

Smart Rugged Tablet Computer

ST080

USER
Manual



BLUEBIRD



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User's Guidance

Device type	User's guidance
Class B Device (Household Information & Communication)	This device has qualified the electromagnetic wave suitable registration and can be used as a household device at a residential area as well as any other areas.
Type Registration	This wireless device may cause propagation interference, and so, it cannot be used for life-saving services.

Revision History

Revised Version	Revised Date	Revised Details
1.0.0	March 2018	First version released.



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User's Guidance

Revision History

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1 About This Manual



The ST080 provides high quality features as a smart terminal using Bluebird's creative ideas and technological expertise. This user manual is designed to help users effectively operate the device.

- Please read this manual carefully before using the device for safe and proper use.
- This device may only be used in countries where it is sold.
- The components and colors of this device in this manual may differ from the actual product.
- Features and specifications are subject to change without prior notice.
- Content may vary by software version or by service provider.
- Apps and features may vary by country or region.
- Certain features of this device may have performance issues due to user environment, programs in use, or peripheral device usage. Bluebird is not liable for any issues caused by third-party apps or accessories.
- Modifying the device's operating system or installing software from unknown sources may cause device malfunction or data loss. Improper or unauthorized use of the device is a violation of the Bluebird license agreement and void your one-year limited warranty.



2.1 Symbols

This manual uses the following symbols to indicate hazards and additional information.

Symbol	Name	Description
	Warning	Indicates situations that could cause injury to yourself or others.
	Caution	Indicates situations that could cause damage to your device or other equipment.
	Note	Indicates additional information that can help you get the most out of the device.

Please read this safety precaution information carefully. Failure to follow the information provided may result in fire, electric shock, or other property damage or bodily injuries.

2.2 Device



- Do not press the Power button on the device if the device is wet or do not touch adapter or power cord with wet hands. There is risk of electric shock.
- Do not use your device in an explosive danger zone.
- If your device becomes wet, do not put your device in heaters, microwaves, etc. to dry it. There is a risk of explosion or malfunction.



- Do not scratch the device's touchscreen. Use only your fingers or a compatible pen. Never use an actual pen, or any other sharp object on the touchscreen.
- Although this device is very sturdy, do not drop, hit, bend, or sit on it on purpose. It can be broken.
- Do not modify, take apart, or repair the device. Contact to your customer service center. Failure to do so will void your warranty.
- Do not attempt to modify your hardware or software. It may cause device malfunction and void your warranty.
- You may not be able to use this wireless device in basements, open fields, skyscrapers, or other places where the signal is weak.
- Backup the data and information from your device. Your data, such as ringtones, texts, and voice messages, may be erased during repairs or upgrades.
- Do not paint your device. It can damage your screen or your device's exterior.
- Avoid using or storing this device at extreme temperatures. This device is designed to work at temperatures between -10°C and 60°C (14°F and 140°F), and humidity level between 5% and 90%.



2.3 Environment



- Do not use the device while driving or operating heavy machinery. Doing so may result in death or serious injury.
- Do not use the device in locations with combustible goods. Doing so may result in an explosion.



- Do not use the device in dusty or hot locations. Doing so may damage the device.
- Do not expose your device to direct sunlight such as on the dashboard of a car for extended periods of time.
- Do not use the device in humid locations. Doing so may damage the device and void the warranty.
- Do not keep the device close to air conditioner vents. Corrosion within the device may occur due to condensation from changes in temperature.
- Do not allow children to play with the device.

2.4 Charging



- Use only the approved charger. Using an incompatible charger may cause device malfunction or other damage, such as fire.

2.5 Distraction



In some situations, using your device may distract you and cause serious injuries and damages. For example, avoid talking on the phone or texting while driving or riding a bicycle. It is strictly prohibited by law in some jurisdictions. If you cannot avoid using your device while driving, stop your vehicle or use hand-free kit.

2.6 Frequency Interference

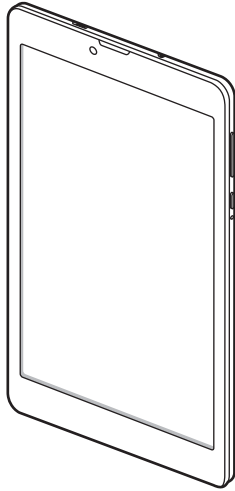


- This wireless device may cause radio frequency interference, so use Airplane mode or turn off the device when prohibited.
- The device emits an electromagnetic fields. It may interfere with your medical devices.
- Do not place credit cards, phone cards, bankbook, and tickets next to the device. The magnetic field of the device can damage their magnetic strips.

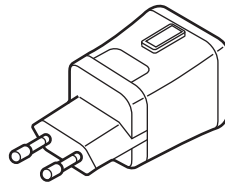


3.1 Package Contents

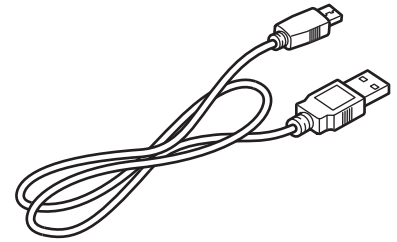
The package includes:



ST080 device



Power adapter



Micro USB cable

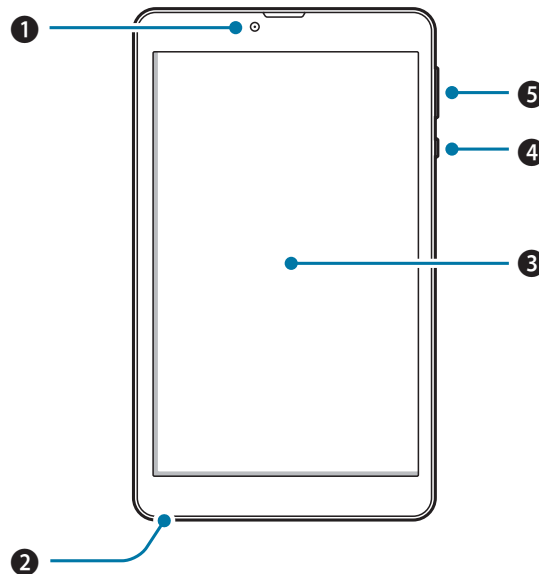


- The illustrations may differ from your actual items.
- To purchase additional accessories, contact your sales representative.
- You can download your User Manual from www.mypidion.com. The paper version may be available for some regions.



3.2 Your Device

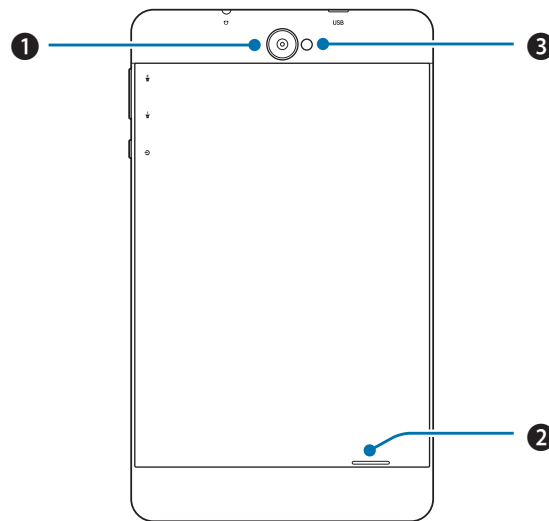
3.2.1 Front



No.	Name	Description
❶	Front camera	Takes selfies and records videos (2 Megapixel). You can use it when you have a video call.
❷	Microphone	Captures sound for calling, video recording, and speech recognition.
❸	Touchscreen	Displays apps and acts as a multi-touch interface.
❹	Power button	Turns the device or screen on or off. You can lock the device by turning off the screen.
❺	Volume button	Turns the volume up and down.



3.2.3 Back



No.	Name	Description
1	Rear camera	Takes photos and record videos (5 Megapixel).
2	Speaker	Emits sound.
3	Flash	Illuminates your surroundings when using the camera and related apps.

3.2.4 Top



No.	Name	Description
1	Headset jack	Connects to the headset.
2	USB port	Connects to the power adapter to charge the device. Connects your device with other devices, such as a computer, via a USB cable.



4.1 Cards

There are three slots for micro SD and SIM card in the inner compartment on the back of your device.

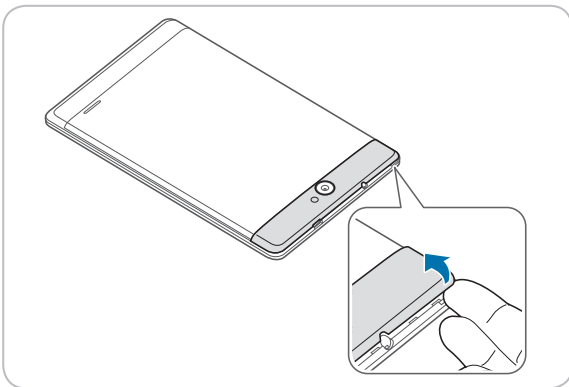
- A micro SD card is required for external storage.
- A SIM card is required for using mobile services.



All cards should be purchased separately if necessary. The specifications may differ according to country where the device is purchased. Contact your sales representative for more information.

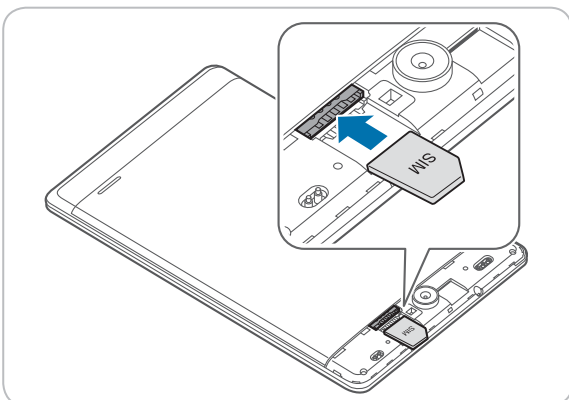
4.1.1 Installing the Cards

To insert the cards, the cover must be removed first. Before installing a card, make sure you are using the correct slot.



To insert the SIM card

Align a SIM card with the slot. Make sure that the gold contacts on the card are facing down. Slide the card into the slot. It will click when it is properly inserted.

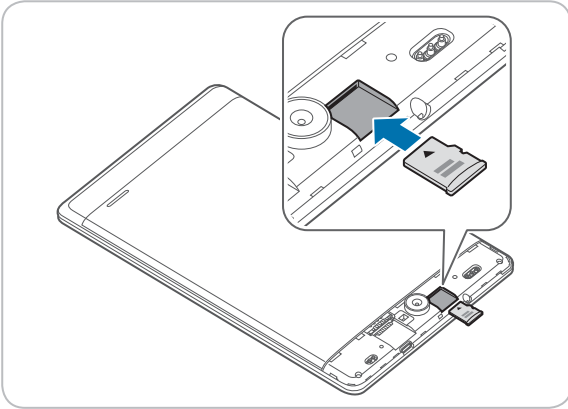


4 Getting Started



To insert the micro SD card

Align a micro SD card with the slot. Make sure that the gold contacts on the card are facing down. Slide the card into the slot. It will click when it is properly inserted.



To remove the micro SD and SIM card

Pull the cards out to remove it.

4.2 Battery

ST080 uses a 4,000 mAh integrated battery.

4.2.1 Charging the Battery

The device can be charged with a charger or a cradle. You can also charge the battery by connecting it to your computer with the provided USB cable. Check the device's battery status on the status bar. You can also check the battery status on the lock screen. When the battery is low, the device will emit a sound and display a low power message.



Charge the device before using it for the first time or after not using it for a long time.



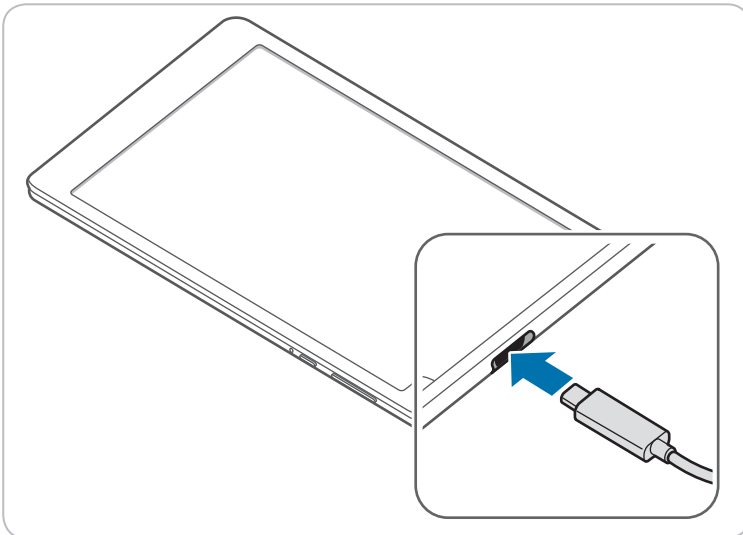
- During operation in the temperature range below 0°C battery will not be charged and LCD may react slowly.
- During operation in the temperature range above 45°C battery charging may be limited and camera noise may be increased.

4 Getting Started



To charge with the charger

Plug the end of the charger into the device's USB port. Connect the USB cable of the charger with power adapter. Plug the charger into a power outlet.



- ✔ When the battery is extremely low on power, the device may not turn on. Charge the device enough and try to turn it on again. You can use the device while charging. But it may take longer to fully charge the device.
- ⚠
 - Connect the charger properly. Failure to do so may cause damage to the device.
 - The device may heat up when charging. If it gets hotter than usual, stop charging.

To charge with the cradle








Connect the power adapter with the cradle, and plug it into a power outlet.



4.2.2 Extending the Battery Life

You can improve the battery life in various ways. The easiest way is to use battery saver mode. When the device goes into battery saver mode, some background features and app settings may not function normally.

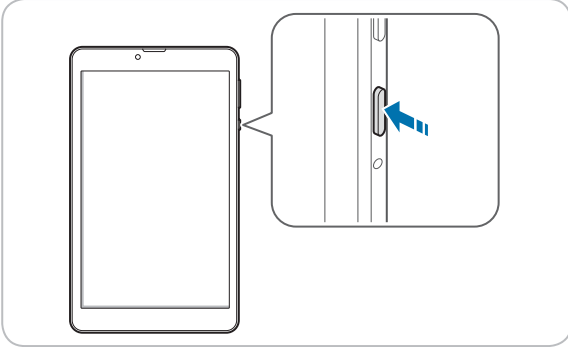
There are some other ways to improve your device's battery life.

- Always fully charge the battery.
- Mute unnecessary sounds, such as keypad sounds.
- Use a wired headset, rather than the loudspeaker.
- Close the Camera app whenever you have finished taking photos.
 - Tap the Back button  on the device.
- Decrease the length of the screen time-out.
 - On the Home screen, tap  >  **Display** > **Sleep** and set a shorter duration on the device.
- Lower the screen brightness.
 - On the Home screen, tap  >  **Display** and tap the **Brightness level** to adjust the brightness level lower on the device.
- Disable Bluetooth when you are not using it.
- Use a Wi-Fi connection to connect to the Internet, rather than a mobile data connection.
- Prevent your device from scanning for available wireless networks.
 - On the Home screen, tap  >  **Wi-Fi** and switch the Wi-Fi to **Off** on the device.



5.1 Turning the Device On and Off

To turn on the device, press and hold the Power button for a few seconds.





To turn off the device, press and hold the Power button, then tap **Power off**.



- To turn the screen on or off, press the Power button.
- Registering the accounts without turning on the Wi-Fi may incur extra charges depending on your data plan.

5.1.1 Using Airplane Mode

On the Home screen, tap  >  **More** and turn **Airplane mode** on. This feature disables all wireless and mobile services. Repeat the step to deactivate Airplane mode.




- You can activate Wi-Fi and Airplane mode from the quick action center. Drag down from the top of the screen at any time from any menu or app and tap the **Wi-Fi** button or **Airplane mode** button.



5.2 Resetting the Device

If your device does not work properly or freezes due to unknown errors, you can force the device to restart.

To reset the device's hardware

- 1 Press the Power button while the device is turning on.
- 2 Press and hold the Power button for a few seconds, and tap  **Reboot** > **OK**.
The device will restart automatically with the reset setting.



The data on the device will remain saved when you perform the hardware reset.

To reset the device's software

On the Home screen, tap  >  **Backup & reset** > **Factory data reset**. All settings and data, including apps and personal content, will initialize, and the factory settings will be restored.




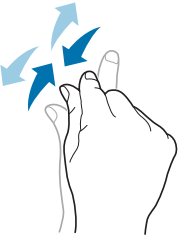



- Reset the device whose battery is charged enough not to make the device turn off suddenly during resetting. You can reset the device, charging the battery with USB cable when the device has low battery power.
- Back up any data and settings you want to keep before resetting the device to the factory default settings.



5.3 Using the Touchscreen

Use finger gestures to use the touchscreen effectively.

- ⚠ Do not touch the screen with any sharp objects.
- Do not apply too much pressure to the touchscreen.

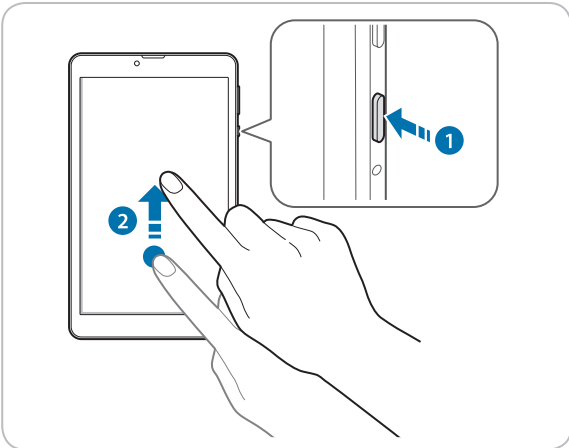
Gesture	Name	Description
	Tap	Briefly touch an item to open, launch, or select it.
	Zoom in or out	Place two fingers on the screen and spread them apart to zoom in. Pull the fingers together to zoom out. You can also double-tap the screen quickly to zoom in or out.
	Tap and hold	Touch an item or the screen for a few seconds to access more detailed menus or options.
	Swipe	Touch the screen and quickly flick in any direction to scroll through menus or pages.
	Drag	Touch an item or the screen for a few seconds and move your finger around the screen to move the item or move through screens.



5.4 Locking and Unlocking the Device

Lock the screen to protect your device and its data.

The device locks if it is not in use for a specified period by default. To unlock the device, press the Power button to turn on the screen and drag upward from the bottom of the screen.



You can increase security by creating a screen pattern, a PIN, or password. For more information about how to configure and change screen lock settings, refer to *Security on page 52*.



5.5 Using the Home Screen

The Home screen is the starting point for all apps and features. It displays icons, shortcuts, and widgets for apps.



No.	Description
1	Status bar
2	Widget
3	Location indicator
4	App icons
5	Back/Home/Menu button

The Home screen has multiple pages. To view other pages, swipe left or right. The Location indicator indicates the current page you are viewing.

You can add or delete shortcuts, and widgets on the Home screen. You can also arrange the shortcuts and widgets. For more information about personalizing your Home screen, refer to *Customizing Your Home Screen* on page 18.



- To return to the Home screen, tap Home button  at any time from any menu or app.
- To view the previously opened apps, tap Menu button  and swipe between the apps. Tap any app to open it again.



5.5.1 Viewing the Status Bar

The status bar appears at the top of the screen. It displays the status icons and the current time on the right, and the notification icons on the left.



No.	Description
1	Notification icons
2	Status icons and the current time

5.5.2 Notification Icons






















Notification icons in the status bar alert you to notifications, such as upcoming events, messaging, emails, missed calls, data usage, and much more.

Icon	Description
	Indicates that there are more notifications that are not displayed in the status bar.
	Indicates that data is syncing.
	Alerts you to an upcoming event.
	Indicates that a song is playing.
	Indicates that your device is uploading data.
	Indicates that your device is downloading data.
	Indicates that the micro SD card is almost full.
	Your device has detected an active USB connection.
	Indicates that your device has received a new text or multimedia message.
	Indicates that you have missed calls.





5.5.3 Status Icons

The status icons in the status bar provides information about your device's status, such as GPS, signal strength, roaming, battery charge, data, alarm, etc.

Icon	Description
	Indicates that GPS is in on.
	Indicates that your device is searching for location data.
	Indicates that the alarm is set.
	Indicates that the device is set to vibrate.
	Indicates that all sounds are turned off.
	Indicates that the microphone is muted during a call.
	Indicates that the battery is fully charged.
	Indicates that the battery is partially drained.
	Indicates that the battery is low.
	Indicates that the battery is very low.
	Indicates that the battery is charging.
	Indicates that Airplane mode is active—you cannot make any calls, and other wireless functions are disabled.
	Indicates that Bluetooth is on.
	Indicates that your device is connected to a Wi-Fi network.
	Indicates that there is no Wi-Fi signal.
	Indicates that you are in range of your mobile network and it indicates the mobile network's signal strength.
	Indicates that there is no mobile network signal.
	Indicates that your device is connected to a 4G network.
	Indicates that your device is connected to a 3G network.
	Indicates that your device is connected to an HSPA network.
	Indicates that your device is connected to an EDGE network.



Icon	Description
	Indicates that your device is connected to an GPRS network.
	Indicates that there is no SIM card installed.



- Other than the icons described in the table above, there are various other notifications and status icons that are displayed on the status bar depending on the situation.
- When the icons on the status bar are hidden, tap the status bar on the screen to display icons temporarily.
- The appearance of icons may vary depending on your region or network service provider.

5.6 Customizing Your Home Screen

You can customize the Home screen by adding shortcuts and widgets.

5.6.1 Adding Shortcuts or Widgets

Shortcuts added on the Home screen allows you to access and launch apps or activate a feature quickly and easily. Widgets appear as on-screen apps.

To add a shortcut

On the Home screen, tap  to view your all apps. Locate an app, and tap and hold the item until the Home screen appears. Position the item on the screen and release.

To add a widget

On the Home screen, tap and hold the screen until the WIDGETS icon appears on the bottom of the screen. Tap **WIDGETS** and select a widget option you want to set.



- The same shortcuts or widgets can be added to any of the available screens.

5.6.2 Arranging Shortcuts or Widgets

Tap and hold the shortcut icon or widget you want to move. Drag the shortcut icon or widget to a new location. To place the item on a different page, drag it to the edge of the screen.



- To change the size of your widget, tap and hold the widget on the Home screen. Release the item and a white box will be displayed around the widget. Drag the white dots to change the size. It is not available for some widgets.



5.6.3 Removing Shortcuts or Widgets

Tap and hold a shortcut icon or widget. Drag it to **X Remove** at the top of the screen and release it to remove the shortcut icon or widget.



5.7 Using Your Device with Ease

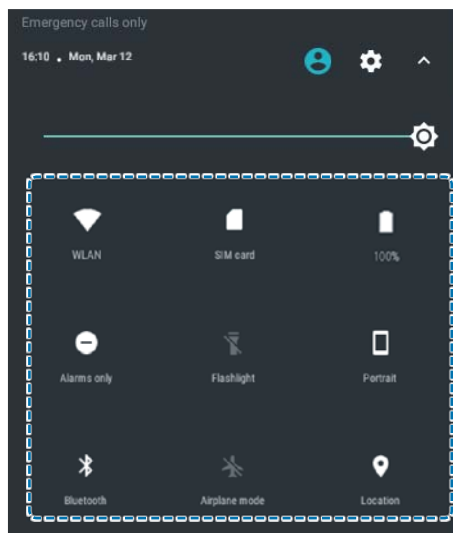
Make it easier to see, hear, and use the device with its built-in accessibility features.

On the Home screen, tap  >  **Accessibility** and make the text size bigger, increase text contrast, and more to fit your individual needs. For more information on configuring Accessibility settings, refer to *Accessibility on page 57*.

5.7.1 Quick Actions

Access the most frequently used settings quickly with quick action, turning them on or off in an instance.

- 1 Drag down from the top of the screen at any time from any app and tap a quick action button to turn it on or off.





- 2 Drag up from the bottom of the screen or tap the Back button .





5.7.2 Setting Date and Time

The date and time are automatically set based on the network you are connected to.

To set the date and time manually

On the Home screen, tap  >  **Date & time**, then disable **Automatic date & time**. If you turn off this option, the options for setting date and time will be activated.

To set the date and time automatically

On the Home screen, tap  >  **Date & time**, then choose the options between **Use network-provided time** and **Use GPS-provided time**.

To set the time zone manually

On the Home screen, tap  >  **Date & time**, then disable **Automatic time zone**.


To set the time zone automatically

On the Home screen, tap  >  **Date & time**, then enable **Automatic time zone**.

To set the date and time format

On the Home screen, tap  >  **Date & time**, then turn **Use 24-hour format** on or off.

5.7.3 Setting the Keyboard and Language

On the Home screen, tap  >  **Language & input** to change the language and the keyboard you use. For more information, refer to *Language and Input on page 55*.

5.7.4 Adjusting the Screen Brightness



- 1 On the Home screen, tap  >  **Display** > **Brightness level**.
- 2 Tap and move the slider to adjust the screen brightness.



5.8 Connectivity

5.8.1 Wi-Fi

Connecting to a Wi-Fi network is an easy way of accessing the Internet. When you are out, you can connect to Wi-Fi networks in public places.

- 1 On the Home screen, tap  >  **Wi-Fi**.
- 2 Make sure to turn Wi-Fi on.
- 3 Tap the network you want to join.
- 4 If necessary, enter the password for the network and tap **CONNECT**.

To disconnect the network connection, turn Wi-Fi off.



Your device periodically checks for and notifies you of available connections. The notification appears briefly at the top of the screen.

5.8.2 Bluetooth

You can connect wirelessly to various Bluetooth-compatible devices, such as phones, computers, headsets, and car kits. You can also send your photos to Bluetooth-compatible phones or to your computer.

On the Home screen, tap  >  **Bluetooth**.

Because devices with Bluetooth wireless technology communicate using radio waves, they do not need to have a direct line of sight. However, they must be within 10 meters (33 feet) of each other, although the connection may be subject to interference from obstructions, such as walls or from other electronic devices.



- Paired devices can be connected to your device when Bluetooth turns on.
- Other devices can detect your device only if the Bluetooth settings view is open.



Do not accept the requests from unknown devices and also do not try to pair with an unknown devices. This helps to protect your device from harmful content.



To pair with a Bluetooth device

Pair your device with Bluetooth compatible devices.

1 On the Home screen, tap  >  **Bluetooth**.

2 Turn the Bluetooth **On**.



- Make sure the devices you want to pair with have Bluetooth enabled.
- You may need to start the pairing process from the headset. For details, see your headset user guide.

3 On the Bluetooth device list, tap the device you want to pair with.

4 Type or confirm the PIN, and tap **PAIR**, if required.



- The passcode, which you can create, must be entered on both devices. The PIN in some devices is fixed. For details, see the user guide of the other device.
- A PIN is only used when you connect to something for the first time.

When your device has paired with other devices via Bluetooth, your devices will automatically pair in the future when in range.

To unpair a Bluetooth device

Unpair your device with other device you paired.

1 On the Home screen, tap  >  **Bluetooth**.

2 Tap device's name to disconnect.


3 Tap **FORGET**.

To send content via Bluetooth

Use Bluetooth to wirelessly share your photos or other content with Bluetooth-compatible devices or to your computer. You can use more than one Bluetooth connection at a time.

For example, while using a Bluetooth headset, you can still send things to another device.

1 Pair your device with another Bluetooth device.

2 Tap the content you want to share then tap  > **Bluetooth**.

3 On the Bluetooth devices list, tap the device you want to share with.



6.1 Installing and Uninstalling Apps

You can purchase and download apps.

Tap  on the Apps screen.

6.1.1 Installing App

In the Play Store, browse apps by category or enter the keywords on search field to search for a keyword.


Select an app you want to install and see whether the app is free or not.

- To download a free app, tap **INSTALL**.
- To purchase and download a paid app, tap the price and follow the on-screen instructions.










To change the auto update settings, tap  > **Settings** and tap the **Auto-update apps**, and then select an option.

6.1.2 Uninstalling App

On the Home screen, tap  to view all your apps. Tap and hold the app icon you want to uninstall until the Home screen appears. Drag it to **Uninstall** and release it to uninstall the app.











6.2 Overview of Apps

On the Home screen, tap  to view all the apps on your device.

Icon	Name	Description
	File Manager	Use to organize and manage your files.
	FM Radio	Use to listen to the radio. You can set up regional settings, audio output mode, record duration, etc.
	Calculator	Use for mathematical calculations. For more information, refer to <i>Calculator on page 44</i> .
	Calendar	Use to create, view, and manage events. For more information, refer to <i>Calendar on page 38</i> .
	Camera	Use to take photos or record videos. For more information, refer to <i>Camera on page 36</i> .
	Clock	Use to set an alarm, view current times around the world, and use a timer or a stopwatch. For more information, refer to <i>Clock on page 40</i> .
	Contacts	Use to add, view, and edit your contacts. For more information, refer to <i>Contacts on page 33</i> .

6 Applications



Icon	Name	Description
	Downloads	Use to view all downloaded files. For more information, refer to <i>Downloads on page 44</i> .
	Gmail	Use to send or view emails. For more information, refer to <i>Gmail on page 35</i> .
	Phone	Use to make phone calls. For more information, refer to <i>Phone on page 25</i> .
	Messages	Use to send or view messages. To start a conversation in this app, tap  at the bottom right of the screen.
	Sound Recorder	Use to record sound. To start recording in this app, tap  at the bottom of the screen.
	Settings	Use to configure your device. For more information, refer to <i>Settings on page 46</i> .
	Browser	Use to search for information and browse webpages.
	Wireless Update	Use to update your device wirelessly.






6.3 Phone

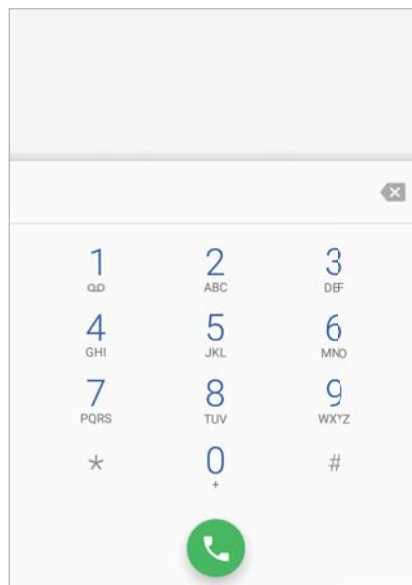
6.3.1 Making Calls

On the Home screen, tap  > .

You can simply dial the number, tap on a number on the call log, or choose a number in your contacts.

To make a call on the dialer screen

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app.



- 3 Tap the keypad, enter a phone number, then tap  to call.

 Touch and hold number 1 key to use voicemail.

Enter digits and the following options appear on the top of the screen.

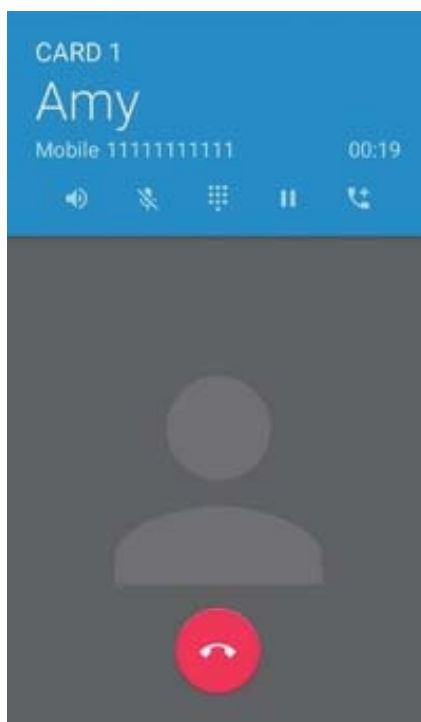
- **Create new contact:** Select to add a new contact.
- **Add to a contact:** Select to add a number to the contact list as an existing contact.
- **Send SMS:** Select to send a text message to the dialed number.







Tap  on this screen for dialing options.

- **Add 2-sec pause:** Select to add a two-second pause before the phone dials the following sequence of digits. Multiple pauses can be added.
- **Add wait:** Select to make the phone dial the sequence of digits when you tap **Yes** on the pop-up screen.



To use options during your call






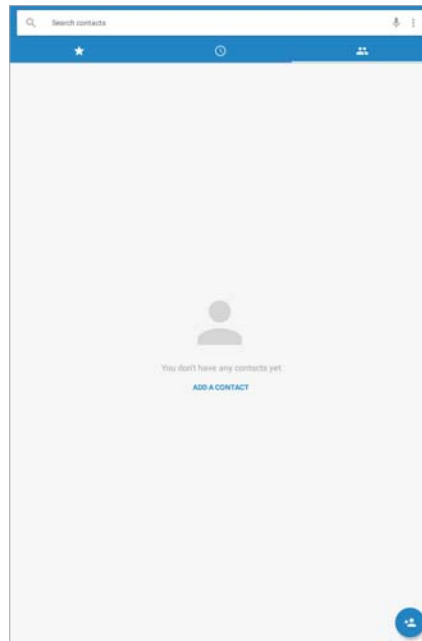
Icon	Description
	Turn the speakerphone on.
	Mute your microphone.
	Open the keypad.
	Hold a call.
	Add another person to the call.
	End the call.

6 Applications



To make a call from contacts list

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app.







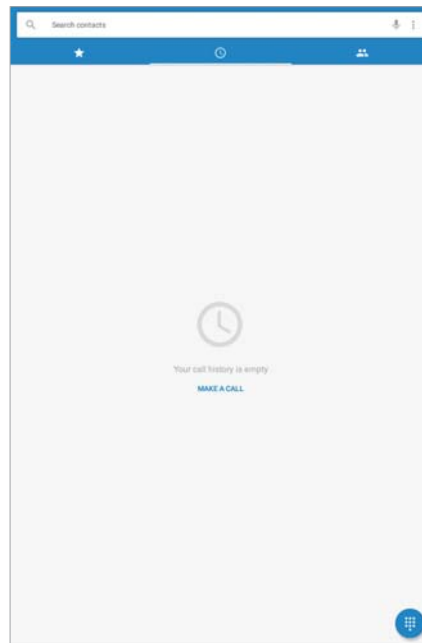
- 3 Tap a name in your contacts list and then tap a phone number to dial the number.

6 Applications



To make a call from call log

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app. You can also open the call log by tapping  > **Call History**.






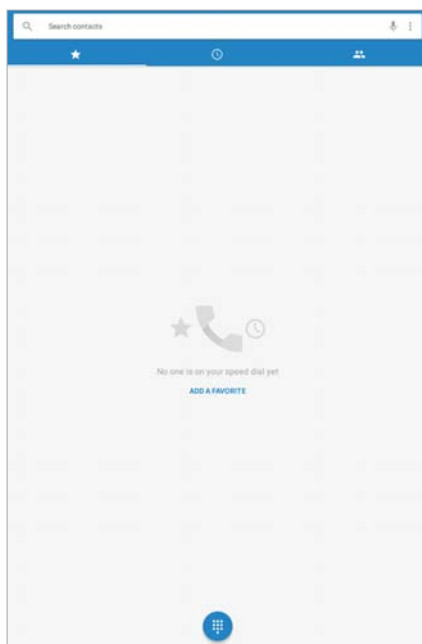
- 3 Tap  to dial the number.



To make a call from speed dial

You can make quick calls without entering a phone number or searching for a contact with the speed dial function. You should assign a speed dial number to a contact first. For more information on creating new speed dial, refer to *Making Speed dial on page 32*.

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app.



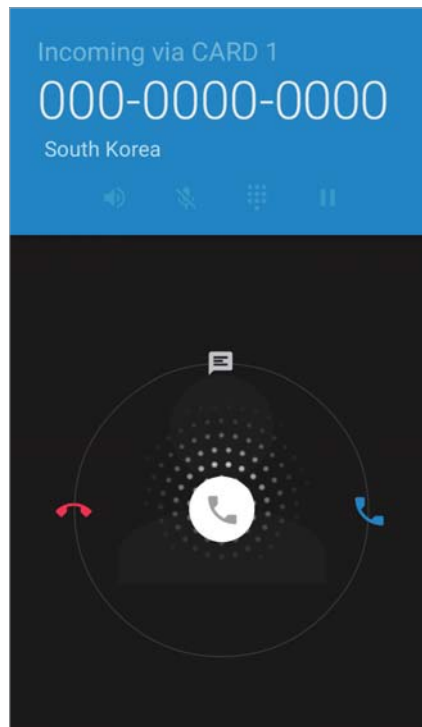
- 3 Tap any speed dial contact to dial the number.






6.3.2 Answering Calls




When you receive a phone call, the incoming call screen opens with the caller ID, and any other available information, such as the caller's name, if saved in the contacts list.

Tap and drag  to one of the following icons:



Icon	Description
	Answer an incoming call.
	Decline an incoming call and divert it to voicemail.
	Decline an incoming call and send a text message.






- To silence the ringtone or to stop the vibration of an incoming call, press the Volume down button on the side of the device.
- To edit the quick text responses for declining a call, tap  >  >  > **Settings** > **Quick responses**.



6.3.3 Viewing Call Log








The call log displays the dialed, missed, and received calls.

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app. You can also open the call log menu by tapping  > **Call History**.



Icon	Description
	Missed incoming calls
	Outgoing calls
	Received incoming calls

6.3.4 Making Conference Calls

You can make a conference call with many people. The maximum number of people who can be in a conference call at once depends on your service provider.

- 1 On the Home screen, tap  >  > .
- 2 Make a call first and tap  to add another person to the call.
The first call will be put on hold.
- 3 Dial the second number and make the call.
- 4 When the second call is connected, tap  to create a conference call with three people.
- 5 To add another person to the conference call, tap .
- The conference call will be put on hold.
- 6 Dial the third number and make the call.
- 7 When the call is connected, tap to  add the line to the conference call.

You can do following options during the conference call.

- To view all callers participated in the conference call, tap **Manage conference call**.
- To disconnect one caller from the conference call, tap **Manage conference call** > .
- To separate one caller from the conference all, tap **Manage conference call** > .

6.3.5 Making Emergency Calls





You can make emergency calls to 911 even when your phone is locked, not registered for mobile network service, or a SIM is not inserted. No charges for making emergency calls.

 The emergency numbers may vary by country.







6.3.6 Making Speed dial




To create a new speed dial

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app.
- 3 Tap a name in your contacts.
- 4 Tap  to add the number you selected as a speed dial.

To edit speed dial

- 1 On the Home screen, tap  > .
- 2 Tap  on your Phone app.
- 3 Select the name you want to edit and tap .

6.3.7 Phone Settings

On the Home screen, tap  >  >  > **Settings** on your Phone app. This menu can only be accessed through this app. You can modify various call options.

Display options

- **Sort by:** Tap to select the sorting method of contacts. You can select **First name** or **Last name**.
- **Name format:** Tap to select the format the names are displayed in. You can select **First name first** or **Last name first**.

Sounds and vibration

- **Phone ringtone:** Tap to select the ringtone to alert you of incoming calls. Tap a ringtone to play it. If you decide to set it as a ringtone, tap **OK**. If not, select another ringtone or tap **CANCEL**.
- **Also vibrate for calls:** Tap and select the checkbox to set your device to vibrate and emit ringtone at the same time for incoming calls.
- **Dialpad tones:** Tap and select the checkbox to play a sound when tapping the keypad.

Quick responses

Tap and edit the quick responses to use when declining a call.

6 Applications




Calling accounts

- **All calling accounts:** Select which accounts can make calls.

Call blocking

Tap to add a number you want to block.

Accessibility

- **TTY mode:** Tap to select the TTY mode.
 - **TTY Off:** TTY mode is off.
 - **TTY Full:** Turn TTY on.
 - **TTY HCO:** Enable HCO (Hearing Carry over). HCO feature is designed for the people who can hear, but have difficulty speaking on the phone. You type the outgoing text but listen to the incoming text.
 - **TTY VCO:** Enable VCO (Voice Carry over). VCO feature is designed for the people who can speak, but have difficulty hearing on the phone. You can use your voice to speak and read the other person's response in a text typed by the operator.
-  Use a TSB-121 cable to connect the TTY device to your phone. If this cable is not provided with your TTY device, contact your TTY device manufacturer.
- Use the ear pieces and headsets with caution when increasing the volume while using the HCO feature.
- Teletypewriter or text telephone (TTY) mode is a telecommunications service that allows people with hearing problems, or speech or language disabilities, to send and receive text information over a telephone connection.





6.4 Contacts

Use the Contacts app to add, view, and edit your contacts. The app has two tabs to view your contacts: **FAVORITES** AND **ALL**.

On the Home screen, tap  > , or you can add widgets for your most frequently used contacts to the Home screen.

6.4.1 Creating Contacts





You can add contacts and synchronize them with your accounts that support syncing contacts.

- 1 On the Home screen, tap  > .
All your contacts are listed in the **ALL** tab.
- 2 Tap  at the bottom right of the screen.
- 3 Add information and photo to the contact.
- 4 When you are finished, tap  on the top right of the screen.





6.4.2 Editing Contacts

To edit contact details





- 1 On the Home screen, tap  > .
All your contacts are listed in the **ALL** tab.
- 2 Tap the name of a contact to view their details. Tap .
- 3 When you are finished, tap  on the top right of the screen.

To set a contact's default phone number




When there are two or more phone numbers saved for a contact, you can set a default phone number.

- 1 On the Home screen, tap  > .
- 2 Tap a name in your contacts to view their details.
- 3 Tap and hold the phone number you want to set as the contact's default number.
- 4 Tap **Set default** from the pop-up menu.
The default number appears on top.





To set a ringtone for a contact

- 1 On the Home screen, tap  > .
- 2 Tap the name of a contact to view the details.
- 3 Tap  >  > **Set ringtone**.

To place a contact on the Home screen

- 1 On the Home screen, tap  > .
- 2 Tap the name of a contact to view their details.
- 3 Tap  > **Place on Home screen**.
A widget for the contact will be created on the Home screen.




To delete a contact

- 1 On the Home screen, tap  > .
- 2 Tap the name of a contact to view their details.
- 3 Tap  >  > **Delete**.





6.4.3 Finding Contacts




You can search for contacts by name or number.

- 1 On the Home screen, tap  > .
All your contacts are listed in the **ALL** tab.
- 2 Tap  and enter letters of their name or digits of their phone number.
As you type, contacts that includes the letters or numbers will appear below the search box.
- 3 Tap the contact you are searching for to view it.

6.4.4 Calling Contacts

- 1 On the Home screen, tap  > .
All your contacts are listed in the **ALL** tab.
- 2 Tap the name of a contact to view their details.
- 3 Tap the phone number.
It calls the number at once. For more information, refer to *Making Calls on page 25*.





6.4.5 Messaging Contacts

- 1 On the Home screen, tap  > .
All your contacts are listed in the **ALL** tab.
- 2 Tap the name of a contact to view their details.
- 3 Tap .

6.5 Gmail

Use this app to send or view emails.

On the Home screen, tap  > . Enter your email address and password to set up your email account(s).

- To set up your email account(s), tap  > **DONE** > **Add an email address**. Complete the setup by entering your email address and password.
- To add another account, tap  >  **Accounts** > **Add account**.
 -  • To use web and data services, your device must be connected to the Wi-Fi or data networks. For more information on how to connect to networks, refer to *Wi-Fi on page 46* or *More Settings on page 47*.
 - Using the Internet browser or downloading from the Internet via your data network may incur extra charges depending on your data plan.



6.6 Camera

Use this app to take photos or record videos.

On the Home screen, tap > . You can also directly open the camera app from the lock screen. Swipe the screen to left while tapping .



- The first time you open the Camera app, you are prompted to add location tag to the photos and display the information.
- If micro SD card is installed, the photos and videos will be saved on the internal storage.

6.6.1 Taking Photos in Normal Mode

- 1 On the Home screen, tap > and make sure that camera mode is set to .
- 2 Aim the camera at the object. To zoom in or out, spread or pinch two fingers on the screen.
- 3 Tap to take a photo. You can hear a ding sound.
Your device automatically focuses on the object if the ZSL option is off and saves the photo on your internal storage.
- 4 Tap the thumbnail of the last image you captured on the bottom of the screen. To go back to the viewfinder, tap at the bottom left of the screen.

6.6.2 Taking Photos in Panorama Mode

- 1 On the Home screen, tap > and make sure that camera mode is set to .
- 2 Tap to take a panoramic photo. You can hear a ding sound.
- 3 Pan slowly to the left, right, up or down.
A progress bar is displayed on the capturing screen.
- 4 Tap to end taking a panoramic photo. You can hear a ding sound. Your device automatically saves the photo on your internal storage.
To cancel rendering, tap .
- 5 To view photos, tap the thumbnail of the last image you captured on the bottom of the screen. To go back to the viewfinder, tap at the bottom left of the screen.



6.6.3 Taking Photos in Face Beauty Mode

- 1 On the Home screen, tap > and make sure that the camera mode is set to .
- 2 Tap to take a Face beauty photo. You can hear a ding sound.

6.6.4 Recording Videos

- 1 On the Home screen, tap > .
- 2 Aim the camera at the object and adjust the image. To zoom in or out, spread or pinch two fingers on the screen.
- 3 Tap to record a video. You can hear a ding sound.
- 4 Tap to stop recording. You can hear a ding sound.
Your device automatically saves the video on your internal storage.
- 5 Tap to pause a video. To restart recording a video, tap .
- 6 To view the recorded videos, tap the thumbnail on the bottom of the screen. To go back to the viewfinder, tap at the top left of the screen.

6.6.5 Settings

You can modify various camera options. This camera settings menu can only be accessed through this app.





- 1 On the Home screen, tap > .
- 2 Tap the icon on the right of the screen to change the camera settings.
 - Tap to turn HDR capture on.
 - Tap to enable or disable the flash or to set the flash to operate automatically.
 - Tap to switch between the front and rear cameras.

HDR capturing or flash cannot be used in Panorama mode or Face beauty mode.
- 3 Tap on the left of the screen to change the camera settings.
 - **Exposure:** Tap to set the exposure value. Increasing the exposure value will double the amount of light captured by the camera and decreasing the exposure value will halve the amount of light captured by the camera.
 - **Color effect:** There are nine color effects to choose from. They are Mono, Sepia, Negative, Aqua, Blackboard, and Whiteboard.
 - **White balance:** Tap to select a suitable light source for your photo.
 - **Scene mode:** Tap this option to set camera modes that can be used in different situations. There are fourteen to choose from: **Auto, Night, Sunset, Party, Portrait, Landscape, Night portrait, Theatre, Beach, Snow, Steady photo, Fireworks, Sports, and Candle light.**

• Color effect cannot be used in Panorama mode or Face beauty mode.
 • Scene mode cannot be used in Panorama mode.

6 Applications



- 4 Tap  on the bottom of the screen for more camera and video settings.
 - Tap  for more general settings.
 - **GPS location info:** Tap to turn the GPS location setting on or off.
 - **Image properties:** Tap to set the **Sharpness, Hue, Saturation, Brightness, and Contrast**.
 - **Anti-flicker:** Tap to select the options to prevent flicker. There are three to choose from: **Off, 50Hz** and **60Hz**.
 - Tap  for more camera settings.
 - **Zero shutter delay:** Tap to capture images at the instant you press the capture icon.
 - **Face detection:** Tap to select the checkbox to turn automatic face detection on or off.
 - **Auto scene detection:** Tap to turn auto scene detection on or off.
 - **Self timer:** Tap to enable the Self timer.
 - **Capture number:** Tap to select capture number.
 - **Picture size:** Tap to select the size of photos in pixels.
 - **Preview size:** Tap to select the preview size.
 - **ISO:** Tap to set the ISO number. Use a lower ISO number to make your camera less sensitive to light and use a higher ISO number to take a photo in dark conditions.
 - Tap  for more video settings.
 - **EIS:** Tap to enable Electronic image stabilization.
 - **Microphone:** Tap to turn the microphone on.
 - **Audio mode:** Tap to toggle the audio mode between **Normal** and **Meeting**.
 - **Video quality:** Tap to set the video quality.



The availability of certain features may differ in each mode.

6.7 Calendar




Use this app to create, view, and manage events.

On the Home screen, tap  > . You can also add and tap a widget Settings on the Home screen.



To add events, you must set up an account. For information about how to set up an account, refer to [Accounts on page 53](#).

6.7.1 Creating Events





- 1 On the Home screen, tap  > .
- 2 Tap  > **Schedule, Day, Week** or **Month**.
- 3 In **Day, 3 Day** or **Week** view, tap a date or time to select it and tap it again to add events. If you try to add events in **Schedule** or **Month** view, tap a date and the screen will switch to **Day** view.
- 4 Tap the time and tap it again to add events.






You can also add events by tapping  at the bottom right of the screen in any view modes. Make sure you have to choose the date first.








6.7.2 Changing Calendar View

- 1 On the Home screen, tap  > .
- 2 Tap  and select one of the following options: **Schedule**, **Day**, **Week** or **Month**.
- 3 Tap today's date  on the top right of the screen.

6.7.3 Viewing Events

- 1 On the Home screen, tap  > .
- 2 Tap  > **Schedule**, **Day**, **Week** or **Month**.
- 3 In **Schedule**, **Day** or **Week** view, tap an event to view its details. If you try to view an event's details in **Month** view, tap an event and the screen will switch to **Day** view.
- 4 Tap the event to view its details.




6.7.4 Editing and Deleting Events

- 1 On the Home screen, tap  > .
- 2 Tap  > **Schedule**, **Day**, **Week** or **Month**.
- 3 In **Schedule**, **Day** or **Week** view, tap an event to view its details. If you try to view an event's details in **Month** view, tap an event and the screen will switch to **Day** view.
- 4 Tap the event to view its details.
- 5 Tap  to edit the event and tap **SAVE**. If you want to delete the event, tap  > **Delete**.




6.7.5 Refreshing the Calendar

- 1 On the Home screen, tap  > .
- 2 After adding, editing or deleting events, tap  > **Refresh**.

6.7.6 Searching for Events

- 1 On the Home screen, tap  > .
- 2 Tap  > **Search** and then enter the keywords.

6.7.7 Syncing Events

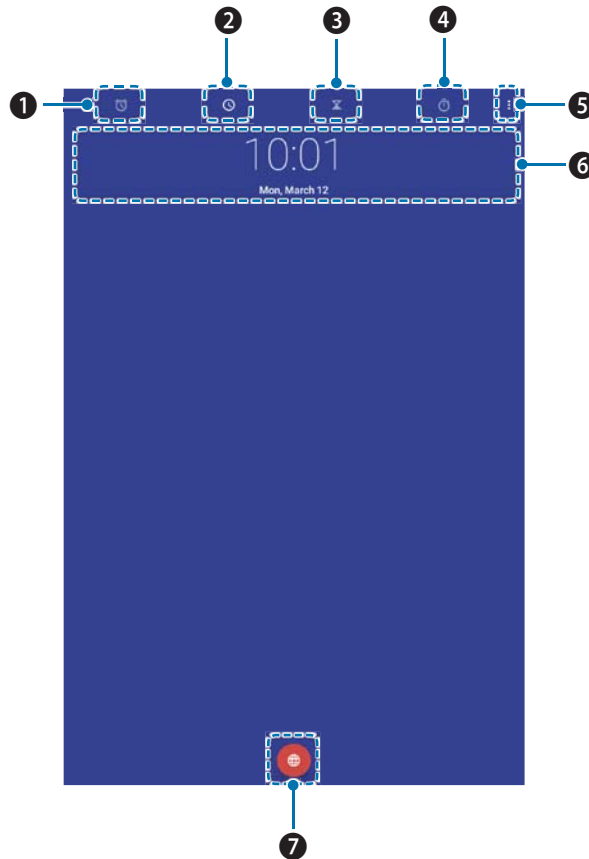
You can sync calendars with registering the Google™ accounts on your device. To register the accounts, tap  >  >  **Accounts** and restart the Calendar app. For more information on registering the Google account on your device, refer to *Accounts on page 53*.



6.8 Clock

Use this app to set an alarm, view the time in cities around the world, or use a timer or a stopwatch.

On the Home screen, tap  > .







No.	Description
1	Alarm
2	Clock
3	Timer
4	Stopwatch
5	More options
6	Current time and date of the location depending on your connected mobile network service
7	Add cities



6.8.1 Alarm and clock

You can set alarms or edit clock options with the Clock app.






To set an alarm

- 1 On the Home screen, tap  >  > .
- 2 Tap  and set the time for the alarm and tap **OK**.
- 3 Select the **Repeat** checkbox and select the days you want the alarm to sound on.
If you want to change the alarm ringtone, tap **None**.
- 4 To make the device vibrate during the alarm, select the **Vibrate** checkbox.
- 5 Tap **Label** to name the alarm.





To delete an alarm

- 1 On the Home screen, tap  >  > .
- 2 Tap an alarm > .
- 3 Tap **UNDO** at the bottom of the screen if you do not want to delete the selected alarm.

To add cities







- 1 On the Home screen, tap  >  > .
- 2 Tap  to add cities, and select the checkboxes of the cities you want to add.
- 3 Tap  to save.





To switch to Screen saver mode

- 1 On the Home screen, tap  >  > .
- 2 Tap  > **Night mode**.
Your device dims the screen lights and displays the current time. Tap the screen to go back to the Clock screen.











6.8.2 Timer

- 1 On the Home screen, tap  >  > .
- 2 Tap  to specify the time period. It is entered in the following order: hour, minute, second. If you want to delete the number you entered, tap .
- 3 Tap  to start the timer.
The following icons are displayed on the timer screen.

Icon	Description
	Pause the timer.
	Restart the timer after pausing it.
Label	Make a name for the timer.
+1'	Add 1 minute to the current amount of time left.
	Discard the timer.
	Add a new timer. Swipe up and down to search for added timers.

6.8.3 Stopwatch




- 1 On the Home screen, tap  >  > .
- 2 Tap the clock on the middle of the screen or tap  to start the stopwatch.
The following icons are displayed on the stopwatch screen.

Icon	Description
	Pause the stopwatch.
	Restart the stopwatch.
	Record the lap times.
	Stop the stopwatch.
	Share the results. You can share the results via Bluetooth, email, etc.



6.8.4 Settings

You can modify various clock options. This clock settings menu can only be accessed through this app.

- 1 On the Home screen, tap  > .
- 2 Tap  > **Settings** on any tab of Clock app.

Clock

- **Style:** Tap and set the style of the Clock screen to analog or digital.
- **Automatic home clock:** Turn the Automatic home clock on to set a clock for your home city while traveling in a different time zone.
- **Home time zone:** Tap and set your local time zone.
- **Change Date & time:** Tap and change the date and time. It is connected to Date & time settings directly. For more information on changing the date and time, refer to *Date and Time on page 56*.

Alarms

- **Silence after:** Tap and set the duration of the alarm.
- **Snooze length:** Tap and set the snooze interval.
- **Alarm volume:** Tap and set the alarm volume.
- **Gradually increase volume:** Tap and set the volume of the alarm to increase gradually.
- **Volume buttons:** Tap and set the volume buttons on the side of you device to **Snooze**, **Dismiss**, or **Do nothing**.
- **Start week on:** Tap and set the starting day of the new week to **Saturday**, **Sunday** or **Monday**.



Timers

- **Timer ringtone:** Tap and set the ringtone for when the timer ends.
- **Gradually increase volume:** Tap and set the volume of the timer to increase gradually.





6.9 Downloads

Use this app to view your downloaded files.

On the Home screen, tap  > . You can view the file list by name or by date. Select a file to open with an appropriate app.

6.10 Calculator

Use this app for mathematical calculations.

On the Home screen, tap  > . Tap numbers and functions as you would do with a standard calculator.

6.11 Google Apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps. For more information about accounts, refer to *Accounts on page 53*.

To view more app information, access each app's Help & feedback menu.

6.11.1 Chrome

Search for information and browse webpages.

6.11.2 Gmail

Send or receive emails via the Google Mail service.

6.11.3 Google

Search quickly for items on the Internet on your device.

6.11.4 Maps

Find your location on the map, search for locations, and view location information for various places.

6.11.5 Play Music

Discover, listen to, and share music on your device.

6.11.6 YouTube

Watch or create videos and share them with others.

6 Applications



6.11.7 Photos

Manage photos, albums, and videos that you have saved on the device.

6.11.8 Voice Search

Search quickly for items by saying a keyword or phrase.

6.11.9 Drive

Get access to your files anywhere through secure cloud storage and file backup for your photos, videos, files, and more.

6.11.10 Duo

Face to face video call with other people.

6.11.11 Play Movies & TV

Find the newest movies and TV shows to buy or rent.

7 Settings



Use this app to configure your Android™ device.

On the Home screen, tap . You can also add and tap a widget Settings on the Home screen. Tap and enter your search term to search the Settings menu.

7.1 Wi-Fi

On the Home screen, tap > **Wi-Fi**.

Turn the Wi-Fi on to connect to a Wi-Fi network.

- Tap an available network to connect to it, remove it from the list, or modify the details.
- Tap > **Refresh** to refresh the list of available Wi-Fi networks.
- Tap > **Advanced** to customize Wi-Fi settings.
- Tap for more Wi-Fi settings.
 - **Saved networks**: Tap to check the networks saved on your device.
 - **Network notification**: Tap to enable or disable network notification whenever a public network is available.
 - **Keep Wi-Fi on during sleep**: Tap to select one from three options: **Always**, **Only when plugged in**, or **Never**.

7.2 Bluetooth

On the Home screen, tap > **Bluetooth**.

Turn the Bluetooth on to pair with other devices for information exchange.

- Tap the available device to pair with.
- Tap > **Refresh** to refresh the list of available Bluetooth devices.
- Tap > **Rename this device** to change the name of your device manually.
- Tap > **Show received files** to show all files received via Bluetooth.

7.3 SIM Cards

On the Home screen, tap > **SIM cards**.

- SIM slot 1: Tap to enable SIM slot 1.
- SIM slot 2: Tap to enable SIM slot 2.
- Preferred SIM for: Select the preferred SIM for **Cellular data**, **Calls**, or **SMS messages**.



7.4 Data Usage

On the Home screen, tap > **Data usage**.

- **Data saver:** Tap to turn on this option to prevent some apps from sending or receiving data in the background.
 - **Unrestricted data access:** Tap to select apps to use unrestricted data when Data Saver is on.
- **Wi-Fi data usage:** Tap to view and control Wi-Fi data usage.
- **Network restrictions:** Tap to restrict the use of apps in the background when connected to a Wi-Fi network. The app may warn you before using these networks for large downloads.
- Tap > **Cellular networks** to configure network settings.

7.5 More Settings

Use this menu to change more wireless and networks settings for interaction with other devices.

On the Home screen, tap > **More**.


- **Airplane mode:** Tap to start Airplane mode. All wireless and mobile services are disabled when Airplane mode is activated.
- **Tethering & portable hotspot**
 - **Wi-Fi hotspot:** Use the Wi-Fi hotspot to share the data connection through the Wi-Fi network and tap to specify the Wi-Fi hotspot settings.
 - The Wi-Fi hotspot feature requires more battery power and increases your data usage. It may incur extra charges depending on your data plan.
 - **USB tethering:** Use USB tethering to share the data connection with a computer via USB.
 - **Bluetooth tethering:** Use Bluetooth tethering to share the data connection with a computer via Bluetooth.
 - **Hotspot & tethering settings:** Choose the options between IPv4 and IPv4 & IPv6.
- **VPN:** Tap to set up and edit virtual private network (VPN) profiles and connect to the VPNs.
 - You need to set a screen lock pattern, PIN, or password before using the VPNs. For information on how to set up a lock screen, refer to *Security on page 52*.
- **Cellular networks:** Tap to configure mobile network settings.



7.6 Display

Use this setting to change the screen brightness and wallpaper, enable screen rotation, set the sleep time, change the font size, and configure other features of the display.

On the Home screen, tap  >  **Display**.

- **MiraVision™**: Display picture quality optimization
- **Brightness level**: Tap and move the slider to adjust the screen brightness.
- **Wallpaper**: Select an image for the Home screen background.
 - **Live Wallpapers**: Animated wallpaper image installed on your device
 - **Photos**: Photos taken by your device's camera or downloaded from the Internet
 - **Wallpapers**: Images saved on your device
- **Sleep**: Tap and select the length of time the device waits before turning off the screen and locking itself.
- **Press power button twice for camera**: Quickly open camera without unlocking your screen.
- **Screen saver**: Tap to set the screen saver for the device to show the **Clock**, **Colors**, or **Photos** while the device is locked, charging or locked and charging.
 - Tap to select a desired action.
 - Tap  > **Start now** or **When to start screen saver** to set when to use this feature.
- **Font size**: Tap to change the font size.
- **Display size**: Tap to change the display size.
- **When device is rotated**: Tap and select one from two options: **Rotate the contents of the screen**, **Stay in current orientation**.
- **Gsensor Calibrate**: Calibrate the Gsensor
- **Enable TP proximity sensor**: Enable the TP proximity sensor when you are calling.



7.7 Notifications

Use this setting to configure notification settings such as notification display or system app display.

On the Home screen, tap > **Notifications**.

- Tap for notification options.
 - **Show system:** Tap to display Android system apps.
 - **Reset app preferences:** Tap to reset all app preferences for Disabled apps, Default applications for actions, and Any permission restrictions, etc.
- Tap to configure notification setting.
 - **On the lock screen:** Tap and select **Don't show notifications at all** to hide all notifications; tap and select **Show all notification content** to display all notifications.

7.8 Sound

Use this setting to configure sound settings such as the call ringtone or system notification volume.

On the Home screen, tap > **Sound**.

- **Media volume:** Tap and move the slider to adjust the volume of media.
- **Alarm volume:** Tap and move the slider to adjust the volume of the alarms.
- **Ring volume:** Tap and move the slider to adjust the volume of ringtones.
- **Also vibrate for calls:** Turn on this option to set your device to vibrate for incoming calls.
- **Do not disturb:** Tap to set your device to disable notifications while using selected apps.
 - **Priority only allows:** Set this option to prioritize notifications for certain features.
 - **Automatic rules:** Set automatic rules to disable notifications for weekends, weeknights, and events. You can add rules by tapping **Add rule** at the bottom.
 - **Block visual disturbances:** Set this option to prevent notifications from peeking, popping, or turning on the screen.

Alarms are always priority interruptions.

- **Phone ringtone:** Tap to select a ringtone to alert you of incoming calls. Tap on a ringtone to hear it. If you decide to set it as a ringtone, tap **OK**. If not, select another ringtone or tap **CANCEL**.
- **Default notification ringtone:** Tap to select a notification sound to alert you of system notifications. Tap on a sound to hear it. If you decide to set it as a notification sound, tap **OK**. If not, select another sound or tap **CANCEL**.
- **Default alarm ringtone:** Tap to select an alarm sound. Tap on a sound to hear it. If you decide to set it as an alarm sound, tap **OK**. If not, select another sound or tap **CANCEL**.

7 Settings






- **Other sounds:** Tap to set other sound options except the ringtone and notification sounds.
 - **Dial pad tones:** Turn on this option to set your device to emit a sound when you tap the keypad.
 - **Screen locking sounds:** Turn on this option to set your device to emit a sound when you unlock or lock the screen.
 - **Touch sounds:** Turn on this option to set your device to emit a sound when you tap the screen.
 - **Vibrate on tap:** Turn on this option to set your device to vibrate when you tap soft keys or during certain screen interactions.
- **Sound enhancement:** Tap to increase the sound.
 - **BesLoudness:** Volume booster for speaker.

7.9 Apps

You can check the status of all apps in your device by selecting **All apps**, **Enabled**, or **Disabled** from the dropdown menu.

On the Home screen, tap  >  **Apps**.

- Tap  > **Show system** to display Android system apps in the Apps list. You can also hide the system apps again.
- Tap  > **Reset app preferences** to reset an app's preferences to the default settings.
- Tap  to configure an app's setting.
 - **App permissions:** Tap to enable app permissions.
 - **Default:** You can check the current apps for Home, Browser, Phone, and SMS, and configure Opening links for apps and Assist app settings.
 - **Advanced:** Tap to check and configure special access settings.

7.10 Storage

You can check the internal or SD card storage space. Tap **Erase SD card** to delete all data saved on the SD card.



On the Home screen, tap  >  **Storage**.



7.11 Battery

Use this setting to monitor battery usage.

On the Home screen, tap  >  **Battery**.

- **Standby intelligent power saving:** Turn this option on to save standby intelligent power.
- **Show battery percentage on status bar:** Turn this option on to show the battery percentage on status bar.
- **Battery saver:** Tap to enable or disable the battery saver.
- You can check:
 - Battery charging status
 - How long your device has been running on battery power
 - What percent of your battery has been used by features/apps since you last charged your battery.
- Tap  > **Battery optimization** to enable the battery optimization feature.
- Tap  to refresh the battery usage status.

7.12 Memory

You can check the average memory usage status by the length of time.

On the Home screen, tap  >  **Memory**.

- Tap the dropdown menu to choose an option from: **3 hours**, **6 hours**, **12 hours**, or **1 day**.

7.13 Users

Use this setting to manage users of your device.

On the Home screen, tap  >  **Users**.

- Tap **Add user** to add other users.

Lock screen settings


- **Add users:** Tap to add other users when the device is locked.
- **Emergency information:** Tap to add emergency information to see without unlocking your phone.



7.14 Location

Switch this option to **On** to detect your device's location.

On the Home screen, tap  >  **Location**.

- **Mode:** Tap and select the method for determining your location such as GPS, Wi-Fi and cellular networks.
- **Recent location requests:** Tap to view and configure settings for recent location requests.
- **Location services:** Tap to view and configure settings for location services.
- Tap  > **Scanning** to enable or disable Wi-Fi and Bluetooth scanning features.

7.15 Security

Use this setting to set a lock screen and change settings to secure your device.

On the Home screen, tap  >  **Security**.

Device security

- **Screen lock**
 - **None:** The screen is unlocked at all times. When you press the Power button, the Home screen appears.
 - **Swipe:** Drag the lock icon to unlock the screen.
 - **Pattern:** Draw a pattern to unlock the screen.
 - **PIN:** Enter a PIN to unlock the screen.
 - **Password:** Enter a password to unlock the screen.
- **Smart Lock**
 - **On-body detection:** Set your device to unlock when you hold or carry it in your hands. Your device will lock when it detects that it has been laid down.
 - **Trusted places:** Add a trusted place to set your device to unlock when it is in select locations.
 - **Trusted devices:** Add a trusted device to keep your device unlocked when connecting via Bluetooth or NFC.
 - **Trusted face:** Add a trusted face to unlock your device when it recognizes the user's face.
 - **Trusted voice:** Add a trusted voice to unlock your device when it recognizes the user's voice.

Encryption

- **Encrypt tablet:** Tap to encrypt your accounts, settings, downloaded apps and their data, and other files. Set a numeric PIN or password for encryption. You must enter the password each time you turn on the device.



You can only decrypt the device by performing a factory reset. Encrypting your device may take more than an hour. Charge your battery before encrypting, and keep your phone plugged in until encryption is complete. If not, you may lose some or all of your data.



Passwords

- **Make passwords visible:** By default, the device hides passwords for security when you enter them. Turn on this option to make the passwords visible as they are entered.

Device administration

- **Device administrators:** Tap to manage device administrators.
- **Unknown sources:** Turn on this option to allow your device to install or download apps from unknown sources.
- **Data Protection:** Tap to protect your data from unwanted access.

Credential storage

- **Storage type:** Check the storage type for certificates.
- **Trusted credentials:** Tap to enable or disable the trusted system CA certificates.
- **User credentials:** Tap to view and modify stored certificates.
- **Install from SD card:** Tap to install certificates from the SD card.
- **Clear credentials:** Tap to delete all certificates.


Advanced

- **Trust agents:** Tap to enable or disable trust agents.
- **Screen pinning:** Tap to disable or enable screen pinning.
- **Apps with usage access:** Tap to manage which apps are allowed access to app usage data.

7.16 Accounts

Use this setting to manage accounts of your device.

On the Home screen, tap  >  **Accounts**.

- Tap **Add account** to add other accounts.
- Tap  and select the checkbox for **Auto-sync data** to sync the data automatically.



7.17 Google

Use this setting to manage your Google account and services.

On the Home screen, tap  >  Google >  to set the following options.

- **Clear app data:** Tap to delete all app data from your Google account.
- **Usage & diagnostics:** Turn on this option to automatically send diagnostic and usage data to Google.
- **Open source licenses:** Tap to view open source licenses.
- **Show debug items:** Tap to display debug items.
- **Help & feedback:** Tap to view more app information about Google.

My Account

- **Sign-in & security:** Tap to sign in to Google and to take a security checkup.
- **Personal info & privacy:** Tap to view your personal information and to take a privacy checkup.
- **Account preferences:** Tap to set Google account preferences, such as Google payments, Language, Google Drive storage, etc.

Services

- **Ads:** Tap to set a preference for Ads and to reset your advertising ID.
 - **Reset advertising ID:** Tap to replace your advertising ID with a new random number.
 - **Opt out of Ads Personalization:** Turn on this option to instruct apps not to use your advertising ID to build profiles or show you personalised ads.
 - **Ads by Google:** Tap to view information about Ads by Google.
- **Cast media controls:** Tap to set a notification option for Google Cast. Turn on **Media controls for Cast device** to access media controls through notifications when a cast device is playing media.
- **Connected apps:** Tap to view all apps connected to your Google account. You can also disconnect the apps in this option.
- **Data management:** Tap to set a preference to update drive-enabled app files.
- **Device phone number:** Tap to set the device phone number.
- **Google Fit:** Tap to view Google Fit apps and devices connected to your Google account. With Google Fit, you can keep all your fitness information tied to your Google account and share it with the other apps and devices.
- **Location:** Turn on this option to detect your device's location.
- **Nearby:** Tap to use Nearby to interact with services and devices close to you (within about 30 m or 100 ft).
- **Restore contacts:** Tap to restore contacts to your Google account. Contacts should be backed up to your Google account before restoring contacts.
- **Search:** Tap to search information about Accounts & privacy, language, etc. and to view the current version.
- **Security:** Tap to view your security code and to set the options for **Find My Device** and **Google Play™ Protect**.
- **Set up nearby device:** Tap to set up your other device. Your phone's Bluetooth and your Wi-Fi data will be used.
- **Set up work profile:** Tap to set up your work profile.
- **Smart Lock for Passwords:** Tap to sync passwords across your devices. You can sign in with your saved passwords on different devices using Smart Lock for Passwords.



7.18 Language and Input

Use this setting to change language and input method.


On the Home screen, tap  >  **Languages & input**.

- **Languages:** Tap and select the default language for all menus and apps.
- **Spell checker:** Turn on this option to enable the spell checker and configure its settings and language.
- **Personal dictionary:** Tap to view and add words to your personal dictionary.

Keyboard & input methods

- **Virtual keyboard:** Tap to view the current keyboard you are using. Tap **Manage keyboards** to select a different keyboard to use.
- **Physical keyboard:** Tap to configure the keyboard assistance settings.

Speech

- **Text-to-speech output**
 - **Preferred engine:** Tap to select a speech synthesis engine. To change its settings, tap .
 - **Speech rate:** Tap to select the speed at which the text is spoken.
 - **Pitch:** Tap to select the pitch at which the text is spoken.
 - **Reset speech rate:** Tap to reset the speed at which the text is spoken to normal.
 - **Reset speech pitch:** Tap to reset the pitch at which the text is spoken to default.
 - **Listen to an example:** Tap to listen to a short demonstration of the spoken text.
 - **Default language status:** Check the default language status.

Mouse/trackpad

- **Pointer speed:** Tap and move the slider to adjust the pointer speed for the mouse or trackpad that is connected to your device.



7.19 Backup and Reset

Use this setting to perform factory reset.

On the Home screen, tap  >  **Backup & reset**.

- **Back up my data:** Turn on this option to back up app data, Wi-Fi passwords and other data to Google servers.
- **Backup account:** Tap to select the account where you want to backup the data.
- **Automatic restore:** Turn on this option to reinstall the apps, and restore backed up settings and data.
- **Network settings reset:** Tap to reset all network settings, including: Wi-Fi, Cellular data, Bluetooth.
- **DRM reset:** Tap to reset all DRM licenses on this device.
- **Factory data reset:** Tap **RESET TABLET** to delete all data from the device's internal storage.
The device turns off and then reboots automatically.

7.20 Date and Time

Use this setting to manage the date and time settings.

On the Home screen, tap  >  **Date & time**.

- **Automatic date & time:** Turn on this option to set the date and time automatically in accordance with the network-provided time.
- **Automatic time zone:** Turn on this option to set the time zone automatically in accordance with the network-provided time zone.
- **Set date:** Tap to set the date manually by tapping the date on the on-screen calendar. You can navigate through the calendar by swiping up and down.
- **Set time:** Tap to set the time manually by tapping the time on the on-screen clock.
- **Select time zone:** Tap and select the time zone manually.
- **Use 24-hour format:** Turn on this option to use 24-hour format. If turned off, the device uses the 12-hour format with AM/PM notation.



7.21 Accessibility

Use this setting to customize your device to improve its accessibility.

On the Home screen, tap  >  **Accessibility**.

Services

- **TalkBack**
 - Tap and switch this option to **On** to set your device to provide spoken feedback to help blind and visually impaired users.
 - Tap **SETTINGS** on the top right of the screen to configure TalkBack settings.
 - **Select to Speak**: Tap to switch this option **On** to hear specific items read aloud.
- **Switch Access**
 - Tap and switch this option to **On** to control your device using configurable key combinations.
 - Tap **SETTINGS** at the top right of the screen to configure Switch Access settings.

System

- **Captions**: Tap and turn on this option to make captions appear on the bottom of the screen. You can set the language, text size, and caption style.
- **Magnification gesture**: Tap and turn on this option to zoom in and out by triple-tapping the screen. You can also temporarily magnify screen content by triple-tapping and holding it.
- **Font size**: Tap and set the font size.
- **Display size**: Tap and set the display size.
- **Click after pointer stops moving**: Tap and turn on this option to set your device to click automatically when the mouse cursor stops moving for a certain period of time.
- **High contrast text**: Tap to turn on this option to fix the text color as black or white to make it easier to read.
- **Power button ends call**: Tap to turn on this option to end the call by pressing the Power button.
- **Auto-rotate screen**: Tap to turn on this option to make the screen rotate automatically when you move the device between landscape and portrait orientation.
- **Speak passwords**: Tap to turn on this option to set the device to read passwords aloud as you enter them.
- **Large mouse pointer**: Tap to turn on this option to enlarge the mouse pointer.
- **Mono audio**: Tap to turn on this option to combine channels when playing audio.
- **Accessibility shortcut**: Tap and switch this option to **On** to enable accessibility features quickly from the accessibility shortcut.
- **Text-to-speech output**: Refer to *Text-to-speech output on page 55*.
- **Touch & hold delay**: Tap and select the length of time required before your device detects that the user is touching and holding the screen.

Display

- **Color inversion**: Tap to turn on this option to invert the colors on the screen.
- **Color correction**: Tap and turn on this option to compensate for color blindness. You can also select the correction mode for each type of color blindness.



7.22 Printing

Use this setting to print documents from your device directly with app that support the Wi-Fi or Cloud printing feature. You can specify the default printer.

On the Home screen, tap  >  **Printing**.

7.23 Scheduled power on and off

Use this setting to set scheduled power on and off.

On the Home screen, tap  >  **Scheduled power on and off**.

- **Set schedule power on:** Schedule a specific time for the device to automatically power on.
- **Set schedule power off:** Schedule a specific time for the device to automatically power off.

7.24 About Tablet

Use this setting to view the following information about your device: **Status**, **Legal information**, **Model number**, **Android version**, **Android security patch level**, **Baseband version**, **Kernel version**, **Build number** and **Custom build version**.

On the Home screen, tap  >  **About tablet**.



Physical Characteristics

Dimensions (L x W x D)	208.4 x 125.1 x 10.4 mm
Weight	340g
Display	8" HD (1280x800) IPS , Capacitive Touch screen
Battery	Integrated Battery 3.7V, 4000mAh
Expansion slot	Micro SD Card (up to 64GB)
SIM slot	2 SIMs
Audio	Speaker, microphone, headphone jack
Camera	(Optional) Rear : 5MP Autofocus Front : 2MP Fixed Focus
GPS	A-GPS, GLONASS (for WWAN only)
Sensor	G-sensor

Performance Characteristics

Processor	ARM Cortex-A53 64-bit Quad-core 1.0Ghz
OS	Android 7.0
System memory	2GB
Built-in storage	16GB
Interface	Micro USB2.0 1ea (OTG) Docking connector (8 Pin)



User Environment Characteristics

Operating temperature	-10 °C to 50 °C / -2 °F to 122 °F
Storage temperature	-10 °C to 50 °C / -2 °F to 122 °F
Battery charging temperature	0°C to 40°C (32°F to 104°F)
Humidity	80% non-condensing

Communication

WWAN Radio (optional)	LTE, HSPA+/HSPA/UMTS, EDGE/GPRS
WLAN Radio	802.11 a/b/g/n (802.11n 2.4GHz and 5GHz) Indoor use only in 5150 MHz ~ 5250 MHz band.
WPAN Radio	Bluetooth 4.0 LE , Class 2 (9.68 dBm)



Cradles

- One Slot Cradle: Charging, USB Host Port 3



The power adapter, AC power plug and AC power cable require the use of charging cradles.

Other Accessories

- Adapter plug or cord
- Power adapter for direct or Cradle charging
- Micro USB Cable



The battery does not charge properly.

- Ensure that your device and the charging cable are connected.
- If the battery does not charge completely, it may be dead or defective. Replace the battery with a new one. (The warranty period for battery replacement is six months.)

The battery life got shorter.

When you use network data or peripheral device such as wireless LAN or Bluetooth that require more power, your device may use more battery than usual. If it happens for an extended period of time, your battery may be dead. Then replace it with a new battery.

I dropped the device in the water.

Turn off the device. Place the device in a dry place. Let the device dry completely for a considerable period of time, and then turn the device back on. If it does not turn back on, contact our service center.

My device gets too hot to touch.

It is normal for the device to warm up while it is receiving a poor signal, performing an intense workload, or charging. It should cool down if you stop using the device for a certain amount of time. If the problem continues, contact the manufacturer. It may result in a burst battery or fire.

How do I get the repair service?

You can contact your local sales representative or you can send the device via a delivery service to Bluebird's Korean headquarters. When sending the package, make sure you pay for the shipping fee in advance. When the repair is finished, Bluebird will cover the shipping cost.



FCC compliance information

This device complies with Part 15 of the FCC's Rules. Operation is subject to the following two Conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesirable operation.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

The antenna must be installed such that 20 cm is maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.

End users cannot modify this transmitter device. Any Unauthorized modification could void the user's authority to operate this device.

Part 15.105 (B)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

FCC 15.407 (g) states

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Since this is an Indoor Only device (required for this band) you do not need to worry about the extreme frequency Stability over wide temperatures, but you can show that the frequency Generation portion of this device (from the schematic) has its own stated stability that would never allow the device to generate emissions or part of the spectrum outside of the authorized band (can be determined by looking at the Occupied BW plots to see how much margin to the band edge is available).

If the devices in the future use the other higher frequency UNII bands, and the devices can be used outdoors, you may need to provide details of stability over a much wider temperature range (depending on the use conditions stated in the manual).

Most compliance for this requirement is stated from the specification of the frequency generation portion of the device and not necessarily through additional testing.



IEC 60417-6044



Do not listen to sound at high volume for long periods. It may cause hearing damage. Also, only use compatible receiver, headphones, or earpieces with your device.

CE



Hereby, Bluebird Inc. declares that the radio equipment type EF501 is in compliance with Directive 2014/53/EU. This device can be operated in at least one Member state without infringing applicable requirements on the use of radio spectrum.

To comply with CE RF exposure requirements, the handset must be kept 0.20 inches (0.5cm) from the body without any reference to a particular side or edge.

Any beltclips, holsters, and similar accessories containing metallic components may not be used.

Body-worn accessories that cannot maintain 0.20 inches (0.5cm) separation distance between the user's body and the handset, and have not been tested for typical body-worn operations may not comply with CE RF exposure limits and should be avoided.



This device is compliant with the RED article 10.10 requirement because the information is available on the package.

Regulatory Articles

- **Article 10(2):** Manufacturers shall ensure that radio equipment shall be so constructed that it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- **Article 10(10):** In cases of restrictions on putting into service or of requirements for authorisation of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorisation of use exist. Such information shall be completed in the instructions accompanying the radio equipment. The Commission may adopt implementing acts specifying how to present that information. Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 45(2).

European Union (EU) Waste of Electrical and Electronic Equipment (WEEE) directive



According to the European Union's WEEE directive, this symbol means that products sold into EU countries must dispose electrical device and/ or its battery separately from household waste. Disposing of the device separately will help conserve resources and energy and contribute to human health and environment protection.

Customers or end-users in EU countries should contact their local equipment supplier representative or service centre for information about the waste collection system in their country.



Warranty certificate

Thank you for purchasing a product from Bluebird Inc.

- In case of accessories such as batteries, only those that match the sales list managed by the Customer Service Center will be eligible for customer service.
- A repair or an exchange of batteries that does not match the sales list of the Customer Service Center due to the carelessness of the customer will be fully charged.

Name of Product	
Name of Model	ST080
Date of Purchase	
Manufacture Number	
Place of Purchase	
Term of Guarantee	1 year from purchase

Warranty information

- Bluebird Inc. (hereinafter referred to as Bluebird) provides the warranty service for its products in compliance with the Bluebird's warranty program.
- Upon receiving a notification on a defect of its product within the range of warranty during the warranty period, Bluebird will repair or replace the defective product according to its warranty policy.
- If the defective product within the range of warranty is not repairable or replaceable, Bluebird shall refund the purchasing price within a designated period from the date of receiving a notice of defect.
- Bluebird assumes no responsibility for repairing, replacement or refund until it receives the defective product from the customer. The replacement shall be equivalent to a new product in the aspect of performance.
- Bluebird products may contain the recycled products, components or materials equivalent to new products in the aspect of performance.
- This warranty is applied to software products only when the programming commands are not executed. Bluebird does not guarantee interruption-free or error-free performance.

Manufacturer

Bluebird Inc.

Head Office: (Dogok-dong, SEI Tower 13~14F), 39, Eonju-ro 30-gil, Gangnam-gu, Seoul, Korea, 06292

Factory: (SSang-young IT Twin tower-B 7~8F), 531, Dunchon-daero, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea, 13216

- Trade name: Bluebird Inc.
- Trade mark:



BLUEBIRD



Customer support



Before asking for after-sales service, please back up the data on the device. We do not back up data from the products sent to the Customer Service Center. Therefore, we assume no responsibility for loss/deletion of data.

Customer Service Center

#1103, Gplus Kolon Digital Tower 11F,
Digital-ro 26-gil 123, Guro-gu,
Seoul, Republic of Korea(08390)

- Fax: +82-2-6499-2242
- Email: rma@bluebirdcorp.com
- Hours: 9:30 a.m. - 6:30 p.m. (GMT Time: +9 Hours)



The center is closed on Saturdays, Sundays, and Korean national holidays

Registering for After-Sales Service

- We receive the products for our after-sales service through mail, delivery services and hand delivery only in principle.
- If you bought the product from a party other than Bluebird or an authorized Bluebird reseller, you need to register the product before using our after-sales service.
- Please enclose an evidence of purchase or the product receipt for our after-sales service.
- Please enclose your name, telephone number, address and details of the problem for a prompt service.
- You can ask for our after-sales service by contacting your authorized Bluebird dealer or the Customer Service Center in the head office.
- Do not intentionally damage the label on the product.
- A damaged label may result in a disadvantage to the customer.
- When you return the product to Bluebird for service, please put the product in a protective box.
- The warranty will not cover any damage which occurs during delivery. We advise you to use the box and protective cover supplied with the product.
- Make sure to deliver the product in a safe way. Bluebird assumes no responsibility for the loss of the product during delivery.



Charged services

- In the following cases, it will be charged when requesting for after-sales service.
 - Service request due to inappropriate use of the device by the customer
 - Loss of PIN number
 - Use of programs that might affect the program (over-clock, forceful changes in the input of the system, personal developments)
- Faults caused by the customer.
 - Defect due to inappropriate or careless use of the product (dropping, submersion under water, shock, damage, unreasonable operations, etc.)
 - Defect due to a repair or unauthorized technician
 - Defect caused intentionally or by the carelessness of the customer
 - Defect due to the use of fraudulent parts or components
- Other cases
 - Defect due to nature (damage caused by fire, wind, flooding, etc.)
 - Accessories are out of warranty (accessories like battery/charger/cable/adapter, etc. have a warranty of 6 months)
- Regulations for repairs after charged services
If the same fault occurs in the part that has been repaired within a 1 month (30 days), the part will be repaired free of charge.



No refunds will be offered in the following situations:

- The product seal has been removed (if applicable).
- The product has been damaged due to careless use by the customer or due to a natural disaster (floods, rain, fire, etc.).
- Loss of product or other components (manual, connecting cables, etc).
- DOA (Dead on Arrival) policy
If your product is DOA (Dead on Arrival), or has malfunction within 30 days of purchase (DOA period), the product will either be exchanged or provided with after-sales service.



BLUEBIRD CUSTOMER SERVICE

Operating Hours

Monday to Friday 9:30 A.M. - 6:30 P.M.
(GMT Time: +9 Hours)
The center is closed on Saturdays,
Sundays, and Korean national holidays.

Customers Service Center

#1103, Gplus Kolon Digital Tower 11F,
Digital-ro 26-gil 123, Guro-gu, Seoul,
Republic of Korea(08390)

Bluebird constantly strives to bring utmost satisfaction to all our customers.