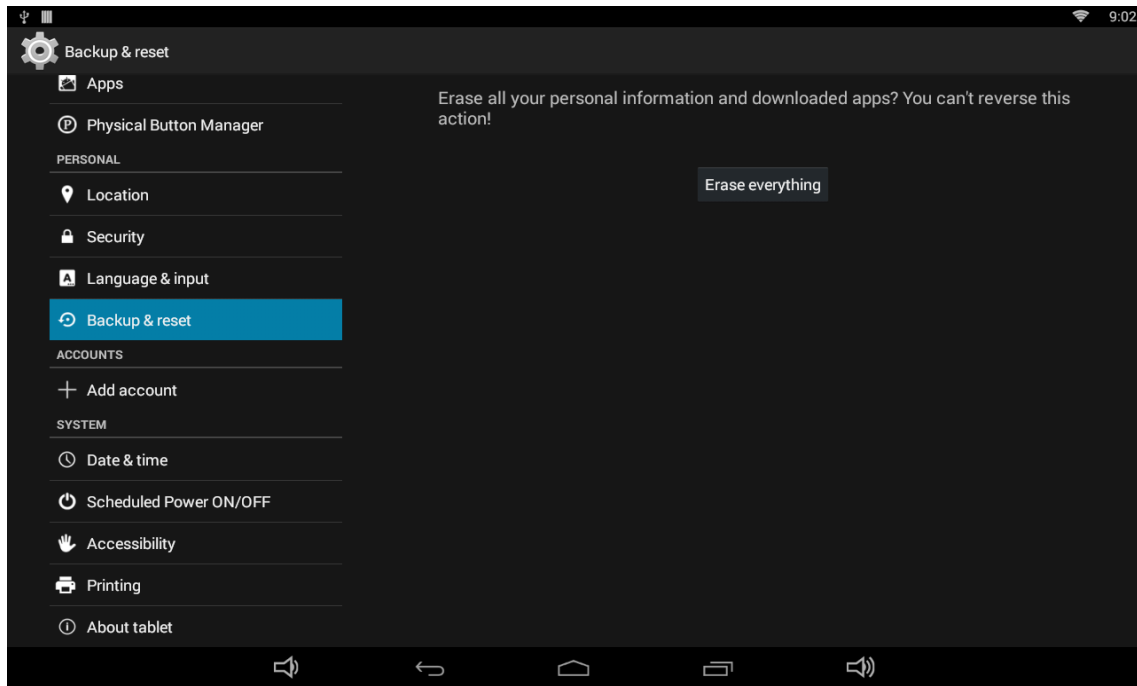
In the App list, click **“Settings”**  to open the system setting app, and select the option **“Backup & reset”**.



Click **“Factory data reset”**.



Click **“Reset tablet”** button.



Click “Erase everything” button, and then waiting system reboots and resets to factory default.



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