

DS5A USER MANUAL



Android 9.0

ISO 9001 Certified
Quality Management System

Revision History

Changes to the original Manual are listed below

Date	Version	Description
Jan 2020	1.0	Initial release
May 2020	1.1	Update below contents - FOTA update - MDM - AutoSetting
June 2020	1.2	Update OS update

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SAFETY INSTRUCTION

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

- Make sure that battery terminals (metal part) should not contact with any conductive materials like a necklace or coin. Also make sure that batteries should not be damaged by teeth or a nail. Impact may cause an explosion of batteries
- Use dedicated batteries only and do not use the batteries for any other purpose than operating this product. Using an inauthentic battery may reduce life 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 life of batteries or cause an explosion.

Caution in relation with Laser Scanner



Do not flashing scanner light in human and animal's eyes. It could cause the damage of 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, 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 life due to the characteristics of the battery.

CHAPTER 1: INTRODUCTION

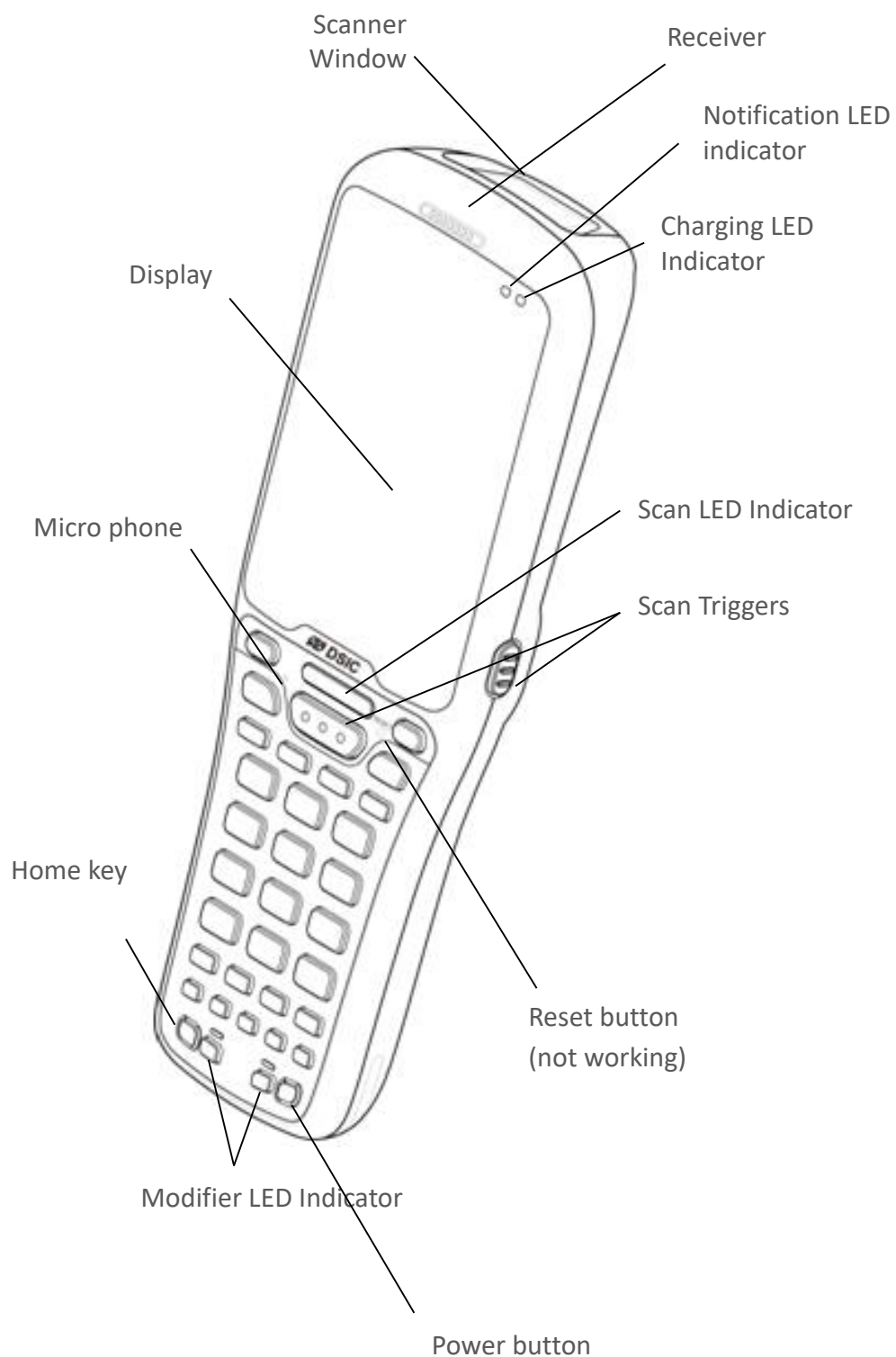
The DS5A is a rugged mobile computer for use data capture and automation in retail, warehouse and other field applications. The DS5A convenient features and capabilities at your hand, including barcode scanning, image capturing with built-in camera, and real-time mobile communications through WWAN and WLAN network.

This chapter will describe features of DS5A by front, back views, battery and power adapters.

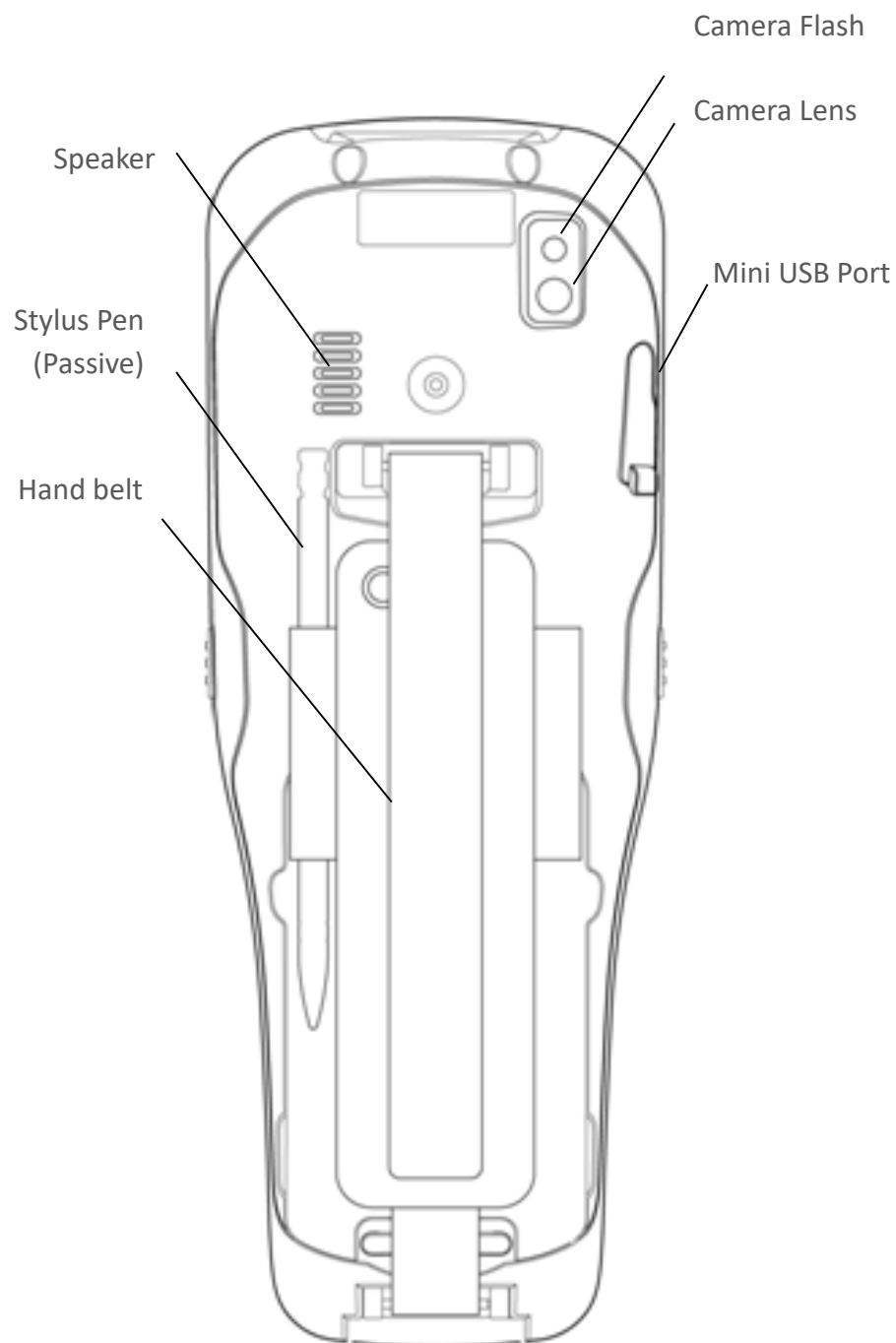
Not all features described in this guide may be available on your device. If you find that a feature is not available, contact your system administrator.

Overview of terminal features

Front View



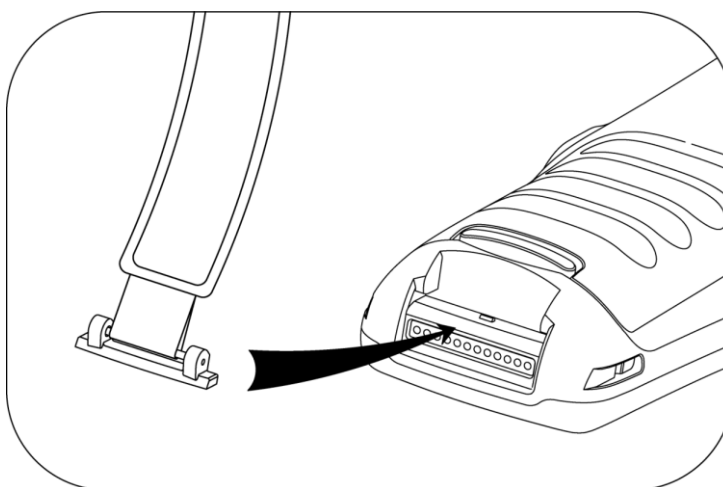
Back View



Hand Strap Removal and Replacement

To remove hand strap:

1. Rip the Velcro strap off
2. Take out the Velcro strap from the upper loop
3. Force to pull out lower loop from the terminal



Battery



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.

Battery power source

Series	Description
DS5A	3.65V, 5,800mAh (10.40 Wh)

You may need to fully charge the battery before using your terminal for the first time. Battery can be charged using below listed accessories

Charging Accessory	Charging Time	Specification
Mini USB cable	About 4hours 30minutes	5V, 3A
Desktop cradle and AC adapter	About 4hours 30minutes	5V, 3A
Quad battery charger	About 4hours 30minutes	5V, 12A



Note

In combination with Vehicle cradle, the terminal can be charged on vehicle

CHAPTER 2: GETTING STARTED

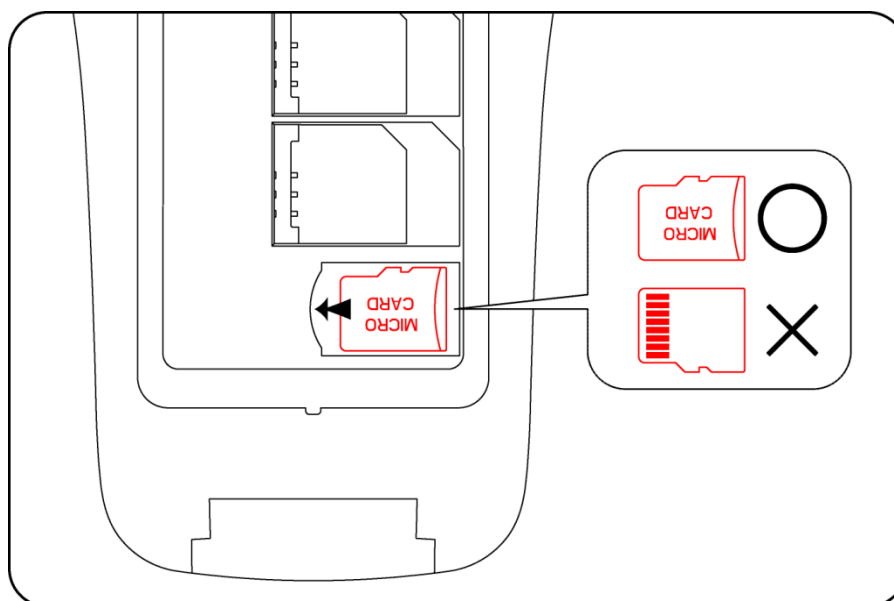
This chapter will describe how to install and charge battery, mount micro SD card and start up the terminal.

To start up the terminal:

- Installation Micro SD card
- Battery Mounting and Operation
- Connecting power source
- Operating power of the terminal
- Home Screen
- Organize your Home screens
- Touch & Type
- Android version & updates

Installation micro SD card

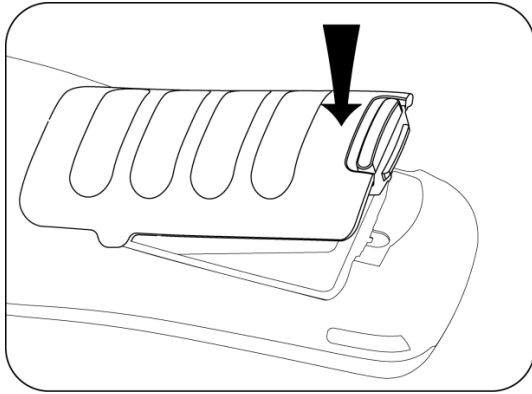
Insert the micro SD card carefully as shown in the following illustrations. Make sure the micro SD card terminal position before insert the micro SD card. Push the back end of the micro SD card to fix it at the last step.



Note

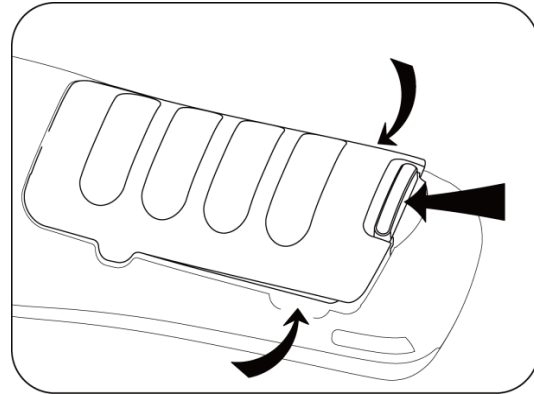
- Do not use the power too much when you insert the micro SD card. The micro SD card may be damaged.
- If you install the micro SD card in the wrong position, the micro SD card may be damaged or it may cause the malfunction of the micro SD card Slot.
- Keep the terminal part of the micro SD card in clean. Be careful the terminal part of the micro SD card not to dusty
- As the micro SD card is consumable, the micro SD card end its days and may be not able to save data if you use it more than over certain times. In this case, replace micro SD card to buy a new one.

Battery Mounting and Operation



Push the battery release and mount clear the battery to terminal and gently release it.

Inserting the battery



Push the battery release toward the top of terminal until the battery released and lift it up

Remove the battery



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 lifespan and battery life, we recommend following these simple guidelines;

- Avoid heat and humidity
- If do not use the terminal regularly, fully recharge the battery at least once per month.
- Do not leave the terminal connected to a charging device for longer than 3 days.
- Use only charging adapter approved
- In case of storing terminal 3 months or longer,
 - The best temperature for proper care and storage is between 0~25°C
 - Extended storage can cause batteries to discharge deeply, which can deteriorate the cell and reduce battery capacity, service life and ability to recharge. It is suggested, therefore, that the battery be fully charged before putting to the terminal in extended storage and that it be recharged fully every three months while in storage
- Update the terminal Operating System as new updates 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 an expert hazardous material is required.

Disposal

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

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Connecting Power Source

Connect power, using one of the methods listed below.

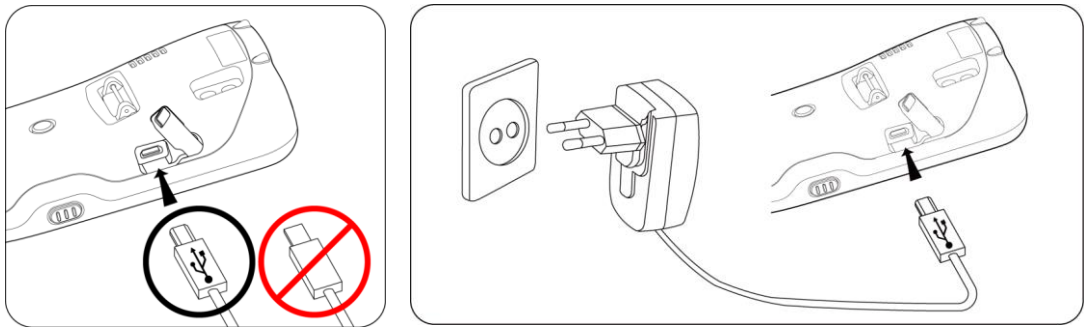
 Caution

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

 Note

Failure to unplug the wall charger before you remove the battery, can cause damage to the terminal

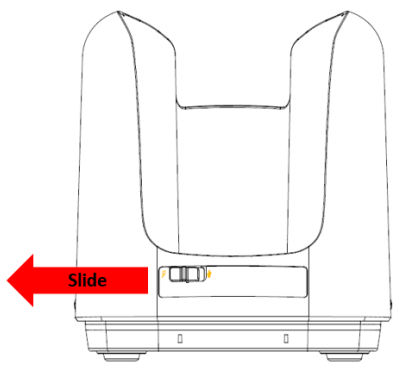
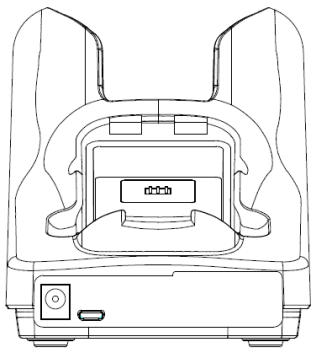
To use mini USB Travel Charger



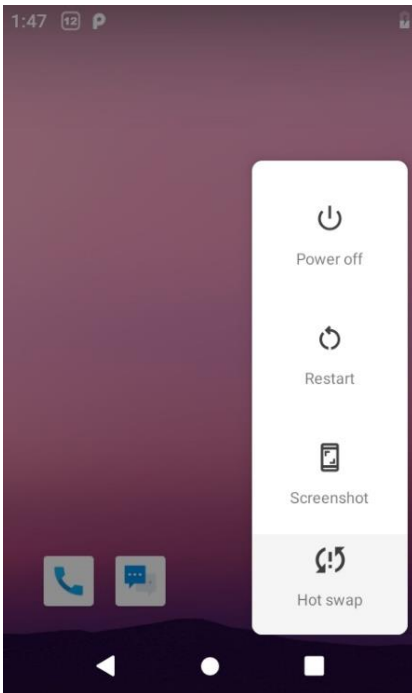
1. Plug the flat end of the mini USB Travel Charger into the Power interface connector and the other end into standard AC wall outlet
2. When charging is finished, remove the flat end from the interface connector jack on the terminal

To use Cradle

1. Plug the AC power cord into cradle and plug the other end into a wall outlet.
2. Slide the cradle switch to Charge mode

Cradle Front View	Cradle Back View
	
Slide switch: Slide the switch to choose charge or data sync mode	USB Port, Adapter Port, Spare battery Slot

Operating power of the terminal



Power on / off

Make a long press **Power button** at the right bottom side of the keyboard. When you turn on your device for the first time, you'll see a Welcome screen. Choose the language & time you want and touch Start or the Start icon. To turn off the device, 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 bottom side of the keyboard. Select **Restart**. Your device will shut down and restart.

Note

In case you need to force to restart your device, such as device hang up, make a long press **Power button** until the device turns off. (Approximately 10 secs). After it turns off, start the device again. Your data in storage will be retained in terminal while not saved data will be in lost.

Hot swap

To replace your battery without shutting down your device system, long press the **Power button** and select **Hot swap**. Blue LED shall be blinked, then replace the battery.

Home Screen

Make yourself at home. After you finish setting up your device, the Home screen appears for the first time. Touch an icon to run an application you want.

Favorites Tray

At the bottom of home screen you'll find the Favorites tray
Favorites tray is a quick way to run your apps.
Here's what it looks like on a DS5A.



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.

DS5A navigation buttons

At the bottom of DS5A screen, you'll always find the navigation bar with three buttons:



Back

Opens the previous screen you were working in, even if it was in a different app. Once you back up to Home screen, you can't go back any further.



Home

Opens the central Home screen.



Recent apps

Press Recent Apps 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.

Organize your Home screens

To change the wallpaper for your Home screens, touch & hold the background.

To add an app icon to a Home screen:

1. Go to the Home screen.
2. Touch the **All Apps** icon.
3. Search the app you want to add on Home screen.
4. Touch & hold the app until it shows a menu, then move it to move to home screen.
5. lift your finger to place the app on position.

To add a Widget to the Home screen on a DS5A, touch & hold the background.

When menu appears, touch Widgets to find the widget you want.

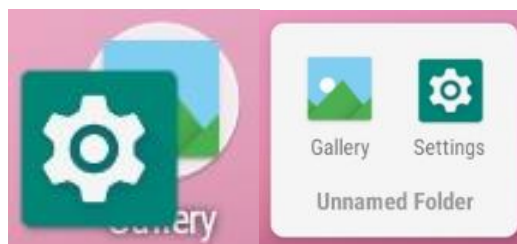
Again, touch & hold the widget to add it to Home screen.

To move an app or widget to another position:

1. Touch & hold the app or widget.
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.

To create a folder, slide one icon quickly over another.

To name or rename a folder, open it and touch its name.



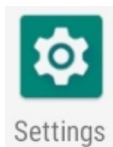
Touch & type

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 of 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.
- **Rotate the screen.** The orientation of most screens rotates with your device as you turn it. 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**.



You can open your device's Settings app from the All Apps screen or from Quick Settings. For example, to change notification sounds, volumes, and more, go to **Settings > Device > Sound**

To change brightness, font size, and more, go to **Settings > Device > Display**.

Android version & updates

To check your version number or get the latest system update for a DS5A,

go to Settings > System > About phone. 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.

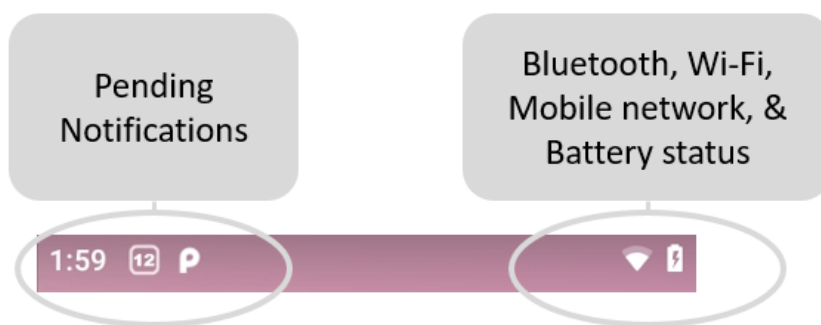
For comprehensive online help and support, including details about Android 9.0, visit <http://support.google.com/android>

CHAPTER 3: BASIC USE

Notifications & settings

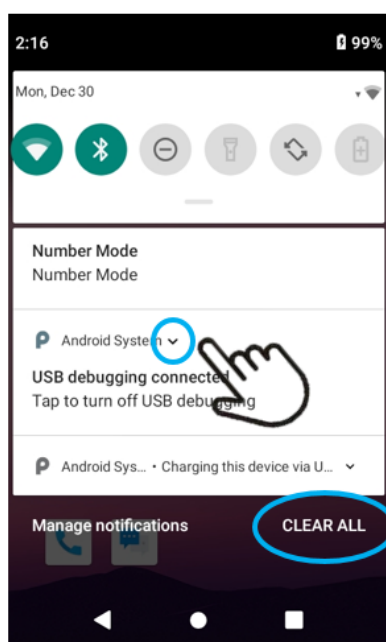
Notifications alert you to the arrival of new messages, calendar events, and alarms, as well as ongoing events.

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 twice from notification bar.

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.



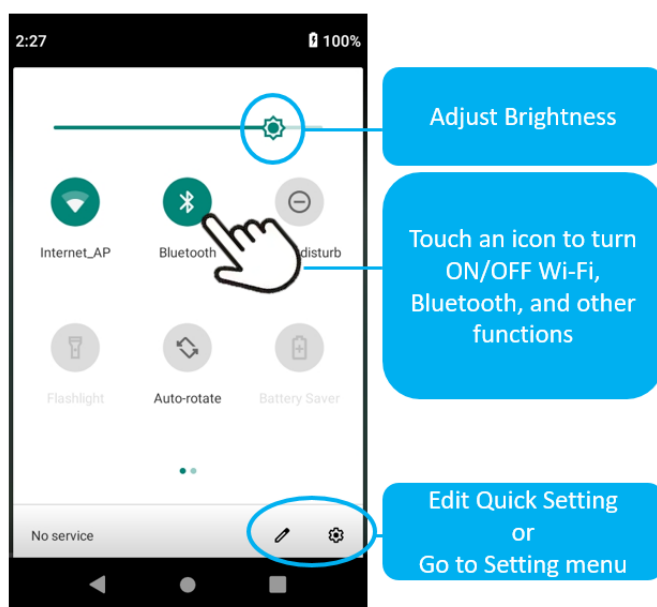
Touch arrow one finger
to expand certain
notification

Clear all

1. To open the related app, touch the notification message. Some notifications also allow you to take specific actions by touching arrow.
2. To remove a notification, just swipe it to the left/right.
3. To Clear all notifications, touch the Clear All icon at the bottom.

Quick Settings

Use Quick Setting to easily access Wi-Fi settings, manage display brightness, open the main Settings menu, and more. To open Quick Settings, swipe down from the top of the screen twice with one finger.

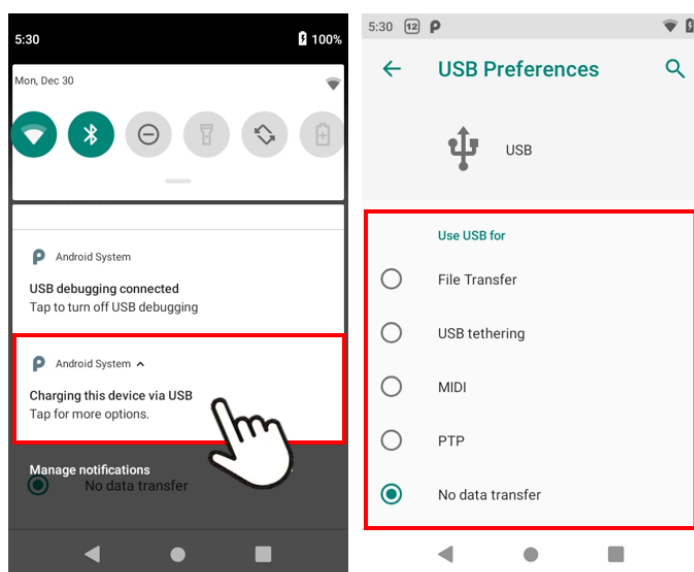


Data Sync

How to Connect with PC

To connect the device with PC, follow the steps below.

1. Connect the device to a PC via Desktop cradle or USB cable. You will see Android Pie icon on the notification bar. (In case of using Cradle, make sure to move **Slide switch** to **Sync Mode**.)
2. Swipe the notification bar to downward.
3. Touch the marked tap to select the connection mode.

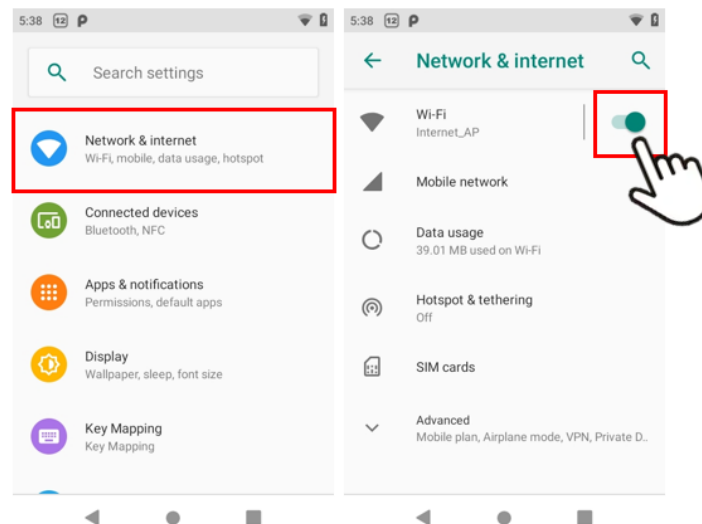


Menu	Description
File Transfer	Transfer files to another device
USB tethering	
MIDI	Use this device as MIDI for an instrument application.
PTP	Transfer photos
No data transfer	Only for charging, Data transfer is not available.

Wi-Fi

Go to **Settings > Network & Internet > Wi-Fi**

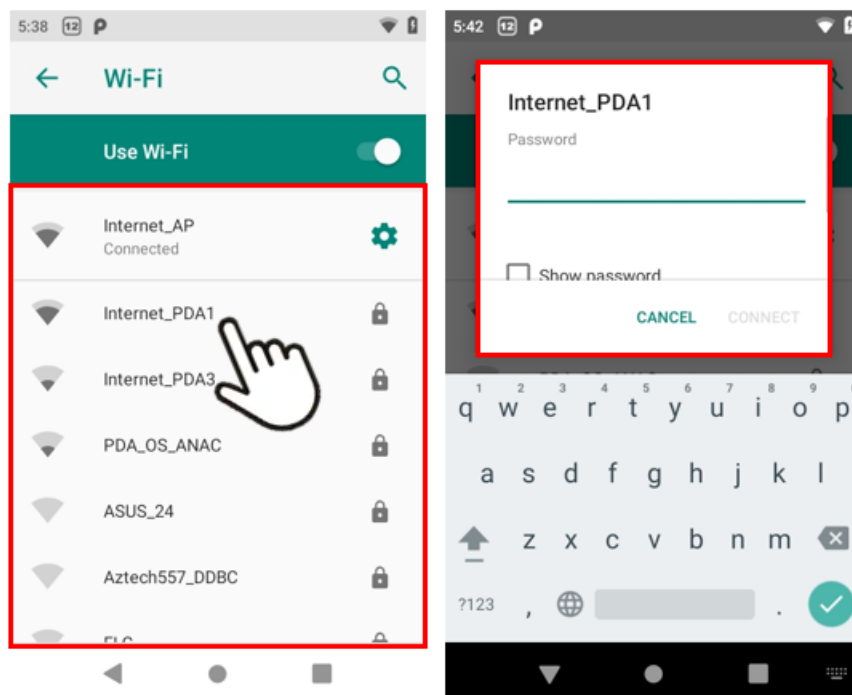
You can activate **Wi-Fi** by touching **ON/OFF** switch.



Connecting to Wi-Fi Access point

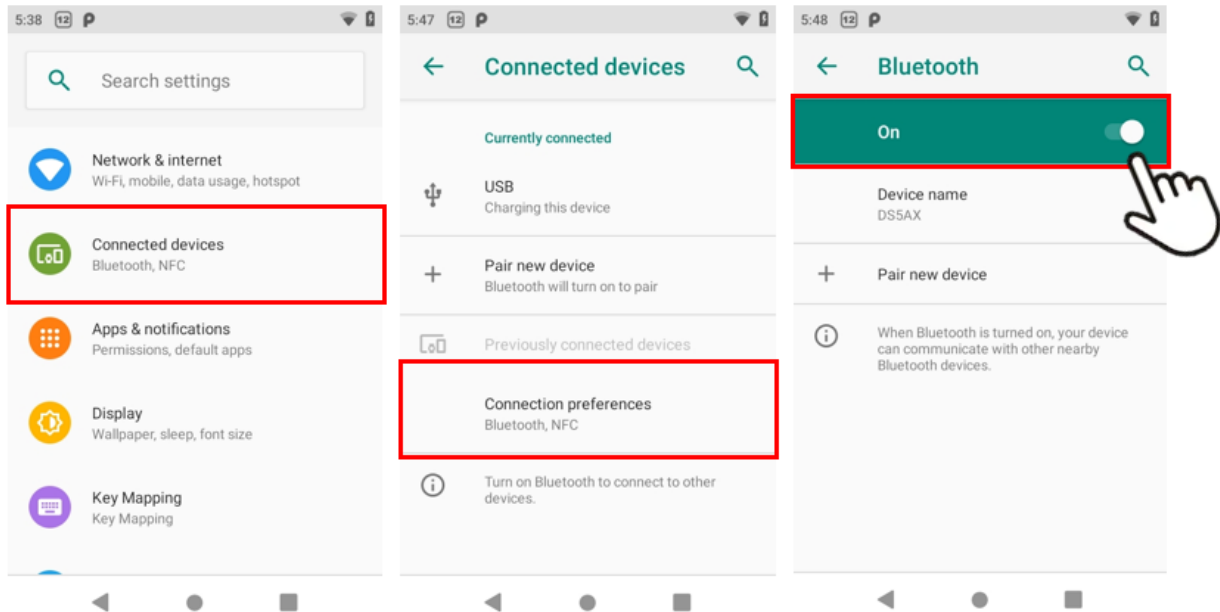
From the list, select an AP to connect

If the AP needs password, enter it to complete the access.



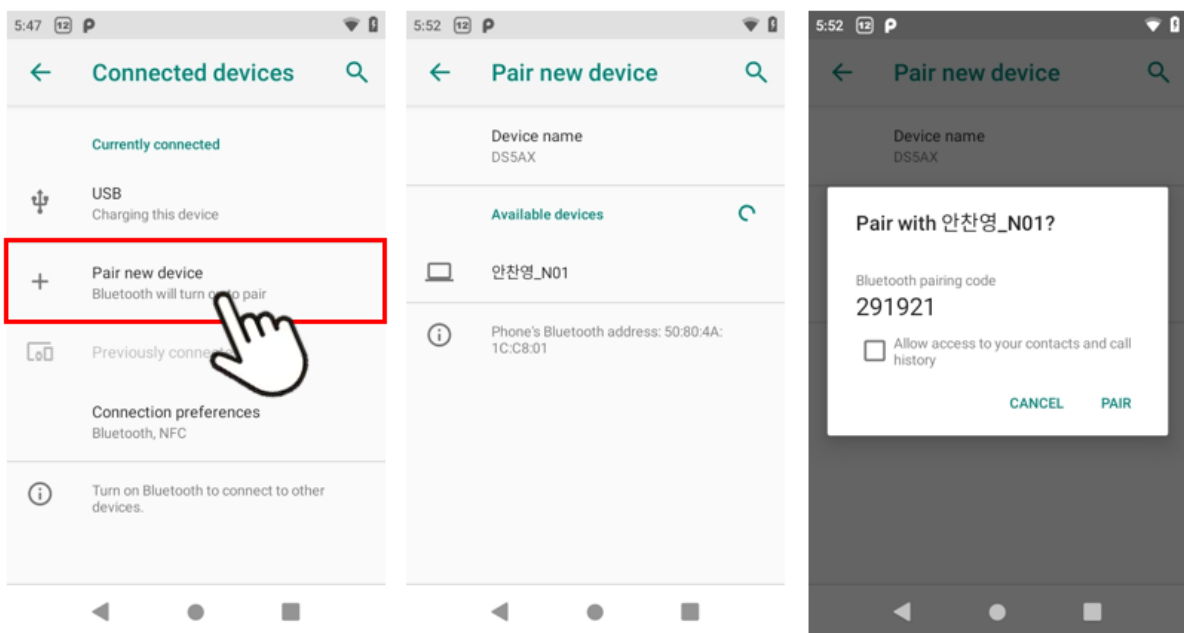
Bluetooth

Go to **Settings > Connected devices > Connection preferences > Bluetooth**.
You can activate **Bluetooth** by touching **ON/OFF** switch.



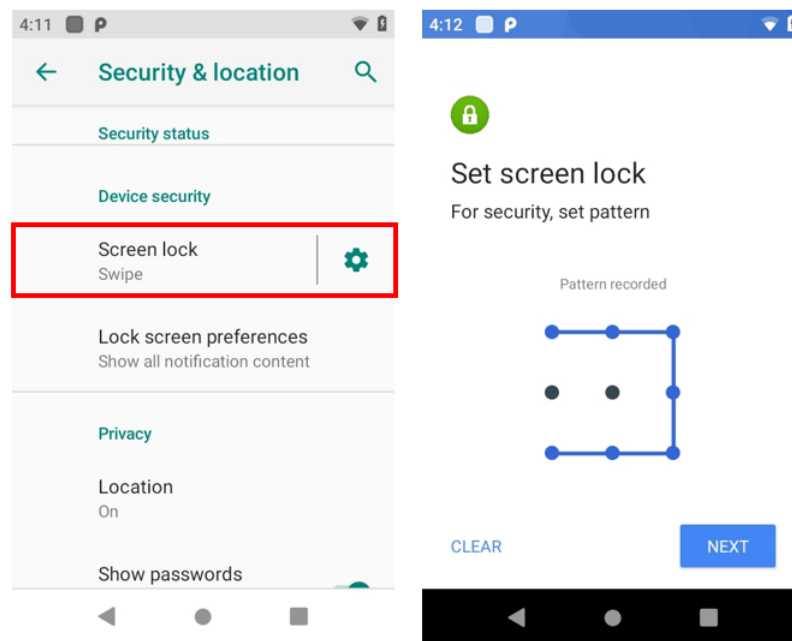
Pairing via Bluetooth

Go to Bluetooth menu and touch **Pair new device**.
After select the device, enter or check PIN number to pair to the device.



Lock screen

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.



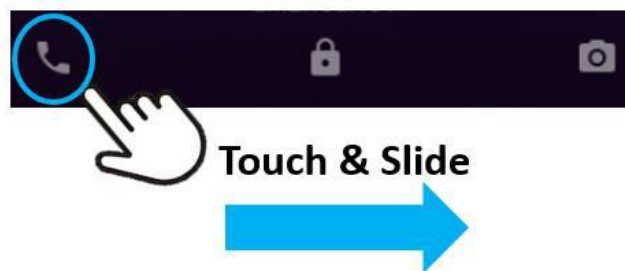
You can set locks of different strengths using lock settings:

1. Go to **Settings > Security & location > Device Security > Screen lock**.
2. Touch the type of lock you'd like to use.
You can select Swipe, Pattern, PIN, or Password.

Lock screen actions

From the lock screen:

- On a phone, regardless of the lock you choose, it's always easy to open the Phone App. Swipe the phone icon from left to right to bring Phone screen.
- To access to Camera easily, Swipe the Camera icon from the right to left.



You can customize more setting in the Lock screen preference.

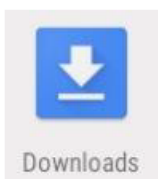
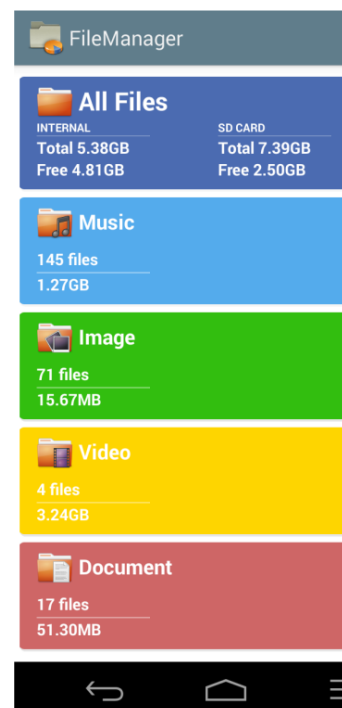
File Storage

Android 9.0 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.

To find the file, go to Menu > FileManager or Download



File manager helps you to find every file in internal or external memory of device. Also, it demonstrates capacity of internal memory and SD card memory. File search, move, delete, rename, share, and property is available.



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 top of the screen, touch  to Sort the list **by name** or **by date** and **by size**.

Screenshots

To take a screenshot from DS5A:

1. Make sure the image you want to capture is displayed on the screen.
2. Press the **Power button** and **Volume down button** simultaneously.

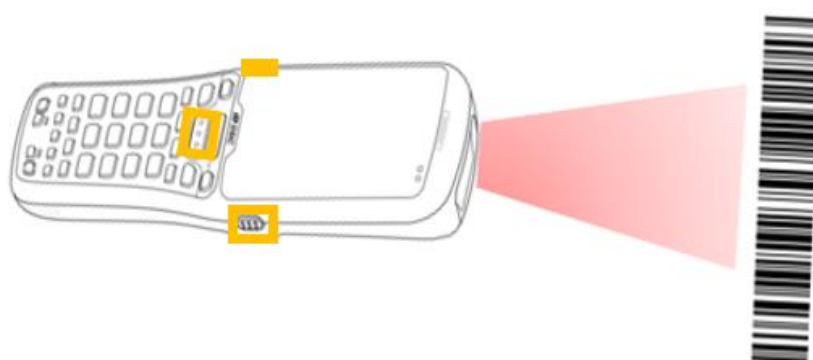
(Volume down:  + )

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, and select application you want to share with.

Barcode Scanning

Scan the barcode by pressing **Scan Trigger** buttons of DS5A



Aim 1D barcode

Aim the scanner when scanning 1D Barcode.



Aim 2D barcode

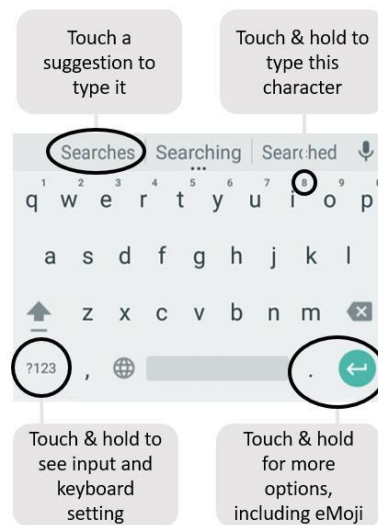
Aim the scanner when scanning 2D Barcode.



CHAPTER 4: USE THE KEYBOARD

Enter & edit text

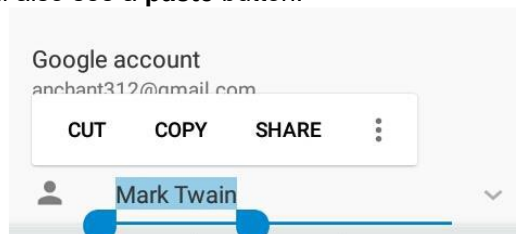
Use the onscreen keyboard to enter texts. Here's what it looks like on a DS5A device:



To make the keyboard go away, touch the **Back button** at the bottom of screen. Some apps open the keyboard automatically. In others, you first need to touch where you want to type.

Basic editing

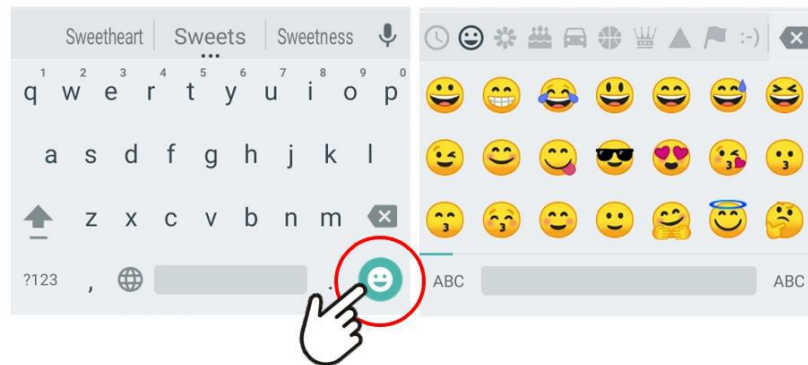
- **Move the insertion point.** Touch where you want to type. The cursor blinks in the new position, and a blue tab appears below it. Drag the tab to move the cursor.
- **Select Text.** Touch & hold or double-tap within the text. The nearest word highlights, with a tab at each end of the selection. Drag the tabs to change the selection.
- **Delete text.** Touch  to delete selected text or the characters before the cursor.
- **Cut, copy, paste.** Select the text you want to manipulate. Then touch **Cut** or **Copy**. If there's something on the clipboard to paste, you'll also see a **paste** button:



- **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.

Emoji

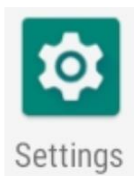
Android 9.0 vastly expands the variety of emoji available at your fingertips. Touch and hold the  Enter key to display  emoji. You will see a panel like this. To move between categories, swipe left or right or touch the symbols in the top row. To type an emoji, touch it:



Touch & Hold

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.

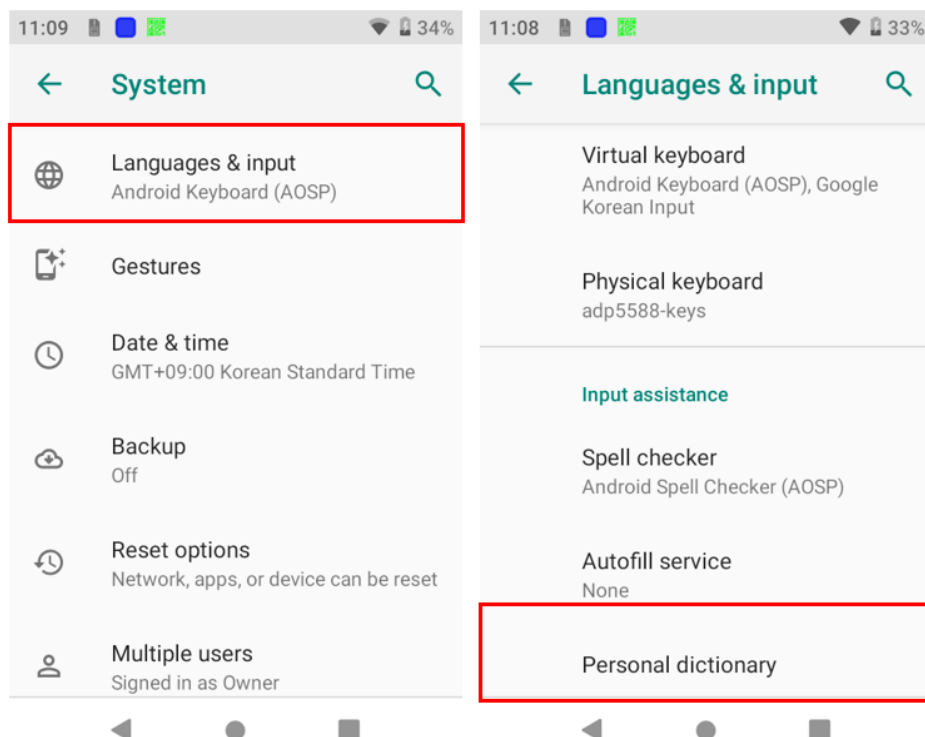


To change your keyboard and input methods, go to **Settings > System > Language & input**.

To turn next-word suggestion on or off, go to **Setting > System > Language & input > Keyboard & inputs > Virtual Keyboard > Android Keyboard (AOSP)**. Go to Text correction and activate **Next-word suggestions**.

Keyboard dictionaries

To manage keyboard dictionaries, go to **Setting > System > Languages & input**.



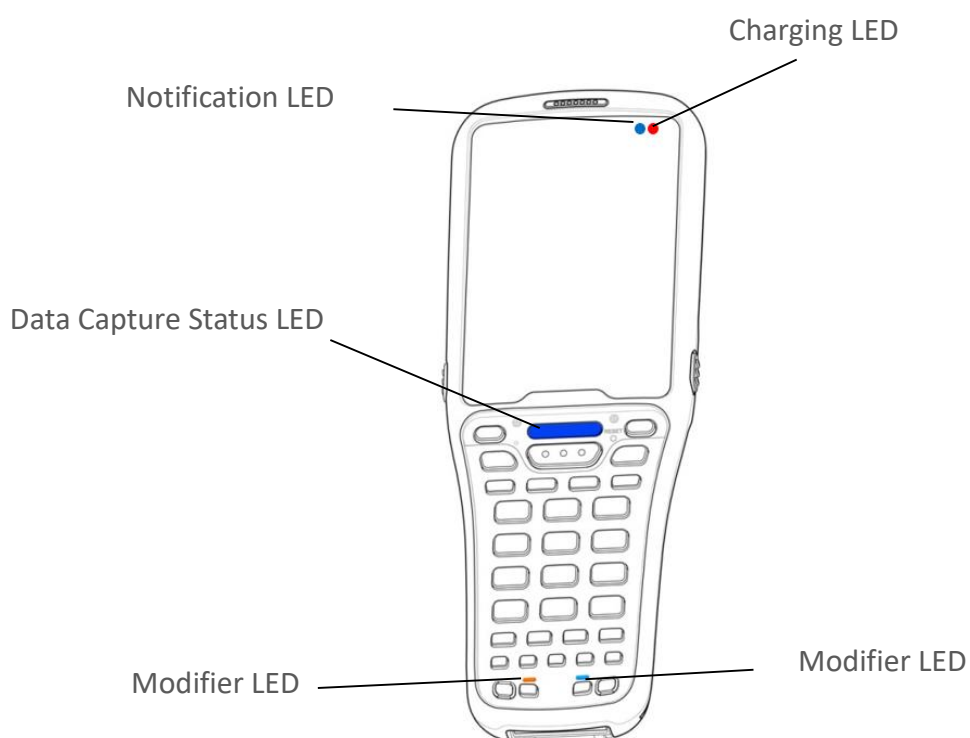
Personal dictionary

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.

LEDs

LED indicates status of the terminal in power sourcing, data capture, network connection

Location of the DS5 Status LEDs

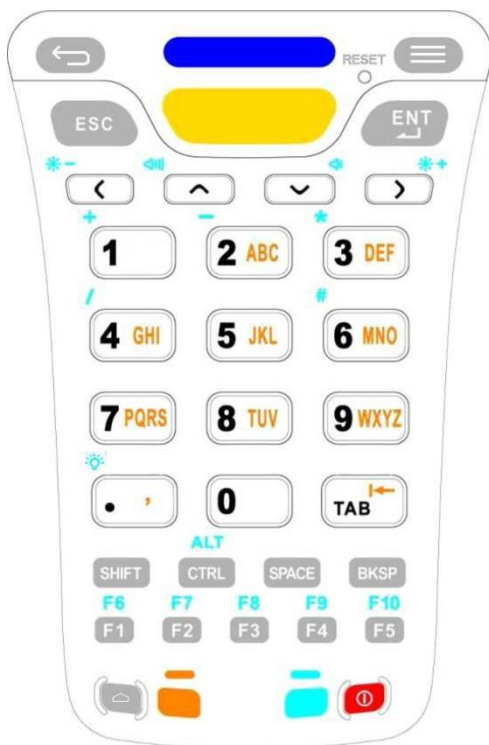


LED Appearance upon terminal feature

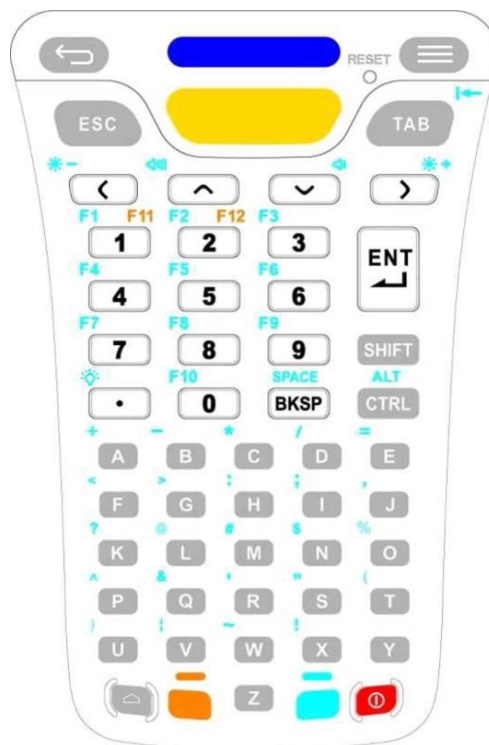
Feature	Color	Description
Data capture status LED	Blue	Good read barcode, or RFID
Charging LED	Red	The terminal is in charging status
	Green	The terminal has fully charged
Notification LED	Blue blinking	When Hot Swap mode is ready

Keypad (34key / 54 key)

DS5A comes with large numeric keypad including function 1~10 (34key) and full alphanumeric keypad including function 1~12 (54key).



Numeric Keypad (34 keys)



Full Alphanumeric Keypad (54 keys)

Enter characters on Numeric Keypad (34key)

Following explains how to make continuous character input. For single character input, please refer [Key Strokes](#).

You need to use **orange modifier key**  and **blue modifier key**  to access all characters and functions on Numeric Keypad.

Input lower character continuously

- Press  twice
- Press hardware key 1 to 4 times to select the alphabet you need.
- Press  one time to return to numeric input

Input upper character continuously

- Press  twice
- Press  twice, then  shall be displayed right bottom of the screen.
- Press hardware key 1 to 4 times to select the alphabet you need.
- Press  one time to return lower character
- Press  one time to return to numeric input

For example

- type DEF
- Press  twice,  once, , , , , 

Usage of Shift key

Upon repetition of  key press, input method varied

Status Bar	Shift Repetition	Remark
	Default	Return to default
		Single shift function. Return back to default after 1 time key stroke
	 	Fixed shift function. Shift functions are effective at multi key strokes

Enter characters on Full Alphanumeric Keypad (54key)

Following explains how to make continuous character input. For single character input, please refer [Key Strokes](#).

Input numeric

- Press required numeric key button from 1~0.
- With modifier keys, special functions can be programmable from F1 to F12.
- Press , then press Numeric key to use F1 ~ F10.
- Press  to use F11 ~ F12

Input Alphabet

- Default input is lower alphabet character
- In case single Alphabet character input, press  then press an Alphabet
- In case continuous Alphabet character input, press  twice then press Alphabet keys

For Example

- Input **A1a2**
- Press , , , , , 

Note

When you press  key 1 time, it is effective only 1 time. Input icon status: 

If you need continuous upper character input, press  twice to fix the function. Input icon status: 

Configure the Display Back Light

Set LCD display brightness of your terminal.

Brighter – Press twice ,  ()

Dimmer – Press twice ,  (). (It lessens power consumption of the terminal.)

Press  button and then  to dimmed brightness, and press again the button to back to the brighter display.

Adjust Volume

Volume Up - Press twice ,  ()

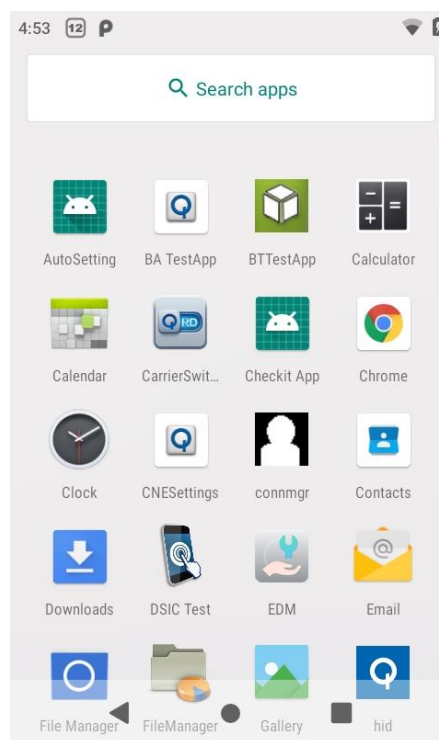
Volume Down - Press twice ,  ()

CHAPTER 5: TRY SOME APPS

All Apps



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



From All Apps, you can:

- **Move between screens.** Swipe up or down.
- **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.

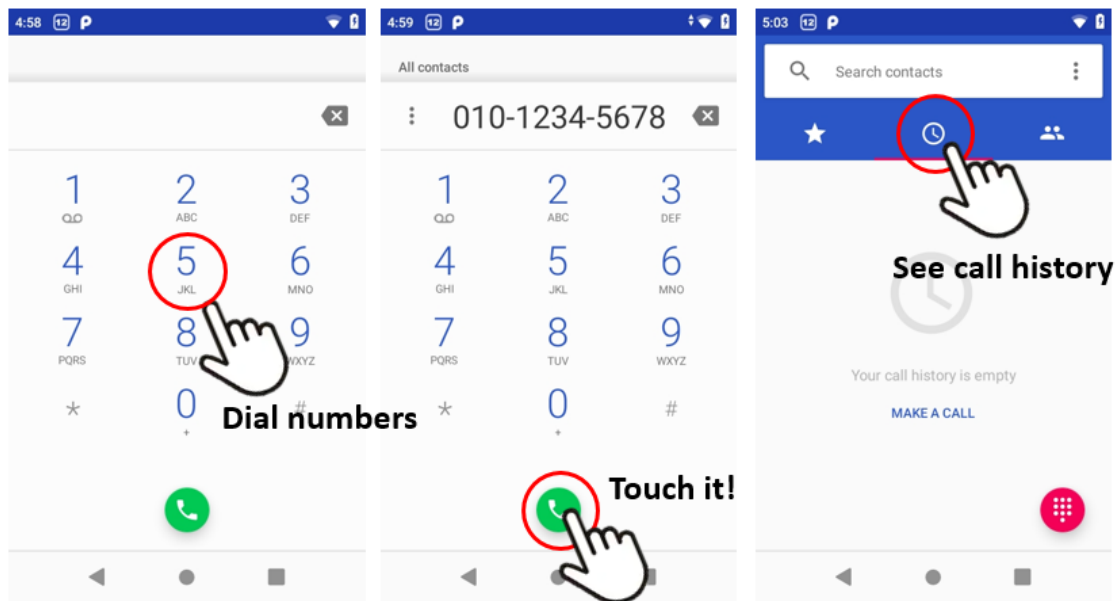
To remove an app icon from the **Home screen** without removing it permanently from your device, touch & hold it, slide your finger toward the top of the screen, and drop the app over the ✕ Remove icon.

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.

Phone



Using a DS5A, you can place calls from the Phone app, the People app, or other apps or widgets that display contact information. Wherever you see a phone number, you can usually touch it to dial.

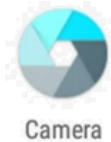


To place a call to one of your contacts:

1. Touch the Phone icon on a Home or All Apps screen
2. To choose someone to call, scroll or search. If the keypad's in the way, touch the Back button to lower it.
3. To place a call, touch the contact's name.

To view recent calls, touch the  call log icon at the menu tap.

Camera



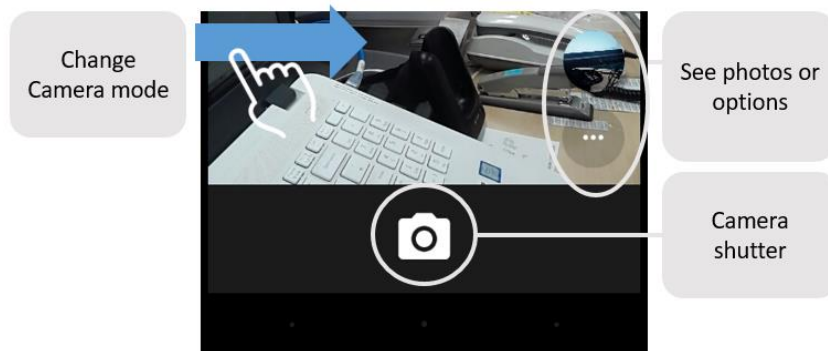
The Camera app lets you take photos, panoramic photos, videos, and immersive 360-degree photo sphere shots, including what's above and below you.

To open Camera:

- From the lock screen, swipe the Camera icon.
- From the Home screen, touch the Camera icon.

The first time you open Camera, you may be asked if you want it to remember photo locations.

The shutter and other controls float above the framed image at the bottom of the screen.



The camera icon indicates Camera mode. To take a picture in this mode:

1. Frame your subject and watch for the focus ring:
To focus on a different part of the image, touch it.
2. When the focus ring brackets disappear, touch the camera icon.
3. To see the image you just took, touch the thumbnail image on the screen or swipe the screen from right to left.

To change to a different mode, Slide the screen from left to right:



Video

To start recording a video, touch the red shutter button. Touch it again to stop.



Panorama

To take a panoramic, touch the blue shutter button, slowly pan across the scene, and touch the button again to stop.

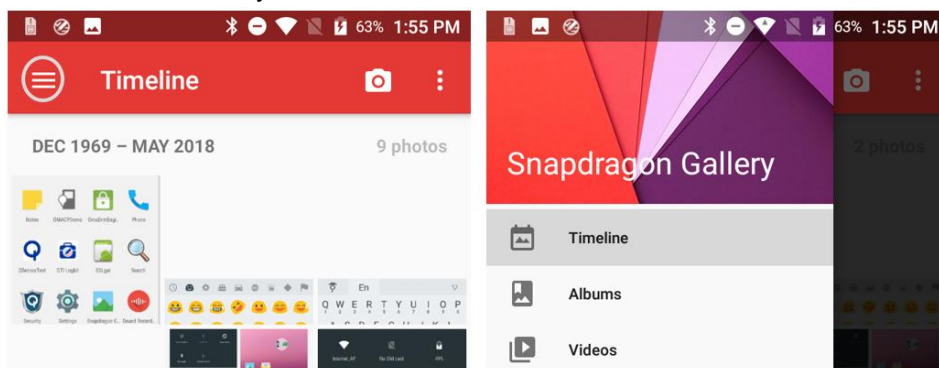
Gallery



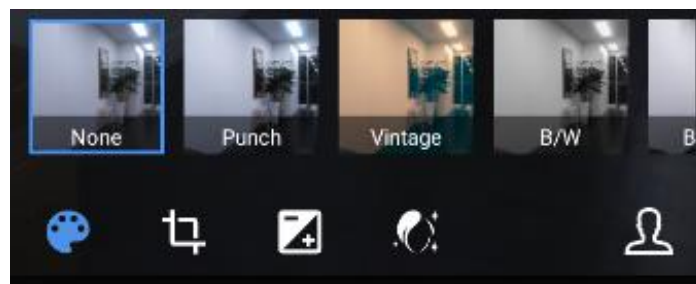
The Gallery app gives you an easy way to browse pictures and videos you've taken with Camera. It also displays screenshots and auto backups from other devices.

To open Gallery from the:

- Camera app. Touch the thumbnail image at the bottom.
- 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 slide-out side bar to view the available categories.



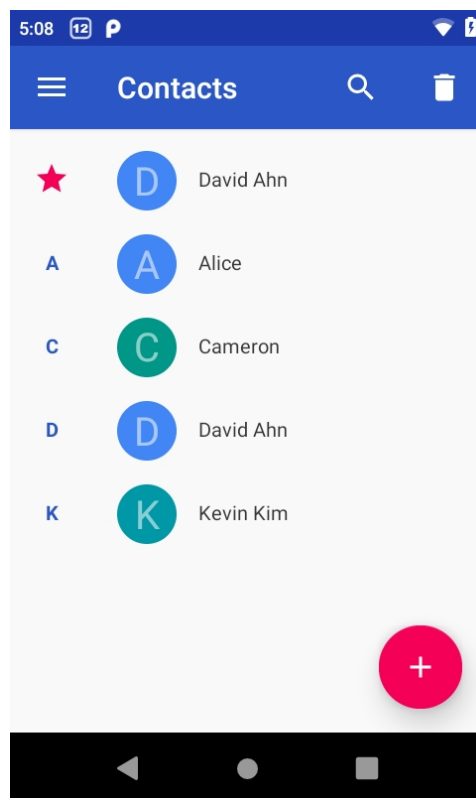
Within each category you can browse groups of images, crop, edit, and tag them, create slideshows, make pictures or videos available offline, and share with friends.

Contacts



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. When using a new device, you can import contacts via “.vcf” file



When you open the Contact app, you can:

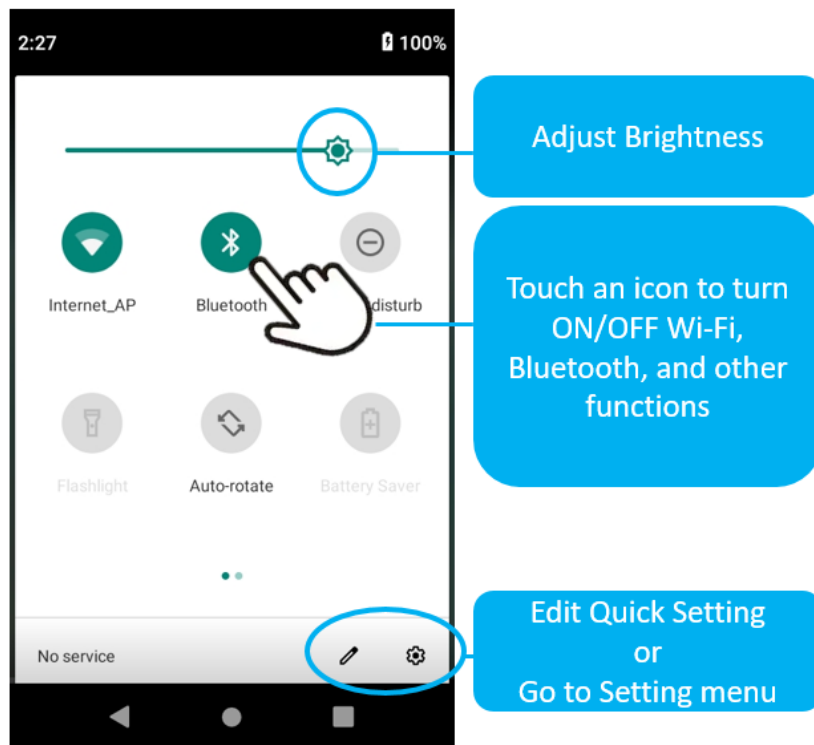
- **View all contacts, or favorites.** Favorites contacts has sorted with star.
- **Read details.** Touch a name to see details for a contact or group.
- **Edit details.** While viewing a contact, touch  icons at the top of the screen or the  Menu icon to edit or share contact details, delete a contact, and so on. You can touch  the star icon in contact's name 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.

CHAPTER 6: SETTINGS

Most apps include their own settings, typically available from **Menu > Settings** on DS5A 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 DS5A :



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

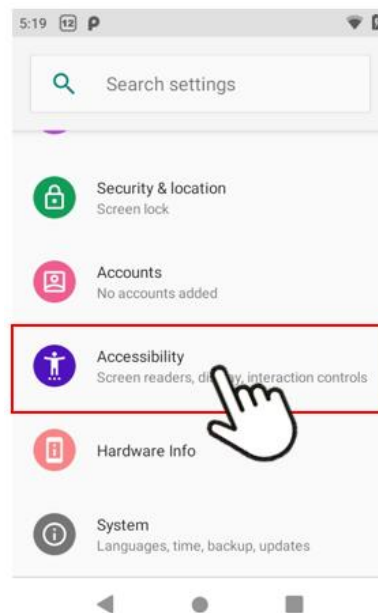


The Settings app controls the core Android settings for networks, hardware, location, security, language, accounts, and so on.

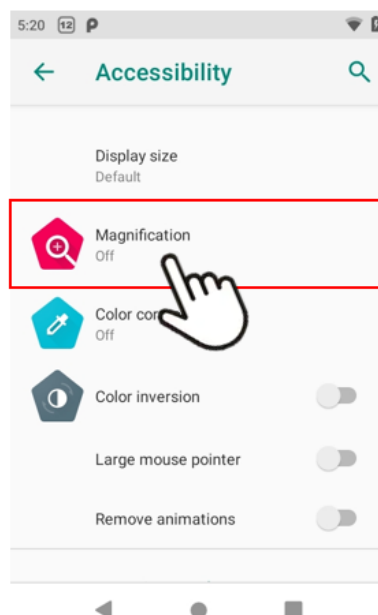
CHAPTER 7: ACCESSIBILITY

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.



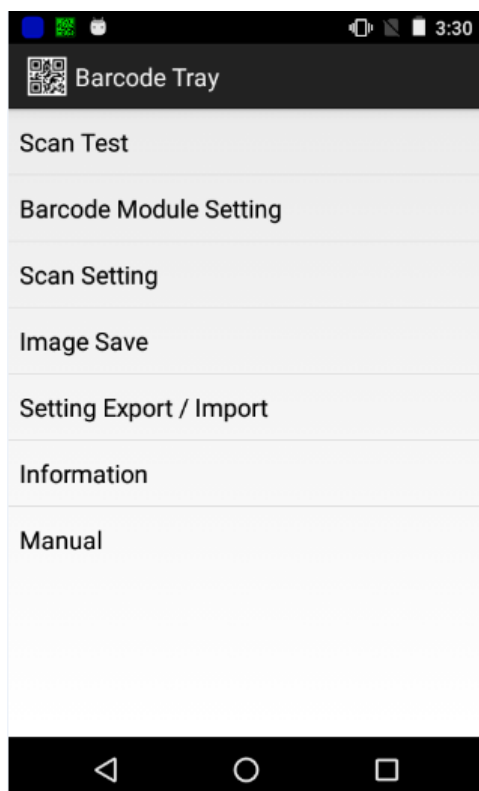
You can also try magnification gestures which allow you to zoom in and out, as well as temporarily magnify what's under your finger. To try magnification gestures, go to **Settings > Accessibility > Magnification gestures**.



CHAPTER 8: DEVICE MANAGEMENT

Barcode Tray

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



Scan Test

It is to test the barcode, and check the barcode type and data.

Barcode Module Setting

You can change the setting of the barcode module.

Scan Setting

You can set how you will scan the barcode such as max scan time / data receive method / prefix or suffix and so on.

Image Save

It shows you the image viewing from 2D Imager like Camera. You can save the image

Setting Export / Import

Set up barcode configuration by programming, or export the set up to file

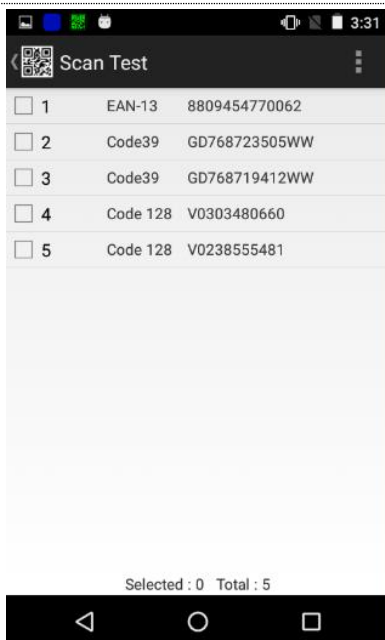
Info

Demonstrate the installed barcode scanner to your device and application version information of your barcode scanner.

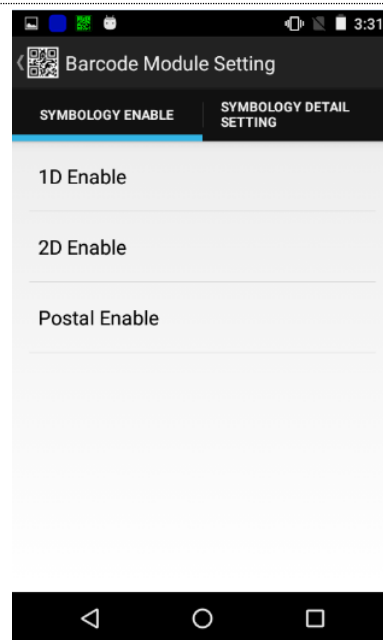
Manual

It includes detail explanations about barcode tray.

Scan Test



Barcode Module Setting : Setting to enable, or disable barcode types.



Scan Setting : Setting scanning feature, such as time out, prefix and suffix, scanner key setting, notification options and etc.

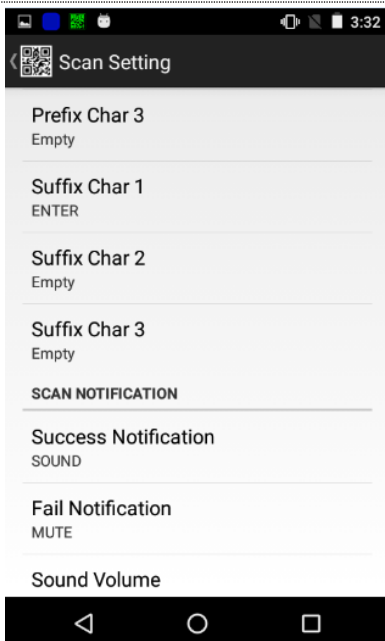
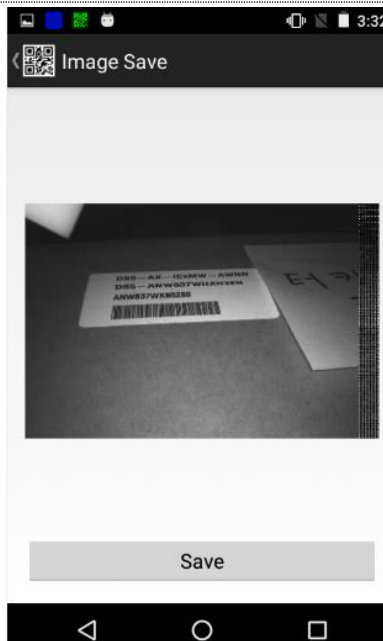
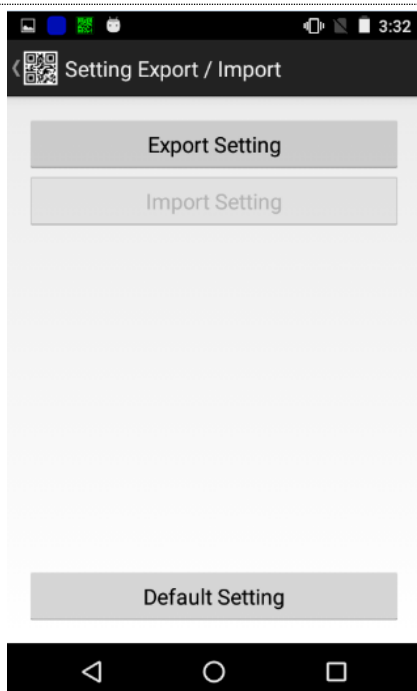


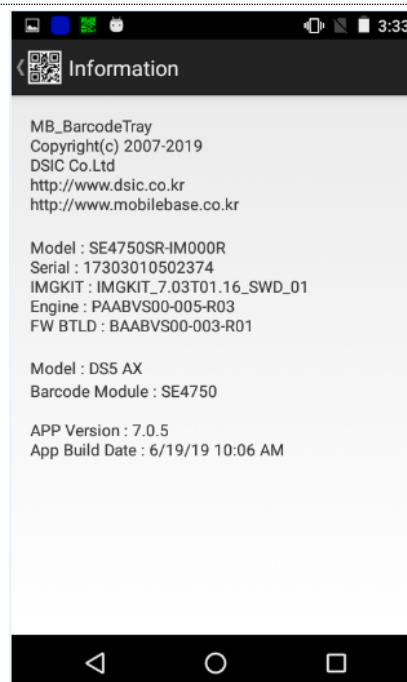
Image Capture : View image and capture the view from the imager scanner



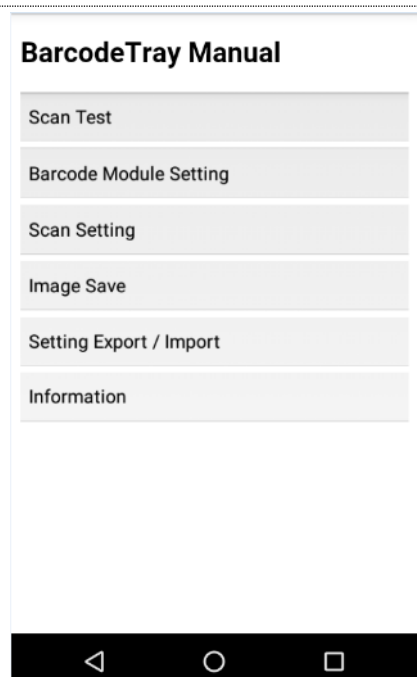
Setting Export / Import : Set up barcode configuration by programming, or export the set up to file.



Information : Demonstrate the installed barcode scanner and application version information of your barcode scanner.

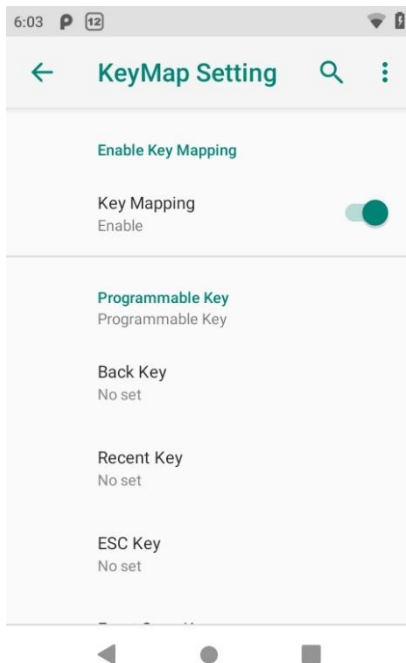


Manual



Key Mapping

It is enabling you to create a shortcut for repeating a sequence of keys or commands.
Go **Settings > Key Mapping**



Belows are the list of keys which is programmable to be set as your sequenced key or short cut to execute application.

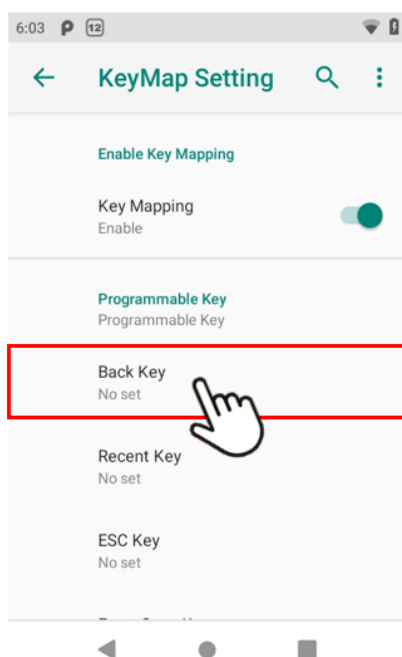
34key – Total 19 keys

: 10 Functions keys (F1~F10) / 4 Directions keys (up, down, right, left) / Scan key / ENT / ESC / Back / Home

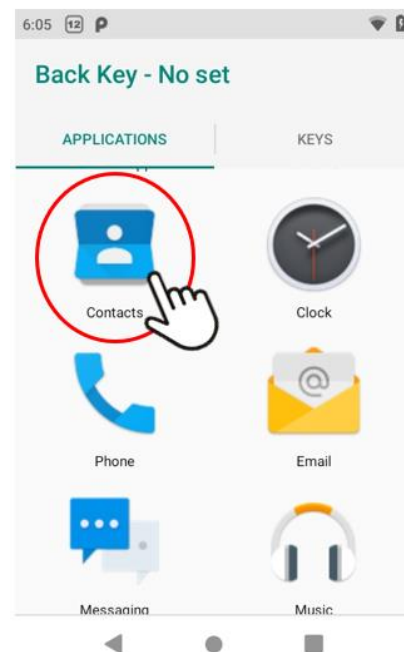
54key – Total 22 keys

: 12 Function keys (F1~F12) / 4 Direction keys (up, down, right, left) / Scan key / ENT / ESC / TAB / Back / Home

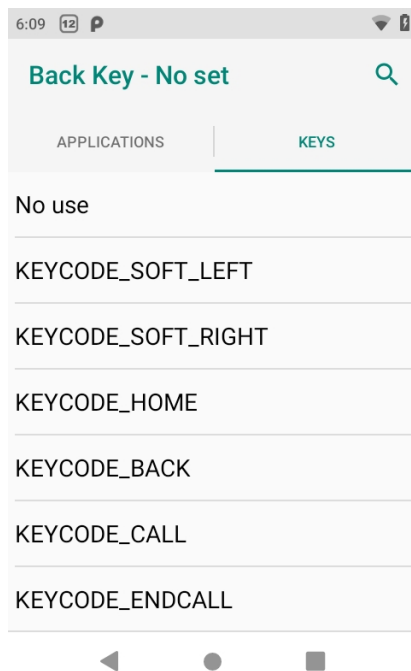
1) Select one of key in **PROGRAMMABLE KEY**



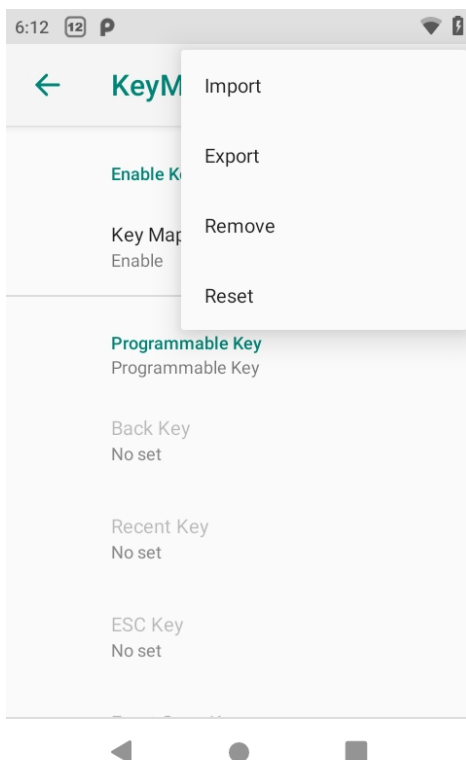
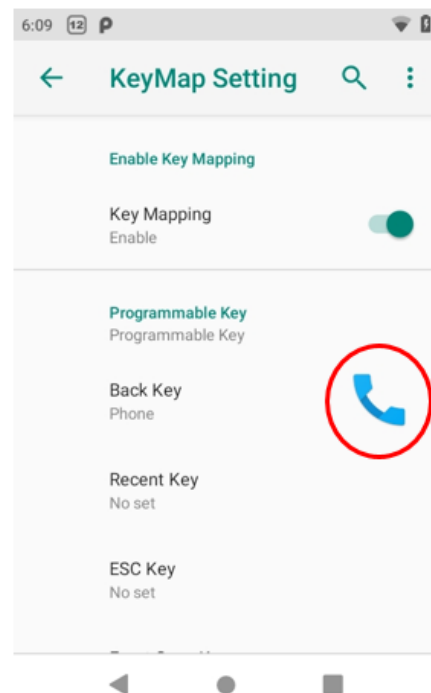
2) You can select an application to short cut for execution



3) Or, swipe the screen to left to set sequence. When you select No use, then the key has no function.



4) To reset the function key, press the icon. Then you can reset the config.



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

Show Key Layout

You can set your key mapping with graphic interface as below.



OS Update

You shall need to download file as “**DS5A_P_XXX_(NO)GMS_(NO)PHONE.zip**” from the Mobilebase homepage.

Update Instruction

Download your OS and install on your device as below

- Unzip the file, and copy “**ds.zip**” to root folder of the SD card.
- Input micro SD card into your device
- **WHILE** pressing and holding **ESC + 2** simultaneously, make a long press of **Power** key to start your device and enter OS update screen.
- When OS image file has been copied and installed completely, **Success** will be displayed on your device screen.
- After the **Success** message, make a long press **power button** for 10 secs to turn off.
- Make a long press of **Power Button** to restart your device

For latest OS, please contact your sales, or access to Mobilebase homepage.

USB Driver

If you are Android developer, please download from below link and install on your PC before you connect DS5A to your PC. This is shell for ADB synchronization between your PC and DS5A.

ADB: Android Development Bridge

This driver is useful when you have “Unknown device” message at your PC while you are connecting DS5A to your PC.

https://www.dropbox.com/s/zkfq3hesnnr60v/DS9_usb_driver.zip?dl=0

FOTA Update

FOTA (Firmware Over The Air) update is the tool to update Mobilebase firmware remotely. The users only need to click the “UPDATE” button when the server system asks. Then the device will start OS.

For users

Before update – check your device version

To use FOTA update, the device should be above below OS version.

Model	Android version	Required OS version
DS6	Android 7.0 Nougat	v.1199
	Android 9.0 Pie	v.501
DS4A	Android 7.0 Nougat	v.1199
	Android 9.0 Pie	v.501
DS5A	Android 9.0 Pie	v.501

How to check the version?

Model: Settings > Hardware Info > Model ex) DS6

Android version: Settings > (System) > About Phone > Android version ex) 7.1.2

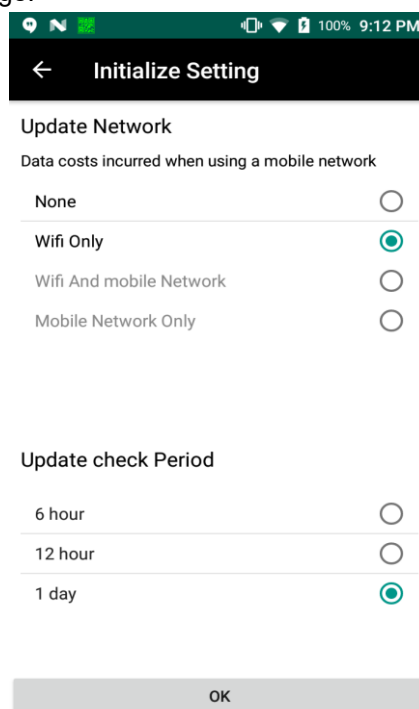
OS version: Settings > (System) > About Phone > Build number ex) N2G47H.1174

Initial Setting

Default setting to use FOTA is “**Wifi Only**” & “**Update check Period : 1day**”.

If you want to change this setting, please move **Setting > About Phone > FOTA Update > Menu** .

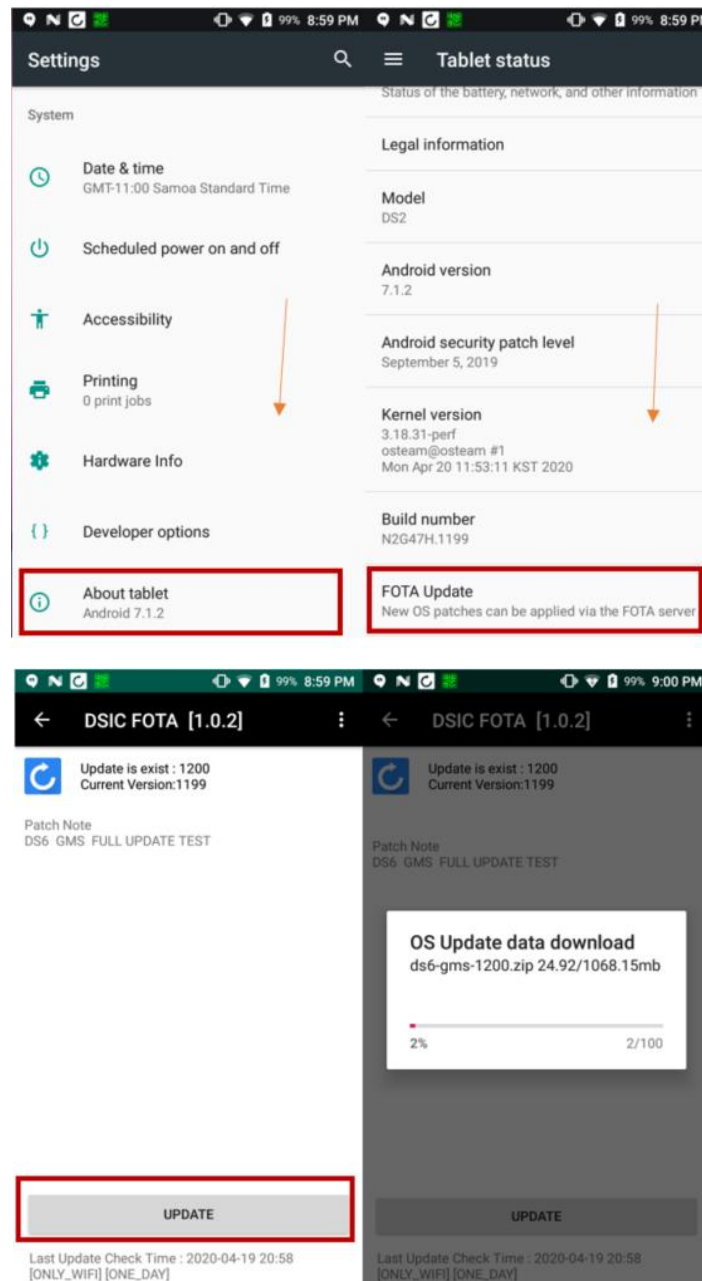
You can set according to your usage.



Execute FOTA

Manual Update

Settings > About Tablet > FOTA update > Click “UPDATE”
If there is new version, it will be updated.



Automatic update

If your IT manager allows your device to update automatically, the pop-up message for update will appear when there is new version.

Click “UPDATE” when you see the message.

For IT Manager

Provide the customer information

You have to ask to Mobilebase account manager to create the profile in FOTA service.
To make a new profile, please provide the below information.

Request Information	Details
Profile name	Company name, or Brand name ex) Brand : Coca-cola, Nike Company : DSIC, SK hynix
Type of update	Manual or Automatic - Manual update is the server asks update when you ask. - Automatic update is the server asks update when there is new released firmware.
List of S/N	If it is not confirmed regarding using FOTA service in advance (at PO or production stage), you need to share the list of S/N of deployed devices to Mobilebase account manager. If they have several models, please classify the S/N according to each models.

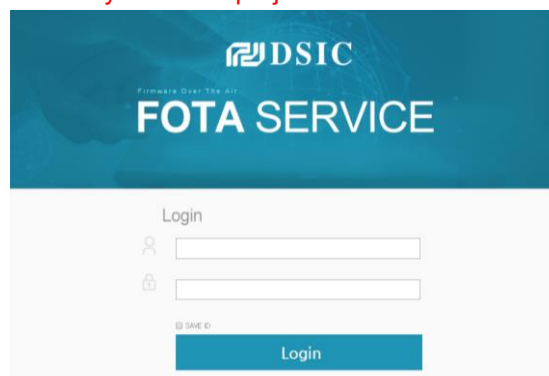
Example	
Profile name	DSIC
Type of update	Manual
List of S/N	DS4A - 9GWXXXWMC5116-5120 DS6 - ACB9PGWMC6011 DS5A - 9CWXXXWMC5008-5016 - 9CWXXXWMC5020-5025

Check the update Status

You can check each devices update status in Mobilebase FOTA site. With this website, you can manage the devices to check the update status.

Mobilebase FOTA site: <https://fota.mobilebase.co.kr/>

****Login information will be provided only for direct/project customer of Mobilebase.**



DSIC
Firmware Over The Air
FOTA SERVICE

Login

Details about FOTA site

← → ↻ fota.mobilebase.co.kr

FOTA Status Log Out

Enrollment Status

Client: [dropdown] Project: [input] Profile: [input]

Enrollment date: 2019-04-22 ~ 2020-04-22 Search

Status Show the devices status according to Profile(Project)

No	Profile name	Enrollment date	Enrollment time	Client	Project	Total	Enrolled	Unenrolled
1	FOTA TEST DS4A GMS ROLLBACK	2020-04-19	11:00	[dropdown]	[dropdown]-GMS-DS4A	1	0	1
2	FOTA TEST DS6 GMS ROLLBACK	2020-04-19	11:00	[dropdown]	[dropdown]-GMS-DS6	1	0	1
3	FOTA TEST 2 - DS4A GMS	2020-04-19	11:00	[dropdown]	[dropdown]-GMS-DS4A	1	1	0
4	FOTA TEST 1 - DS6 GMS	2020-04-19	11:00	[dropdown]	[dropdown]-GMS-DS6	1	0	1

Total : sum of registered device (ex. 600)
Enrolled : sum of updated device via FOTA (ex.595)
Unenrolled : sum of device failed to update (ex.5)

Enrollment details Profile name : FOTA TEST 1 - DS6 GMS Details of each device status Devices + Export Excel

No	Serial No	Model Name	Android Version	NoGms/Gms	Customer	Phone/NoPhone	Enrollment version	Current version	Assigned date
1	ACB9PGWMC6011	DS2	7.1.2	GMS	GLOBAL	NOPHONE	1200	1199	2020-04-20 17:32:35

Reason of Unenrolled (Failed to update)

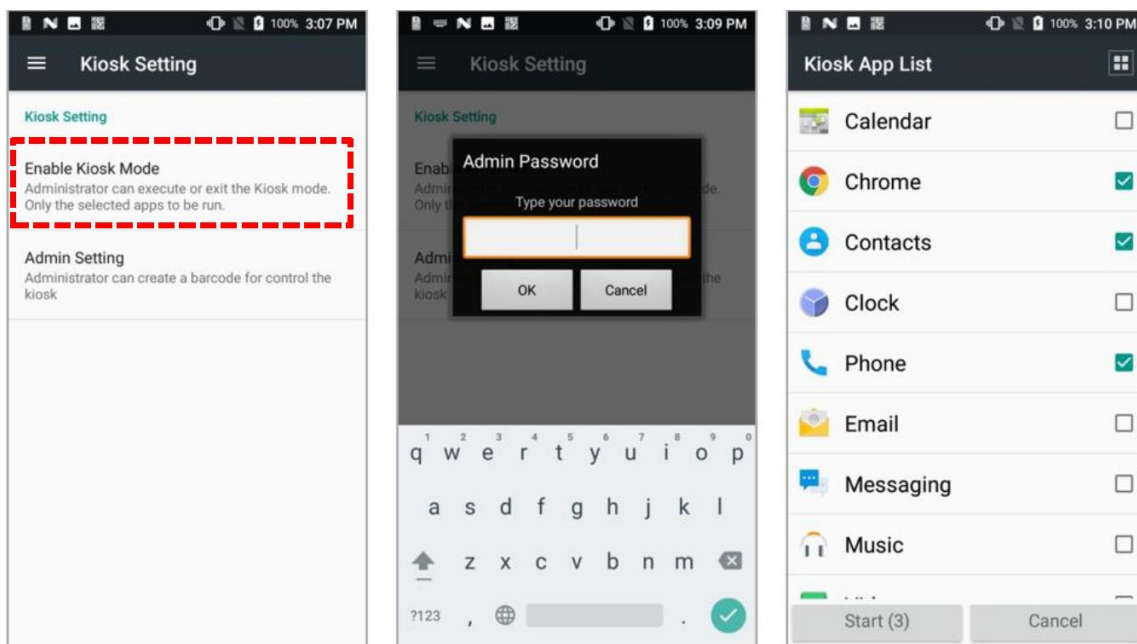
Even though the server sent the message for FOTA update, sometimes, it isn't updated.

- In case the device isn't turned on
- In case the device is turned on, but isn't connected to Wifi/3G
- In case the wrong OS is delivered.

KIOSK MODE

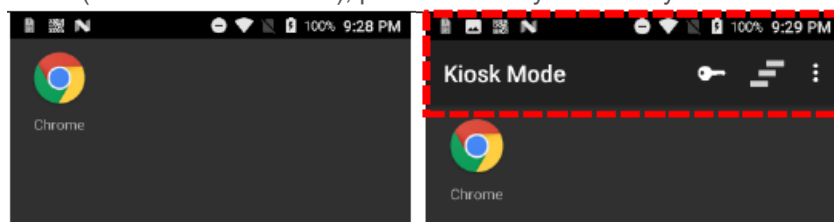
Kiosk mode is enabling to lock down unwanted device misuse. It is to control which application and device features can be used by user such as blocking access to games, social media apps and etc. When you allow access to business application apps, KIOSK MODE will ensure that the user cannot access anything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

Select necessary apps from **Kiosk App List** as shown. Then touch **Start**.



Action Bar

To activate the Action Bar, press **Back key** ↶ on the keypad for 10 seconds. And input **password**. To go back to Kiosk mode (deactivate action bar), press **Back key** on the keyboard for 10 seconds again.



<Basic Screen>

<Action Bar Activated>

Action Bar Menu



Unlock the Kiosk Mode, and go back to Kiosk App List

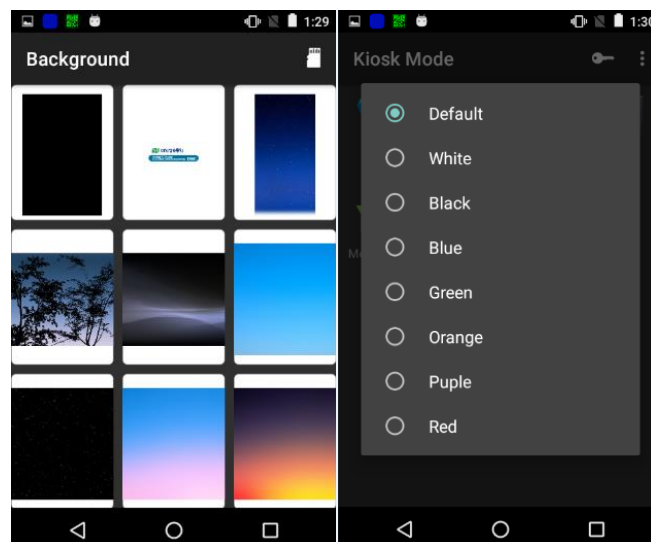


Clear Notification on the status bar

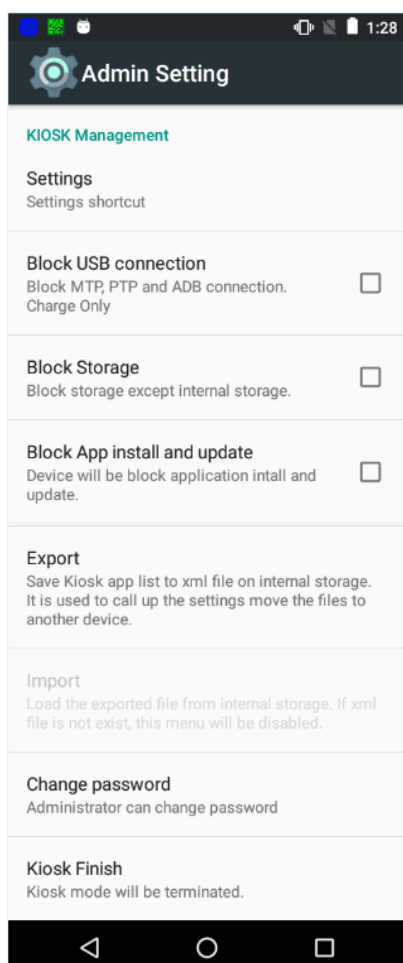


Menu
– Back ground / Icon Front Color / Admin Setting

Set Background & Icon Front color



Admin Setting



Settings

Go to "Setting"

Block USB connection

Limit access by USB connection

Block Storage

Limit access to storages not allowed.

Block App install and update

Limit installation and update the apps.

Export

You can export KIOSK setting information of the device by email, or xml file, such as allowed APP List, KIOSK On, KISOK Off and new password.

Import

Import the Kiosk setting with xml file

Change password

Kiosk Finish

EDM (Enterprise Device Management)



Enterprise Device Management (EDM) is an application that provides useful features to help IT managers use Mobilebase products to effectively deploy, use, and manage devices.

Main menu

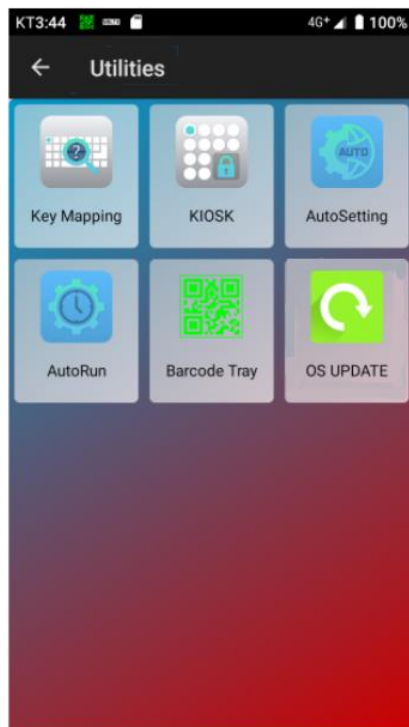
EDM features 4 main menus for IT manager.



Menu	Description
Utilities	Device management tools for administration (key mapping, auto-setting, barcode tray)
MDM	Third-party MDM tools (TeamViewer, SOTI)
Tools	PDA functions test tools (self-diagnostic tools)
Convenience Tools	Android basic application tool (FileManager, Memo, Gallery)

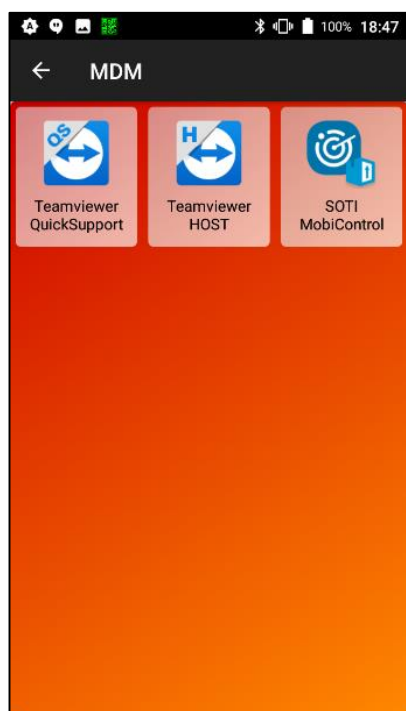
Utilities

Utilities provides IT administrators with access to useful features for device management.



Menu	Description
Key Mapping	Allows you to use your PDA's hardware keys for functions other than the original or as a shortcut for launching an application.
KIOSK	To prevent misuse of your device during business hours, you can make it accessible only to business applications.
AutoSetting	It reads the barcode saved with the setting value and automatically sets various functions on devices such as Wi-Fi, BT and barcode.
AutoRun	Allows certain applications to run automatically after booting.
Barcode Tray	It provides Barcode scanning and decoding function, and barcode can be activated by type or scanning functions can be set.
OS Update	Customer can update the OS.

MDM (Mobile Device Management)



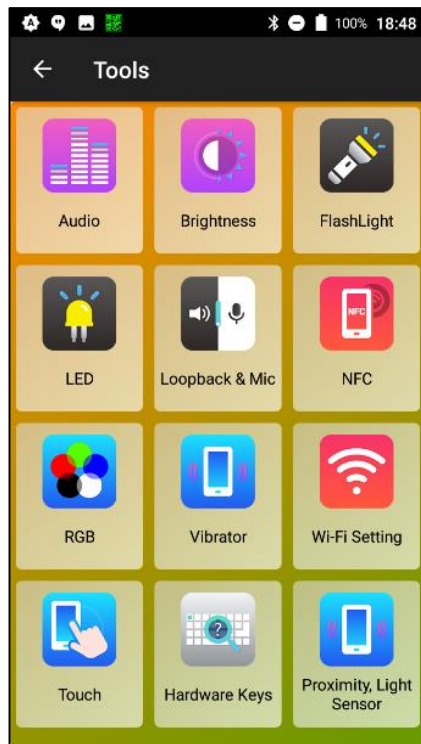
MDM is a solution that enables integrated management for a large number of mobile devices in use in an enterprise. DS5A support the world-recognized TeamViewer and SOTI MDM solutions, enabling IT administrators to more effectively deploy, protect, manage, monitor and support their mobile devices.

MDM	Description
TeamViewer QuickSupport	IT administrator can access the PDA remotely and use the following functions.
TeamViewer HOST	1) remote control 2) Device Status & Info inquiry 3) WIFI setting control 4) File transfer
SOTI MobiControl	IT administrators can effectively manage PDAs in use in the enterprise. 1) App & Content Management 2) Fast Device Placement 3) remote control 4) location tracking 5) Device info inquiry on dashboard

Tools

Tools gives you the ability to test all the devices in your device.

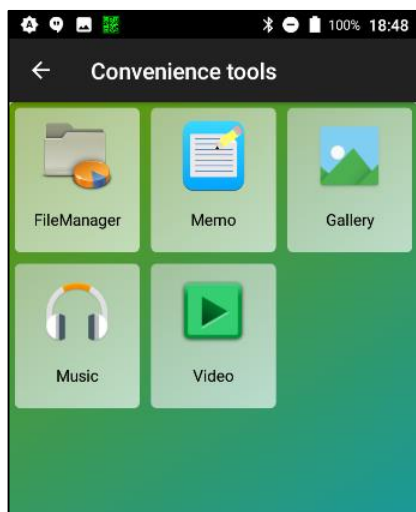
It allows IT administrators to diagnose whether the inner device such as Wi-Fi, BT, speakers, etc. are working correctly, and quickly identify problems with the device to minimize downtime due to device failure.



Menu	Description
Audio	Sound test
Brightness	Brightness adjustment test
Flashlight	Camera Flashlight test
LED	LED test
Loopback & Mic	Speaker, Receiver, and MIC test
NFC	NFC reading test
RGB	LCD color test
Vibrator	Vibrator test
Wi-Fi Setting	Wi-Fi test
Touch	Touch screen test
Hardware Keys	Hardware keys test
Proximity, Light Sensor	Sensor test

Convenience Tools

Convenience Tools provides PDA users with basic android applications they while using the device.



Menu	Description
File Manager	You can browse the internal storage through the file manager. You can also delete or copy folders and files.
Memo	You can take notes using touch or the keypad.
Gallery	You can view photos or videos stored in your PDA.
Music	You can play sound files saved in your PDA.
Video	You can play video files saved in PDA.

APPENDIX I KEY STROKES

DS5A inter-changeable different types of keyboards in simple manual way. Following tables are how to make key character entry using keypads. Characters are not mentioned at this key stroke sequence, it is also available in Soft Input Panel (SIP)

- 34-key Descriptions
- 54-key Descriptions
- DS5 and DS5 wide Alphanumeric Characters
- DS5 and DS5 wide Special Functions

DS5A 34 Key Descriptions

34K-key has Alpha and numeric input in a key. Also, programmable keys are available using function keys from up to F1~F10

Key	Description
Power 	Turns on the terminal and off.
Green/ Red 	Programmable keys. Blue-bar key is used when Cold boot and Factory reset
Scan Trigger 	Scanning button barcode scanner, or RFID
ESC 	Escape the current operation
Enter 	Execute selected item or function
Move Left/Right 	Moves left and right. With blue modifier on. it can adjust LCD back light levels
Move Up/Down 	Moves page, or items lists up and down. With blue modifier, it can adjust volume level
Alphanumeric 	Input numeric in default. With orange modifier, it can switch numeric to alphabet character input
Tab/Back Tab 	Tabulator key which is used to advance the cursor to the next tab stop. With Orange modifier on, the function switch to back tab.
Shift 	It is modifier key which is used to type capital letters and other alternative upper characters.
Control 	It is modifier key which, when pressed in conjunction with another key, performs a special operation, for example Ctrl+C. similar to the Shift key. Pressing Blue modifier key, the function change to Alt key
Space/ Back Space 	Space: its main purpose is to conveniently enter a space. Back Space: it moves the display cursor one position backwards, delete the character at that position. And shift back the text after that position by one position.

Function 	Programmable key buttons. Default F1~F5, press blue modifier key for F6~F10
Orange Modifier 	Function key to input Alphabet. Pressing 1 time is to apply single effect and back to default. Press 2 times to keep the function continuously.
Blue Modifier 	Function key to execute special function, or special characters. Press 1 time is to apply single effect and press 2 times to keep its function continuously.
LCD lighting Control 	It controls LCD back light. Press the button to display brightest, and press again to the dim status you had set using left/right button

DS5A 54 Key Description

54 key has full alpha-numeric key board. Programmable keys are able to be assigned from F1 to F12 using modifier keys.

Key	Description
Power 	Turns on the terminal and off.
Green/ Red 	Programmable keys. Blue-bar key is used when Cold boot and Factory reset
Scan Trigger 	Scanning button barcode scanner, or RFID
ESC 	Exit the current operation
Tab 	Tabulator key which is used to advance the cursor to the next tab stop. With Orange modifier on, the function switch to back tab.
Enter 	Execute selected item or function
Move Left/Right 	Moves left and right. With blue modifier on. it can adjust LCD back light levels
Page Up/Down 	Moves page, or items lists up and down. With blue modifier, it can adjust volume level

Numeric 	Input numeric. Execute preset function, or application by your IT desk, press blue modifier for F1~F10 and orange modifier for F11 ~ F12
Alphabet 	Input alphabet. Default is lower characters. Press SHIFT to input upper characters.
Shift 	It is modifier key which is used to type capital letters and other alternative upper characters.
Control 	It is modifier key which, when pressed in conjunction with another key, performs a special operation, for example Ctrl+C. similar to the Shift key. Pressing Blue modifier key, the function change to Alt key
Back Space 	It moves the display cursor one position backwards, delete the character at that position. And shift back the text after that position by one position. Press Blue modifier for Space function.
Modifier (Orange) 	Function key to access F11 ~F12
Modifier (Blue) 	Function key to access F1~F10 and special characters and features
LCD lighting Control 	It controls LCD back light. Press the button to display brightest, and press again to the dim status you had set using left/right button

DS5A Alphanumeric Characters

0	Numeric Keypad	Full Alpha Numeric Keypad
a	  2	A
b	  2 2	B
c	  2 2 2	C
d	  3	D
e	  3 3	E
f	  3 3 3	F
g	  4	G
h	  4 4	H
i	  4 4 4	I
j	  5	J
k	  5 5	K

l	 5 5 5	L
m	 6	M
n	 6 6	N
o	 6 6 6	O
p	 7	P
q	 7 7	Q
r	 7 7 7	R
s	 7 7 7 7	S
t	 8	T
u	 8 8	U
v	 8 8 8	V
w	 9	W
x	 9 9	X
y	 9 9 9	Y
z	 9 9 9 9	Z
A	 SHIFT SHIFT 2	SHIFT A
B	 SHIFT SHIFT 2 2	SHIFT B
C	 SHIFT SHIFT 2 2 2	SHIFT C
D	 SHIFT SHIFT 3	SHIFT D
E	 SHIFT SHIFT 3 3	SHIFT E
F	 SHIFT SHIFT 3 3 3	SHIFT F
G	 SHIFT SHIFT 4	SHIFT G
H	 SHIFT SHIFT 4 4	SHIFT
I	 SHIFT SHIFT 4 4 4	SHIFT I
J	 SHIFT SHIFT 5	SHIFT J
K	 SHIFT SHIFT 5 5	SHIFT K
L	 SHIFT SHIFT 5 5 5	SHIFT L
M	 SHIFT SHIFT 6	SHIFT M
N	 SHIFT SHIFT 6 6	SHIFT N
O	 SHIFT SHIFT 6 6 6	SHIFT O
P	 SHIFT SHIFT 7	SHIFT P
Q	 SHIFT SHIFT 7 7	SHIFT Q
R	 SHIFT SHIFT 7 7 7	SHIFT R

S	SHIFT SHIFT 7 7 7 7	SHIFT S
T	SHIFT SHIFT 8	SHIFT T
U	SHIFT SHIFT 8 8	SHIFT U
V	SHIFT SHIFT 8 8 8	SHIFT V
W	SHIFT SHIFT 9	SHIFT W
X	SHIFT SHIFT 9 9	SHIFT X
Y	SHIFT SHIFT 9 9 9	SHIFT Y
Z	SHIFT SHIFT 9 9 9 9	SHIFT Z
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

DS5A Special Functions

Character	Numeric Keypad	Full Alpha Numeric Keypad
· Decimal/Full stop		
OK OK	1	
+ Plus	1	A
- Hyphen/Minus	2	B
* Asterisk	3	C
/ Slash(Punctuation)	4	D
# Number Sign	6	M
 Start Menu		

= Equals		 E
< Less-than		 F
> Greater-than		 G
: Colon		 H
; Semicolon		 I
, Comma		 J
? Question		 K
@ @		 L
\$ Dollar		 N
% Percent		 O
^ Caret		 P
& Ampersand		 Q
' Apostrophe		 R
" Quotation		 S
(Parentheses		 T
) Parentheses		 U
 Vertical bar		 V
~ Tilde		 W
! Exclamation		 X

APPENDIX II AUTO SETTING

DS5A's Auto Setting is PC-based program. It can create barcodes and apply the DS5A setting quickly. Below are the functions you can set by Auto Setting.

- Wifi Set
- APK Install
- OTA Update
- Sound volume
- Radio Set
- General
- Mobile APN
- Keymap Set
- Kiosk Set
- Barcode Set
- Block Set

Download DS_Auto Setting program

Connect the DSA to PC, and copy the program (DS_AutoSetting.zip) into PC.

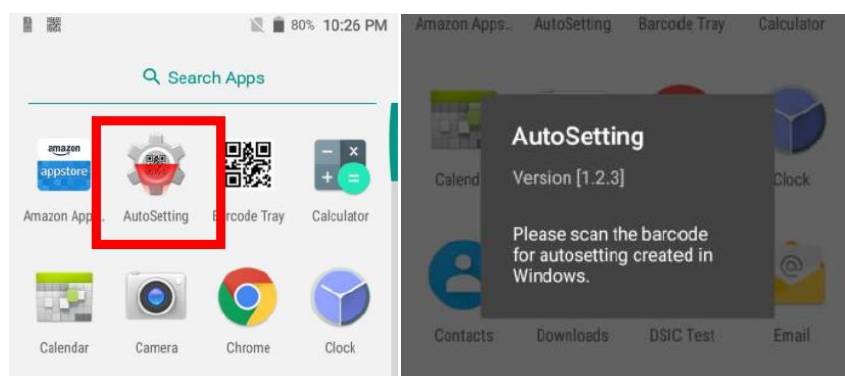
In your DS5A, follow the path as **Menu > FileManager > All Files > INTERNAL > DS_AutoSetting**. Unzip it and run the file in your PC.

이름	유형	압축된 크기	암호 사용	크기	비율	수정된 날짜
aapt.exe	응용 프로그램	681KB	아니요	1,587KB	58%	2019-02-15 오전 10:09
autosetting.xml	XML 문서	1KB	아니요	1KB	47%	2019-03-08 오후 6:45
BarcodeLib.dll	응용 프로그램 확장	38KB	아니요	108KB	66%	2019-02-15 오전 10:08
DS_AutoSetting.exe	응용 프로그램	719KB	아니요	1,046KB	32%	2019-03-13 오전 10:53
DSIC AUTO SETUP MANUAL_V1.1...	Adobe Acrobat Document	606KB	아니요	716KB	16%	2019-03-15 오후 3:11
ThoughtWorks.QRCode.dll	응용 프로그램 확장	953KB	아니요	6,060KB	85%	2019-02-15 오전 10:08

With this program, you will create the barcode for Auto-setting.

Barcode Scanning

After creating the barcode, you need to read the barcode with AutoSetting app in DS5A.



Version Select

Select the model / GMS or noGMS / Phone or Nohone.

List	Description
Model	Select the model. ex) DS5A
GMS	Select the GMS or NOGMS. (GMS : You can find the Playstore in your Menu)
Phone	Select the PHONE or NOPHONE.

Common Interface

You can add the functions you need and create the barcode.

List	Description
Add	Add the needed function on the list.
Delete	Delete the selected item from the list.
Load	Load the selected item from the list. You can do double-click instead of clicking this.
Barcode	Create the barcode with the selected items in the list.
Save	Save settings. The file is stored in the directory as "autosetting.xml"

AutoSetting 1 – Wifi Set

Specify the wifi setting. When you scan the barcode, the setting will be applied automatically and the defined wifi will be connected.

The screenshot shows the 'DS Auto Setting PIE V 1.0.0.1' application window. The 'WIFI Set' tab is selected, displaying various configuration fields. The 'Basic' section includes SSID, Password, and Security (set to None). The 'EAP Setting' section includes EAP Method (PEAP), EAP Phase2 (None), EAP CA Cert (Do not provide), EAP User Cert (Do not provide), EAP ID, and EAP Anonym ID. The 'Proxy' section includes Proxy (None), Host Name, Proxy Port, and Bypass. The 'IP Setting' section includes IP Setting (DHCP), IP Address, Gateway, Network Prefix, DNS1, and DNS2. At the bottom, there is a table with columns for SSID, Security, Proxy use, ProxyHost, Proxy port, Proxy By..., ProxyURL, IP Setting, IP Address, and Gateway. Below the table are buttons for Save, Add, Delete, Load, Barcode, and Xml.

List	Description
SSID	· Duplicate SSID is over-written automatically.
Password	· Password cannot be "null" when Security setting is 'WEP' or 'WPA/WPA2 PSK' · Password should be more than 8 digits when Security setting is 'WPA/WPA2 PSK'
Security	· Choose Security – None, WEP, WPA/WPA2 PSK
Proxy	· Choose Proxy – None, Manual, Proxy Auto-Config · Manual : Activate 'Host Name', 'Proxy Port', and 'Bypass' · Proxy Auto-Config : Activate 'PAC Address'
Host name	· Host name cannot be "null"
Proxy Port	· Proxy Port cannot be "null" · Enter only numbers · Number range is 0~65535
Bypass	· example.com ex) google.com
PAC Address	· PAC Address cannot be "null"
IP Setting	· DHCP / Static IP
IP Address	· IP Address cannot be null · Enter only numbers or dot
Gateway	· Gateway cannot be null · Enter only numbers or dot
Network Prefix	· Network prefix cannot be null · Enter only numbers
DNS1	· DNS1 cannot be null · Enter only numbers or dot
DNS2	· Enter only numbers or dot

AutoSetting 2 – Sound volume

You can control the volume sound or vibration as you need.

DS Auto Setting PIE V 1.0.0.1

WIFI Set | **Sound Volume** | Radio Set | General | Mobile APN | Keymap Set | Kiosk Set | Barcode Set | ETC Set

(Include Ring, System, Noti)

System Volume: Don't care

Alarm Volume: Don't care

Music Volume: Don't care

Call Volume: Don't care

System Volume | Alarm Volume | Music Volume | Call Volume

Save Add Delete Load Barcode Xml

List	Description
System Volume	· Choose Don't care, Level 1~7 or Vibration · It includes ring, system and notification
Alarm Volume	· Choose Don't care or Level 0~7
Music Volume	· Choose Don't care or Level 0~15
Call Volume	· Choose Don't care or Level 1~5

AutoSetting 3 – Radio Set

You can ON/OFF GPS, Bluetooth or Wifi automatically

DS Auto Setting PIE V 1.0.0.1

WIFI Set | Sound Volume | **Radio Set** | General | Mobile APN | Keymap Set | Kiosk Set | Barcode Set | ETC Set

GPS Don't care

Bluetooth Don't care

WIFI Don't care

GPS Bluetooth WIFI

Save Add Delete Load Barcode Xml

List	Description
GPS	· Choose Don't care / Enable / Disable
Bluetooth	· Choose Don't care / Enable / Disable
WIFI	· Choose Don't care / Enable / Disable

AutoSetting 4 – General

Set time or date.

DS Auto Setting PIE V 1.0.0.1

WIFI Set | Sound Volume | Radio Set | **General** | Mobile APN | Keymap Set | Kiosk Set | Barcode Set | ETC Set

Locale: Don't care

TimeZone: Don't care

AutoTime: Don't care

AutoTimeZone: Don't care

ScreenTimeout: Don't care

Locale	TimeZone	AutoTime	AutoTimeZone	Screen Timeout	Allow Unknown

Save Add Delete Load Barcode Xml

List	Description
Locale	· Choose your Language
TimeZone	· Choose your local Time zone
AutoTime	· Set the time automatically. Use Internet time zone.
AutoTimeZone	· Set the date and time automatically. Use network time.
Screen Timeout	· Specify the time to go sleep mode. When it is not used for a certain period of time, it goes sleep mode.

AutoSetting 5 – Mobile APN

You can set APN automatically. Put the APN information according to your use.

DS Auto Setting PIE V 1.0.0.1

WIFI Set | Sound Volume | Radio Set | General | **Mobile APN** | Keymap Set | Kiosk Set | Barcode Set | ETC Set

Name: Mmsc:

APN: Mms Proxy:

Mcc: Mms Port:

Mnc:

Proxy: Auth type:

Port: Type:

User: IP Protocol:

Server: Bearer:

Password:

Name	Mcc	Mnc	Proxy	Port	User	Server	Mmsc	Mms Proxy	Mms Port

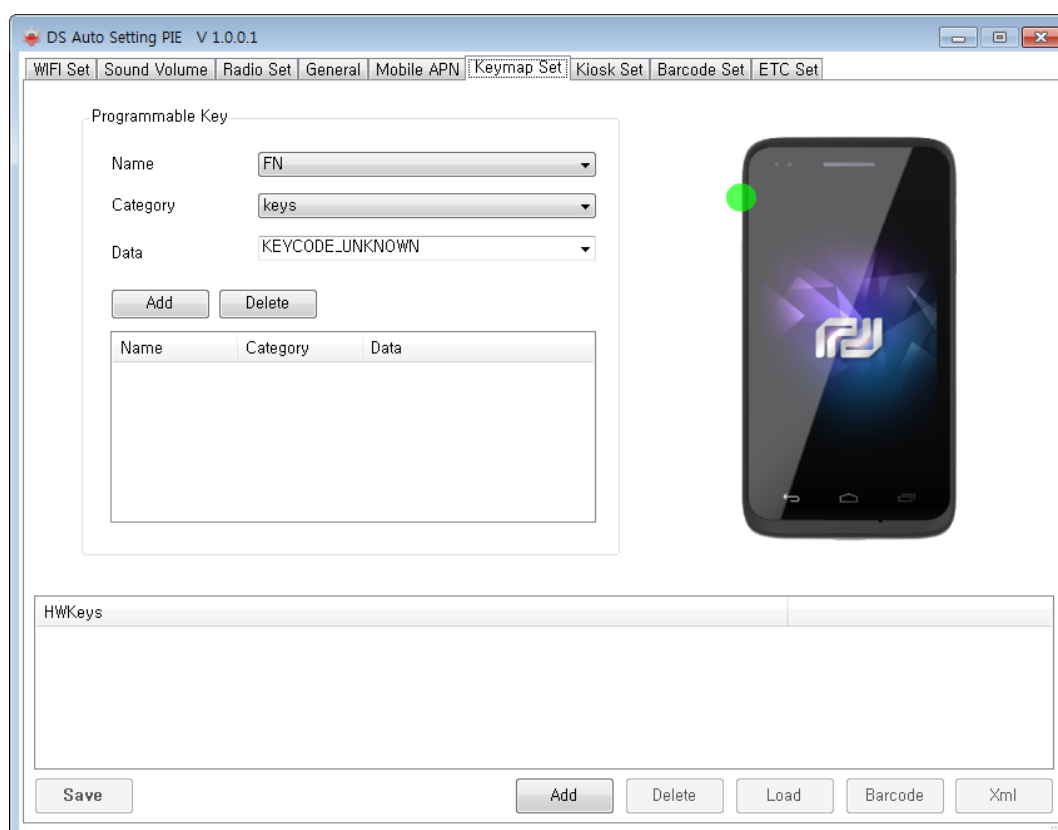
Save Add Delete Load Barcode Xml

List	Description
Name	- Enter the APN Name - Ex) SKT
APN	- Enter APN info - Ex) lte.sktelcom.com
Mcc	- Enter only numbers. Max. 3 digits - Ex) 450
Mnc	- Enter only numbers - Ex) 05
Proxy	Enter the Proxy info. It can be null
Port	- Enter Port number. It can be null - Enter only numbers. Number range is 0~65535
User	Enter User info. It can be null
Server	Enter Server info. It can be null
Password	Enter Password. It can be null

Mmsc	· Enter Mmsc info · Ex) http://omms.nate.com:9082/oma_mms
Mms Proxy	· Enter Mms Proxy info · Ex) lteoma.nate.com
Mms Port	· Enter Mms port number · Enter only numbers. Number range is 0~65535 · Ex) 9093
Auth type	· Choose Auth type – None / PAP / CHAP / PAP_CHAP
Type	· Choose APN type – default / supl / mms / dun · You can do multi-selection
IP Protocol	· Choose IP Portocol – IP / IPV6 / IPV4V6
Bearer	· Choose Bearer – None / LTE / eHRPD

AutoSetting 6 – Keymap Set

You can use a specific key to another function.



List	Description
Model	Choose the model – DS6 / DS4a
Version	- Choose your version of device - GMS_PHONE / GMS_NOPHONE / NOGMS_PHONE / NOGMS_NOPHONE - Each has different application list
Name	- Green spot on the image appears when you choose the key name. - You can choose Enable/Disable for below settings - BRAK (Block Recent App Key) - BHK (Block Home Key) - BBK (Block Back Key) - EKM (Enable Key Map) - RAKM (Reset All Key Map)
Category	Choose the category - Key / Applications
Keys	- Select the Key code from Data list - You can enter the Key code and search directly
Applications	- Select the Application from Data list - You can input the Application directly - Example : com.dsic.test/com.dsic.test.MainActivity
APK Load	- You can select the application from dialog box. - The file extension is '.apk'
Data	- Select the Key or Application in the list - Enable or Disable the settings such as BRAK, BHK, BBK, EKM or RAKM.
Add	Add the key map setting to the list
Delete	- Delete the selected key map setting from the list - You can delete several settings.

AutoSetting 7 – Kiosk Set

Set Kiosk mode to limit the users' access to prevent the misuse.

List	Description
Version	- Choose your version of device - GMS_PHONE / GMS_NOPHONE / NOGMS_PHONE / NOGMS_NOPHONE - Each has different application list
Enable	Select Enable/Disable of Kiosk mode
USB Block	Select Enable/Disable to allow the USB connection
Storage Block	Select Enable/Disable to allow the storage
Install Block	Select Enable/Disable to allow the installation
Password	- Password cannot be "null" - The length of Password is 4~10 digits
Apps	- Select the Application from the list - You can input the Application directly - Example : com.dsic.test/com.dsic.test.MainActivity
APK Load	- You can select the application from dialog box. - The file extension is '.apk'
Add	Add the selected application to Kiosk app list
Delete	Delete the selected application from Kiosk app list

AutoSetting 8 – Barcode Set

You can import Barcode Tray configuration automatically.

First, export the barcode setting file from 'Setup Export/Import' menu of Barcode Tray.
(ex. SE4500_SETTINGS.xml).

Then, apply this setting to other devices by AutoSetting barcode.

DS Auto Setting PIE V 1.0.0.1

WIFI Set | Sound Volume | Radio Set | General | Mobile APN | Keymap Set | Kiosk Set | **Barcode Set** | ETC Set

Path

XML Load

Path

Save Add Delete Load Barcode

List	Description
Path	· Enter the path of barcode setting file
XML Load	· You can select the barcode setting file (ex. SE4500_SETTINGS.xml) from dialog box. · The file extension is '.xml'

AutoSetting 9 – ETC Set

You can configure NTP server.

DS Auto Setting PIE V 1.0.0.1

WIFI Set | Sound Volume | Radio Set | General | Mobile APN | Keymap Set | Kiosk Set | Barcode Set | ETC Set

NTP

NTP

Shortcut	NTP
----------	-----

Save Add Delete Load Barcode Xml

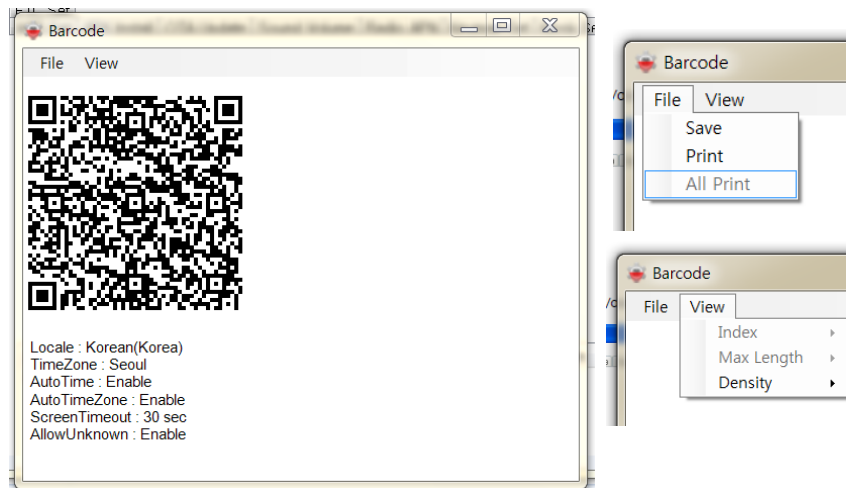
List	Description
NTP	· Enter the NTP. ex : time.google.com

Barcode Form

Locale	TimeZone	AutoTime	AutoTimeZone	Screen Timeout	Allow Unknown
Korean(Korea)	Seoul	Enable	Enable	30 sec	Enable
Korean(Korea)	Seoul	Enable	Enable	5 min	Disable

Save Add Delete Load Barcode

Select the item you want to create barcode, and click Barcode button.
The barcode pops up as below.



List	Description
File	· The barcode can be saved or printed
Save	· Save the barcode image file. You can save as jpg, bmp, gif, or png · When the setting file is big, the barcode can create more than 2. You should save both.
Print	· Print the current barcode
All Print	· Print all barcodes when there is more than 2.
View	· You can select each barcodes when there is more than 2 · You can control the barcode size with 'Max Length' or 'Density'
Index	· It activates when there is more than 2 barcodes · There is counter (1/2, 2/2) on the images
Max Length	· Choose Max Length – 1000 / 1500 / 2000 · Default is 2000 · This menu activates when the date length is more than 1000
Density	· Choose Density – 2 / 3 / 4 · Default is 4



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