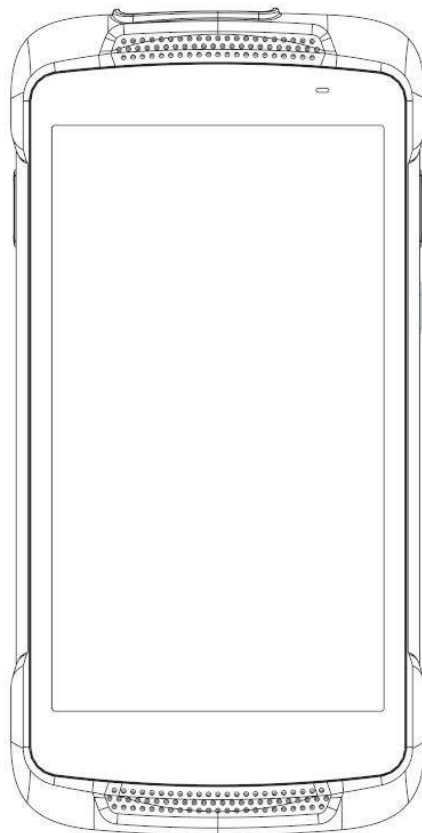


DS2 Series _____

User Manual

Android 5.1.1

Aug. 18, 2016



ISO 9001 Certified
Quality Management System

MOBILEBASE
by **DSIC**

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Revision History

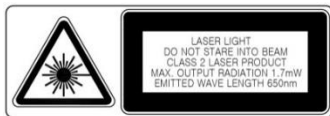
Date	Description	Link
Aug.12.2016	Released Manual	
Nov.28.2016	Barcode Tray Update	


Safety Instruction

Read this instruction carefully to keep yourself safe and to avoid the loss of property.

- Make sure that battery terminals (metal part) do not come into contact with any conductive materials like a necklace or coin. Also make sure that batteries do not get damaged by teeth or nails. Impact may cause an explosion of batteries.
- Use dedicated batteries only and do not use the batteries for any purposes other than operating this product. Using an inauthentic battery may reduce the lifespan of the product, or cause an explosion.
- Make sure to use the adapter or the standard charger supplied with this product. Using an inauthentic charger may reduce the lifespan of the batteries or cause an explosion.

Caution in relation with Laser Scanner



 Do not flash scanner into human and animal's eyes. It may cause damages to retina and amblyopia.

Caution in relation with Batteries

- Batteries may explode when damaged, impacted, heated, flooded, or taken apart with a gimlet. Make sure to keep the batteries out of reach of children or pets.
- Do not use the Product in the area with the risk of explosion.

Safety information

- This Product is compliant with EMC. For safety and health reasons, use the authentic parts supplied by the manufacturer. Any inauthentic parts may affect safety.
- Do not press the power button when the Product is wet. Touching the adapter or power cord with wet hands may cause an electric shock.
- Do not modify, disassemble, or repair the product at your discretion. Also make sure to follow the safety instructions.
- Record the data in the Product and keep it in a separate place. Data stored in the Product may be deleted during repairing or upgrading the Product. So, make sure to back up important data.
- Do not use this Product in a hot or humid place. Using the product under a hot/humid temperature such as rain or sauna may cause a trouble.
- Keep this Product away from magnetic products such as credit card, telephone card, bank book, and traffic ticket. The magnetic field of the terminal may affect the data.

- When storing a battery for a long period of time, recharge it and keep it at a room temperature. Even a fully charged battery will suffer reduced lifespan due to the characteristics of the battery.

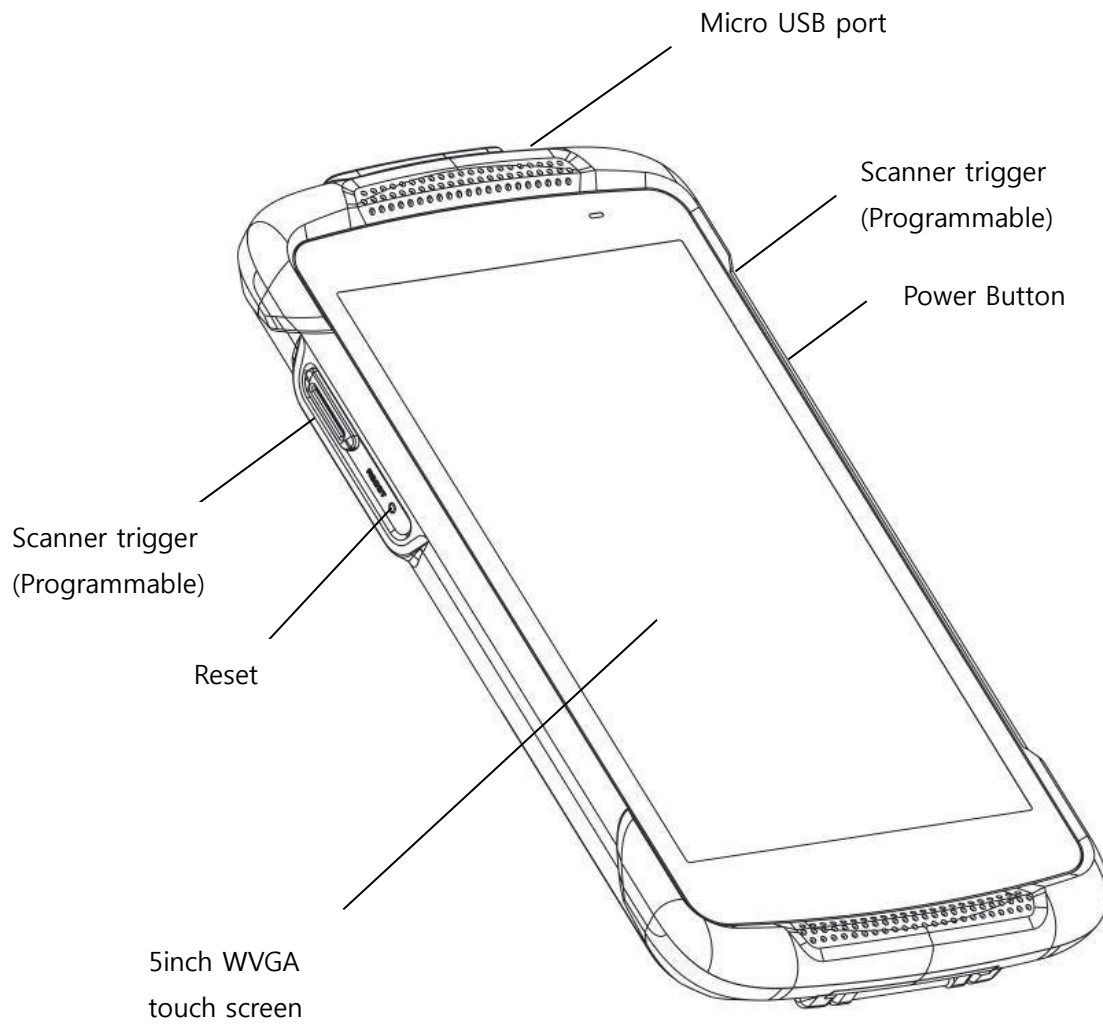
Chapter 1: Introduction to the DS2

Specifications

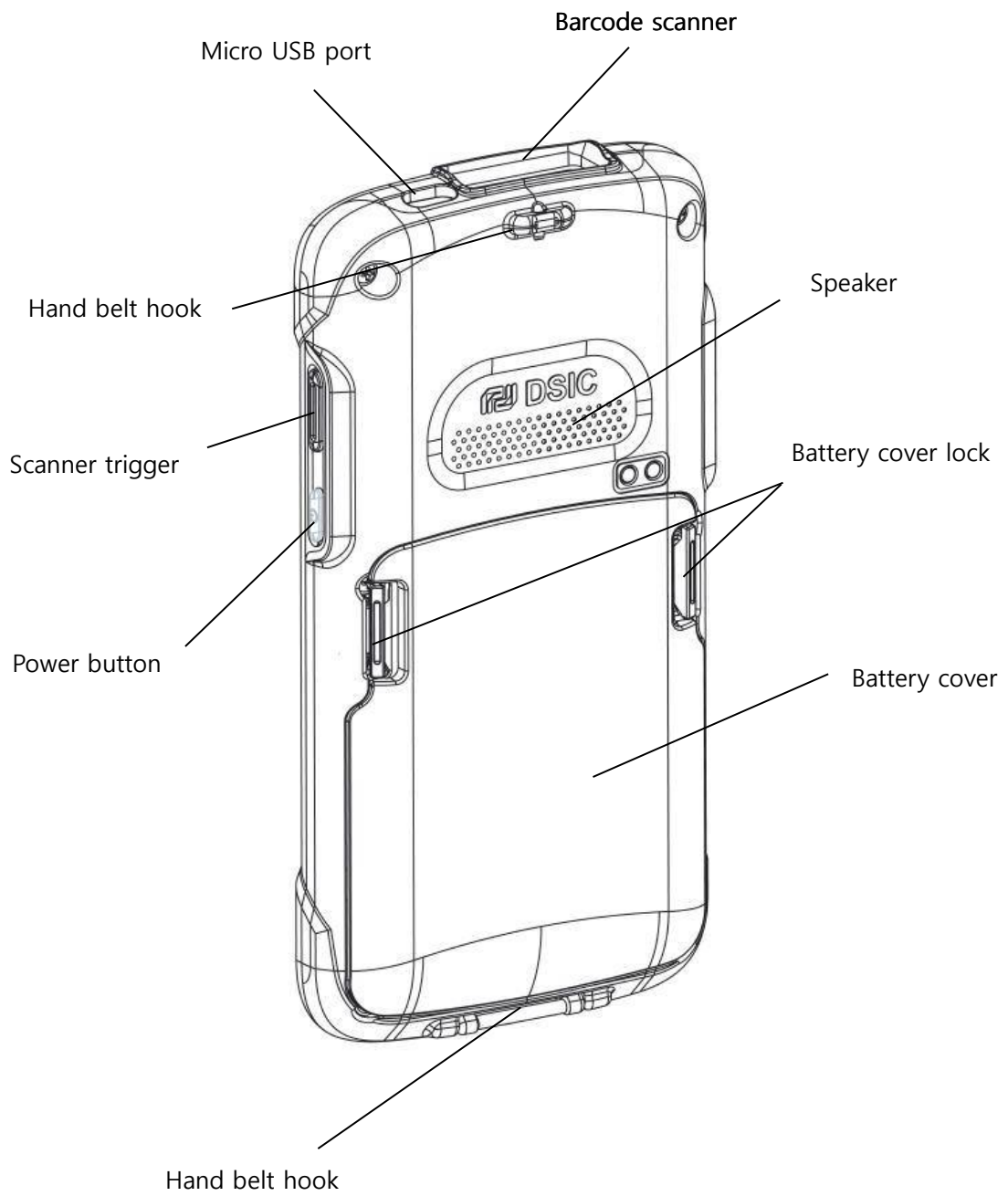
Characters	Descriptions
Display	5.inch WVGA (480x854) / Capacitive multi-touch
Dimensions (mm)	79 x 157 x 19
Weight (g)	220g including battery
Battery	4,000mAh rechargeable Li-polymer
Operating System	Android AOSP 5.1 Lollipop
Processor	1.4GHz Quad-core
Memories(RAM/ROM)	1GB/ 4GB
Interface	Micro USB-A type
Audio	Speaker
LED & Indication	Charging LED, Notification LED (Multi-color & Programmable), Vibration
Key buttons	Scan (left & right), Power
Sealing & Drop	IP54, 1.5m multi-drop resistance to concrete
Storage Temperature	-25°C to 70°C
Operating Temperature	-20°C to 60°C
Humidity	95% non-condensing
Regulatory	KCC, CE, FCC, CCC, RoHS complaint
Optional Integration Features	
WLAN	IEEE 802.11 b/g/n, or a/b/g/n (optional)
WLAN Security	WEP, WPA-PSK, WPA2-PSK, 802.1x EAP (PEAP-MSCHAPV2, PEAP-GTC, TLS, TTLS-PAP, TTLS-MSCHAP, TTLS-MSCHAPV2, TTLS-GTC, PWD)
WPAN	Bluetooth v4.0 (Bluetooth® Smart Technology)
Scanner	Integrated 1D CCD, or 2D Imager
Warranty	1 year manufacturer's warranty
Default Accessories	
<ul style="list-style-type: none"> · micro USB cable for charging & PC sync · AC/DC Adapter & Country configured adaptor plug · Screen protection film · Hand strap 	
Optional Accessories	
Cradle Kit Battery Quad charger	

Overview of terminal features

Front view



Back view



Chapter 2: Getting Started

This chapter will describe how to install and charge battery, mount micro SD card and start the terminal

To start up the terminal,

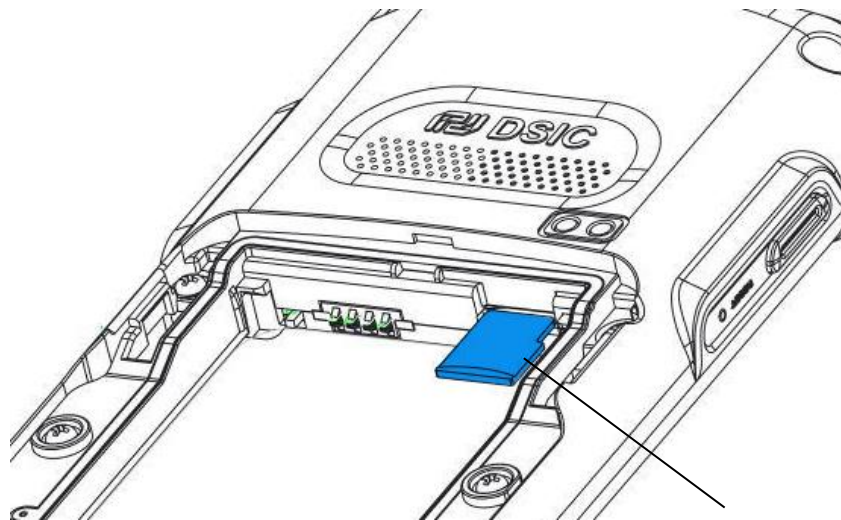
- Install Micro SD card
- Mount battery
- Connect power source
- Operate power of terminal
- Made your Home screen

Micro SD card installation




Important: Turn your device off before installing or removing a card. Be careful not to bend or scratch the card and avoid exposing it to static electricity, water, or dirt. Keep cards out of the reach of small children.

Insert the card carefully as shown in the following picture. Make sure the card terminal is correctly faced up before inserting. Push the back end of the card to firmly position the card.



Micro SD card

Card types	Insert direction
Micro SD card	



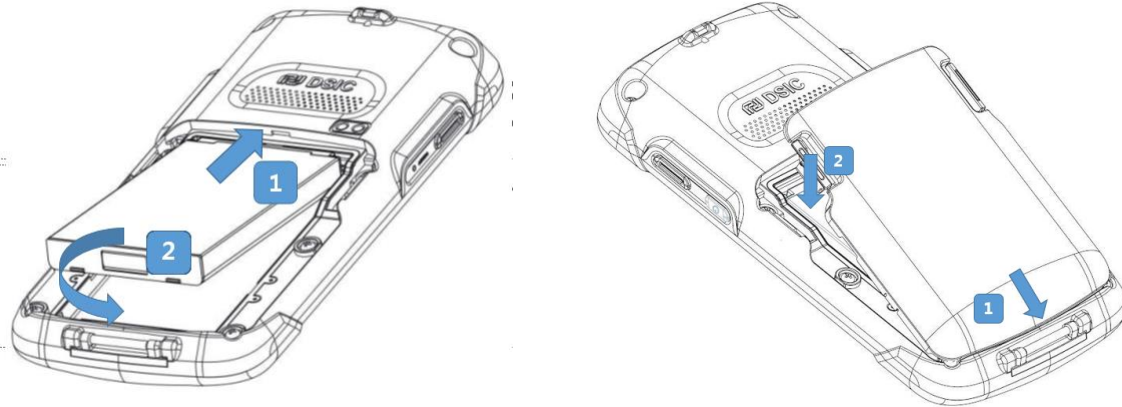
Note

- Do not force too much when inserting the micro SD card. The micro SD card may be damaged.
- If you install the micro SD card in the wrong position, the micro SD card may be damaged or it may cause the malfunction of the micro SD card slot.
- Keep the terminal part of the micro SD card clean and swipe the dust off the terminal part of the micro SD card. Since the micro SD card is a consuming product, it may not be able to save data upon the end of its lifespan or if used over certain times. In this case, it must be replaced with a new micro SD card.

Battery mounting and operation

Slide in a battery and press down to mount clear

Then, install battery cover to the device and lock as process



Slide in a battery and press down to mount clear

Install battery cover to the device and lock as picture above



Caution If the Product is wet, do not put it in a device that may heat the terminal (heater, microwave oven, etc.). Heating batteries may cause an explosion, deformation, or fault. (Water or any other liquid will change the color of the label inside the terminal.)



Note

Battery Maintenance

Lithium-ion batteries have a limited life, which is affected by several factors; environment, storage, the number of charge/discharge cycles, and level of discharge/charge.

To extend battery life, we recommend following these simple guidelines;

- Avoid heat and humidity
- If the terminal is not used regularly, fully recharge the battery at least once per month.
- Do not leave the terminal connected to a charging device for more than 3 days.
- Only use charging adapters that are approved
- In case of storing terminal for 3 months or longer,
 - The best temperature for proper care and storage is between 0~25°C
 - It can cause batteries to discharge deeply, which can deteriorate the cell and reduce battery capacity, service life, and the ability to recharge. Therefore, it is recommended that the battery be fully charged before putting into the terminal and that it gets recharged fully every three months while in storage.
- Update the terminal Operating System as new updates come available. OS updates may contain new programs to optimize battery life.

Transportation

The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The user can transport the batteries by road without further requirements. When being transported by third parties (e.g: air transport or forwarding agency), special requirements on packaging and labeling must be observed. For preparation of the item being shipped, consulting with a hazardous material expert is required.

Disposal

Rechargeable batteries must be recycled for environmental friendly purposes. Do not dispose batteries into household waste. According to the European Guideline 2006/66/EC, defective or used battery packs/ batteries must be collected separately and disposed in an environmentally correct manner. Batteries that is no longer suitable for use can be directly returned at:

DSIC Co., Ltd.

2nd Floor, Daeryung Technotown 3, 448 Gasan-Dong, Guemchun-Gu, Seoul, Korea

Tel. Service: +82-2-2107-5152

Fax: +82-2-2107-5178

Email:dsic_pda@dsic.co.kr

Connecting power source

Connect power using one of the method listed below.



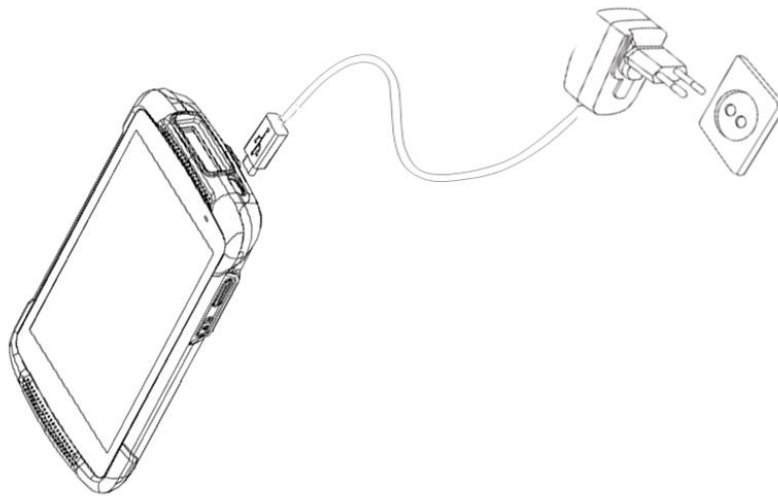
Caution Verify that the terminal battery is installed prior to the connection. If the battery is not properly installed and is connected to the wall charger, the terminal may power on and of continuously, preventing proper operation.



Note

- Failure to unplug the wall charger before removing the battery may cause damage to the terminal
- The charging unit varies by country or region.
- Use only the USB charging unit and micro USB cable that come with your device. Using a different charging unit or cable may damage your device.
- To avoid risk of injury or damaging your device, peel the protective film from the USB charging unit and USB cable before charging the battery.
- The input voltage range between the wall outlet and this charging unit is AC 100V–240V, and the charging unit's output voltage is DC 5.2V, 1.35A.
- Your DS2 can be charged via the USB port on a computer only when DS2 is in sleep mode (screen off) or turned off. Charging through the USB port will take longer than charging with the USB charging unit.

To use micro USB Travel Charger



1. Plug the flat end of the micro USB Travel Charger into the Power interface connector and the other end into the standard AC wall outlet.
2. When the charging is finished, remove the flat end from the interface connector.

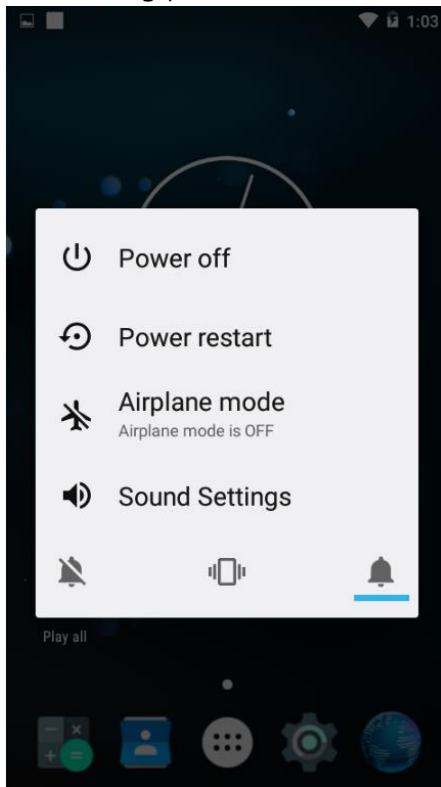
Operating power of the terminal

- Power on / off

Make a long press **Power** button at the right side of the terminal to turn on.

When you first turn on your device, you'll see a Welcome screen. Choose the right language you want and touch Start or the ▶ Start icon.

Make a long press **Power** button and select **Power off**



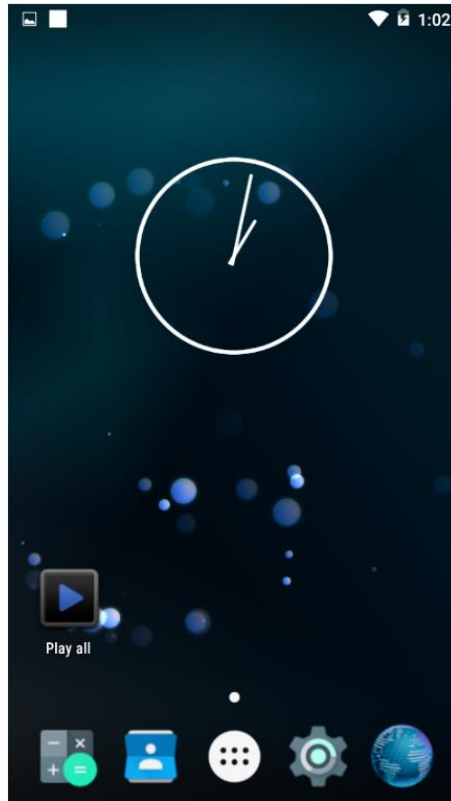
- Sleep and Wake up
Press **Power** button shortly to enter Sleep, or Wake up the device
- Power restart
Make a long press **Power** button at the right side of the terminal. Select **Power restart**.
Your device will shut down and restart
- Sound Setting
Make a long press **Power** button. Select **Sound Settings** You can change volume of Media, Alarm, Notification and other media settings.

Note

In case you need to force to restart your device, such as device hang up, long press **Power** button for 10 seconds.
Your device will shut down and restart

Home Screen

Make yourself at home. After you finish setting up your device, the Home screen appears for the first time. To move between Home screens, swipe left or right.



Get around





At the bottom of every Home screen you'll find the Favorites tray: another quick way to get to your apps. Here's what it looks like on a DS2.



To open an app, touch it. To drag an app in or out of the Favorites tray or anywhere else on a Home screen, touch & hold it, then move it with your finger into position.

DS2 navigation buttons

At the bottom of DS2, no matter what you're doing, you'll always find the navigation bar with three buttons:




	<p>Back</p> <p>Opens the previous screen you were working in, even if it was in a different app. Once you back up to the Home screen, you can't go back any further.</p>
	<p>Home</p> <p>Opens the central Home screen.</p> <p>Recent apps</p> <p>Press Home for few seconds to browse a list of thumbnail images of app you've worked with recently. To open an app, touch it. To remove a thumbnail from the list, swipe it left or right.</p>
	<p>Menus</p> <p>Many screens in apps and Settings include either a  menu icon or items in the permanent Menu button at the bottom of the screen. Touch it to explore additional options, including help.</p>

Status bar

The status bar is at the very top of the screen. On the right, you can see the Wi-Fi strength, how much battery power is left, and the time. On the left, you can see which apps have sent you notifications.


Quick Settings

Use Quick Settings to easily get to frequently used settings, like turning on airplane mode. To open Quick Settings, swipe down from the top of the screen with two fingers or twice with one finger. To change a setting, just touch the icon:

- ♦ **Wi-Fi network:**  Turn Wi-Fi on or off. To open Wi-Fi settings, touch the Wi-Fi network name.
- ♦ **Bluetooth settings:**  Turn Bluetooth on or off. To open Bluetooth settings, touch the word "Bluetooth".
- ♦ **Airplane mode:**  Turn airplane mode on or off. Airplane mode means your tablet won't connect to Wi-Fi, even if one is available.
- ♦ **Portrait/Landscape:** Rotate your device's orientation in portrait or landscape mode.


Open the main Settings app by touching  **Settings** in the top right.

Manage battery life


The status bar shows how much battery you have left, but you can also see the exact percentage and approximate time of battery life remaining. Swipe down from the top of the screen, then touch  Battery. Your Android device's battery is built to get you through your day. When you're running low, Android's battery saver conserves your battery power so you can still run the device. To turn it on, go to **Settings**> **Battery**> **Battery saver**.

Organize your Home screens

To change the wallpaper:

1. Touch & hold the background, then touch  Wallpapers.
2. Swipe right to left to choose a wallpaper image. Or choose an image from your Photos, Downloads or Drive.

To add an app icon to a Home screen:

1. Go to the Home screen where you want to place the app.
2. Touch the  **All Apps** icon.
3. Swipe from right to left, if necessary, to find the app you want.
4. Touch & hold the app until the Home screen appears, slide it into place, and lift your finger.

To add a widget:

1. Touch & hold the background then touch Widgets
2. Swipe right to choose a widget, which provides a quick view or way to access information on your home scree, like a larger size clock.

To move an app or widget to another position:

1. Touch & hold the icon.
2. Slide your finger to the new position.
To move between Home screens, slide toward the edge of the screen. To bump another icon out of the way, slide slowly into it.
3. Lift your finger.

Touch & type

To select or activate something, touch it.


To type something, such as a name, password, or search terms, just touch where you want to type. A keyboard pops up that lets you type into the field.

Other common gestures include:

- **Touch & hold.** Touch & hold an item on the screen by touching it and not lifting your finger until it responds. For example, this is how you access accent and other special characters on the keyboard.
- **Touch, hold & drag.** Touch & hold an item for a moment and then, without lifting your

finger, move your finger on the screen until you reach the target position. For example, you can move apps around on the Home screen.

- **Swipe or slide.** Quickly move your finger across the surface of the screen, without pausing when you first touch (so you don't drag something instead). For example, you can slide a Home screen left or right to view the other Home screens.
- **Double-tap.** Tap quickly twice on a webpage, map, or other screen to zoom. For example, double-tap a picture in Chrome to zoom in, and double-tap again to zoom out.
- **Scale.** In some apps (such as Gallery), you can scale by placing two or more fingers on the screen at once and pinching them together (to enlarge scale) or spreading them apart (to reduce it). Alternatively, in some apps you can double-tap and then, without lifting your finger, drag up to reduce or down to enlarge the scale or the image.
- **Rotate the screen.** To rotate the screen, drag and find the status bar. To lock or unlock a device's vertical orientations, swipe down from the top right of any screen and touch the Rotation icon in Quick Settings. To do the same thing on a device, go to **Settings > Device > Display**.

	<p>You can open your device's Settings app from the All Apps screen or from Quick Settings.</p> <p>For example, to change notification sounds, volumes, and more, go to Settings > Device > Sound</p> <p>To change brightness, font size, and more, go to Settings > Device > Display.</p>
--	--

Android version & updates

To check your version number or get the latest system update for a DS2, first go to Settings > System > About tablet. Then look for these labels:



- **Android version.** Look partway down the list for this heading and the number just below it.
- **OTA Update Start.** Touch to check whether you have any pending system updates.

For comprehensive online help and support, including details about Android 4.4, visit <http://support.google.com/android>



Chapter 3: Essentials

Display

Change the display settings on your device by following these steps:

1. Go to  **Settings** > **Device** > **Display**
2. Choose from the following settings. Some of these settings may vary by your device and version of Android. All can affect battery life.
 - ♦ **Brightness level:** Move the  slider to set the brightness level on your device.
 - ♦ **Sleep:** Change how long it takes for your device's screen to go black when you're not using it
 - ♦ **Daydream:** Set up screensavers that display photos, colorful backgrounds, and more when your device is charging or docked.

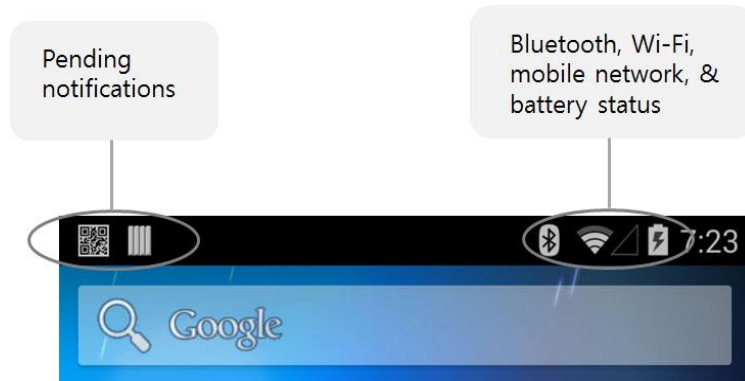
Sound and notification

You can change the sound and notification settings on your device by going to  **Settings** > **Device** >  **Sound & notification**.


Notifications alert you to the arrival of new messages, calendar events, and alarms, as well as ongoing events, such as video downloads.

- **Interruptions.** Prioritize sound notifications so they don't interrupt you. Touch the settings to turn notification interruptions on or off. If you turn notifications on, touch Bar to specify from whom you accept notifications (Anyone, Starred contacts or Contacts Only). In Downtime, select which days and times you allow for sound notifications.
- **When device is locked.** Manage whether notifications can be seen when your tablet is locked, and whether sensitive content in a notification can be seen. Sensitive content includes things like the title of a song you downloaded, who sent you an email, or the details of a calendar event. For more information, see Help Center.
- **App notifications.** Modify the notification settings individually for apps. The setting under **When device is locked** will always take precedence over the setting for individual app.
- **Notification access.** See which apps can access your notifications.

When a notification arrives, its icon appears at the top of the screen. Icons for pending notifications appear on the left, and system icons showing things like Wi-Fi signal, mobile carrier signal, or battery strength on the right:




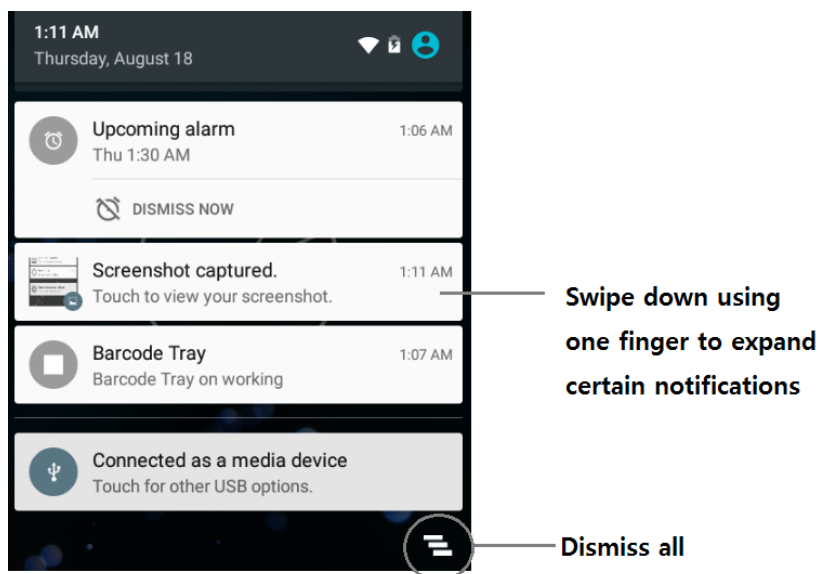
TIP: Wi-Fi and mobile signal strength are indicated at the top of the screen by white bars. To see whether the selected Wi-Fi network has a full internet connection, open Quick Settings: swipe down from the top right on tablets, or with two fingers on the phones.

In Quick Settings only,  white bars in the Wi-Fi or mobile signal indicators indicate the signal strength of a normal internet connection.

Certain notifications can be expanded to show more information, such as email preview. The one at the top is always expanded when possible. To expand a notification, position one finger inside it and swipe down slowly.

To open the related app, touch the notification icon on the left. Some notifications also allow you to take specific actions by touching icons within the notification.


When you finished with a notification, just swipe it away. To dismiss all notifications, touch the Dismiss icon  at the very bottom of the notifications list.



Security

If a lock is set for your screen, the screen goes dark and locks when the display goes to sleep or if you press the Power button.

You can set locks of different strengths using Screen lock settings:


1. Go to  **Settings > Personal > Security > Screen lock.**
2. Touch the type of lock you'd like to use.

Even when your screen is locked, you can perform certain activity

- ♦ **Quick Settings:** Slide down from the top of the screen to open Quick Settings without entering your password.

Printing

With Android 5.0, you can preview and print the content of certain screens (such as web pages displayed in Chrome) to a printer on the same Wi-Fi network as your Android device.

Before you can print, you need a printing service installed on your device. To check what services are currently available, go to  **Settings > System > Printing.**


From here, you can open each available service to turn it on or off, check which printers it makes available, add new printers, and adjust the service's settings.

To print a document, such as a webpage in Chrome:

1. Touch **Menu > Print**
2. In the dialog that appears, adjust settings such as printer, copies, orientation, and so on.
3. Touch print

File storage

Android 5.0 makes it easy to store and browse through pictures, videos, and other files on your device and attach them to an email, Hangout message, and so on. You can also use stored images as your Home screen wallpaper.

For example, to attach an image to an email you're composing, touch the  paper clip in the top right and choose to either Attach file or Insert from Drive to select stored images in your Drive folder.

Form here, you can view any of these sources:



- **Recent** shows you the photos or video you've taken or opened most recently.
- **Images** displays any photos, videos, or other images on your device.

- **Downloads** includes most files (excluding Play content) you've downloaded from emails or the Web
- **Gallery** lets you browse all the images and videos that have been uploaded to your account.



Use the Downloads app to view, reopen, or delete files you download from email or other sources (excluding videos, magazines and other media)

In the Downloads app:



- Touch an item to open it.
- Touch headings for earlier downloads to view them.
- Check items you want to share. Then touch the  Share icon and choose a sharing method from the list.
- Check items you want to delete. Then touch the  Trash icon.
- At the bottom of the screen, touch **Sort by size** or **Sort by date** to switch back and forth.

Screenshots

To take a screenshot from DS2:

1. Make sure the image you want to capture is displayed on the screen.
2. Press the Power and Left Scan buttons simultaneously.

The screenshot is automatically saved in your Gallery.

TIP: To easily share your screenshot via message, or Bluetooth, and email, swipe down the notification shade and touch the  Share icon, or  email icon below the previous of your screen shot.

Chapter 4: Use the keyboard

Enter & edit text








Use the onscreen keyboard to enter text. Here's what it looks like on a DS2 device:





To make the keyboard go away, touch the Back button below it.




Some apps open the keyboard automatically. In others, you first need to touch where you want to type.

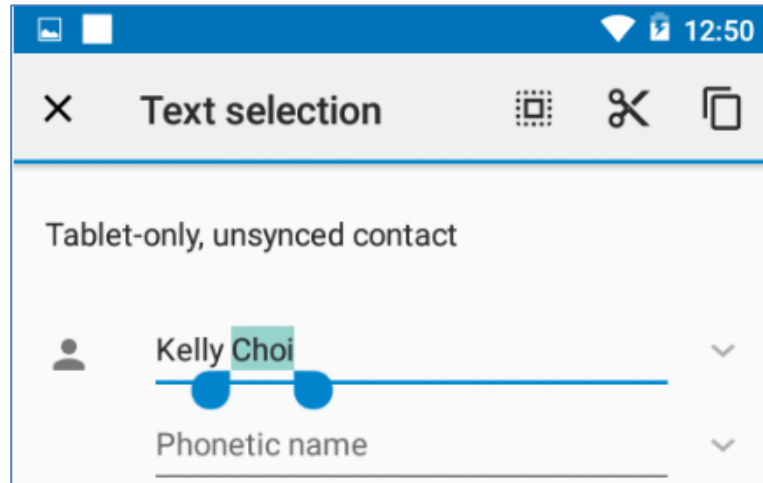
Basic editing

- **Change where you want to type.** Touch the cursor, then touch and drag the tab that appears below it to new position.
- **Select Text.** Touch & hold or double-tap within the text. The nearest word highlights, with a tab at each end of the selection. Drag the tabs to change the selection. The tab disappears after a few moments. To make it reappear, touch the text again.
- **Delete text.** Touch  to delete selected text or the characters before the cursor.
- **Type capital letters.** Touch the Shift key once to switch to capital letters for one letter. Or touch & hold  Shift key while you type. When you release the key, the lowercase letters reappear.
- **Turn caps lock on.** Double-tap or touch & hold  Shift key, so it changes to . Touch  Shift key again to return to lowercase.
- **Change word capitalization.** If you want to quickly change the capitalization of a word you've already typed, you can select it and touch the  Shift Key.
- **Type a symbol or character.** To switch to symbol keys for one word, touch the symbol key  once.



You can also touch and hold the symbol key  while you type or you can touch the symbol key  and slide to another key. When you release the key, the letter keys reappear.

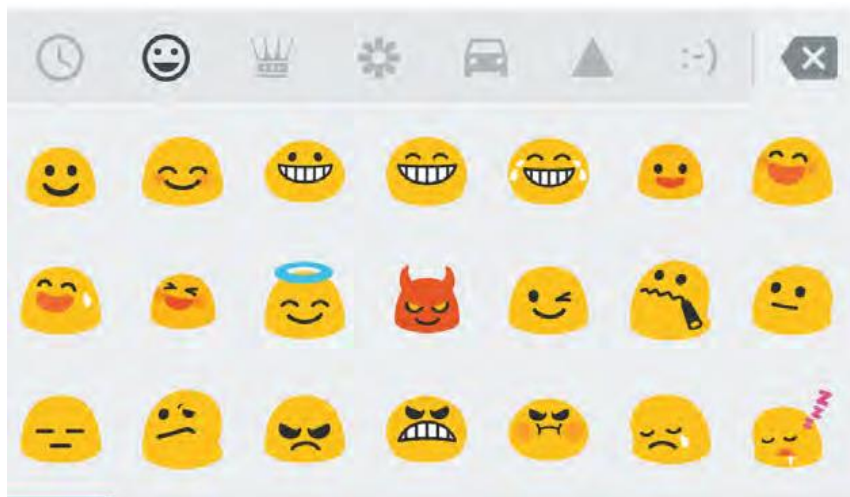
- **View more symbols and characters.** Touch and hold symbols or characters to get accented characters or additional symbols.

- **Cut, copy, paste.** Select the text you want to cut or copy. Then touch the **Cut**  or **Copy**  icons. To paste, touch the space where you want to paste your text and then touch **Paste**. If you want to replace other text with the text you copied, highlight the text then touch the Paste button .



Emoji


Android 5.1 vastly expands the variety of emoji available at your fingertips. Touch and hold the Search Button  or Arrow button  on the bottom right of keyboard to display emoji. You'll see a panel like this. To move between categories, swipe left or right or touch the symbols in the top row. To type an emoji, touch it:



Use next-word suggestions

1. Touch the location where you want to input text.
2. Start typing out a word. When the word you want is displayed in a list above the keyboard, touch it.

3. Continue to touch words unless the one you want doesn't appear. If so, type it. Android continues to suggest words as you type.

	<p>To change your keyboard and input methods, go to Settings > Personal > Language & input.</p> <p>To turn next-word suggestion on or off, go to Setting > Personal > Language & input methods > Android keyboard. Touch the Setting icon, then check the box next to Next-word suggestions.</p>
---	--

Keyboard dictionaries


To manage keyboard dictionaries, go to **Setting > Personal > Language & input**.

Personal dictionary

You can add your own words to your personal dictionary so that your device remembers them. To add a word or phrase, including an optional shortcut, touch **Personal Dictionary**, then the Add icon. Go to **Settings > Personal > Language & input > Personal dictionary > + button** to add words


Chapter 5: Try some apps


All Apps

 <p>All Apps</p>	<p>To see all your apps, touch the All Apps icon in the Favorites tray on any Home screen.</p> <p>This is where you can see all your apps. You can move app icons to any of your Home screens.</p>
---	--


From All Apps, you can:

- **Move between screens.** Swipe left or right.
- **Open an app.** Touch its icon.
- **Place an app icon on a Home screen.** Touch & hold the app icon, slide your finger, and lift your finger to drop the icon in place.
- **Browse widgets.** Touch the Widgets tab at the top of any All Apps screen.

To remove an app icon from the Home screen without removing it permanently from your device, touch & hold it, slide your finger toward the top of the screen, and drop the app over the  Remove icon.

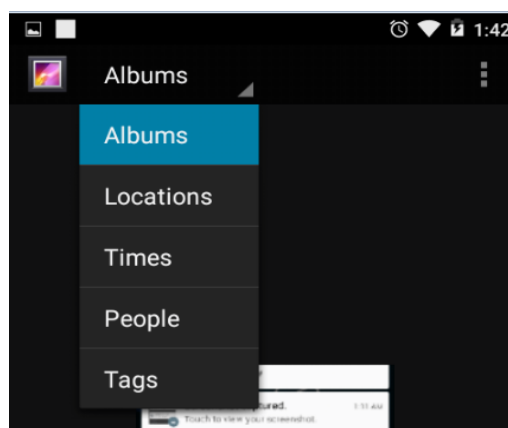
To view info about an app from an All App screen, touch & hold it, slide your finger toward the top of the screen, and drop the app over the  App Info icon.

Gallery

	<p>The Gallery app gives you an easy way to browse pictures and videos. It displays screenshots and auto backups from other devices.</p>
---	--


To open Gallery from the Home screen: Touch the Gallery icon.

To get to the top level of the Gallery app, touch the icon at the upper left. From there, open the drop-down menu to view the available categories.





Within each category you can browse groups of images, crop, edit, and tag them, create slideshows, make pictures or videos available offline, and share with friends.

Contacts


	The Contacts app gives you quick access to everyone you want to reach. To open it, touch the Contacts icon on a Home or All Apps screen. If you use Exchange, you can also sync that contact information with People.
---	---


When you open the People app, you can:

- **View all contacts, favorites, or groups.** Choose from the top left of the screen.
- **Read details.** Touch a name to see details for a contact or group.
- **View recent activity.** When viewing a contact, swipe to the right to see recent updates.
- **Edit details.** While viewing a contact, touch icons at the top of the screen or the  Menu icon to edit or share contact details, delete a contact, and so on. You can touch the star icon to add that contact to your Favorites list.
- **Change your settings.** While viewing the main list screen, touch the menu to import or export contacts, choose display options for the Group and All tabs, and add or edit accounts.

No matter where you are within People, you can always get back to the main lists by touch the  Contacts icon at the top of the screen.

Calendar

	Use the Calendar app to view and edit your schedule. To open it, touch Calendar on a Home or All Apps screen.
---	---

As you edit events, they're synced automatically across all the places you need them. To change the Calendar view, touch the  **Menu** and choose **Schedule, Day, or Week** from the top of the screen.

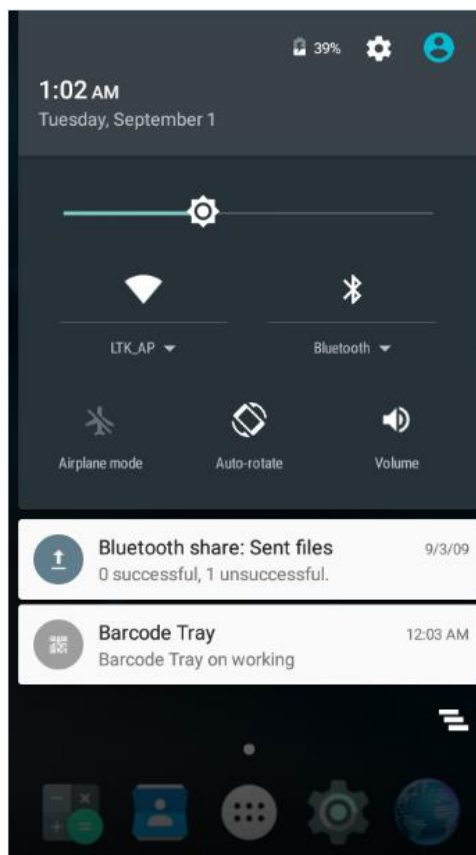
From any of these views, you can:

- **Read or edit event details.** Touch an event to view its details.
- **Manage events and calendars.** Touch icons across the top of the screen or the menu to search or create events, return to today, or adjust settings.


Chapter 6: Settings

Most apps include their own settings, typically available from **Menu > Settings** on DS2 devices. The fastest way to adjust system settings that you access frequently, such as Wi-Fi or brightness, is through Quick Settings.

Here are the Quick Settings for a DS2:



To open Quick Settings, swipe down from the top of the screen the Settings icon.

 Settings	The Settings app controls the core Android settings for networks, hardware, location, security, language, accounts, and so on.
---	--

Chapter 7: Accessibility


To use the accessibility options, open **Settings > System > Accessibility**.

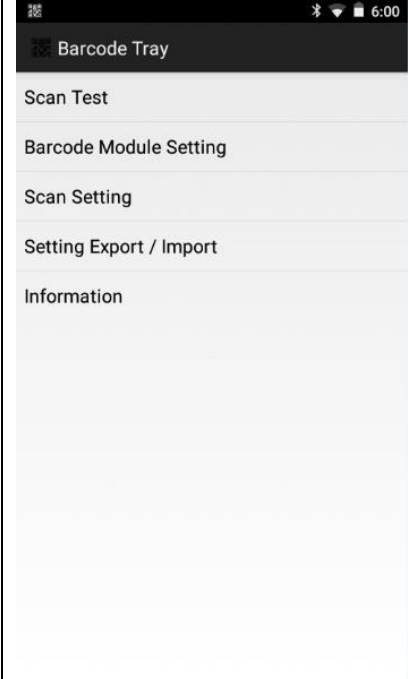
Accessibility settings let you modify your device's display and sound options, such as increasing the text size, changing the speed at which text is spoken, and more.

You can also try magnification gestures which allow you to zoom in and out, as well as temporarily magnify what's under your finger. To try magnification gestures, go to **Settings > Accessibility > Magnification gestures**.

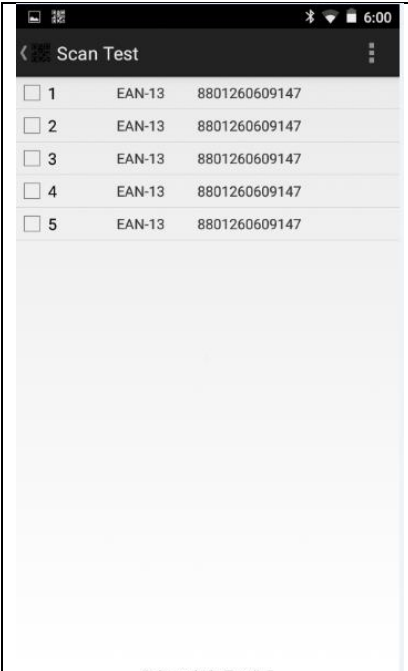
Chapter 8: Application Guide

Barcode Tray

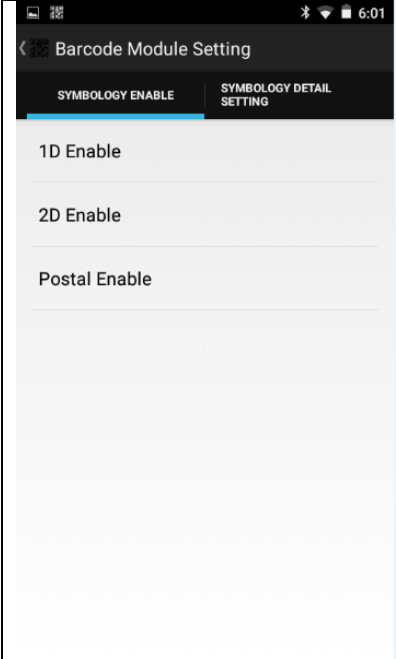
To activate Barcode Tray program, touch  barcode tray icon at your screen.

 <p>A screenshot of the Barcode Tray application menu. The menu items are: Scan Test, Barcode Module Setting, Scan Setting, Setting Export / Import, and Information.</p>	<p>Scan Test Text view the scanned barcode</p> <p>Barcode Module Setting Setting to enable, or disable barcode types</p> <p>Scan Setting Setting scanning feature, such as time out, prefix and suffix, scanner key setting, notification options and etc.</p> <p>Setting Export / Import Set up barcode configuration by programming, or export the set up to file</p> <p>Information Demonstrate the installed barcode scanner to your device and application version information of your barcode scanner.</p>
---	---

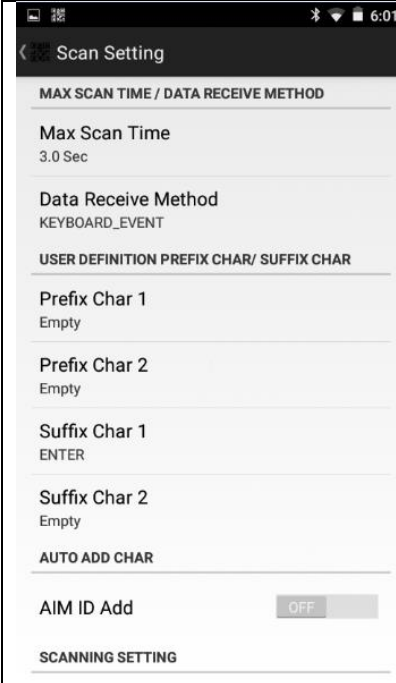
Scan Test

 <p>A screenshot of the Scan Test screen showing a list of five scanned items. Each item has a checkbox, a number (1-5), the barcode type (EAN-13), and the barcode number (8801260609147). At the bottom, it says 'Selected: 0 Total: 5'.</p>	<p>Demonstrate scanning data details</p>
---	--

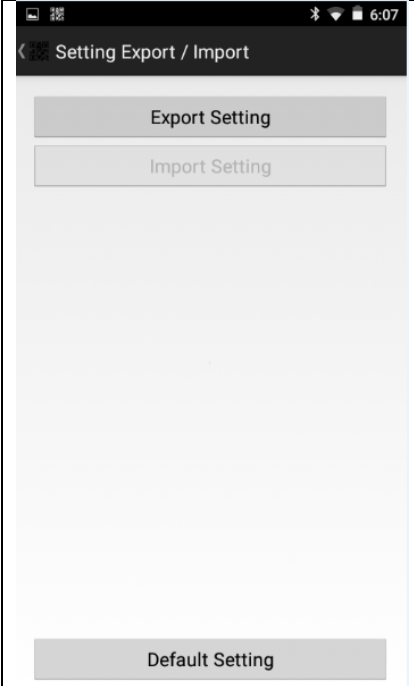
Barcode Module Setting

 A screenshot of a mobile application's 'Barcode Module Setting' screen. The screen has a dark header with a back arrow and the title 'Barcode Module Setting'. Below the header are two tabs: 'SYMBOLGY ENABLE' (selected) and 'SYMBOLGY DETAIL SETTING'. The main content area lists three settings: '1D Enable', '2D Enable', and 'Postal Enable', each with a horizontal line below it.	<p>Setting to enable, or disable barcode types</p>
--	--

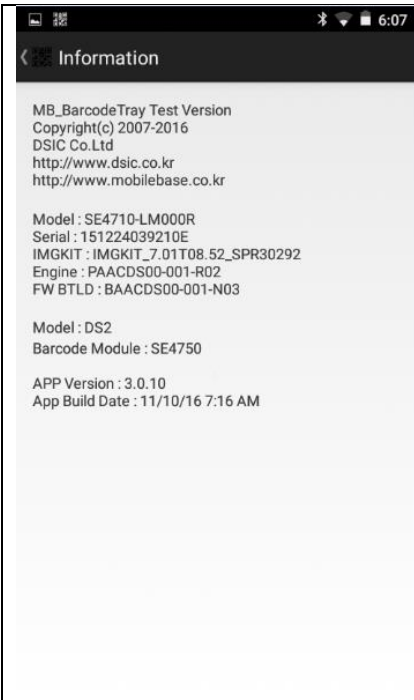
Scan Setting

 A screenshot of a mobile application's 'Scan Setting' screen. The screen has a dark header with a back arrow and the title 'Scan Setting'. Below the header are several sections: 'MAX SCAN TIME / DATA RECEIVE METHOD' with 'Max Scan Time' set to '3.0 Sec' and 'Data Receive Method' set to 'KEYBOARD_EVENT'; 'USER DEFINITION PREFIX CHAR/ SUFFIX CHAR' with 'Prefix Char 1' and 'Prefix Char 2' set to 'Empty', and 'Suffix Char 1' set to 'ENTER'; 'AUTO ADD CHAR' with 'AIM ID Add' set to 'OFF' (indicated by a toggle switch); and 'SCANNING SETTING'.	<p>Setting scanning feature, such as time out, prefix and suffix, scanner key setting, notification options and etc.</p>
---	--

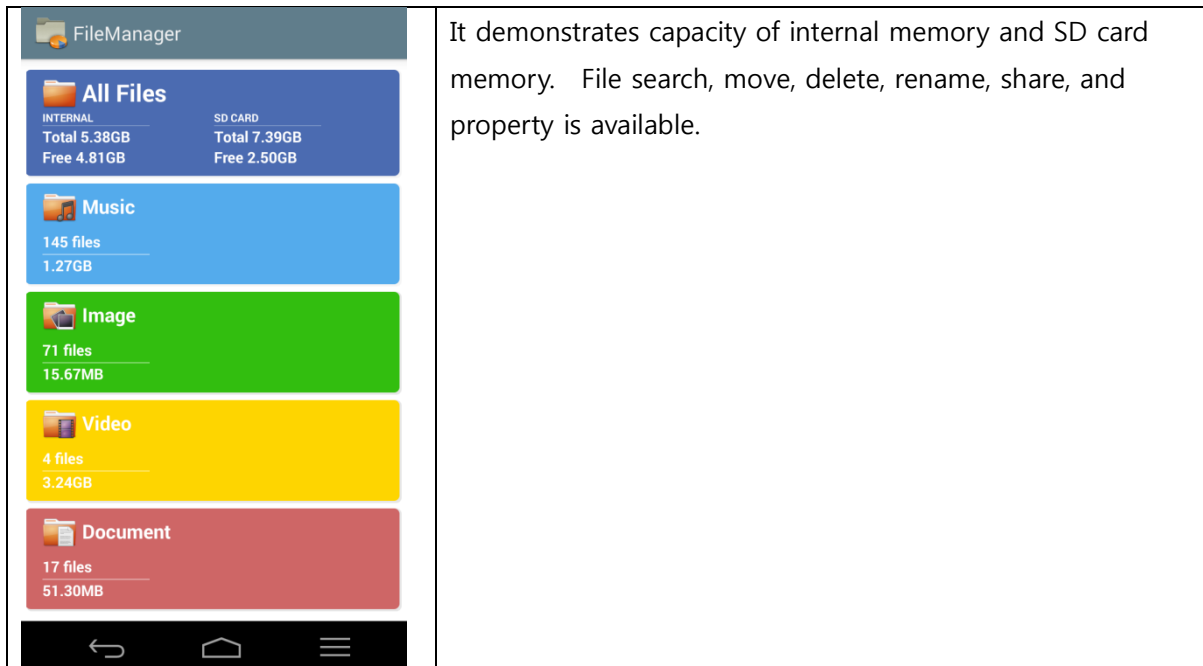
Setting Export / Import

	<p>Set up barcode configuration by programming, or export the set up to file</p>
--	--

Information

	<p>Demonstrate the installed barcode scanner to your device and application version information of your barcode scanner.</p> <p>Barcode tray program is able to be updated by OTA Update</p>
---	---

File Manager

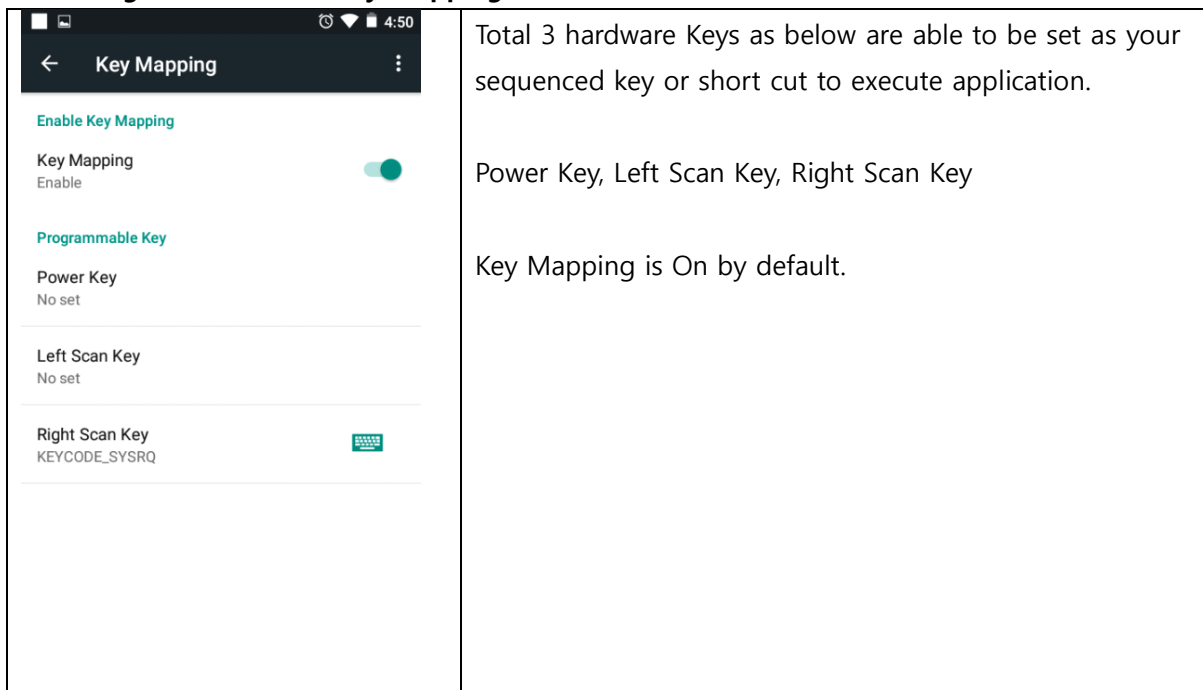


It demonstrates capacity of internal memory and SD card memory. File search, move, delete, rename, share, and property is available.

Key Mapping

It is enabling you to create a shortcut for repeating a sequence of keys or commands.

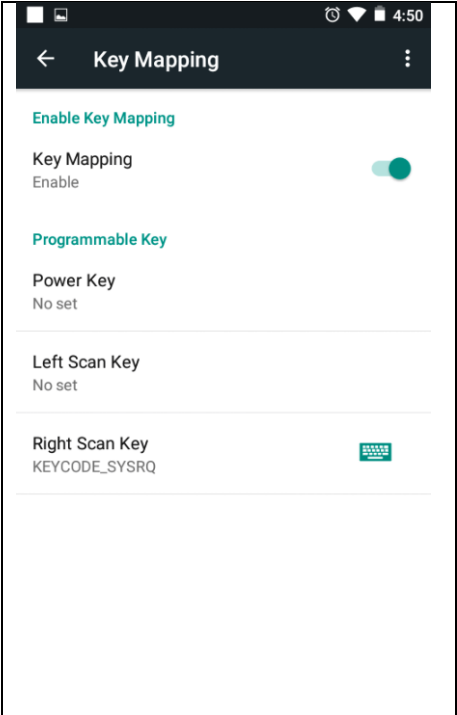
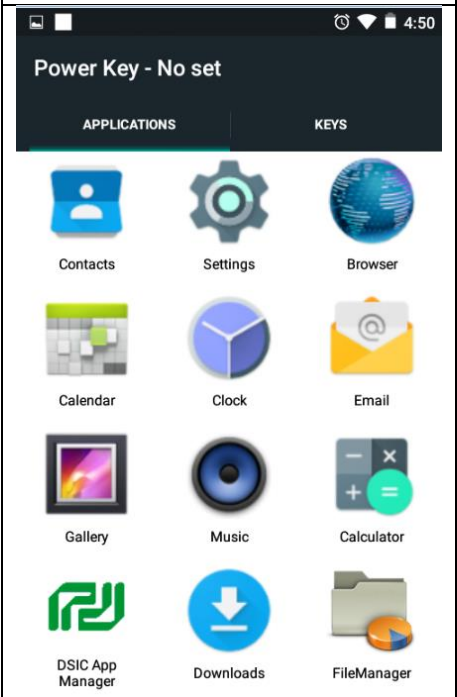
Go **Settings > Personal > Key Mapping**

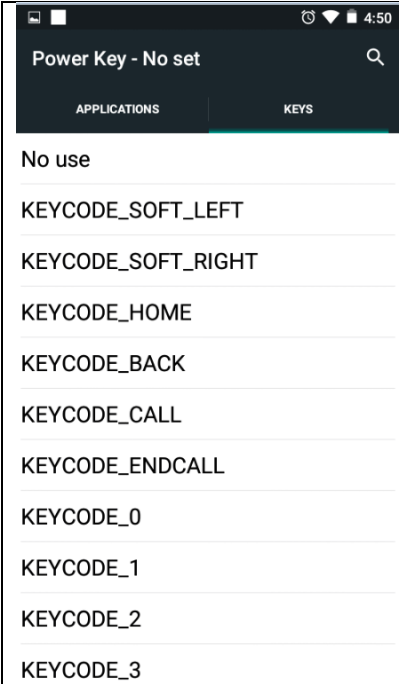
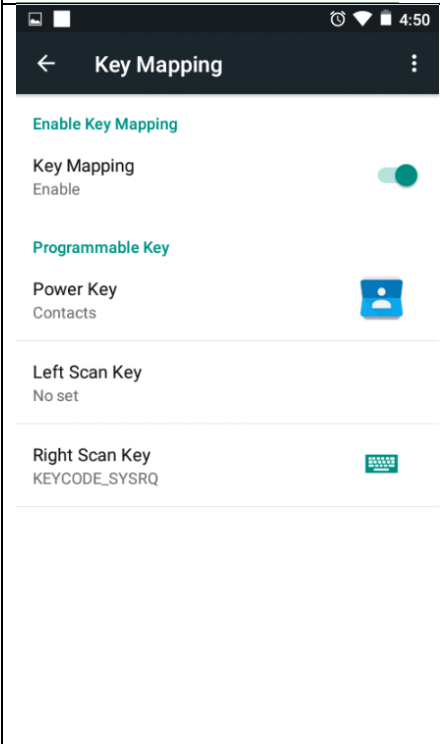


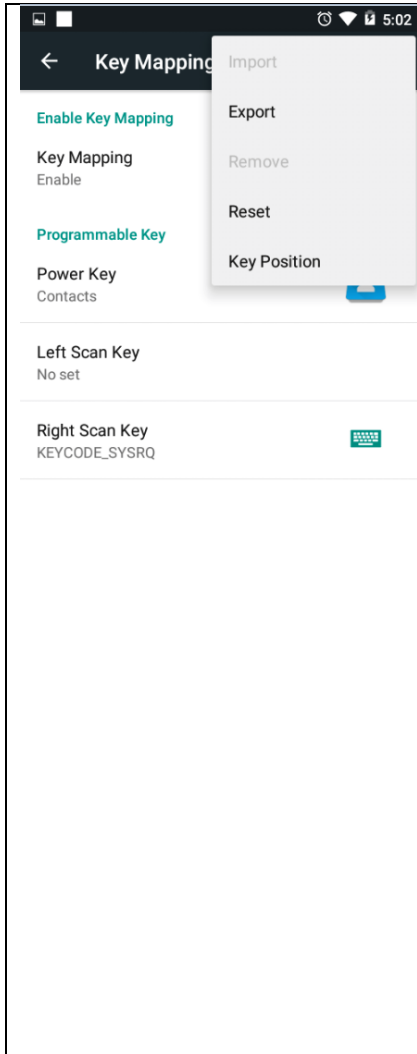
Total 3 hardware Keys as below are able to be set as your sequenced key or short cut to execute application.


Power Key, Left Scan Key, Right Scan Key

Key Mapping is On by default.

	<p>Select one of key in PROGRAMMABLE KEY</p>
	<p>You can select an application to short cut for execution</p>

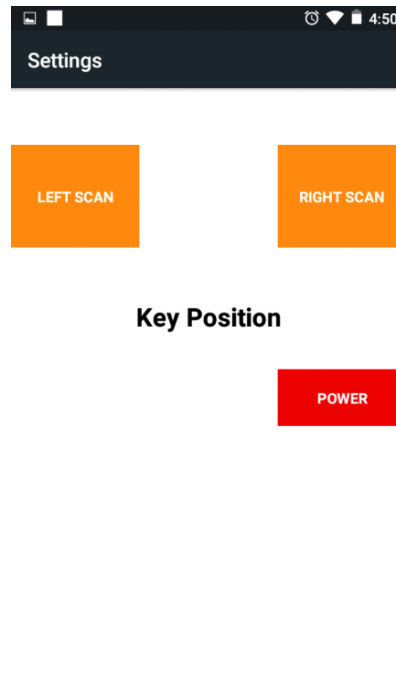
	<p>Or, swipe the screen to left to set sequence. When you select No use, then the key has no function</p>
	<p>To reset the function key, press the icon. Then you can reset the config.</p>



Press Menu icon  to import, export, remove, or reset your key mapping configuration

Key Position

You can set your key mapping with graphic interface as below



OTA Update

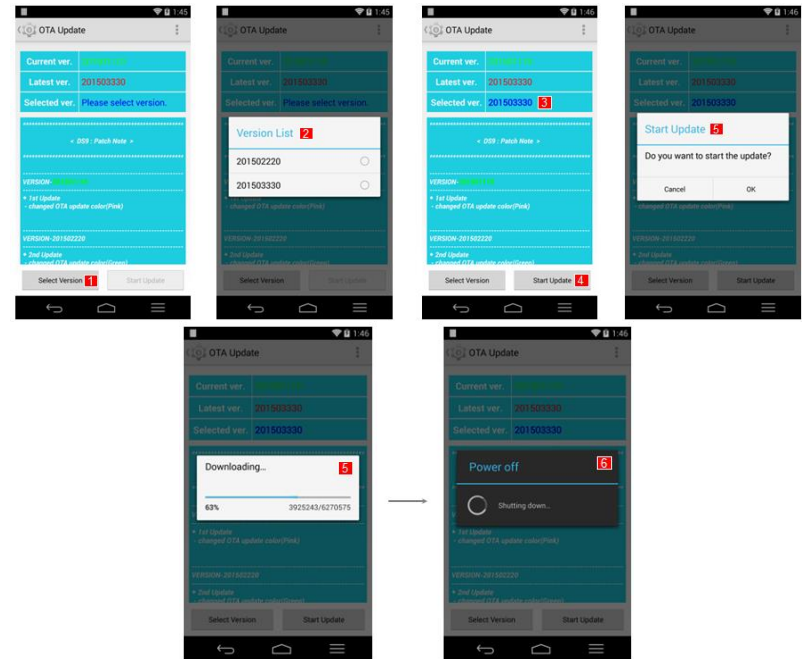
Go to Settings > About tablet > OTA Update Start > OTA Start



Check your available latest OS update at **Select Version**
Then touch **Start Update** button if you have available OS update.

After new OS download, your device will be restarted

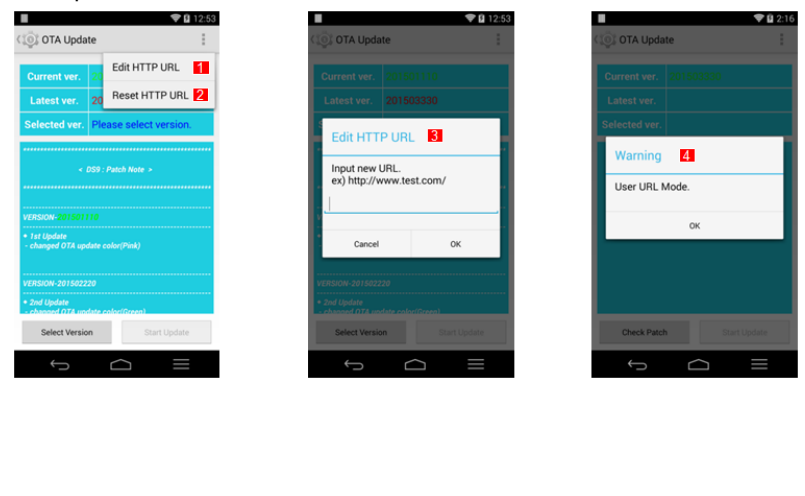
Examples



OS update by your own URL

Select Menu icon

Examples



Chapter 8: Developer's Guide

USB Driver

If you are Android developer, please download from below link and install on your PC before you connect DS2 to your PC. This is shell for ADB synchronization between your PC and DS2.

ADB: Android Development Bridge

This driver is useful when you have "Unknown device" message at your PC while you are connecting DS2 to your PC.

https://www.dropbox.com/s/zkfq3hesn60v/DS2_usb_driver.zip?dl=0

OS Update

You shall need below 5 types of files

- Boot.img
- Boot_ui_logo.bin
- Recovery.img
- System.img
- U-boot.bin

Update Instruction

Download your OS and install on your device as below

- Copy the firmware 5 files to root/sdfuse folder of the SD card
- Input micro SD card into your device
- **WHILE** pressing and holding **Power + Left Scan Key** on your device and, afterward to enter DSIC SD Download screen
- When OS image file has been copied and installed completely, **Done** will be displayed on your device screen.
- After the **Done** message, long press **power** button to restart your device

For latest OS, please contact your sales, or <http://www.mobilebaseglobal.com>

Emergency Update

When your device is not able to update OS with above OS Update guide due to hardware malfunction, please apply Emergency Update. Update guide is as below linked manual.

<https://www.dropbox.com/s/nuda9ig5af9h522/Emergency%20Update%20Manual.pdf?dl=0>

Barcode scanner API

Environments

To develop barcode scanner feature on your application, please download 2 files from below link.

- Barcode Sample_dsic
- DS2_usb_driver

<https://www.dropbox.com/sh/vatneib1h0828um/AAA2VgQkmW84czxEErD3IFena?dl=0>

SDK made by AIDL(Android Interface Definition Language) and Android SDK 19 version (Lollipop). AIDL service starts at Barcode Tray. To use SDK, Barcode Tray must be turned on.



Software Development Framework

Please refer below environment description of **Barcode Sample**

- Development Tool: Android Studio
- Android SDK version: API 19 (Lollipop 5.1.1)
- Interface: AIDL and Broadcast
- Tested version: JDK 1.6.0_45

Please refer Scan Start button and Stop button on the API. The structure is to control scanner module using AIDL for binding to barcode service

Basic Implementation

In case decode data without AIDL, The decoded data is spread by Broadcast. Two action shall be required, such as **Declaration** and **registry**.

- *Example of global declaration of broadcast*

```
BroadcastReceiver mBarcodeReadBroadCast = new BroadcastReceiver() {  
    @Override  
    public void onReceive(Context context, Intent intent) {  
        if (intent.getAction().equals("app.dsic.barcodetray.BARCODE_BR_DECODING_DATA")) {  
            BarcodeDeclaration.SYMBOLGY_IDENT symbology_ident =  
                BarcodeDeclaration.SYMBOLGY_IDENT.fromInteger(  
                    intent.getIntExtra("EXTRA_BARCODE_DECODED_SYMBOLE", -1));  
            TextView editText = (TextView) findViewById(R.id.editText);  
            if (symbology_ident != BarcodeDeclaration.SYMBOLGY_IDENT.NOT_READ) {  
                String data =  
                    "["+symbology_ident.toString()+"]"+  
                    intent.getStringExtra("EXTRA_BARCODE_DECODED_DATA");  
                editText.setText(data);  
            }else  
            {  
                editText.setText("NOT READ");  
            }  
        }  
    }  
};
```

- Name of Decoding Broadcast (*Modifiable*): `app.dsic.barcode tray.BARCODE_BR_DECODING_DATA`
- In case to modify the name of Decoding Broadcast, please use AIDL API.
- Decoding Broadcast contains below *Symbology Identification* and *Decoding data*

Contents	Type	Default Value	Description
Symbology identification	Integer	-1	It will be get with getIntExtra function. - Name of Extra: <code>EXTRA_BARCODE_DECODED_SYMBOLE</code> In case your decoding fail, such as <i>Scan stop</i> , or <i>Scan Time out</i> , you still shall be received Broadcast without decoded data.
Decoding data	String	UTF-8	It will be get with getStringExtra function. - Name of Extra: <code>EXTRA_BARCODE_DECODED_DATA</code>

- *Example of registry broadcast*

```
@Override
protected void onResume() {
    super.onResume();
    /*Set Broadcast receiver*/
    registerReceiver(mBarcodeReadBroadCast,
        new IntentFilter("app.dsic.barcodetray.BARCODE_BR_DECODING_DATA"));
}

@Override
protected void onPause() {
    super.onPause();
    /*AIDL Service disconnect*/
    unregisterReceiver(mBarcodeReadBroadCast);
}
```

Note: Above examples are an example. You can also add at Androidmanifest.xml.

Controlling scanning & barcode using AIDL

It is able to control scanning and barcode setting used by AIDL, such as start and stop, disabling specific symbology identification. Below is introduction of some general part of function out of AIDL which is including many functions. Many of functions don't need to intent service implement. Some are using only barcode tray. For details, please refer Common APIs.

Step 1: Connect to AIDL

```
import app.dsic.barcodetray.IBarcodeInterface;

private IBarcodeInterface mBarcode;
/*AIDL Service Connection*/
private ServiceConnection srvConn =
    new ServiceConnection() {
        @Override
        public void onServiceConnected(ComponentName name, IBinder service) {
            mBarcode = IBarcodeInterface.Stub.asInterface(service);
        }

        @Override
        public void onServiceDisconnected(ComponentName name) {
            mBarcode = null;
        }
    };
@Override
```

```
protected void onResume() {
    super.onResume();
    /*AIDL Service connect*/
    bindService(new Intent("app.dsic.barcodetray.IBarcodeInterface"),
                srvConn, BIND_AUTO_CREATE);
}

@Override
protected void onPause() {
    super.onPause();
    /*AIDL Service disconnect*/
    unbindService(srvConn);
}
```

Step 2: Copy *IBarcodeInterface.aidl* package in your source code. Then, make *serviceConnection* global value and set barcode. Barcode interface value. Bind and unbind service at resume and pause.

The API related files

API has consisted as below;

- BarcodeDeclaration.java
- IBarcodeInterface.aidl

BarcodeDeclaration.java

This is declaration files related to return value and parameter. Below is meaning of each declaration in the file;

- BARCODE_RESULT: API return value
- RECEIVE_TYPE: Receiving method for decoded data
- SCAN_NOTIFICATION: Determine how to notification when decoding barcode
- DELAY_MODE: Determine the speed of data transmission when keyboard event mode
- SYMBOLOGY_IDENT: It changes the broadcasted *Symbology ident integer* to actual data
- SYMBOLOGY_ENABLE: It determines usability for a specific symbology

Please refer below table for return values and parameters of each declaration

Declaration	Type	Related APIs	Values		Applied Version
			Value	Description	
BARCODE_RESULT	Return Value	All APIs	RESULT_SUCESS	Success	1.0.11
			RESULT_UNKNOWN	Unknown result	1.0.11
			RESULT_NOT_YET_IMPLEMENT	Unimplemented API	1.0.11
			RESULT_NOT_SUPPORT	Not supporting in this version	1.0.11
			RESULT_OPENED	You are trying to open again, even while it has been open already	1.0.11
			RESULT_CLOSED	You are trying to close again, even while it has been closed already	1.0.11

			RESULT_OPEN_FAIL	Barcode scanner open fail	1.0.11
			RESULT_NOT_ON_SCANNING	Do not use anymore	1.0.11
			RESULT_SCAN_DISABLE	Scanning disable status	1.0.11
			RESULT_DRIVER_ERROR	Error in barcode driver layer	1.0.11
RECEIVE_TYPE	Parameter Value	<ul style="list-style-type: none"> void SetRecvType(int nRecvType) int GetRecvType() 	INTENT_EVENT	<p>It is receiving data with INTENT method. Regarding Action Name and Extra Value of the specific INTENT, please refer below;</p> <ul style="list-style-type: none"> GetIntentName() GetIntentBarcodeData() GetIntentSymData() 	1.0.11
			KEYBOARD_EVENT	Print decoding data typing with virtual keyboard	1.0.11
			CLIPBOARD_EVENT	After putting the decoded data in Clipboard, print it using Menu + V key	1.0.11
SCAN_NOTIFICATION	Parameter Value	<ul style="list-style-type: none"> Int GetScanSuccessNoti() void SetScanSuccessNoti(int nNoti) int GetScanFailNoti() void SetScanFailNoti(int nNoti) 	NOTI_MUTE	No sound	1.0.11
			NOTI_SOUND	Sound	1.0.11
			NOTI_VIB	Vibration	1.0.11
			NOTI_SOUND_VIB	Sound and vibration	1.0.11
DELAY_MODE	Parameter Value	<ul style="list-style-type: none"> int GetDelayMode() void SetDelayMode(int nMode) int GetCustomDelayTime() void SetCustomDelayTime(int nDelayTime) int GetDelayTime() 	DELAYMODE_NONE	0 sec	1.0.11
			DELAYMODE_SLOWLY	0.1 sec	1.0.11
			DELAYMODE_NORMAL	0.01 sec	1.0.11
			DELAYMODE_FAST	0.001 sec	1.0.11
			DELAYMODE_USER_DEFINITION	User programmable option	1.0.11
SYMBOLGY_IDENT	Symbology identity	<ul style="list-style-type: none"> BroadcastReceiver (@Override public void onReceive(Context context, Intent intent) 	Please refer BarcodeDeclaration.java file		1.0.11
SYMBOLGY_ENABLE	Parameter Value	<ul style="list-style-type: none"> boolean SE4750_SetSymbologyEnable(int nIdent,boolean bEnable) 	Please refer BarcodeDeclaration.java file		1.0.11

IBarcodeInterface.aidl

These files are to communicate with barcode service

Name	Description of function	Parameter	Return Value	User Accessibility	Version
Open()	It activates barcode scanner module	None	Int (BARCODE_RESULT)		1.0.11
Close()	It deactivates barcode scanner module	None	Int (BARCODE_RESULT)		1.0.11
IsBarcodeOpened()	It is to check activation status of barcode scanner module	None	boolean	√	1.0.11
ScanStart()	It starts barcode scanning	None	Int (BARCODE_RESULT)	√	1.0.11
ScanStop()	It stops barcode scanning	None	Int (BARCODE_RESULT)	√	1.0.11
IsScanEnable()	It is to check usability of barcode scanning	None	boolean	√	1.0.11
SetScanEnable(boolean bEnable)	It is to set to enable/disable scanning	boolean bEnable	void	√	1.0.11
GetVersionInfo()	It brings version information of the scanner module	None	String	√	1.0.11
SetScanTimeout()	It is to set maximum term of reading per single triggering	float nTimeout	boolean	√	1.0.11
GetScanTimeout()	It is to get maximum term of reading per single triggering	None	float	√	1.0.11
GetRecvType()	It determines how to receive decoded data between Intent, keyboard, or clipboard methods	None	Int (RECEIVE_TYPE)	√	1.0.11
SetRecvType(int nRecvType)	it is to check how to receive decoded data between Intent, keyboard, and clipboard methods	int nRecvType	void	√	1.0.11
SetPrefix1(String strPrefix1)	It determines value of the first prefix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	String strPrefix1	boolean		1.0.11
GetPrefix1()	It is to check value of the first prefix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	None	String		1.0.11
SetPrefix2(String strPrefix2)	It determines value of the second prefix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	String strPrefix2	boolean		1.0.11
GetPrefix2()	It is to check value of the second prefix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	None	String		1.0.11
SetSuffix1(String strSuffix1)	It determines value of the first suffix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	String strSuffix1	boolean		1.0.11
GetSuffix1()	It is to check value of the first suffix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	None	String		1.0.11
SetSuffix2(String strSuffix2)	It determines value of the second suffix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	String strSuffix2 It is available for only 1 character.	boolean		1.0.11

		<i>Example:</i> "A" "a" "B" "b" <i>Exception:</i> EMPTY: "EMPTY" TAB: "TAB" ENTER: "ENTER" SPACE: "SPACE"			
GetSuffix2()	It is to check value of the second suffix in KEYBOARD_EVENT, or CLIPBOARD_EVENT	None	String		1.0.11
GetEnableKeyupStop()	It is to determine scan stop, or maintain until time out after release scanner trigger. If you set to true , it stops immediately. If false , it maintains until time out	None	Boolean		1.0.11
SetEnableKeyupStop(boolean bSetEnableKeyupStop)	It is to determine scan stop, or maintain until time out after release scanner trigger. If you set to true , it stops immediately. If false , it maintains until time out	boolean bSetEnableKeyupStop	void		1.0.11
GetMultiScan()	It gets choice of multi scanning availability	void	Boolean		1.0.11
SetMultiScan(boolean bEnable)	It set choice of multi scanning availability	boolean bEnable	void		1.0.11
GetScanSuccessNoti()	It gets what kind of alarm event when scanning succeed	void	Int (SCAN_NOTIFICATION)	√	1.0.11
SetScanSuccessNoti(int nNoti)	It set what kind of alarm event when scanning succeed	int nNoti	void	√	1.0.11
GetScanFailNoti()	It gets what kind of alarm event when scanning fail	void	Int (SCAN_NOTIFICATION)	√	1.0.11
SetScanFailNoti(int nNoti)	It set what kind of alarm event when scanning fail	int nNoti	void	√	1.0.11
GetDelayMode()	It gets Delay Mode	void	Int (DELAY_MODE)	√	1.0.11
SetDelayMode(int nMode)	It sets Delay Mode	int nMode	void		1.0.11
GetCustomDelayTime()	It gets Delay Time for user customized delay	void	Int		1.0.11
SetCustomDelayTime(int nDelayTime)	It set Delay Time for user customized delay	int nDelayTime	void		1.0.11
GetDelayTime()	It gets current Delay Time	void	Int		1.0.11
GetIntentName()	It gets Action Name of broadcast when Intent Event Default value: "app.dsic.barcodetray.BARCODE_BR_DECODING_DATA"	void	String	√	1.0.11
SetIntentName(String IntentName)	It is to set Action Name of broadcast when Intent Event	String IntentName	void	√	1.0.11

GetIntentBarcodeData()	It gets Action Name of broadcast when Intent Event. Default value: "EXTRA_BARCODE_DECODED_DATA"	Void	String	√	
SetIntentBarcodeData(String BarcodeData)	It is to set Barcode Data Name when Intent Event	String BarcodeData	void	√	
GetIntentSymData()	It gets name of barcode symbology data of broadcast when Intent event Default value: "EXTRA_BARCODE_DECODED_SYMBOLE"	Void	String	√	
SetIntentSymData(String SymData)	It set barcode symbology name of broadcast when Intent Event	String SymData	void	√	
GetDecodingCharset()	It gets the used charset when decoding	Void	String	√	
SetDecodingCharset(String strCharset)	It sets using Character Set when decoding	¹ SetDecodingCharset(String strCharset)	boolean	√	
GetURLDirection()	It get the choice to view with internet browser when barcode has included URL	Void	boolean		
SetURLDirection(boolean bEnable)	It determines to show with internet browser when barcode has included URL	boolean bEnable	boolean		
SetAllSymbologyEnable()	It is enabling all types of barcode symbologies	None	Void	√	
SetAllSymbologyDisable()	It is disabling all types of barcode symbologies	None	Void	√	
SetSymbologyEnable(int nIdentifier;boolean bEnable)	It is enabling/ disabling for specific barcode symbologies	int nIdent * SYMBOLOGY_IDENT boolean bEnable * Scanning availability	Boolean	√	

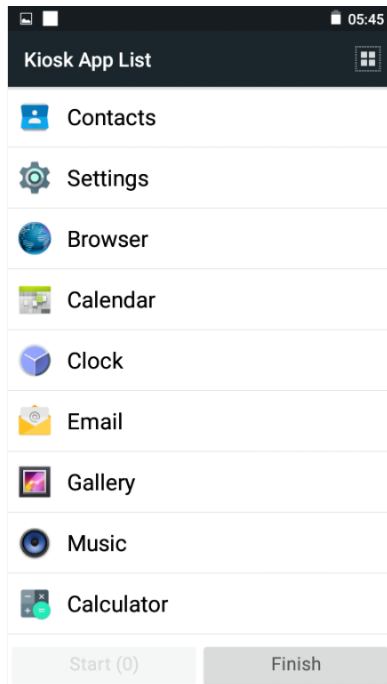
¹ **Available character set:** IBM00858, IBM437, IBM775, IBM850, IBM852, IBM855, IBM857, IBM862, IBM866, ISO-8859-1, ISO-8859-2, ISO-8859-4, ISO-8859-5, ISO-8859-7, ISO-8859-9, ISO-8859-13, ISO-8859-15, KOI8-R, KOI8-U, US-ASCII, UTF-8, UTF-16, UTF-16BE, UTF-16LE, UTF-32, UTF-32BE, UTF-32LE, x-UTF-32BE-BOM, x-UTF-32LE-BOM, windows-1250, windows-1251, windows-1252, windows-1253, windows-1254, windows-1257, x-IBM737, x-IBM874, x-UTF-16LE-BOM, Big5, Big5-HKSCS, EUC-JP, EUC-KR, GB18030, GB2312, GBK, IBM-Thai, IBM01140, IBM01141, IBM01142, IBM01143, IBM01144, IBM01145, IBM01146, IBM01147, IBM01148, IBM01149, IBM037, IBM1026, IBM1047, IBM273, IBM277, IBM278, IBM280, IBM284, IBM285, IBM297, IBM420, IBM424, IBM500, IBM860, IBM861, IBM863, IBM864, IBM865, IBM868, IBM869, IBM870, IBM871, IBM918, ISO-2022-CN, ISO-2022-JP, ISO-2022-KR, ISO-8859-3, ISO-8859-6, ISO-8859-8, JIS_X0201, JIS_X0212-1990, Shift_JIS, TIS-620, windows-1255, windows-1256, windows-1258, windows-31j, x-Big5-Solaris, x-euc-jp-linux, x-EUC-TW, x-eucJP-Open, x-IBM1006, x-IBM1025, windows-1258, windows-31j, x-Big5-Solaris, x-euc-jp-linux, x-EUC-TW, x-eucJP-Open, x-IBM1006, x-IBM1025, x-IBM1046, x-IBM1097, x-IBM1098, x-IBM1112, x-IBM1122, x-IBM1123, x-IBM1124, x-IBM1381, x-IBM1383, x-IBM33722, x-IBM834, x-IBM856, x-IBM875, x-IBM921, x-IBM922, x-IBM930, x-IBM933, x-IBM935, x-IBM937, x-IBM939, x-IBM942, x-IBM943, x-IBM943C, x-IBM948, x-IBM949, x-IBM949C, x-IBM950, x-IBM964, x-IBM970, x-ISCII91, x-ISO2022-CN-CNS, x-ISO2022-CN-GB, x-iso-8859-11, x-JIS0208, x-JISAutoDetect, x-Johab, x-MacArabic, x-MacCentralEurope, x-MacCroatian, x-MacCyrillic, x-MacDingbat, x-MacGreek, x-MacHebrew, x-MacIceland, x-MacRoman, x-MacRomania, x-MacSymbol, x-MacThai, x-MacTurkish, x-MacUkraine, x-MS950-HKSCS, x-mswin-936, x-PCK, x-SJIS_0213, x-windows-50220, x-windows-50221, x-windows-874, x-windows-949, UTx-windows-950, x-windows-iso2022jp

KIOSK MODE

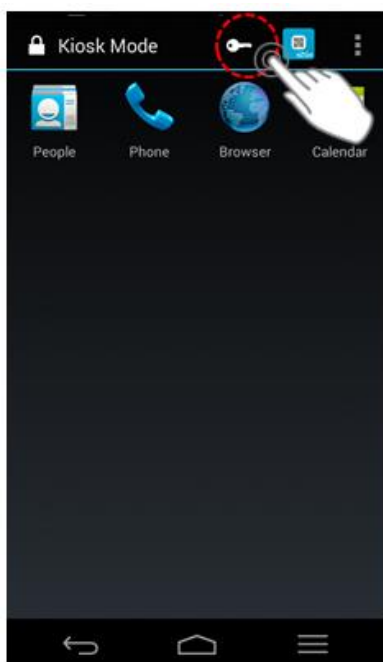
Kiosk mode is enabling to lock down unwanted device misuse. It is to control which application and device features can be used by user such as blocking access to games, social media apps and etc. When you allow access to business application apps, KIOSK MODE will ensure that the user cannot access anything other than those allowed application.

Select **Settings** > **Kiosk Mode** > **Enable Kiosk Mode** > Input Admin Password: default **"0000"**

After enter Kiosk Mode, select necessary applications from **Kiosk App List** as below. Touch **Start**

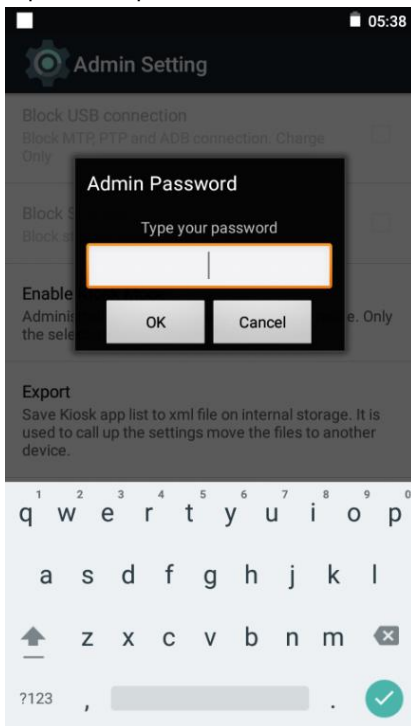


To return **Kiosk App List**, touch key icon on top of the screen.



Password change

Input new password more than 4 characters

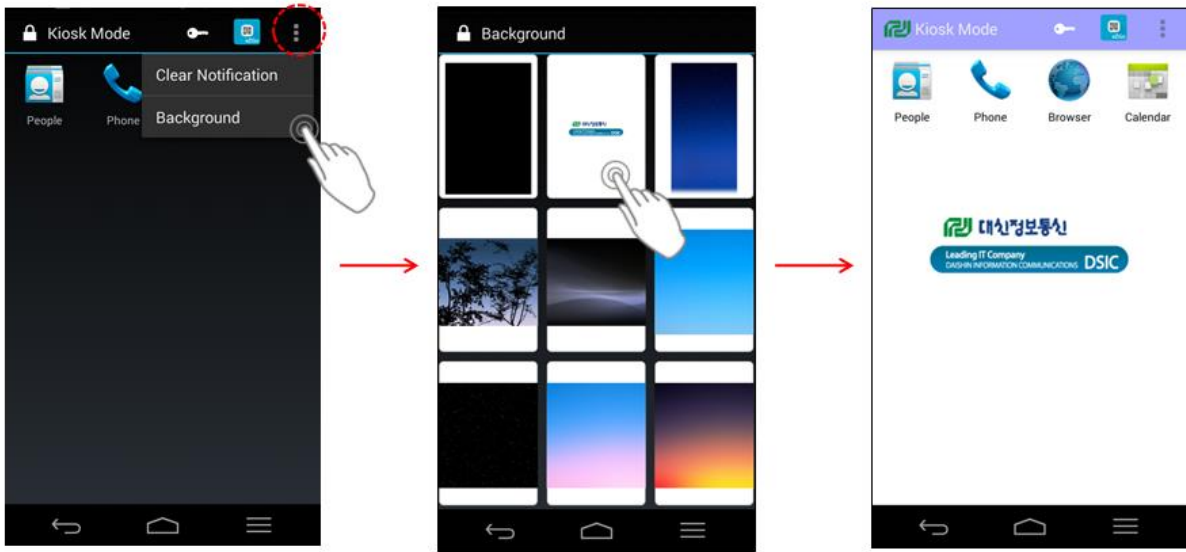


Notification clear



Setting Background

Select **Menu** > **Background** > Wall paper image

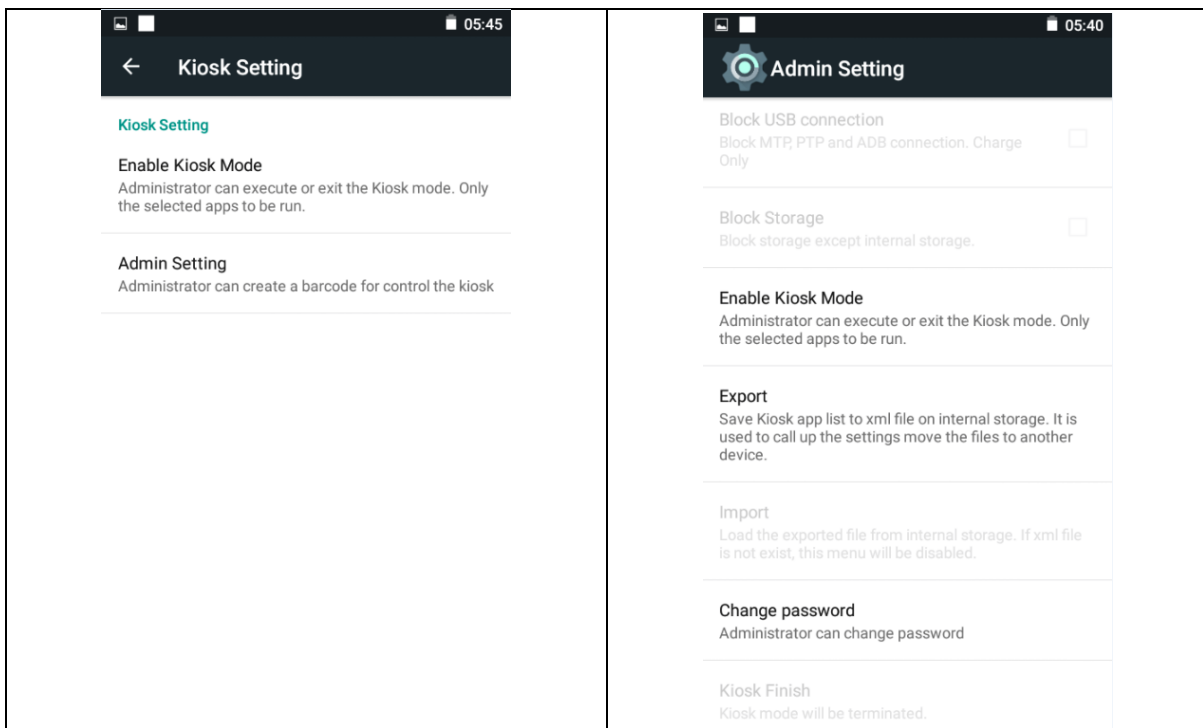


Admin Setting

Select **Admin Setting** to export KIOSK setting information of the device by email, or xml file, such as allowed APP List, KIOSK On, KIOSK Off and new password.

If you want to assign special email account, then select **Receive Email**.

To check the exported file, go **File Manager** > **All Files** > **Internal** > **DSIC** > **kiosk**



Device Administration

Go **Settings** > **Security** > **Device administrators** > XXXXX (Your application) > **Activate**

You use the Device Administration API to write device admin applications that users install on their devices. The device admin application enforces the desired policies. Here's how it works:

- A system administrator writes a device admin application that enforces remote/local device security policies. These policies could be hard-coded into the app, or the application could dynamically fetch policies from a third-party server.
- The application is installed on users' devices. Android does not currently have an automated provisioning solution. Some of the ways a sysadmin might distribute the application to users are as follows:
 - Google Play (Not supported in DS2)
 - Enabling installation from another store
 - Enabling installation from another store
- The system prompts the user to enable the device admin application. How and when this happens depends on how the application is implemented.
- Once users enable the device admin application, they are subject to its policies. Complying with those policies typically confers benefits, such as access to sensitive systems and data.

For more information, please refer below link

<http://developer.android.com/guide/topics/admin/device-admin.html>

