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# S50

QUICK  
GUIDE



BLUEBIRD



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## User’s Guidance

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| Device type                                               | User’s guidance                                                                                                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class B Device<br>(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.                                                     |

# 1 Safety Information



## 1.1 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.

## 1.2 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 -20°C and 50°C (-44°F and 122°F), and humidity level 95%.



## 1.3 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.

## 1.4 Charging



- Use only the approved charger. Using an incompatible charger may cause device malfunction or other damage, such as fire.
- Charge the battery at least once a year. If you keep it without charging for a long time, it may cause device malfunction.

## 1.5 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.

## 1.6 Frequency Interference



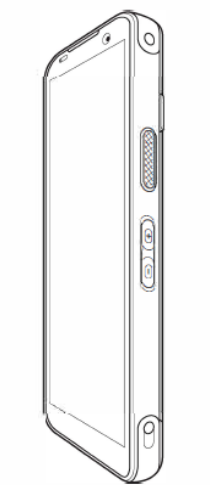
- This wireless device may cause radio frequency interference, so use Airplane mode or turn off the device when prohibited.
- The device emits an electromagnetic fields. It may interfere with your medical devices.
- Do not place credit cards, phone cards, bankbook, and tickets next to the device. The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



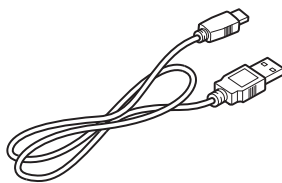
### 2.1 Package Contents

The package includes:

**-S50**



S50 Device and Battery



USB Cable (Type-C), Adapter

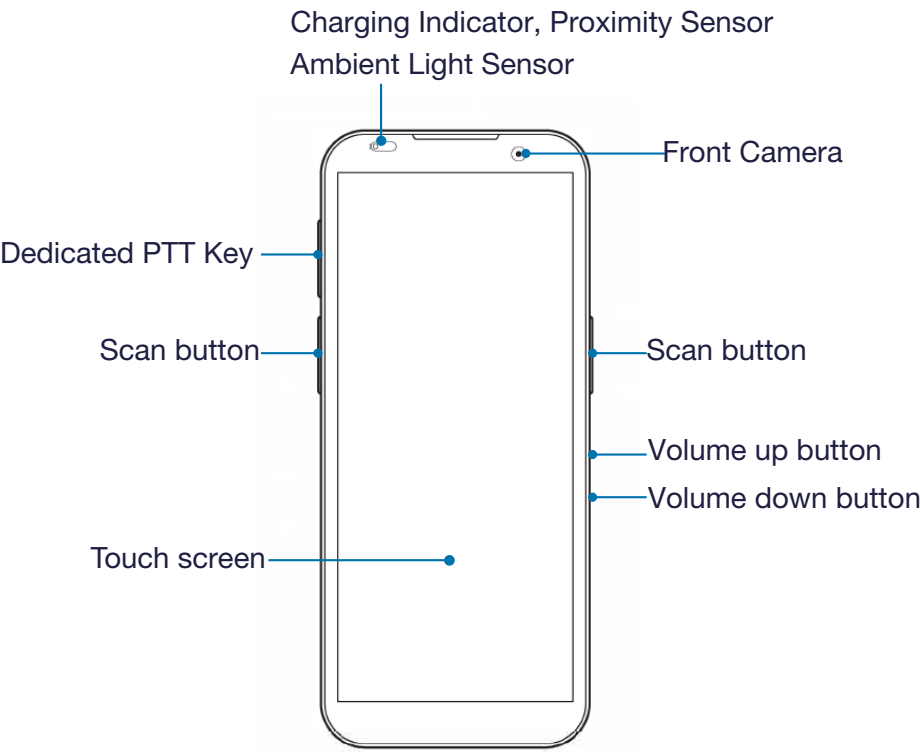


The illustrations may differ from your actual items.

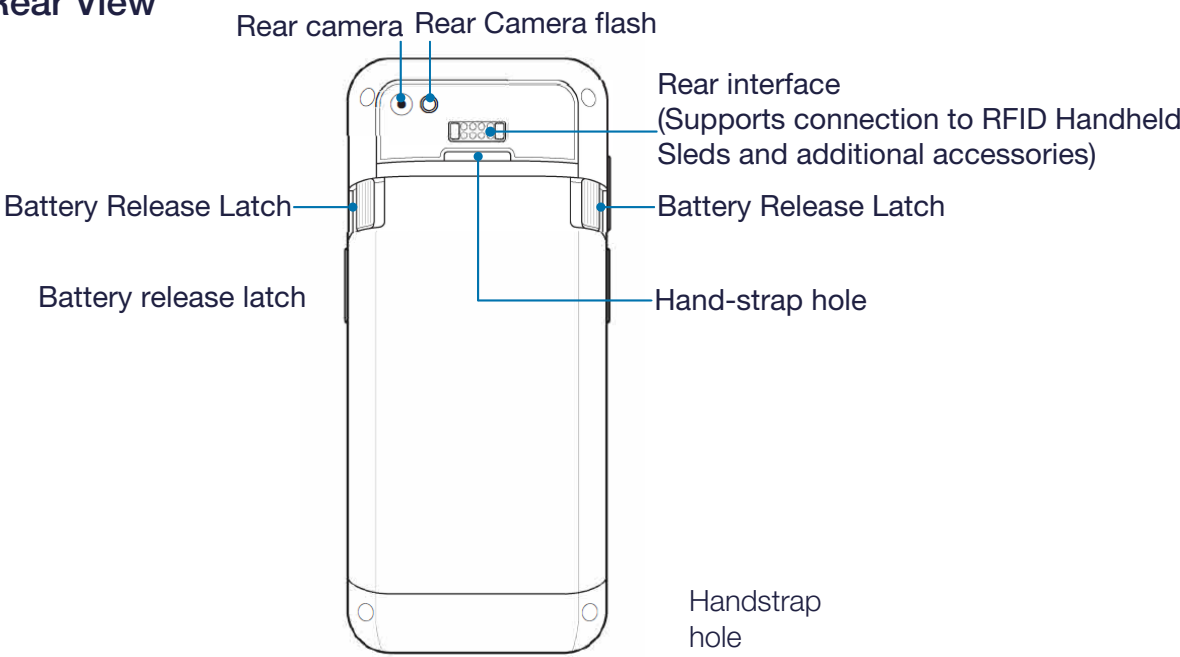


2.2 Your Device

2.2.1 S50 Front View



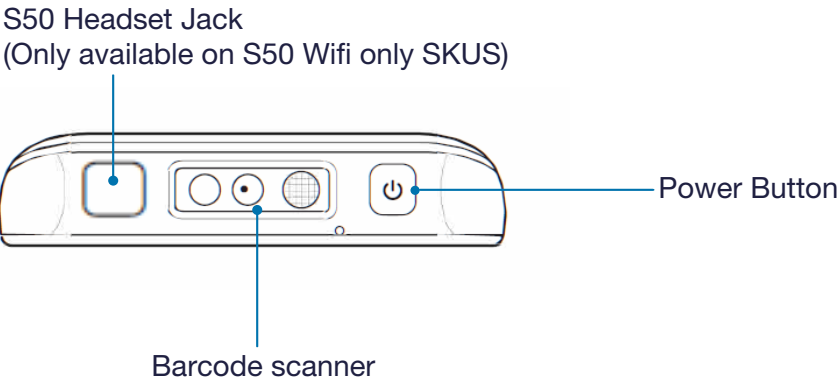
2.2.2 S50 Rear View



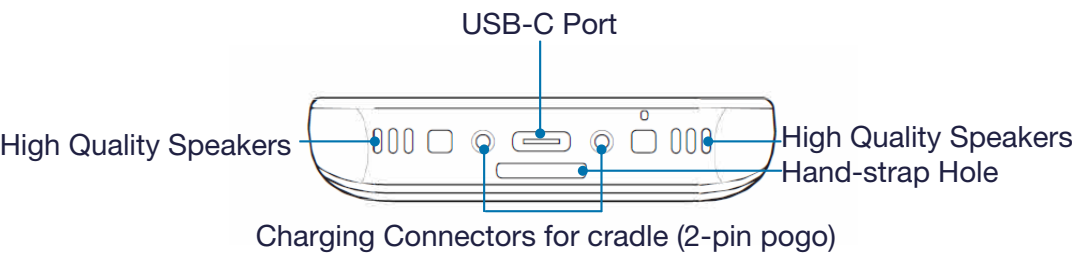


## 2.2.3 Top and Bottom

### -S50 Top View



### -S50 Bottom View

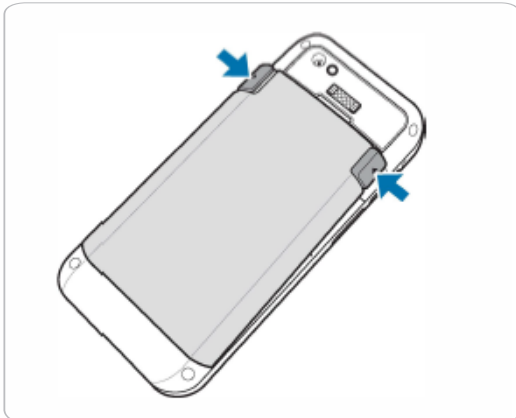




### 3.1 Installing the Cards

#### 3.1.1 Inserting a Nano SIM card

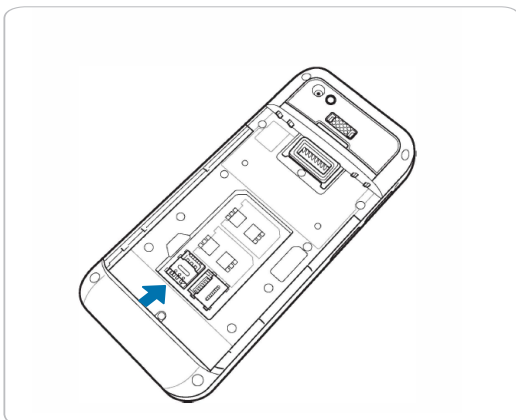
- 1 Push the battery latches to remove the battery



- 2 Remove the SIM and Micro SD Cover



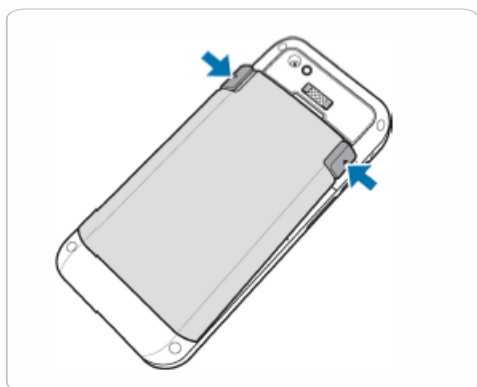
- 3 Insert the nano sim card into the card slot.





## 3.1.2 Inserting a Micro SD Card

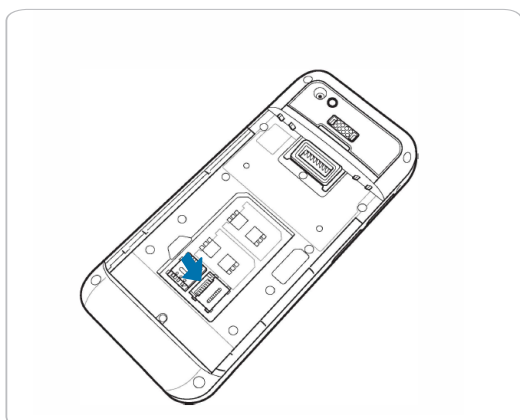
- 1 Push the battery latches to remove the battery



- 2 Remove the SIM and Micro SD Cover



- 3 Insert the Micro SD card into the card slot.

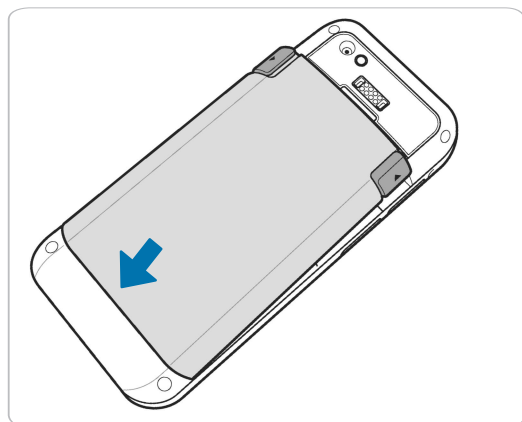




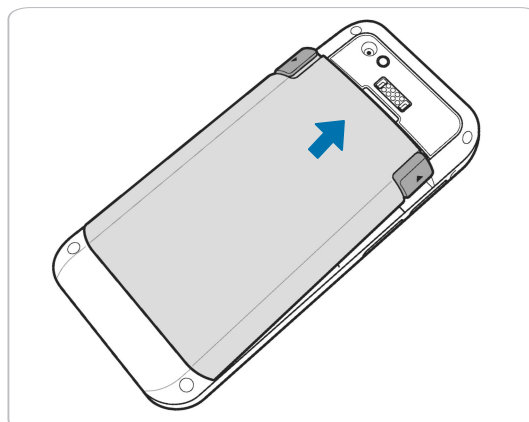
### 3.2 Battery

#### 3.2.1 Installing the Battery

1 Insert the bottom part of the battery into place



2 Push the top section of the battery





### 3.2.2 Removing the Battery

Push both battery latches to open the battery cover.



Before removing the battery, turn off the power. Failure to do so may cause damage to the device.

### 3.2.3 Charging the Battery

1 Connect the USB-C cable to the USB-C Cable port. The port is located on the bottom section of the S50 device.

- The battery charging image appears on the screen.

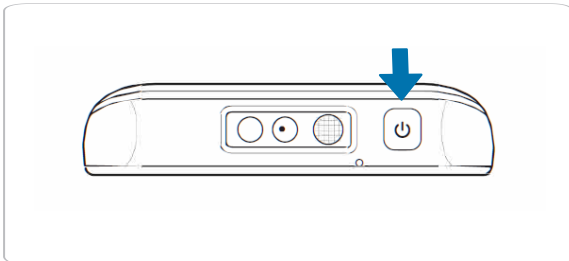
2 Connect the USB-C to A cable to the power adapter and then plug the power adapter into a power outlet.



### 4.1 Turning the Device On or Off

#### 4.1.1 Turning the Device On

Press and hold the Power button for a few seconds. The Power button is located on the top section of the S50 device.



#### 4.1.2 Turning the Device Off

- 1 Press and hold the Power button for a few seconds.
- 2 Tap **Power off**.



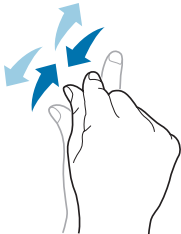
- To turn the screen on or off, press the Power button.
- Registering the accounts without turning on the Wi-Fi may incur extra charges depending on your data plan.



## 4.2 Using the Touchscreen

Use finger gestures to use the touchscreen effectively.

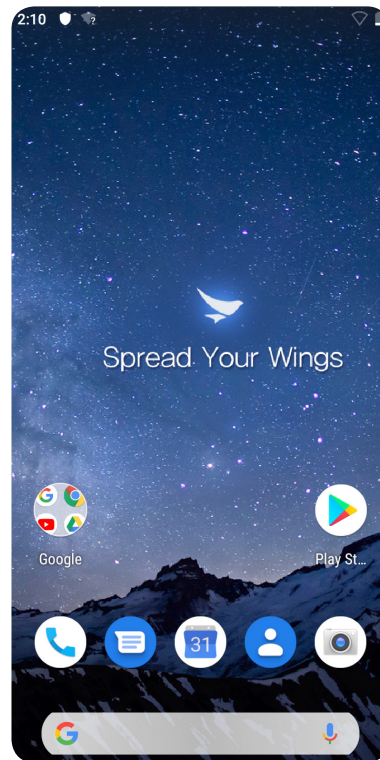
-  Do not touch the screen with any sharp objects.
- Do not apply too much pressure to the touchscreen.

| 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.                                         |

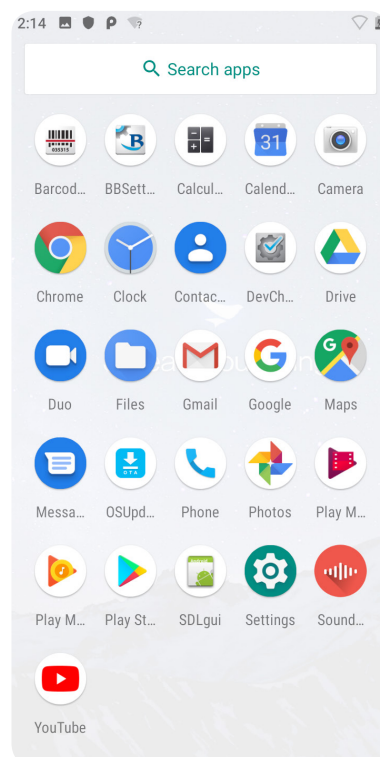


## 4.3 Using the Home Screen

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



Drag upward from the bottom of the screen. Applications will be displayed on the screen. To view other pages, swipe left or right.





## 4.4 Connecting to a Wi-Fi Network

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.

## 4.5 Connecting to a Bluetooth Device

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.



## 4.6 Battery Hot Swap

-This device supports Battery Hot Swap function.

-Battery Hot Swap is a function to replace the battery with a spare battery while using the device without Power Off.

Battery hot swap operation procedure:

- 1 Turn the off LCD by pressing the power button.
- 2 Push the battery latches to remove the battery
- 3 After replacing the battery, place the battery into place.
- 4 To use the device, press the power button and check that the LCD is turned on.



- Before hot swap, turn the LCD screen off by using the Power button.
- The hot swap battery required for this function keeps charging while the device is turned on, and it stops when fully charged.
- When you use the device for the first time, it is recommended to use the device after charging it in the Power On mode for at least 3 hours.



- Do not use Hot Swap within 3 minutes of the initial booting of the device.
- After removing the battery used for Hot Swap, replace it with a fully charged spare battery within 2 minutes.
- In case that the battery is not replaced for 10 minutes after removing the battery for Hot Swap, the device will automatically power off to prevent discharge of the hot swap battery. At this time, you need to be careful as data loss may occur.
- Do not replace SIM, SAM, or MicroSD Card while Hot Swap is in progress.
- Re-run at least 15 minutes later after running Battery Hot Swap.

## 5 Device Specification



### Physical Characteristics

|                        |                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (W x H x D) | 166.8 x78.3(Grip :77.34) x 16.71 mm                                                                                                                                                                                                                                                                                                   |
| Weight                 | 290g with standard battery                                                                                                                                                                                                                                                                                                            |
| Display                | 6.0" FHD+ (1080 x 2160)                                                                                                                                                                                                                                                                                                               |
| Imager Window          | Corning® Gorilla® Glass                                                                                                                                                                                                                                                                                                               |
| Touchpanel             | Dual mode capacitive touch with stylus or bare or gloved fingertip input or conductive stylus (sold separately), water droplet rejection; fingerprint resistant anti-smudge coating                                                                                                                                                   |
| Backlight              | LED backlight                                                                                                                                                                                                                                                                                                                         |
| Power                  | Rechargeable Li-Polymer, BOS™ PowerManager for realtime battery management;<br>Standard capacity 5000mAh / 19.25 Watt hours;<br>Extended capacity 7000mAh / 26.95 Watt hours;<br>*Fast charging & Hot Swap battery mode (All SKUs)<br><br>(Optional)<br>BLE Beacon Battery 5000mAh<br>Qi compatible Wireless charging battery 5000mAh |
| Hot swap               | Supported                                                                                                                                                                                                                                                                                                                             |
| Expansion Slot         | User accessible MicroSD supports up to 2TB                                                                                                                                                                                                                                                                                            |
| SIM / SAM              | WWAN SKU Only : 1 nano SIM; 1 eSIM                                                                                                                                                                                                                                                                                                    |
| Interface              | Rear : 8-pin communication connector<br>Bottom : USB-C 3.1 OTG w/ DP mode<br>2-pin Charging Connector                                                                                                                                                                                                                                 |
| Notification           | Audible tone; multi-color LEDs; Scan LED; vibration; Haptick Feedback                                                                                                                                                                                                                                                                 |
| Keypad                 | On-screen keypad and Enterprise Keyboard; power button; volume up/down buttons; dual-action side scan buttons; Dedicated PTT Button; button of trigger handle via Back I/O.                                                                                                                                                           |
| Voice and Audio        | Three microphones with noise cancellation ; vibrate alert; High-quality Dual speaker phone PTT headset USB-C support; Bluetooth wireless headset support, SWB & FB audio cellular circuit switch voice; HD voice; 3.5 mm audio jack only on WLAN SKUs                                                                                 |
| PTT Hot Key            | Supports Dedicated PTT Button                                                                                                                                                                                                                                                                                                         |



## Performance Characteristics

|                  |                                                        |
|------------------|--------------------------------------------------------|
| CPU              | Qualcomm Snapdragon™ QC6490 octa-core, 2.7GHz          |
| Operating System | Android 12;<br>upgradeable to Android 16               |
| Memory           | 6GB RAM / 64GB UFS Flash;<br>8GB RAM / 128GB UFS Flash |

## User Environment Characteristics

|                                  |                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temp                   | -20°C to 50°C / -4°F to 122°F                                                                                                                                                                                                                   |
| Storage Temp                     | -40°C to +70°C / -40°F to +158°F                                                                                                                                                                                                                |
| Humidity                         | 5% to 95% non-condensing                                                                                                                                                                                                                        |
| Drop Spec                        | Multiple 5 ft./1.5 m drops to tile over concrete<br>(-10°C to 50°C/14°F to 122°F) per MIL STD 810H<br><br>Multiple 8 ft./2.0 m drops to concrete over<br>operating temp (-20°C to 50°C/-4°F to 122°F) with<br>protective boot per MIL STD 810H; |
| Tumble Spec                      | 1000 1.6 ft./0.5 m tumbles, meets or exceeds IEC<br>tumble specification<br><br>1000 3.2 ft./1.0 m tumbles at room temperature with protective boot,<br>meets or exceeds IEC tumble specification                                               |
| Sealing                          | IP68 and IP65 per applicable IEC sealing specifications                                                                                                                                                                                         |
| Vibration                        | 4 g's PK Sine (5 Hz to 2 kHz); 0.04g <sup>2</sup> /Hz<br>Random (20 Hz to 2 kHz); 60 minute<br>duration per axis, 3 axis                                                                                                                        |
| Thermal Shock                    | -40° C to 70° C / -40° F to 158° F rapid transition                                                                                                                                                                                             |
| Electrostatic<br>Discharge (ESD) | +/-15kVdc air discharge<br>+/-8kVdc direct discharge<br>+/-8kVdc indirect discharge                                                                                                                                                             |



## Communication Options

|                 |                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WWAN Radio      | Worldwide<br>5G FR1: : n1/2/3/5/7/8/12/13/14/20/25/26/28/29/38/39/40/<br>41/48/66/71/77/78/79<br>4G : B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/<br>38/39/40/41/42/43/48/66/71<br>3G : B1/B2/B4/B5/B8/B19<br>2G : 900/1800/850/1900<br><br>Supports private networking (LTE/5G)<br>Support CBRS (US B48, Private LTE)<br>Supports 5G mmWave n257/258/260/261 (Optional) |
| WLAN Radio      | IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/<br>ax;<br>2x2 MU-MIMO; Wi-Fi™ 6E (801.11ax);<br>Wi-Fi certified;<br>Wi-Fi™ 6E Certified;<br>Dual Band Simultaneous;<br>IPv4, IPv6                                                                                                                                                                                                 |
| WLAN Data Rates | 6 GHz: 802.11ax — 20 MHz, 40 MHz, 80<br>MHz, 160 MHz — up to 2402 Mbps<br>5 GHz: 802.11a/n/ac/ax — 20 MHz, 40<br>MHz, 80 MHz, 160 MHz — up to 2402<br>Mbps;<br>2.4 GHz: 802.11b/g/n/ax — 20 MHz up<br>to 286.8 Mbps                                                                                                                                                        |
| WPAN Radio      | Bluetooth V5.0 BLE, Class 2                                                                                                                                                                                                                                                                                                                                                |

## Accessories

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories | <ul style="list-style-type: none"> <li>- Direct Charger Kit ( 5V/3A )/ Single-slot charger.</li> <li>- Single-slot USB/Ethernet charger</li> <li>- Workstation Cradle/ Four-slot charger</li> <li>- Four-slot Ethernet charger/ Standard / Extended Battery</li> <li>- Four-Slot Battery charger/ Vehicle charger</li> <li>- Hand strap/ Conductive Plastic Stylus</li> <li>- Fiber tipped stylus/ Stylus tether</li> <li>- Soft holster/ Wearable Trigger Ring</li> <li>- RFR90x Mount/ Pistol-grip trigger handle.</li> <li>- Protective Flim/ S50 Rugged Boots</li> </ul> |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Please ask your sales representative for the specifications not listed above or for future upgradeable specifications.



### **The battery does not charge properly.**

- Ensure that your device and the charging cable are connected and the charging LED is functioning correctly.
- If the battery does not charge completely, it may be dead or defective. Contact our service center. (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 water.**

Turn off the device. Place the device in a dry place. Let it 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.

## 7 Warranty and Support



### 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.



## 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    | Enterprise Full Touch Handheld Computer |
| Name of Model      | S50                                     |
| 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.

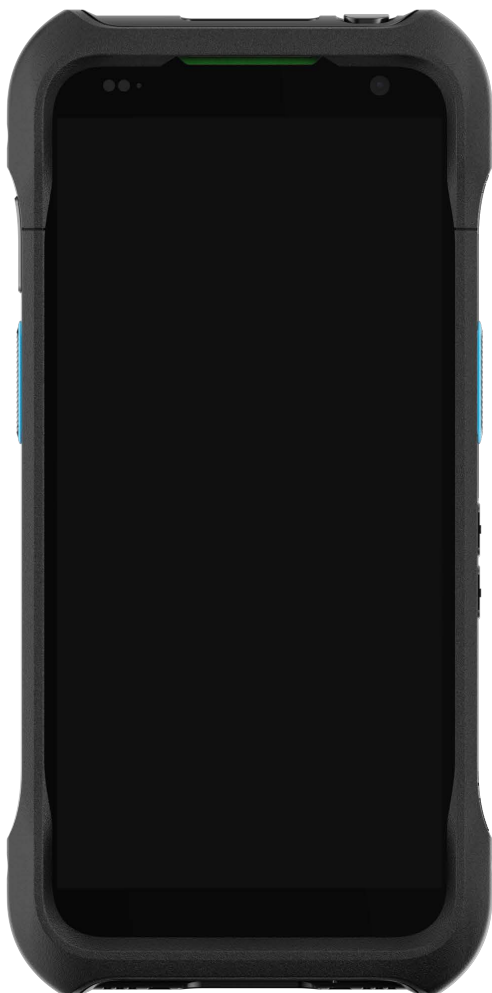
C lrcpnpggc Dsjj Rmsaf F\_lbfcbj b Amknsrcp

# S70

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## User’s Guidance

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| Device type                                               | User’s guidance                                                                                                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class B Device<br>(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.                                                     |

---

# 1 Safety Information



## 1.1 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.

## 1.2 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 -20°C and 50°C (-44°F and 122°F), and humidity level 95%.



## 1.3 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.

## 1.4 Charging



- Use only the approved charger. Using an incompatible charger may cause device malfunction or other damage, such as fire.
- Charge the battery at least once a year. If you keep it without charging for a long time, it may cause device malfunction.

## 1.5 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.

## 1.6 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.

## 2 Overview

---



### 2.1 Package Contents

The package includes:

#### S70



S70 Device and Battery

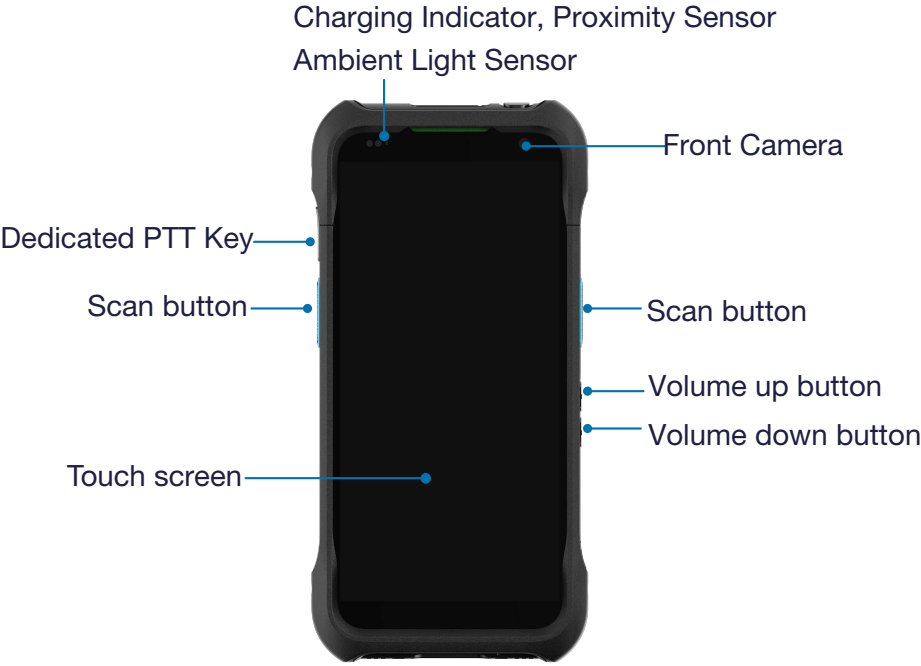


The illustrations may differ from your actual items.



## 2.2 Your Device

### 2.2.1 S70 Front View



### 2.2.2 S70 Rear View



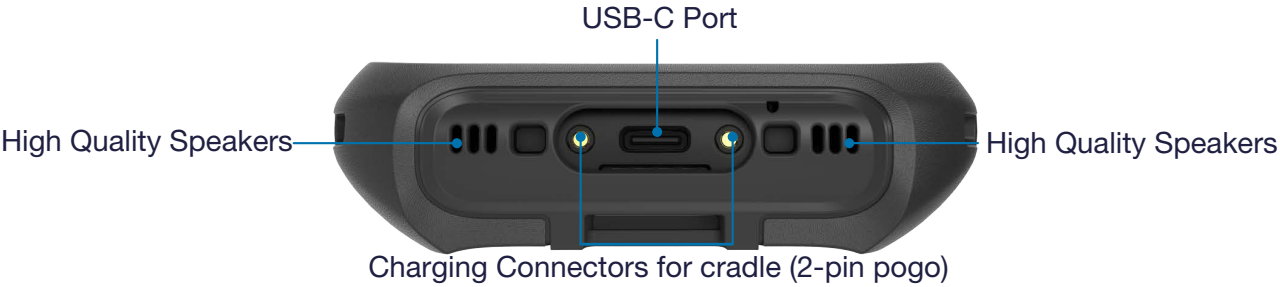


## 2.2.3 Top and Bottom

### S70 Top View



### S70 Bottom View



## 3 Getting Started



### 3.1 Installing the Cards

#### 3.1.1 Inserting a Nano SIM card

- 1 Push the battery latches to remove the battery



- 2 Remove the SIM and Micro SD Cover



- 3 Insert the nano sim card into the card slot.





## 3.1.2 Inserting a Micro SD Card

- 1 Push the battery latches to remove the battery



- 2 Remove the SIM and Micro SD Cover



- 3 Insert the Micro SD card into the card slot.





## Industry Canada statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1) this device may not cause interference, and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- 1) l'appareil ne doit pas produire de brouillage, et
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with RSS-310 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.

Cet appareil est conforme à la norme RSS-310 d'Industrie Canada. L'opération est soumise à la condition que cet appareil ne provoque aucune interférence nuisible.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

The County Code Selection feature is disabled for products marketed in the US/ Canada.

La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

## Body-worn Operation

This device was tested for typical use with the Front/back of the device kept 0.39 inches (1.0 cm) from the body.

To comply with RF exposure requirements, a minimum separation distance of 0.39 inches (1.0 cm) must be maintained between the user's body and the Front/back of the device.

Any belt-clips, holsters, and similar accessories containing metallic components may not be used.

Avoid the use of accessories that cannot maintain 0.39 inches (1.0 cm) distance between the user's body and the Front/back of the device and have not been tested for compliance with RF exposure limits.

- Head : 1.12 W/kg

Body-Worn : 0.78 W/kg Hotspot : 1.18

W/kg Phablet(Extremity) : 1.95 W/kg

FOR PORTABLE DEVICE (<20cm from body / SAR needed)

Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Additional statement for phones:

This device has been tested for compliance with IC SAR values at a typical operating near the body. To ensure that RF exposure levels below the levels tested, use accessories with this equipment to maintain a minimum separation distance of 1 cm between the body of the user and the device. These accessories should not contain metallic components. It is possible that the accessories used close to the body that do not meet these requirements are not consistent with the SAR limits and it is advisable to avoid using them.

Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les États-Unis et le Canada tabliées pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

Additional statement for phones:

Ce dispositif a été testé pour la conformité avec les valeurs SAR à un fonctionnement typique près du corps. Pour assurer que les niveaux d'exposition aux radiofréquences en dessous des niveaux testés, utiliser des accessoires avec cet équipement pour maintenir une distance de séparation minimale de 1 cm entre le corps de l'utilisateur et l'appareil. Ces accessoires ne doivent pas contenir des composants métalliques. Il est possible que les accessoires utilisés près du corps qui ne répondent pas à ces exigences ne sont pas compatibles avec les limites SAR et il est conseillé d'éviter de les utiliser.

FOR WLAN 5GHZ DEVICE:

Caution :

- 1) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- 2) the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall comply with the e.i.r.p. limit; and
- 3) the maximum antenna gain permitted for devices in the band 5725–5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
- 4) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated. <for 5G B2 with DFS devices only>
- 5) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

- 1) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- 2) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;
- 3) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
- 4) les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués. <for 5G B2 with DFS devices only>
- 5) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

FOR TELECOMM DEVICE:

This product meets the applicable Industry Canada technical specifications. The Ringer Equivalence Number (REN) is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices not exceed five.

Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada. L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas cinq.



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