

BIXOLON®

Personal Digital Assistant (PDA) H5

**PDA
Ver. 1.00**



<http://www.bixolon.com>

Contents

START	4
Before Using the Product	4
Description of Signage.....	5
Overheating of the Product and Actions to Take	6
When the product overheats while its battery is charging.....	6
When the product overheats while in use	6
Precautions for Using the Product in Certain Conditions	7
Keeping the Rules while Using the Product.....	8
Battery Information	8
Battery Charging Guide	8
Storage and Safety Guide.....	9
Product Operation and Storage Guide.....	9
Adapter Information	9
Preventative Measures	9
Laser Information.....	10
LED Information.....	10
Warning about the Possibility of Hearing Impairment	10
Do Not Use the Product While Traveling or Driving	10
Preventing Damage from Loss of Private Data and/or Product.....	11
Protecting Private Data.....	11
Regularly backing up the Data.....	11
Setting up Find My Device.....	11
Summary.....	13
What's Included in the Package.....	13
What's Included in the Basic Package.....	13
Optional Accessories	14
Product Information.....	15
Front	15
Back.....	15
Side	16
Charging	18
To Increase Battery Runtime	19
Things to Remember When Charging the Battery	19
Replacing the Battery	20
Inserting SIM/TF Card	22
On Using a SIM card	23
TF Card (Memory Card)	24
Powering ON/OFF	24
Resetting Hardware	25
Guide to the Screen	26
Touch Screen Operations	26
Basic Functions	27
Locking and Unlocking.....	27
Using the HOME Screen	27
Notification and Status Icons	28
Notification Window	29
Using the Quick Settings Button	30
Display Settings.....	32
Language & Input.....	34
Changing Priority of Registered Languages	35
Registering or Adding a Language.....	36
Deleting a Registered Language	37
Volume Controls.....	39
Date & Time Settings	40
Setting Screen Lock.....	41

Personal Digital Assistant

Apps and Features	42
Installing and Managing Apps	42
Connecting to Wi-Fi or Data Network	42
Bluetooth	43
Downloading Apps from Play Store.....	43
Using the Airplane Mode.....	44
Setting up the SIM Card	45
Connecting to PC.....	47
Barcode Scan.....	49
Engine-Operated Scanner.....	49
Appendix.....	50
Things to Check before You Request Service	50
Specification	54
Copyright	56
Registered Trademark	56
Precautions for Use.....	56

START

Before Using the Product

Before using the product, read this User Manual to ensure that you use the product safely and correctly.

- The description in this User Manual is based on the default setting of the product.
- The content of the User Manual may vary, based on the software version of the product, wireless carriers, and the specifications of different models.
- Using functions that take up a lot of CPU and RAM capacity (involving high-quality content etc.) may affect the overall product performance.
- Any problems that have occurred because the user has installed apps that are not provided by BIXOLON shall not be covered by our warranty policy.
- Problems that have occurred with product functions or compatibility because the user has arbitrarily modified the registry values or the operating system software shall not be covered by our warranty policy. If the user engages in any unauthorized modification of the operating system, then the product or the app may not function properly.
- The software, audio, wallpaper, and images that are used in this product are created content whose limited use is authorized through a contract between BIXOLON and the specific copyright owner. Their unauthorized extraction and putting them to uses other than those authorized including commercial applications constitutes a breach of the copyright. In those cases, the user shall be solely responsible.
- Using data services such as message transfer, upload/download, automatic syncing, and location service may incur extra charges according to the service plans that the user subscribes to. For using bulk data services, connection through Wi-Fi is recommended.
- Apps or services that come with this product are subject to change or interruption without prior notice due to unavoidable causes. In that case, contact BIXOLON for a quick response. However, defects, changes, and/or interruptions involving apps that the user has downloaded from markets such as Play Store are unrelated to BIXOLON, so contact the relevant service providers.
- This product may show some margins on its screen or suffer compatibility issues with some of the apps in Play Store, depending on how they have been realized by their developers etc.
- If the software for the product as provided by BIXOLON undergoes unauthorized changes, or if any software acquired through unofficial channels is downloaded into the product, the product may suffer problems or errors. As such acts violate the license that comes with BIXOLON software, they nullify the warranty on the product.

Personal Digital Assistant

- The screen protection film, which is attached to protect the screen during production and distribution, may not be found as attached, depending on the region or service provider. If protection film is attached, any damage to it shall not be covered by the warranty service.
- You can optimize the contrast ratio to the surroundings to enjoy a clear picture, even in outdoor settings with strong sunlight. Using a locked screen for too long may damage the screen by causing image burn-in.
 - Do not keep part or whole of the screen locked for a long time, and turn the screen off when not in use.
 - You can set the device so that the screen automatically turns off when the product is not in use. Open the **Setting** app and go to **Display** → **Sleep** to choose your desired auto screen off time.
 - To have the screen brightness auto-adjust to the environment, run the **Setting** app, choose **Display**, and press the **Brightness level** switch to activate it.
- As the wireless device is subject to interference during its operation, it may not be used for such services that are related to the public safety.
- The product information is electronically displayed. To view the information, press **System** → **About Phone** → **Legal Information** on the **Setting** app.
- For this product, the wireless carrier may provide the location data when it is requested by emergency rescue agency, etc. for the purpose of emergency rescue in accordance with Act on the Protection, Use, etc. of Location Information. For some copies of this product, the location information is given from base stations after connection is lost for an emergency call from a reporting person. Then, the location information based on GPS or Wi-Fi may become unavailable. Make sure to check this before you purchase and/or use the product.

Description of Signage



Warning: It is used to warn the user that careless use of the product may cause serious damage to it.



Caution: It is used to remind the user that the product has to be used safely and correctly.



Notice: It is used to provide helpful notes or extra information that's good to remember when using the product.

Overheating of the Product and Actions to Take

When the product overheats while its battery is charging

While charging, the product and the charger may overheat. This comes within the normal range of product operation and does not affect its life or performance.

If the product overheats while its battery is charging, do the following.

- Disconnect the charger and close any apps running. Let the product cool off and then try to charge it again.
- If the part at the bottom of the product which combines with an external connector develops severe heating, it is likely that the connected USB cable has been damaged. If so, replace it with a new and approved cable.

When the product overheats while in use

When using functions or apps that require a lot of power, heat may be generated from temporarily increased battery consumption. Close the running app, and stop using the product for a while.

The product may heat up under the following circumstances. The events below may not apply to certain functions or apps of the product.

- When first setting the product following its purchase or restoring its data
- When downloading large-volume files
- When using apps that require a lot of power or using them for a long time
 - When playing games with high system requirements
 - when recording videos for a long time
 - When viewing video streaming from the internet with screen brightness set at maximum
 - When the product is connected to a TV
- When multiple tasks are performed at the same time (or when many apps are running in the background)
 - When multi-window is used
 - when apps are updated or installed while video-recording
 - large-volume files are downloaded while on video call
 - when video-recording while navigation is in use
- When a lot of data is used due to the product's syncing with multiple accounts such as cloud and email
- When navigation is running with the product placed in a vehicle where it is exposed to sunlight
- When Wi-Fi Hotspot or tethering is in use
- When the product is in an area with weak wireless reception or an out-of-service area
- When charging with a damaged USB cable
- When the external connector jack on the product is damaged or contaminated with foreign matters (such as liquid, dust, metal dust, or pencil core)
- While on international roaming

If the product heats up while in use, try these solutions.

- Keep the product up to date with software updates.
- Running apps may conflict with one another. Turn the product off, and then turn it on again.
- Deactivate Wi-Fi, GPS (for location), and Bluetooth when they are not in use.
- Check if any of your apps that consume much power or are running in the background, and close apps that are not in use.
- Delete unnecessary files or unused apps.
- If you currently have the maximum brightness, lower the screen brightness.
- If the product heats up too much or if it's overheating lasts long, stop using the product for a while. If the temperature remains high, contact the service center.

Precautions for Using the Product in Certain Conditions

The product may overheat due to adjacent factors under the following circumstances. Such overheating may shorten battery life, damage the product, or cause a fire, be careful.

- Do not keep the product at too high or too low a temperature.
- Do not leave the product exposed to direct sunlight for a long time.
- Do not leave the product for a long time in a hot environment, such as a vehicle parked on a hot summer day.
- Do not leave the product anywhere near overheating hazards, such as on underfloor heating or an electric blanket.
- Do not keep the product anywhere close to or inside heating appliances (such as stoves or microwaves), heating cookers, or pressurized containers.
- Do not use a malfunctioning charger or battery.

Keeping the Rules while Using the Product

Battery Information

To guarantee optimal performance, rechargeable batteries should be replaced every year or past 500 charge cycles. To guarantee optimal performance, rechargeable batteries should be replaced every year or past 500 charge cycles. Even though it causes no damage, it can't be used any longer. So, dispose of it according to safe battery disposal procedures.

- When the battery performance has been reduced by 20% or more, the battery life is exhausted. Stop using the battery and dispose of it appropriately.
- Battery duration depends on the type of battery and how the device is used. Conserve battery life by complying with the following.
 - Avoid fully discharging a battery since it causes extra burden on the battery. Avoid fully discharging a battery since it causes extra burden on the battery. Charging a partially discharged battery does not harm the device.
 - Keep the battery in a cool place and away from locations with heat. When keep a battery in long-term storage, keep it 40% charged.
 - Do not keep a battery uncharged or unused for a long time. While the battery power is consumed, frequent charging can conserve at least half of the battery life.
- Conserve battery life by avoiding overcharging or undercharging a battery.
- Do not leave a battery uncharged and unused for a long time. This may cause deformity to the battery pack despite preventive safety measures. In such a case, immediately stop using the battery, and charge it with an appropriate power adapter or contact the service provider.
- If a battery, which has remained idle for a long time, fails to charge or its surface heats up, do not attempt to charge it. It may not operate any longer.
- If you use a battery from some other company, it may cause damage to our company's product. If this happens, it shall not be covered by the warranty policy of BIXOLON.



Inadequate replacement of a battery runs the risk of explosion, so used batteries must be disposed of according to the manufacturer's guidelines.

Battery Charging Guide

When charging a battery pack, paying attention to its temperature is crucial. Charging is most efficient at room temperature or a bit lower temperature.

Storage and Safety Guide

A charged battery may be left unused for several months, but increased resistance in the battery may exhaust the charged electricity. In this case, the battery has to be recharged before it can be used. We recommend that the battery be kept at temperatures between 0°C and 28°C.



The above only applies to the use of a stand-alone battery. For non-separable battery or a product without a battery, refer to the User Manual for each product.

Product Operation and Storage Guide

The product has applicable operating temperature and storage temperature. Avoid problems, damage, or misuse by complying with the suggested temperature requirements.



Refer to the User Manual for each product for applicable temperature requirements.

Adapter Information

- When the product is not charging, do not keep the power adaptor plugged into the socket.
- Remove the power adaptor only after the battery is fully charged.
- The power adaptor that comes with the product is not designed for outdoor use. In humid conditions with moisture or rainfall, both the adaptor and the product may suffer damage.
- Charge the product by only using the power adaptor included in the package or some other adapter with the same specifications. Using an inappropriate adaptor may damage the product.



The above only applies to products that are connected to an adaptor. For those products that do not use an adaptor, refer to the User Manual for the specific product.

Preventative Measures

- Refrain from overusing the product to prevent vision impairment.
- Take a 10-minute break after using the product for 30 minutes. Keep children 2 years or younger from watching videos on the product, and keep children 2 years or older from watching videos on the products for more than an hour a day.
- Maintain correct usage to reduce any potential influence from electromagnetic waves.

Laser Information



This information only applies to those products related to laser components.



Performing control, adjustment, or procedures that are not specified here may generate harmful laser light. Using scanners together with optical devices including binoculars, microscopes, and magnifying glasses may cause vision impairment. The list does not include glasses used by the user.

LED Information

Normal operation of the product, its maintenance and management by the user, or the operations of specified services include LED display(s) or LED ring causes luminance that is harmless to human eyes.



This information only applies to those products related to LED components.

Warning about the Possibility of Hearing Impairment

Zx.3 Warning

A text warning about possible hearing impairment must be included in the packaging or the User Manual, and it must include the following details.

A symbol with a minimum height of 5mm.

The text below or something similar.



Image 1 - Warning Label (IEC 60417-6044)

A clear warning may be given through the display of the equipment in use when the user is asked to approve top-level activation.



To prevent possible hearing impairment, do not listen at a high volume for a long time.

Do Not Use the Product While Traveling or Driving



Using the mobile terminal while walking or driving may cause serious injuries or damage. Such acts are strictly prohibited in some territories.

Preventing Damage from Loss of Private Data and/or Product

Protecting Private Data

To protect the private data such as contacts and photos as stored in the product, make sure to do the following.

- Lock the screen with a pattern, PIN, a password etc. to prevent a person from easily accessing the data. Refer to Screen Lock for how to set screen lock.
- In case you have lost the pattern, PIN, or password that you use to unlock your screen, you may be unable to use the product unless the product is reset (with data deleting). So, be careful not to lose your screen lock method.
- If you lose your product or it gets stolen, you may lose the data stored in the product since you may need to reset you product. So, create a backup of your data and keep it in a secure location.
- Use your Google account to set up the Find My Device service. If you have lost the product or it gets stolen, you can prevent leaks of your private data by locking or resetting the product remotely from the website of the service.

Regularly backing up the Data

Create a backup of your data in your computer or get it automatically saved to the cloud to keep it safe. You can back up the data with the methods below. The backup method may vary among different products.

- **Use Google Backup**

For more information, refer to **Google Account Backup**.

Setting up Find My Device

You can locate or remotely control your product by using Google's **Find My Device**. To use the service, you must log in with a Google account.

Run the  **Setting** app and go to **Google** → **Security** → **Find My Device**, and then press the switch to activate the function.

Go to the Find My Device site (www.google.com/android/find) with your computer or mobile device, and then log in with the Google account logged in from the product. You can view the approximate location of your product on the map. You can use the functions such as locking the device or resetting it.

Warranty Policy

The product warranty period varies with the terms of purchase. For the actual warranty period for the product that you have purchased, contact the supplier or seller.

If the user modifies the device, inappropriately installs or uses it, gets it damaged in an accident or by neglecting it, or inappropriately installs or replaces components, then this warranty policy does not apply.

BIXOLON works on the continuous upgrade of the product to improve its function and quality. For this reason, the specifications of the product and the details of its manual are subject to change without prior notice.

Summary

What's Included in the Package

Check if the H5 package has everything below in it.

In case the product is damaged or anything is missing, contact a BIXOLON sales agent.

What's Included in the Basic Package



H5



USB Cable



Power Adapter



Battery



- The items included in the package and separately sold compatible items may vary, based on BIXOLON's reasons.
- The items in the package are solely for this product and may not be compatible with other devices.
- The appearance, specifications, etc. of the product are subject to change without prior notice for the purpose of improving its performance.
- For separately sold items, make sure to purchase official BIXOLON products. Using separately sold items that are not official BIXOLON products can downgrade performance or cause problems. In such cases, the company's warranty policy does not apply.
- The compatibility of separately sold items is subject to change due to BIXOLON's reasons. For more information on compatible separately sold items, visit the BIXOLON homepage.

Optional Accessories



Wrist strap



Tempered glass
screen protector



Pistol grip



Cradle package

Product Information

Front



Back



Side



- When using the speaker for playing back media files or using the speaker phone, do not put the product close to your ears.
- Be careful to avoid exposing the camera lens to strong light, such as direct sunlight. Exposing the camera lens to such strong light may damage the camera's image sensor. Damaged image sensors can't be restored, which may create specks or other distortions in pictures.
- If the product is used with its glass or acrylic surface broken or damaged, you run the risk of getting hurt. Make sure to get it repaired at the service center before you use it.



- Call quality or reception may drop, or battery might be used up quickly in the following circumstances.
 - If a metallic sticker is attached to the antenna
 - If a metallic cover is used
 - If you touch the antenna while using product functions such as voice calls or mobile data.
- If you want to use accessories for the screen, we recommend that you use the official BIXOLON products. If you use any accessories that are not our official products, it may hamper the functioning of some sensors.
- Do not cover any part of the proximity/luminance sensor or its surroundings with accessories like protection film or stickers. This may hamper the correct functioning of sensors.
- If the product is used in a very humid place or it is wet, its touch sensor may not function properly.

Charging

If you are using the product for the first time after you purchased it or resuming use after not using it for a long time, you should sufficiently charge the battery beforehand.



Make sure to use an authentic charger from BIXOLON. Using an unauthentic charger to charge the battery may cause explosion or problems.

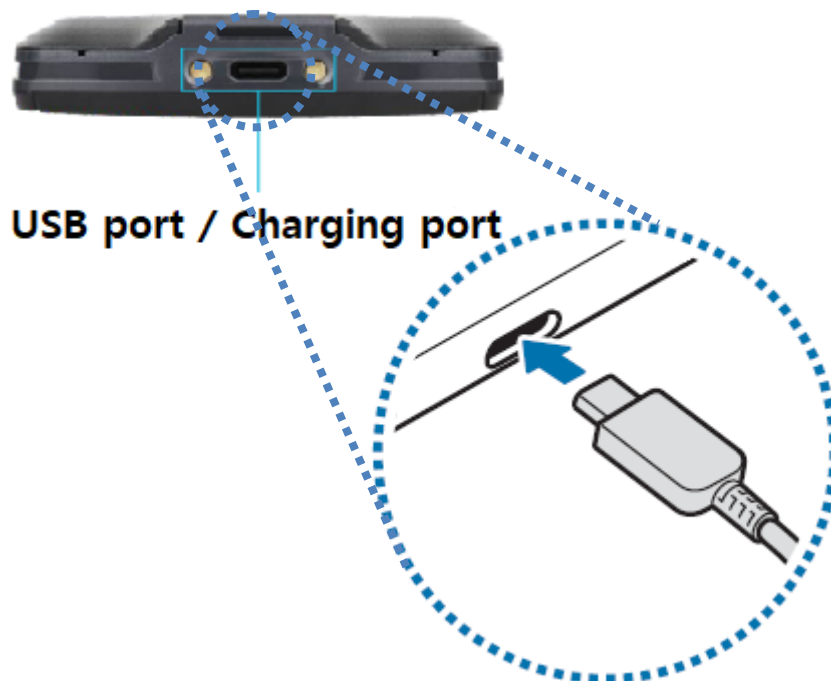


- A wrongly connected charger may cause trouble with the product. Any damage caused by wrong usage shall forfeit the warranty.
- Make sure to use the USB Type-C cable that comes with the product. Failure to use an authentic cable may cause damage to the product.



If you aren't using the product to save energy, disconnect the charger from the product. As the charger has no power switch, the charger has to be separated from the power outlet to prevent on-outlet power consumption.

1. Connect the USB cable to the USB port on the product.



2. Connect the USB charger adaptor to the power outlet.
3. When charging is done, separate the USB cable from the product. Then, unplug the USB charger adaptor.



When charging is done, separate the USB cable from the product. Then, unplug the USB charger adaptor. When charging is finished, the red light turns off.

To Increase Battery Runtime

You can try various ways to increase battery runtime.

- Use **Battery Saver** to optimize the product.
- When not using the product, turn off the screen by pressing the power button.
- Turn on the power saving mode.
- Close those apps that are not in use.
- When Bluetooth is not in use, turn it off.
- Turn off "Automatically sync data" for those apps that need syncing.
- Set Screen Timeout short.
- Lower the screen brightness.

Things to Remember When Charging the Battery

- When there isn't enough remaining battery, the battery icon at the top of the screen will be shown as empty.
- When there isn't enough battery, the product won't power ON, even if the charger is connected to it. Charge the battery for at least several minutes before you turn the power ON.
- If you run a number of apps simultaneously or run an app that has to connect to the network or some other devices, then the battery consumption will be faster. To prevent the product from powering OFF during data transfer, always sufficiently charge the battery before you use the product.
- If the product is charged by connecting it with a USB cable to computer, etc., low electric current may slow the charging speed.
- You can use the product even while it is charging, but the battery charging time may be longer.
- If you use the product while charging, the power supply may not be stable and the touch screen may not work properly. In this case, separate the product from the charger.
- While charging, the product and the charge may get hotter. This is normal and does not affect the performance or function of the product. If the battery temperature goes above a specified level, charging may stop for safety reasons.
- If charging while external connector jack remains wet, the product may suffer damage. Charge the product only after the jack is completely dried.
- Do not use or charge the device in an environment where the temperature is too high or too low.
- When the device (including the battery) is not in use, keep the battery and the device separated. Keep them in a PE package or insulation bag, and prevent them from getting wet or contacting other electronic devices.
- Keep the battery in a cool, dry, and well-ventilated place (at a temperature between 0°C and 28°C).
- While in storage, a battery has to remain 60% - 70% charged. Charge unused batteries at least once every three months.

Replacing the Battery



- When replacing the battery, check the direction in which the battery is placed.
- Put the battery right into the battery slot as shown in the image below.
- Do not force the battery into the device.
- After placing the battery cover in place, fasten the battery cover locking device.

- Detach the battery.



Personal Digital Assistant

- Attach the battery.



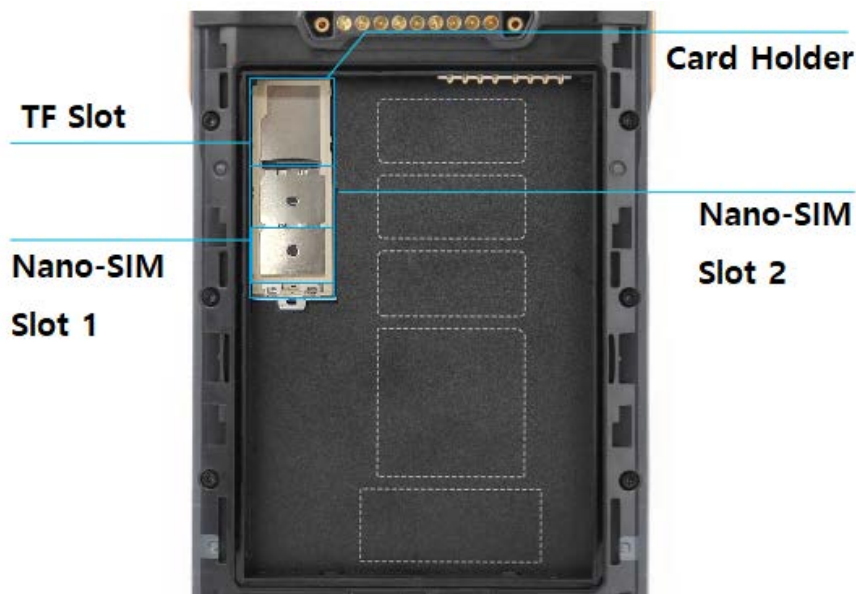
Inserting SIM/TF Card

Insert the SIM (Subscriber Identity Module) card that is provided by your wireless carrier when you subscribed to its service. The SIM card slot lies in the battery holder.

1. Press-and-holding the Power key will show a pop-up window. Select Power OFF.
2. Select Power Off.
3. Once the power goes OFF, push the battery cover locking device to the left to remove the battery cover.
4. Detach the battery by lifting its lower protrusion.
5. Pulling down the SIM/TF card holder by manually on the left.
6. Place the SIM card correctly in the SIM/TF slot on the card holder.



- Both SIM slot 1 and SIM slot 2 for Nano-SIM cards.
- SIM slot 1 is using for the default network.
- If the card holder is inserted while wet, the product may be damaged. Completely dry the card holder.
- A SIM card is required to use the carrier's mobile service.
- A TF card is required for external storage.
- If you want to buy these cards, contact the sales staff or the seller.
- Some services may not be available from mobile carriers. For more information about service availability, contact your mobile carriers.



- Be careful not to transfer the SIM card to some other person or lose it. BIXOLON will not be found responsible for any damage from its transfer, misuse, or loss.
- Use a standard SIM card.
- When inserting SIM card or TF card, do not use excessive force.

On Using a SIM card

- Nano-SIM (Subscriber Identity Module) card enables the user to use their mobile communication service from a mobile device.

The phone bills or information service bills are charged to the user registered on the Nano-SIM card.

- Once you insert the Nano-SIM card and power it ON, the device reads the data stored in the Nano-SIM card for about 1 minute.
- Be careful not to get the Nano-SIM card scratched or bent, as this can damage the data stored in the Nano-SIM card.
- You may lock the Nano-SIM card, lest others may access it.

After a wrong PIN is entered three times in a row, the Nano-SIM card gets locked, blocking access to it. In this case, the PUK code must be entered. A PUK code is a password that can release the lock on the Nano-SIM card, and it's provided when purchasing a Nano-SIM card.

Be careful not to enter a wrong PUK number 10 times in a row after the PUK code has been entered. Otherwise, you'll have to purchase another Nano-SIM card. In case you have lost your PUK code, ask the sales agent or wireless carrier that provided the Nano-SIM card to reset the code.

- For more information about Nano-SIM cards provided by other wireless carriers, contact those carriers.



- H5 is an OMD (Open Market Device). A wireless carrier's registration is required to use VoLTE, due to the policy for domestic wireless carriers.
- H5 supports dual SIM. However, dual SIM usage might be limited, depending on the performance of the H5 CPU or the carrier's mode of telecommunications.

TF Card (Memory Card)

For the maximum supported TF card capacity, refer to **Specifications** in this document.

1. If you long-press the Power key, a pop-up window will show.
2. Select Power Off.
3. Once the power is OFF, remove the battery cover by pushing the battery cover locking device to the left.
4. Detach the battery by lifting its lower protrusion.
5. Pulling down the SIM/TF card holder by manually on the left..
6. Insert the new TF card correctly.

Powering ON/OFF

Power ON the product by long-pressing the **Power Button** for 2 or more seconds.

To disconnect the power, long-press the **Power Button** while the screen is on, and then choose Close.



- To turn the screen ON or OFF, press the Power button.
- If an account is registered while Wi-Fi is not ON, you may have to pay an extra charge according to your data plan.
- If the Nano-SIM card is incorrectly inserted or if an unsupported Nano-SIM card is inserted, an error message will appear.
- In places where wireless device use is restricted, such as airplanes or hospitals, comply with all the warnings and instructions from the managers in charge.


Resetting Hardware

When the product seems frozen (e.g., if the terminal fails to respond to button operations or the screen fails to respond to touches), it may have to be reset.

To Reset the Device Hardware

Restart the product by long-pressing the Power Button for about 10 seconds.

To Reset the Device Software

Run the  **Setting** app and go to **System** → **Reset Options** → **Erase all data (factory reset)**.

Once all the settings and data for all the apps and private content are reset, the factory setting will be restored.



- Device while the battery is sufficiently charged. Otherwise, the device might not fully reset. When the battery power is low, you can reset the device while charging its battery with a USB cable.
- Back up your data and settings that you want keep before you restore the device to its factory setting.

Guide to the Screen

Touch Screen Operations



- Be careful not to have any conductive materials contact the touch screen. Electric stimulation by static, etc. may cause incorrect operation or cause errors to the touch screen.
- Do not forcefully press the touch screen with your fingertip or with any sharp object. This may damage or cause errors to the touch screen.
- Do not keep your screen partially or wholly locked for too long. Using a locked screen for too long may damage the screen by causing image burn-in.



- The margins of the touch screen are where touch detection ends, so touches on those areas won't be detected.
- When using the touch screen, use your fingers.



Pressing

Gently press on the screen to open, start, or select items.



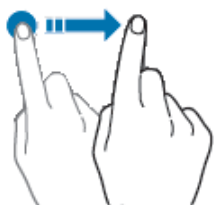
Long-Pressing

Long-press items or the screen for at least 2 seconds to view detailed menu or options.



Dragging

Drag the item that you want to move to the desired position while long-pressing it.



Scrolling

Push the screen up or down, left or right to scroll a menu or page.



Zooming IN/OUT

After pressing the screen with two fingers, spread them or put them together as shown in the image.

Basic Functions

Locking and Unlocking

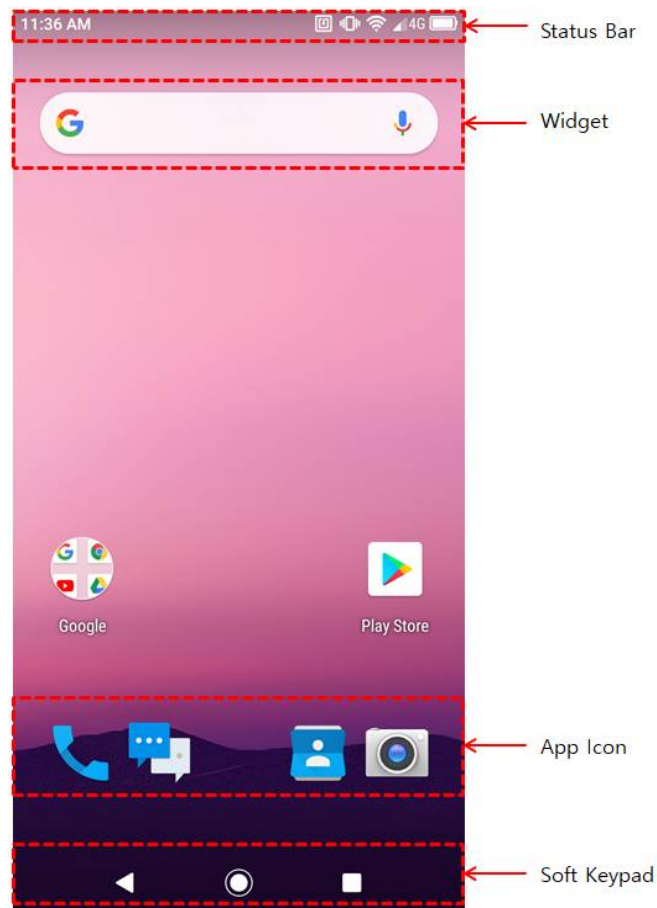
Lock the screen to protect the device and its data.

The default setting has it that the device locks if it is not used for a specified period of time.

To unlock the device, turn the screen ON by pressing the Power button, and then drag the screen.

Using the HOME Screen

The HOME screen serves as the start page for all apps and functions. It displays the icons, shortcuts, and widgets for all apps.



The HOME screen has several pages. To view other pages, scroll left or right.









Notification and Status Icons

On the notification bar at the top of the screen, icons below appear to indicate the product status. This User Manual treats key icons only.



- While some of the apps are running, the notification bar may not show at the top of the screen. If you drag downward from the top of the screen, the notification bar will appear.
- Some of the status icons will only appear when you open the notification window by dragging downward from the top of the screen.

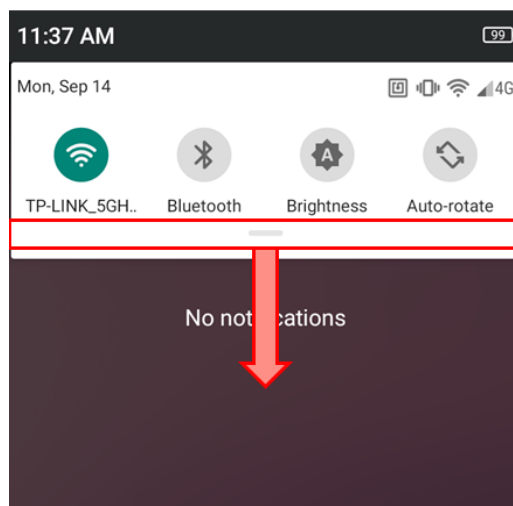
Icon	Explanation
	A new text or multi-media message is received.
	A screen capture image.
	A missed call.
	Earphones connected or music playing.
	An approaching schedule or event.
	An alarm set.
	Data syncing.
	No data network signal.
	Signal strength in service area displayed.
	Connected to 4G (LTE) network.
	Connected to 3G network.
	On roaming.
	Wi-Fi signal strength displayed.
	Wi-Fi data uploading/downloading.

	Bluetooth ON.
	Location service in use.
	Battery fully charged.
	Battery percentage displayed.
	Battery charging.
	Airplane mode ON.
	Vibrate mode ON.
	SIM card not installed.

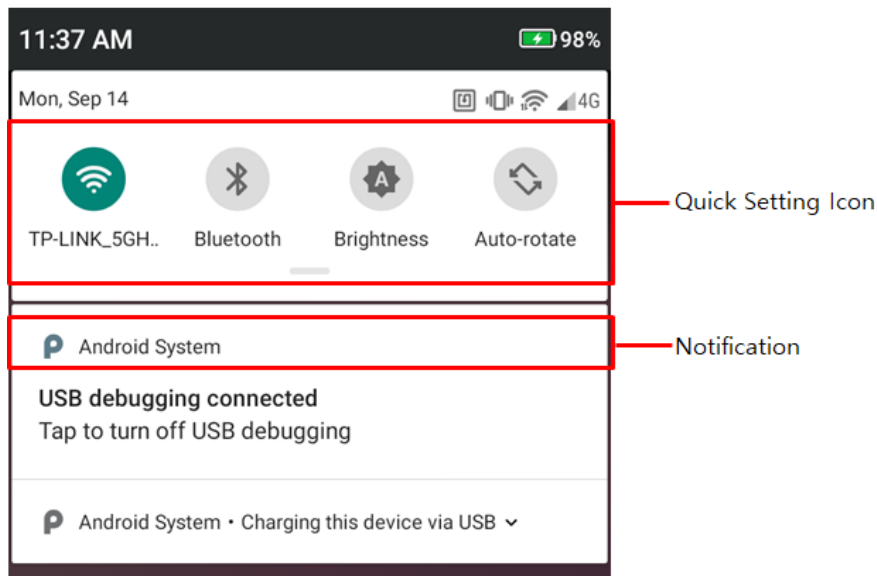
Notification Window

When a new message or a missed call is available, the corresponding status icons will appear on the notification bar at the top of the screen to let you know. When a new status icon shows on the notification bar, open the notification window and check the details.

Open the notification window by dragging downward from the top of the screen. To close the notification window, drag the screen upward.




Through the notification window, you can access the features below.



Using the Quick Settings Button

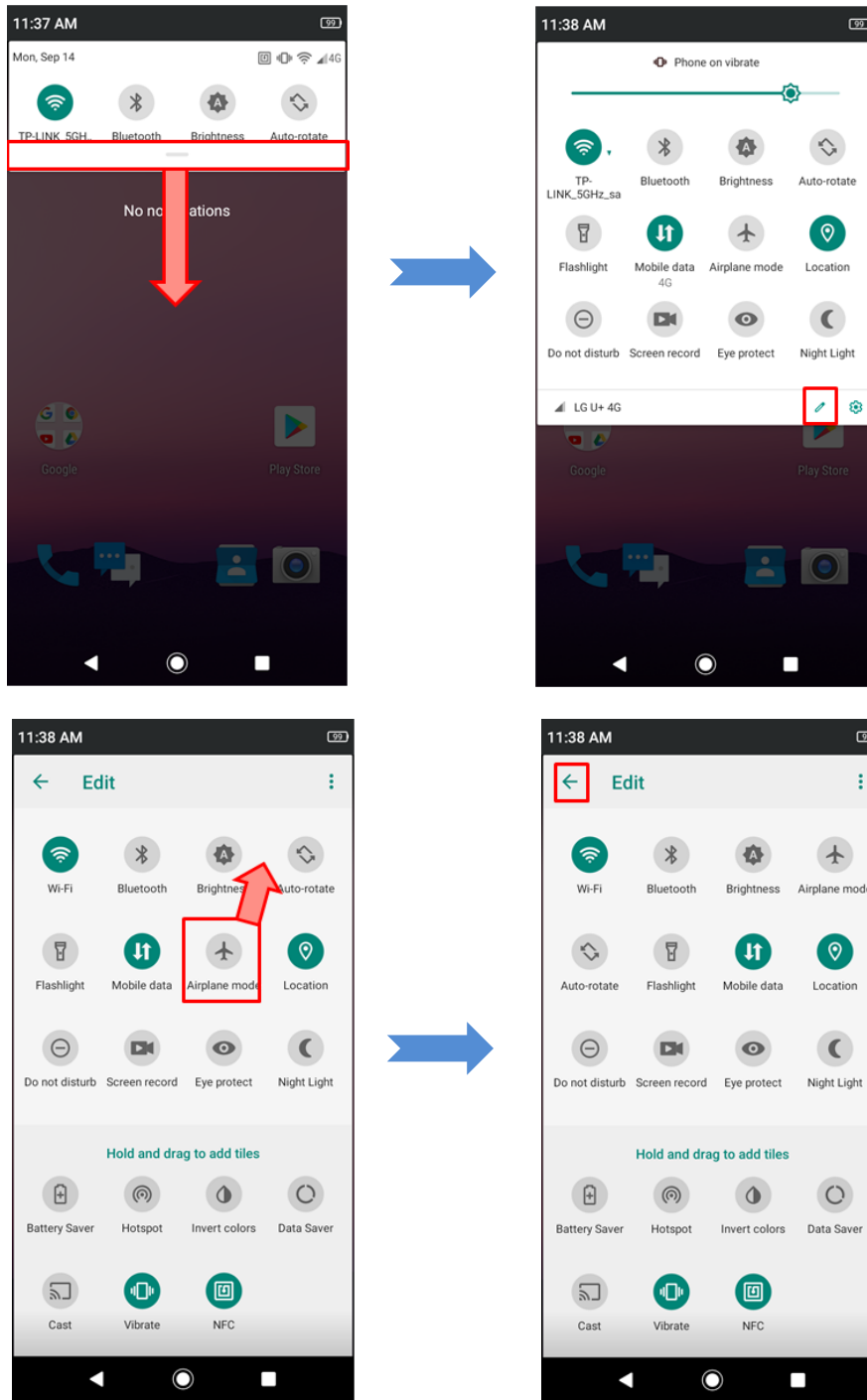
You can activate or deactivate various features with the Quick Settings button. By dragging the notification window downward, you can view more buttons.

To change the setting, press the corresponding button. To move to the Advanced Settings screen, long-press the corresponding button.

To move to the Advanced Settings screen,  → press the corresponding button.

To add a style to the Quick Settings button, move to the Quick Settings button menu by long-pressing the icon for the style to be added.



Personal Digital Assistant



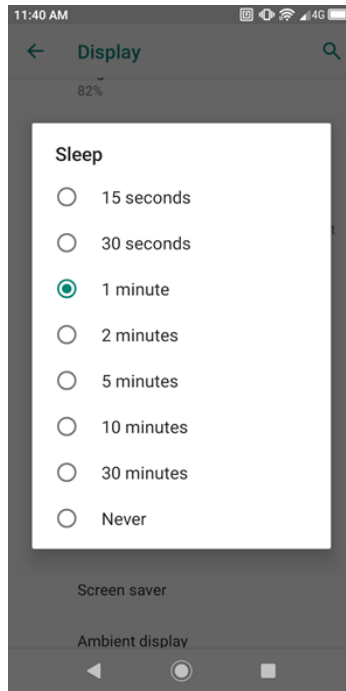
The screen may differ among service providers.

Display Settings

H5 provides display brightness control and a Sleep mode.

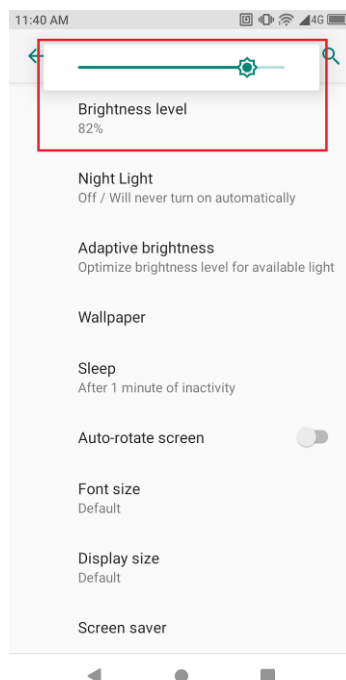
Run the  **Setting** app and go to  **Display**→ **Sleep**.

On the **Sleep**, select the time.

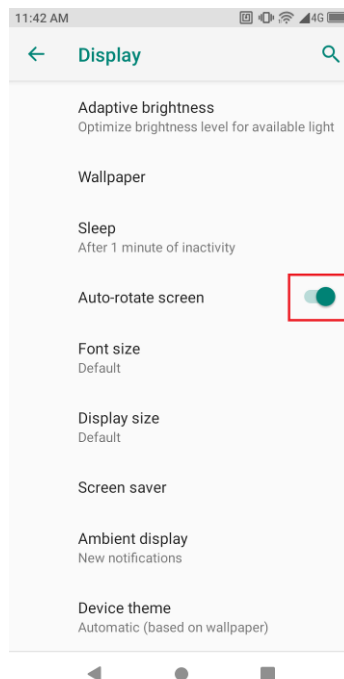




Run the  **Setting** app and go to  **Display**→ **Brightness level**

Change the brightness by moving the **Brightness bar**.

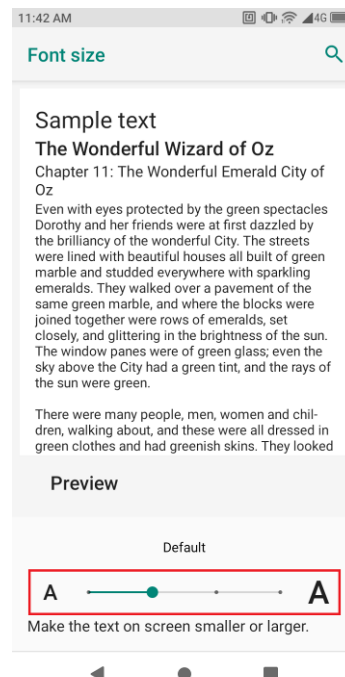
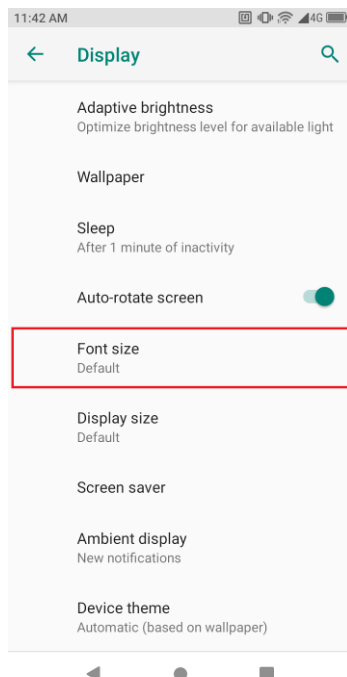


Run the  **Setting** app and go to  **Display**→ **Auto-rotate screen**.




Run the  **Setting** app and go to  **Display**→ **Font size**.

Change the size by moving the **Font size bar**.

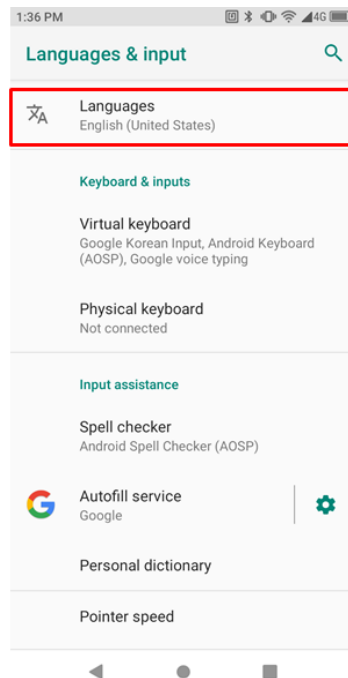


Language & Input

You can add, delete, or change languages for the product.

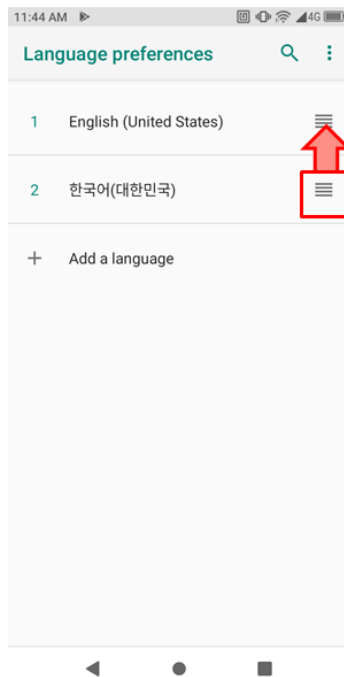
Run the  **Setting** app and go to **System** →  **Language & input** → **Languages**

By selecting **Languages**, go to the detailed menu.

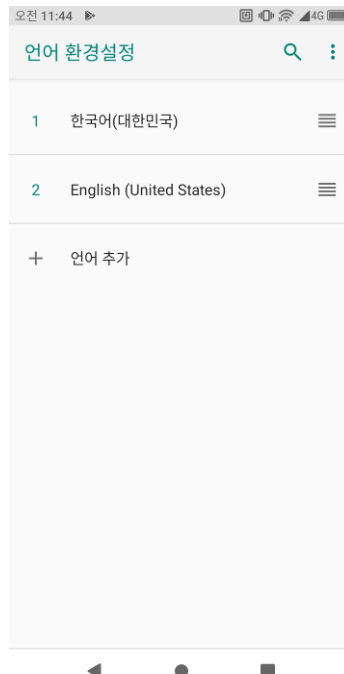


Changing Priority of Registered Languages

Move the ≡ button that lies to the right of the language that you want to change to the top of the registered list while long-pressing it.

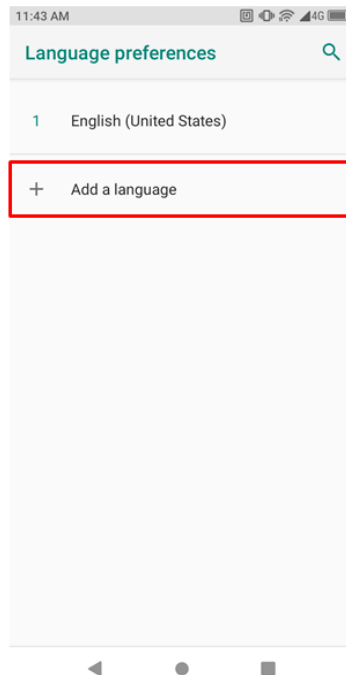


Make sure that the system has changed to your wanted language.

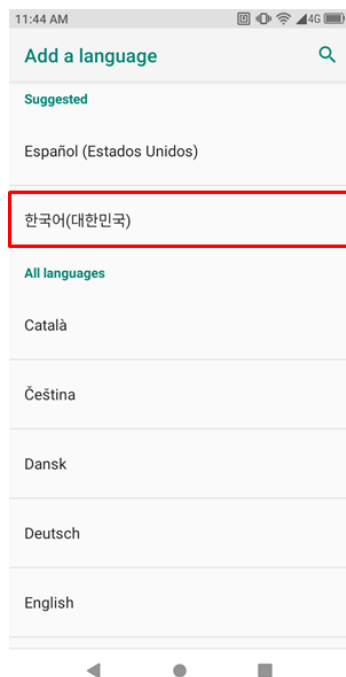


Registering or Adding a Language


To add a language, go to the detailed menu by clicking on the **+ Add a language** button.

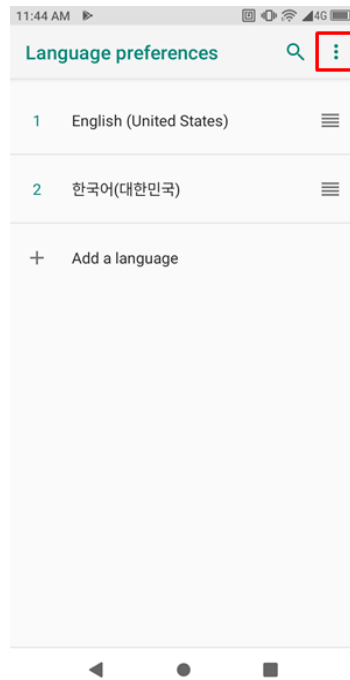


Click on the desired language on the list.

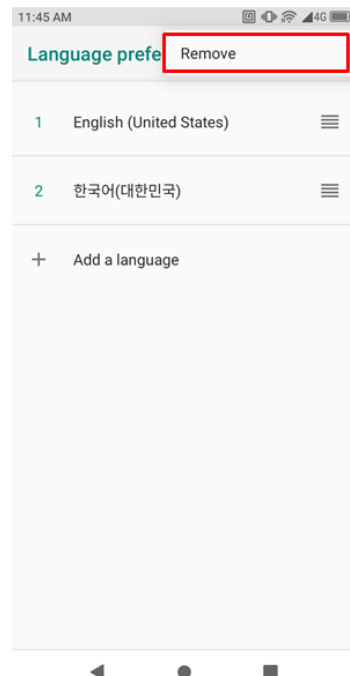


Deleting a Registered Language

To delete a registered language, click the  button at the top right.

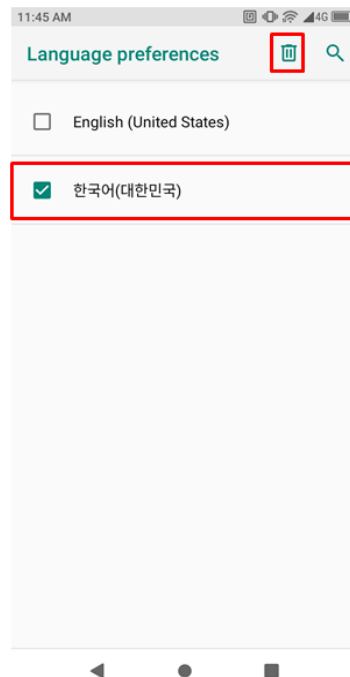


When the **Remove** button is shown on the screen, press the Delete button.

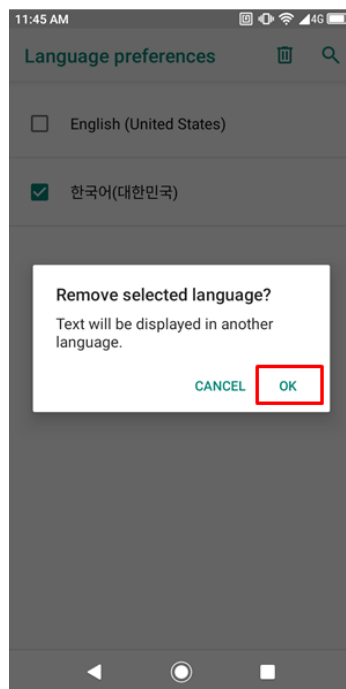


Personal Digital Assistant

Select the language that you want to delete from the list, and then click on the **Trash Can** icon at the top right.




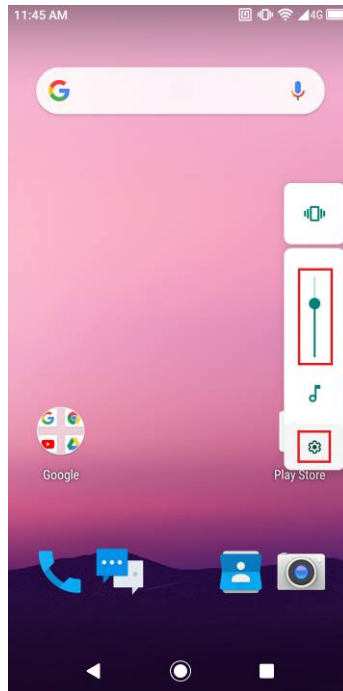
If you really want to delete the selected language, delete it by clicking on the **OK** button.




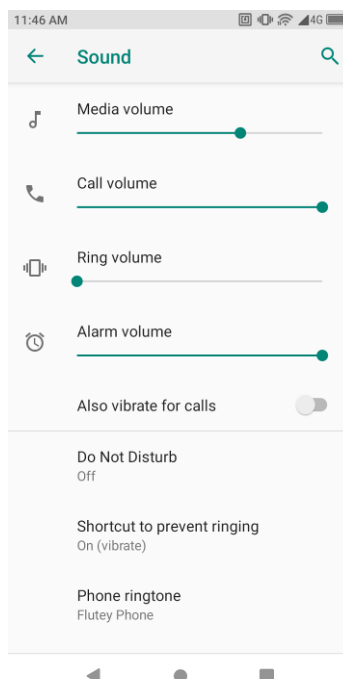
Volume Controls

Press the Volume key to adjust the media volume.



By clicking on the **Settings** icon , you can adjust the volumes for specific categories such as media, voice calls, alert sound, and alarm.



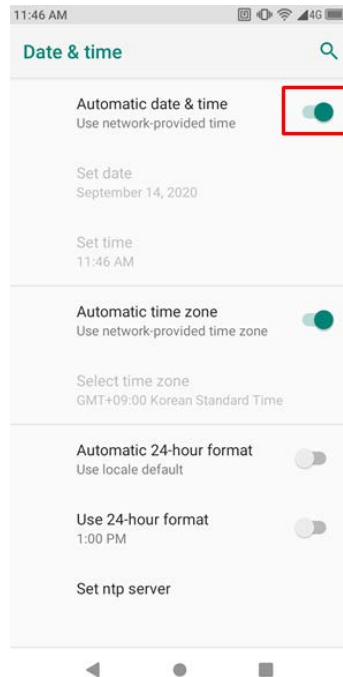
Run the  **Setting** app and go to **Sound** and then open the Sound Settings interface.



Date & Time Settings

Run the  **Setting** app and go to **System** →  **Date & Time**.

Activate the **Automatic date & time** button. If you are connected to the internet, your product will automatically sync the time with the server.

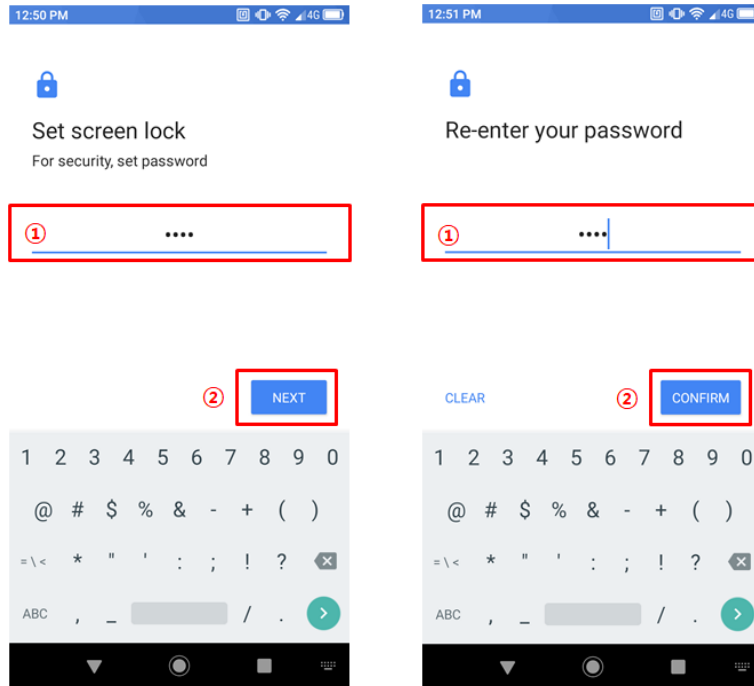


Setting Screen Lock

This blocks access from unauthorized users.

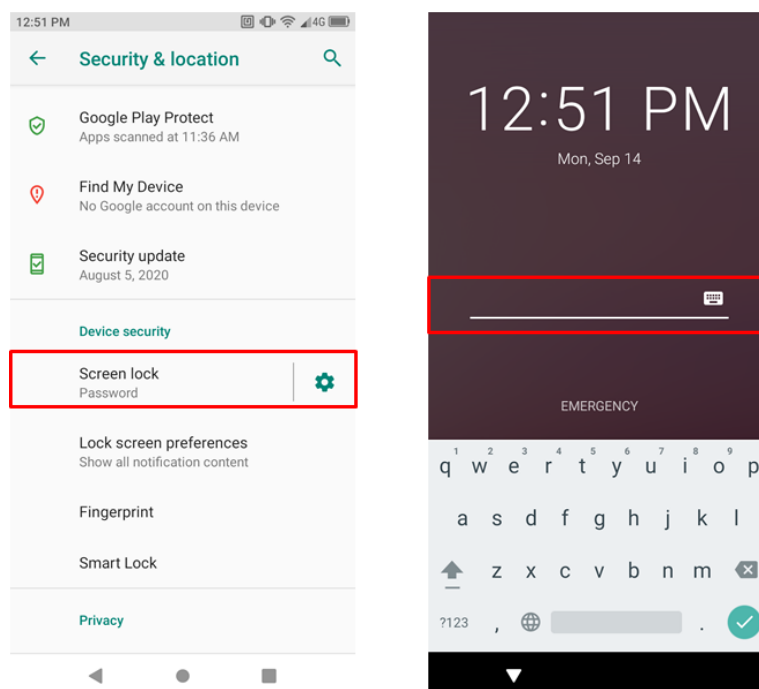
Run the  **Setting** app and go to  **Security & Location** → **Screen lock** → **Password**.

After entering a password, keep pressing the Continue button. Reenter the same password, then press the OK button.



This confirms the change the screen lock to password.

To enter after the screen goes OFF, you can only log in by entering the set password into the password input screen.



Apps and Features

Installing and Managing Apps

Connecting to Wi-Fi or Data Network

You can connect to the internet by long-pressing the **Wi-Fi** or **Data Network** icon.

When Using Wi-Fi



When Using a Data Network



If you use Wi-Fi and a data network simultaneously, Wi-Fi takes priority over mobile data for connection.



The device regularly lets you know if there are any available connections.
The notification shows briefly at the top of the screen.

Bluetooth

You can connect wirelessly to various compatible Bluetooth devices.
By using Bluetooth, you can send files or photos.

Run the  **Setting** app and go to **Connected devices** → **Connection preferences** → 

Bluetooth → **Pair new device**, and then select a device that you want to connect.

Some of the devices may require you to enter a password.



- Bluetooth range may vary with devices or environment.
- Pairing detection is available for other devices when View Bluetooth Settings is open.



Do not accept a request from or pair with any unknown devices.
Be careful to protect yourself and your devices from harmful content.

Disconnecting Bluetooth

Run the  **Setting** app and go to **Connected devices** → **Connection preferences** → 

Bluetooth → Connected Devices to delete.

Downloading Apps from Play Store

You can purchase or download apps.

Run the Play Store app.

Downloading Apps

Search apps by category or with keywords.

To view the app information, select the desired app. To download an app, tap Install for a free app or the specific amount for a paid app.



Request an account to use **Play Store** apps. You can use it by logging in with a registered or newly created account.

Remove Apps

On the HOME screen and Apps screen, select your desired items by long-pressing and dragging them.

- Delete: Delete the app shortcut icon from the Home screen.
- Remove: The specific app is completely removed from the product.

Using the Airplane Mode

Run the  **Setting** app and go to **Network & internet** → **Airplane mode**.

This feature disables all wireless and mobile services.

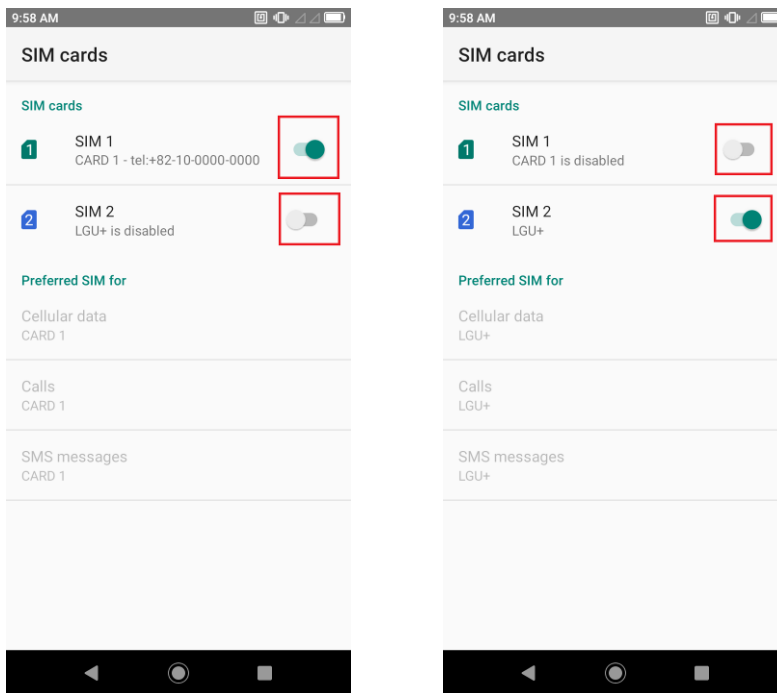
Repeat the procedure to deactivate the Airplane Mode.



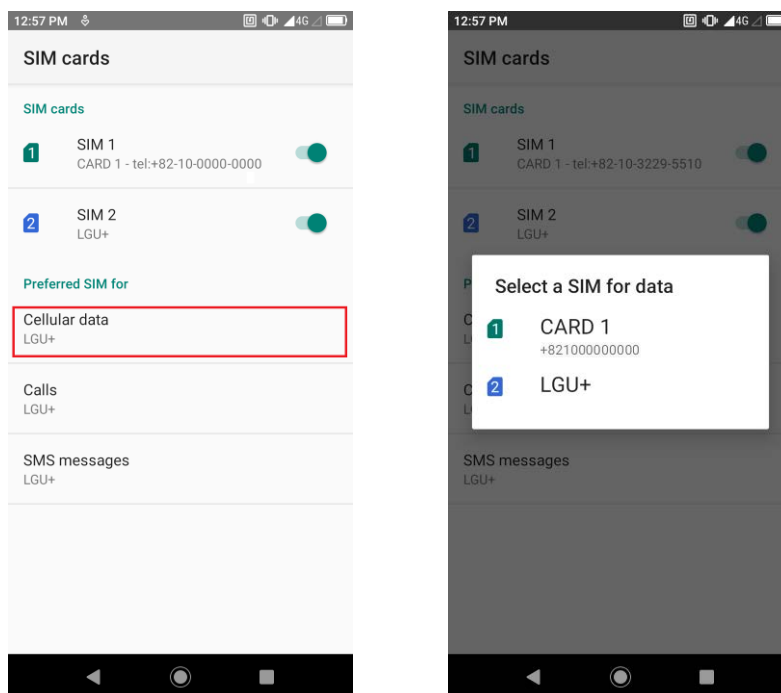
- **Wi-Fi** and **Airplane Mode** can be activated on the Quick Settings button screen. No matter what menu or app you're using at the moment, just drag the top portion of the screen, and then press the **Wi-Fi** button or the **Airplane Mode** button.
- This screen may differ among different service providers.

Setting up the SIM Card

Run the  **Setting** app and go to **Network & internet** →  **SIM cards**

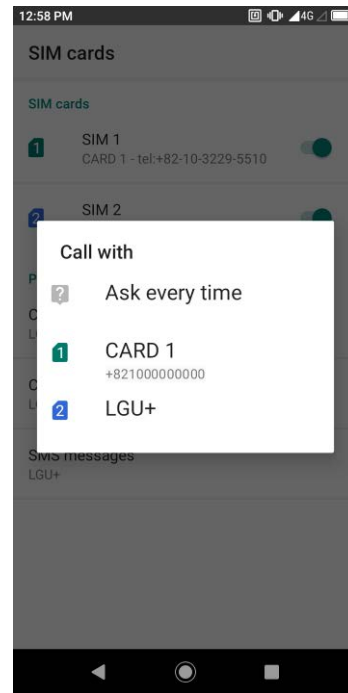
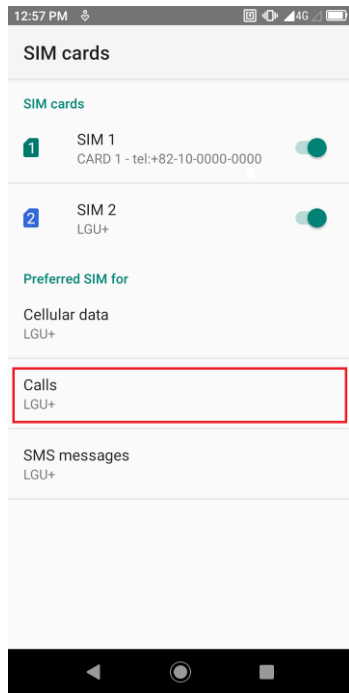


By pressing the Select button to the right of SIM 1/SIM 2, you can choose different cards to activate them or not.

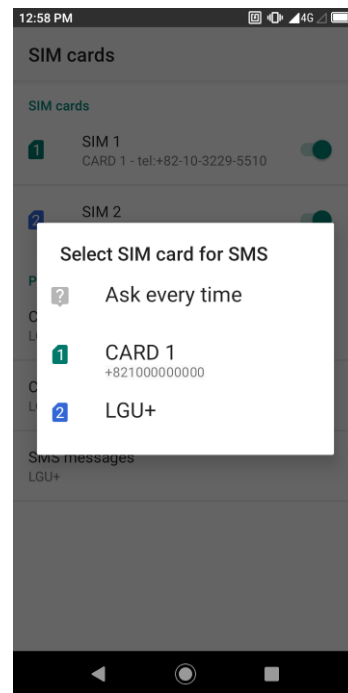
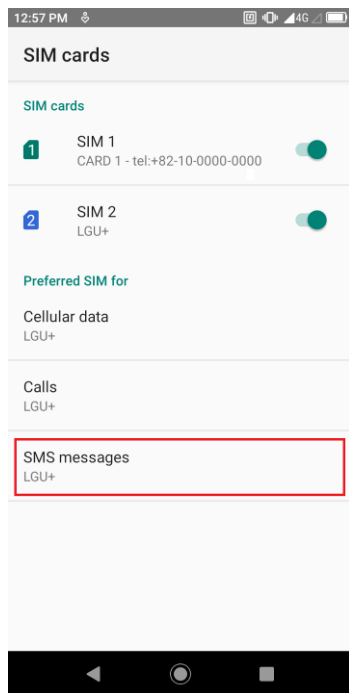


You can select a **Cellular data**. After clicking on the **Default 4G/3G Subscription** button and selecting the SIM card that you want to use, click OK.

Personal Digital Assistant



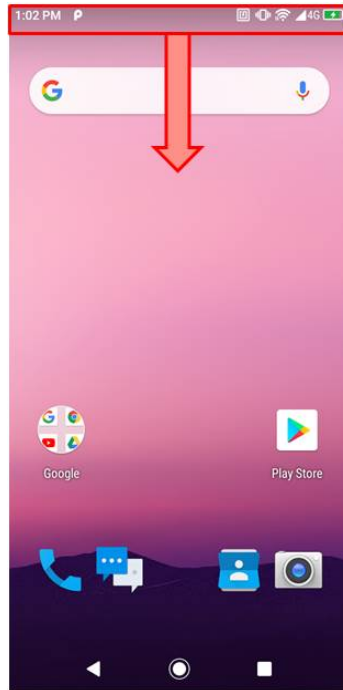
You can choose a SIM card for your voice calls.
After clicking the **Calls** button, click on the desired SIM card.



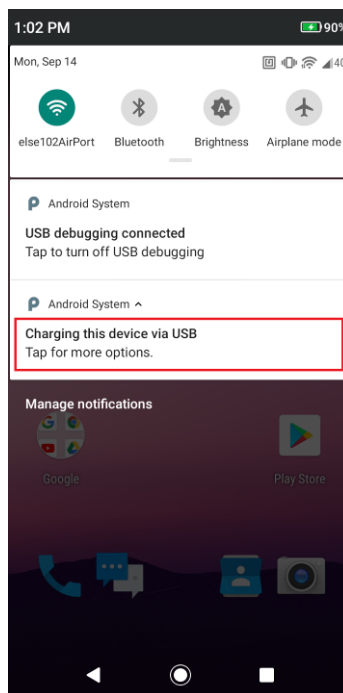
You can choose a SIM card for your text message.
After clicking the **SMS messages** button, click on the desired SIM card.

Connecting to PC

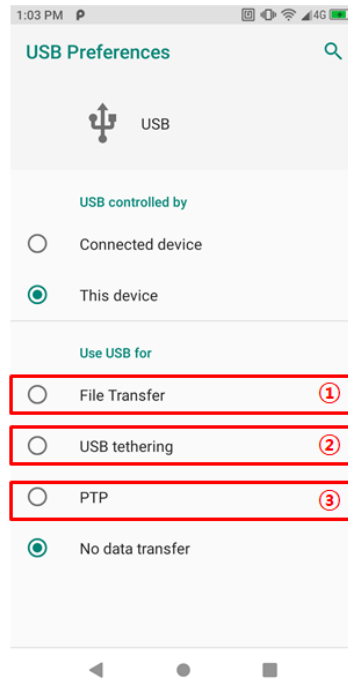
After installing the Android driver or Android smartphone assistant, you can use the provided USB cable to connect the product to your PC. When the product is connected to a PC, the following is displayed.



If you press the top of the screen and drag it downward, it shows the USB Setting interface.



By clicking **Tap to view more options**, you can move to **USB Settings**.



1. File Transfer: Open the device memory and the disk to which files are transferred

2. USB tethering: Internet data transfer through USB

3. PTP: Photo transfer

By opening the computer system or a mobile disk, you can view, transfer, and/or save data.



- By inserting a memory card into the device, you can use it as a mobile disk.
- Unless you insert a memory card, you can't view a mobile disk on your computer.

Barcode Scan

There are two types of scanning apps:

Engine-Operated Scanner

Run the **Scanner**  app.

After pointing the barcode search engine at a barcode, press either of the two Scan Trigger buttons.



As only 3 or 4 scanned data items are visible on the screen, scroll up and down to view more scanned data.



Appendix

Things to Check before You Request Service

Before you request our service, read User Manual first, and then try to fix the issue through the following.

If you still have trouble fixing these issues, visit the BIXOLON website. Some of the following items may be relevant to certain products.

When you turn ON the product or are using it, you will see the message prompting you to enter the following items.

- Password: Because the product is locked, you have to enter the preset password.
- PIN: When you use the product for the first time or the PIN is locked, enter the PIN that is provided with the Nano-SIM card. You can deactivate this feature by using the USIM card lock setting.
- PUK: If the Nano-SIM card gets locked by entering a wrong PIN several times, you must enter the PUK that is provided by your service provider.

The screen now shows a network and service error.

- In an area with weak signal or poor reception, connection may be delayed or may not work properly. Move to some other location before you try it again. While on the move, you may see repeated error messages, depending on the wireless reception status.
- This may be a service that you can use with subscription. For more information, contact your service provider.

The product does not turn ON.

The product does not turn ON if the battery is fully discharged.

Before you use the product, sufficiently charge the battery.

The touch screen is slow or detects taps the wrong way.

- If you attach a screen protection film or other accessories available from the market, the touch screen may not operate properly.
- If you touch with gloves, your fingernails, or with a ball-point pen, or your fingers aren't clean, then it may not operate correctly.
- When the screen has moisture on it or the air is really humid, the touch sensor may not operate correctly.
- To fix temporary software errors, restart the product.
- Make sure that the product software is the latest version.

- If the touch screen is scratched or damaged, contact your nearest service center.

While using the product, button input does not work or the product stops working and frequently has errors.

Try the solutions below. If these solutions haven't helped, contact our service center.

Restart the product.

If the product stops working or slows down frequently, close the running apps or turn the product OFF, then ON again.

Force-starting the product.

If the product does not operate and shows no response, the user can restart it. Long-press the POWER button for at least 10 seconds until the device powers OFF.

Voice calls can't be sent or received.

- Check if the right network is being used.
- See if the phone number that you want to call has been blocked.
- Check if the contact number has been blocked.

While you're on a call, the other person isn't able to hear you.

- Check if the microphone is covered.
- While speaking, keep the microphone close to your mouth.
- When using earphones, make sure that it is properly connected.

While on a call, you hear voice distortion.

Adjust the volume by pressing the Volume button or move to some other location before you try another voice call.

Phone or internet connection is frequently lost or voice quality is poor.

- Check if the built-in main antenna is covered.
- Connection may get lost in areas with weak signal or poor reception. Connection may also be delayed or may not be working well due to issues with base stations. Move to some other location before you try it again.
- While on the move, you may see repeated error messages, depending on the wireless reception status.

The battery icon shows empty.

Remaining battery isn't enough. Charge the battery.

The battery isn't charged well (for the authentic BIXOLON battery).

- Check the charger connection.
- If the battery has to be replaced, contact your nearest service center.

Batter runtime (stand-by time) has become shorter than when it was purchased.

- The runtime will get shorter if the product or battery is left in high or low temperature areas.
- If the product uses additional features such as GPS (location), games, or internet browsing, battery consumption increases to shorten runtime.
- If the battery has to be replaced, contact your nearest service center.

When running the camera, an error message appears.

Running the camera requires sufficient storage space or remaining battery time in the product. If you see an error message when running the camera, try the solutions below.

- Charge the battery.
- Get more storage space in the product by moving files to your computer or deleting them.
- Reconnect power for the product. If the problem persists even if you try all these solutions, contact our service center.

The quality of the photo taken looks worse than the preview.

- Picture quality is sensitive to the environment, and picture-taking skill may make a difference compared to the preview.
- There usually isn't enough light in dark locations, at night, or indoors, which may result in noise or loss of focus in images.

When playing back multimedia files, you see an error message.

If you see an error message when playing back multimedia files, or those files can't be played back at all, try the following.

- Get more storage space in the product by moving files to your computer or deleting them.
- See if the music is protected by DRM (Digital Rights Management). If it is a DRM-protected file, see if you have the license or authentication key to play it back.
- If it is a DRM-protected file, see if you have the license or authentication key to play it back. If the product does not play back files (such as DivX and AC3), install the related apps before you try to play them back.
- The product basically only plays back photos and videos taken with the product. Photos and videos taken from outside may not be played back normally.
- The product supports content as officially provided by your wireless carrier or additional service providers with equal qualifications. The product may not play back other web-circulated content (such as alert sounds, videos, and background images).

Bluetooth operation is not excellent.

If a device you want to connect runs into problems with its Bluetooth usage such as being not found in searches, registering poor connection, or engaging in erroneous operations, try the following.

- See if the device you want to connect can be searched or connected.
- See if the device you want to connect with the product lies within the Bluetooth range (10m).
- Run the **Settings** app and press the **Bluetooth** switch to deactivate, and then activate the feature.
- Run the **Settings** app, and go to **System** → **Reset Options** → **Reset Wi-Fi, Mobile, and Bluetooth** → **Reset** to reset the network settings. By resetting, registered data may be lost.
- If the problem persists even if you try all these solutions, contact our service center.

When connected to a computer, the product is not detected.

- See if the USB cable used for the connection is compatible with the product.
- Make sure that the right driver is installed on the computer and that the driver is the latest version.

It can't find your location.

In GPS radio shadows such as indoor spaces, the product can't receive a GPS signal. To search your location in such an environment, set the product so that it uses Wi-Fi or a mobile network.

The data in the product has been erased.

Data damaged through resetting or errors can't be restored unless a backup has been created.

Regularly back up the data in the product to a cloud service or separate storage media. BIXOLON will not be found responsible for any loss of data stored in the product.

Small holes or gaps are seen in the product exterior.

- Minimum gaps are necessary to ensure smooth operation of the device. These gaps may generate minor shaking.
- Through long-time use, structural friction may get the gaps larger than they are designed.

Insufficient storage space in the product.

Run the **Settings** app, and go to **Storage Capacity** → **Free Up Space** to delete unnecessary data such as cache files or unused apps and files.

Specification

Performance	
CPU	2.2GHz, Qualcomm 660 Octa-core processor
Memory	RAM 4GB ROM 64GB
SIM	TF x 1(Max 256 GB DHC/SDXC), Nano-SIM x 2
OS	Android 9.0
Languages	Multi-language
Display	
5.7 inch TFT-LCD HD (720 x 1440) color screen, Gorilla Glass 3, Ultra-sensitive capacitive touch screen, compatible with gloves and supports wet resistance.	
Notification	
LED, Speaker, Vibrator	
Button	
Side scan button x 2 (left / right), User-defined function button (Programmable key), volume switch button (+ / -), Power ON/OFF Button	
Scanning	
1D / 2D	1D/2D imager
Audio	
Dual-microphone support with noise cancellation, high quality speaker	
Power	
Battery	Removable 3.85 V, 4300mAh (Typical) Lithium polymer battery pack
Operation time	More than 10 hours (Depending on the environment)
Regulatory Approvals	
KC, TTA	

Communication	
USB	USB Type-C
OTG	Support (USB Type-C)
Pogo Pin	Charging via cradle and USB client
WLAN	802.11 a/b/g/n/ac (Dual Band 2.4G/5G)
PAN	V5.0 BR/EDR & BLE
WWAN	4G: FDD-LTE Band 1/2/3/4/5/7/8/12/17/19/20/28A/28B TD-LTE Band 34/38/39/40/41 PS-LTE Band 28A/28B (718~728MHz/773~783MHz) 3G: WCDMA Band 1/2/4/5/8 TD-SCDMA Band 34/39 2G: CDMA2000 1xEV-DO Rev.A BCO CDMA 1x GSM/EDGE/GPRS (850/900/1800/1900)
NFC HF	ISO 14443 Type A and B FeliCa/Mifare ISO 15693 cards Reader mode, P2P mode, Card Emulation mode Apple Enhanced Contactless Polling(ECP)
Sensor	Acceleration sensor, light sensor, proximity sensor, 3-axis geomagnetic sensor, fingerprint sensor
Camera/ Photo/Video	
Rear: 16MP+2MP (LED with flash, auto-focus) Front: 5MP	
Enterprise Solution	
SOTI, AirWatch	
Physical	
Weight	250g
Dimensions	76mm (W) x 162.6 mm (D) x 13.6mm (H)
User Environment	
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-40°C ~ +70°C
Humidity	5% ~ 95% (Non-condensing)
Drop rate	1.5m to concrete
Water and Dust	IP67

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BIXOLON Co., Ltd. continues its work to improve the functions and quality of its products.

For this reason, the specifications and manuals of its products are subject to change without prior notice.

Registered Trademark

- The logo of BIXOLON is a registered trademark of BIXOLON Co. Ltd.
- All other trademarks or product names are the trademarks of the corresponding companies or organizations.

Precautions for Use

Device Type	User Precautions
Grade B Device (broadcasting and telecommunications equipment for home use)	This device has passed the conformity assessment and may be used for home use not only in residential areas, but also in other areas.
Type of Registration	This wireless device can cause interference, so it may not be used for rescue service.

History

[illegible]