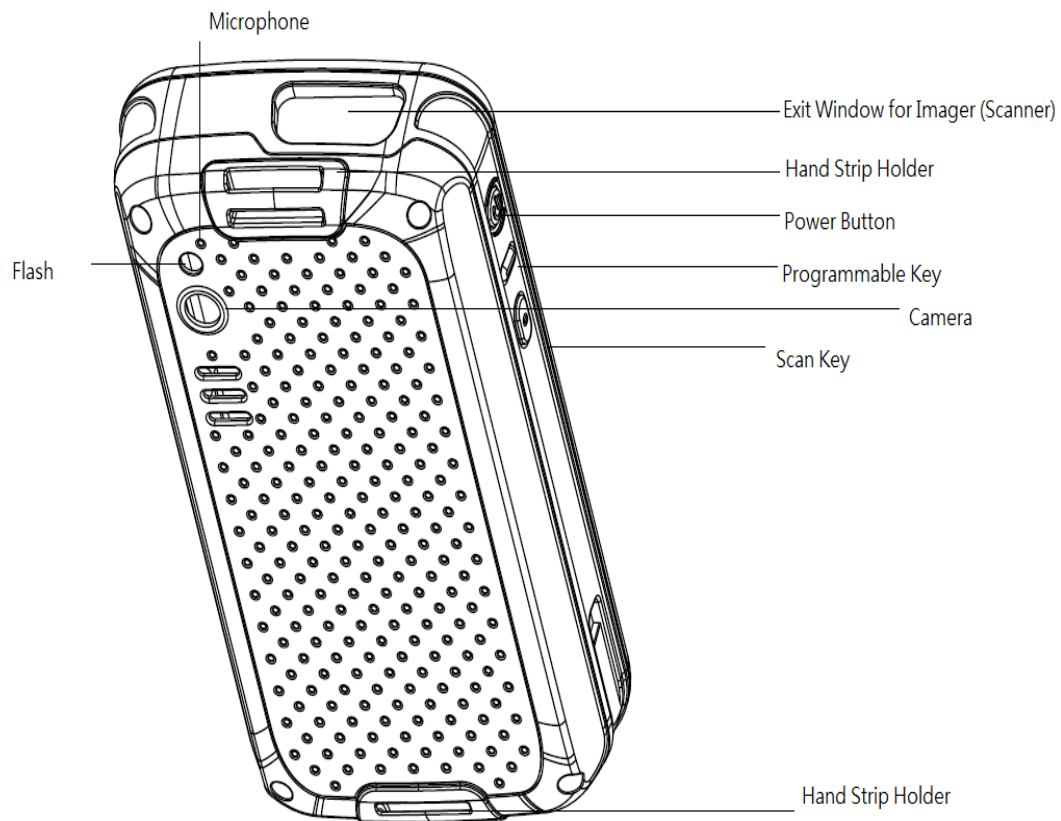
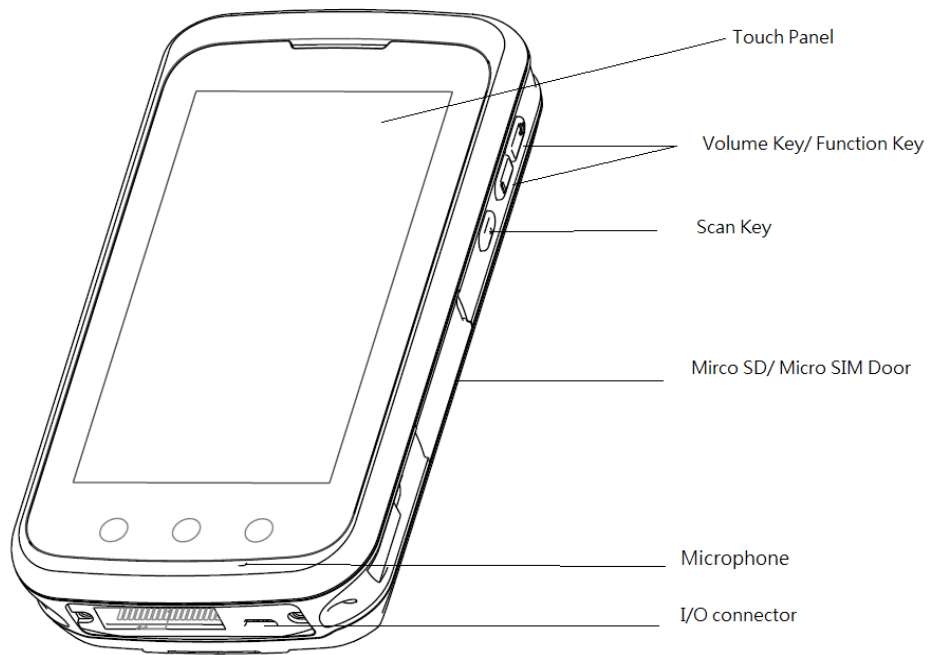


Z-2242 / Z-2240

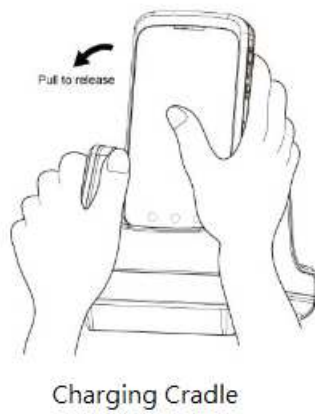
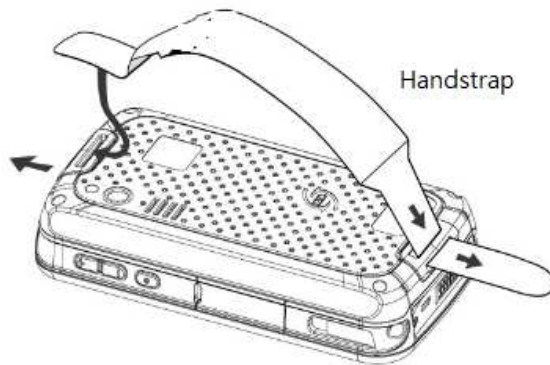
QUICK START & REGULATORY GUIDE



Product Features:



Accessory Option :



| Item | Description |
|-------------------------------------|---|
| System | |
| Processor | Qualcomm MSM8960 Dual Core 1.5GHz |
| Android OS | Android Jeally Bean 4.2.2 |
| Memory | 1GB LPDDR2 SDRAM |
| Storage | Internal 8GB eMMC Flash |
| (To be continued) | |
| | |
| Display, Camera and Scanning | |
| Display | Size: 4.5" Resolution: WVGA 720(W)*1280(H) Display Type: TFT, Transmissive Contrast ratio: 900 (Typ) Brightness: 400 nits (Typ) Backlight Type: LED Viewing Angle: 80/80/80/80 (typ), Full viewing (IPS) |
| Touch Panel | Capacitive Type, 5-point multiple touch, OGS Glass: Dragontail, Anti-explosion, Wet Finger touch, Strengthen Glass |
| Scanner | Opticon MDI-3100-SR 1D/2D Barcode Hardware decode, CMOS sensor (black and white) Light source: Red*2 (auxiliary), Green*1 (aiming) Effective pixel 752(H)x 480(V) dot Aiming distance: L=110+/-20mm(from front edge of camera module) Image capture speed: 60 fps Supported barcode types: UPC-A/E/E1/addon 2/5, EAN-13/addon 2/5, EAN-8/addon 2/5, Code 39, Tri-optic, Codebar, Industrial 2 of 5, Interleaved 2 to 5, S-code, Matrix 2 of 5, Chinese Post Matrix 2 of 5, Korean Postal Authority, Intelligent Mail, POSTNET, Japanese Postal, IATA, MSI/Plessey, Telepen, UK/ Plessey, Code 128/GSI 128, CODE 93, CODE 11, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded, Codeablock F, DataMatrix ECC200, DataMatrix ECC000-140, Aztec Code, Aztec Runes, Chinese |

| | |
|---------------------------------------|---|
| | Sensible Code, QR Code, Micro QR Code, Maxi Code, PDF 417, Micro PDF417, GS1 DataBar Composite, UPC/EAN Composite. |
| Front Camera | No |
| Rear Camera | Sensor OmniVision MT9E013 Resolution: 8MP (3264H*2448V) Angle of view: 74.5°C Auto-Focus Type: VCM(Voice Coil Motor) Focus Range: 10cm~ Infinity Automatic Mode : AEC (Auto exposure Control), AGC (Auto Gain Control), AWB (Auto White Balance), |
| Communication and WLAN network | |
| Radio | Support Voice Call - UMTS 1/3/5/8 (2100/1800/850/900MHz) - GSM 850/900/1800/1900 |
| GPS | Qualcomm GPS One Gen8, AGPS, Glonass |
| Bluetooth | 4.0 Class II EDR Profile: PAN, HSP, HID, FTP, DUN, A2DP, AVRCP and OPP profiles |
| WLAN | 802.11 a/b/g/n Dual Band (2.4G/5G), Wi-Fi direct, Wi-Fi hotspot (2.4G) |
| NFC | NXP PN547 NFC detect range: 0~4cm Card type: ISO/ICE 14443A/MIFARE; Jewel/Topaz tags; FeliCa cards; ISO/IEC 14443B; ISO/IEC 15693/ICODE |
| Power | |
| Battery Capacity | 3450 mAh (3.7V) |
| Battery removable | Non-removable |
| Battery Charging Time | 4.5 hours |
| Battery Life | 10 hours ¹ |
| Reset Function | Physical key under micro SD door |

¹ Conditional and vary depending on different user scenario.

| | |
|-----------------------------------|---|
| Charging method | (1) AC adaptor charging (via micro USB) (2) docking station charging (no sleeve charging) (3) battery cartridge |
| Wireless charger (Optional) | Qi (WPC V1.1) Compliant Power Supply |
| RTC | Yes |
| Peripheral | |
| Sensors | 3-axis accelerometer Proximity sensor Ambient light sensor Magnetometer Gyroscope GPS |
| Indicator | 2pcs (Indication of battery full, low battery, charging(including wireless charging) and BT) |
| Receiver | 1pcs |
| Audio Jack | N/A |
| Vibrator | 1pcs |
| Speaker | 1pcs |
| Microphone | 2pcs |
| I/O | |
| Extension port | On main board (internal). Please see pin define in Appendix 1 (P.13) |
| Micro USB | 1pcs, OTG, software upgrade, battery charging |
| SD Card | Micro SD (SDHC can support up to 64GB) |
| SIM card | Micro Dual SIM sockets |
| Buttons | Power*1 Volume (up and down) Programmable key*3pcs (original scan key*2pcs, original P key*1pcs) |
| Mechanical and Environment | |
| Dimension | L 149.87 x W 80.24 x T 30.61 mm |
| Weight | 345g |

| | |
|---|--|
| Ingress Protection | IP65 |
| Drop | 1.5M on poly wood, 6 drops |
| ESD | Air: $\pm 8\text{KV}$ Contact: $\pm 4\text{KV}$ |
| Operating Temperature (include LCM and battery) | 0°C~ 45°C battery in charging mode -20°C+60°C battery in discharging mode |
| Storage Temperature | -20~+60°C |
| Accessories (in package) | |
| Adaptor Jack | 1pcs, 5.35V/2A |
| Micro USB to USB Cable | 1pcs, 100cm |
| Hand strap | 1pcs |
| | |

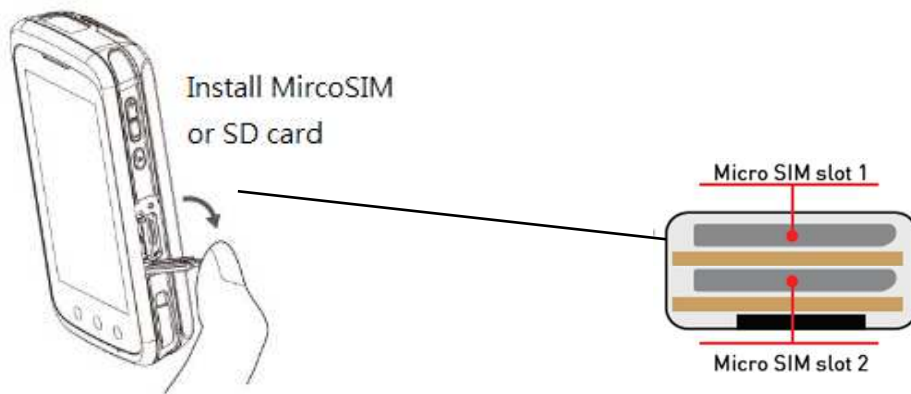
Micro SD / Micro SIM Card Installation

Open Micro SD/Micro SIM door, insert the Micro SD into slot.

Insert Micro SIM into SIM slot.

(**Note:** SIM 1 is set as default network connection; SIM switch: Go to “Settings” in Android system → “SIM SWITCH” → “Choose SIM” → “SIM 2”)

Close the door after installation.

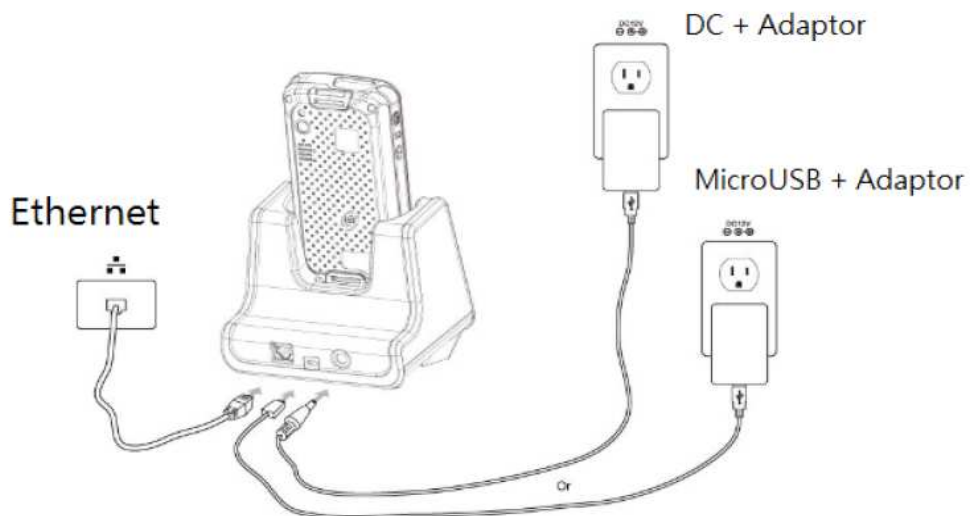


Getting Started

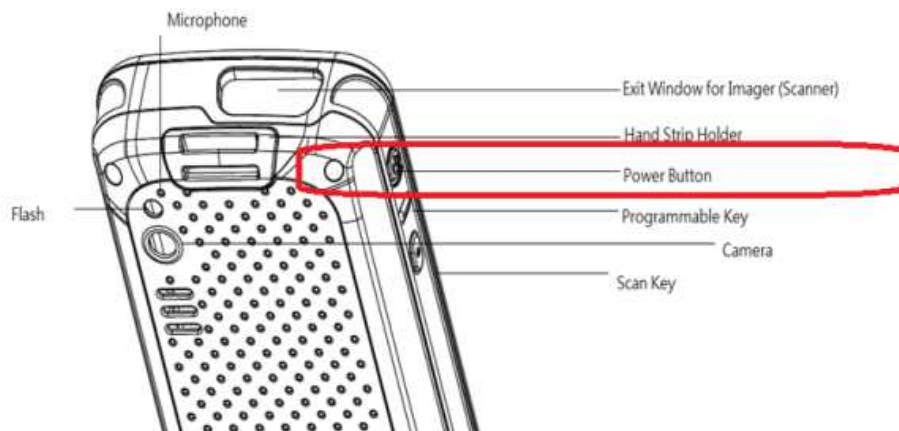
- Charge the battery

Before using the Z-2242 / Z-2240, charge the battery using one of the following accessories approved by ZEBEX:

- Micro USB cable through PC
- Micro USB cable + Power Adaptor Jack
- Cradle Charging + DC Power Cable + Power Adaptor Jack



- Started Z-2242 / Z-2240
Power On Z-2242 / Z-2240
Press and release the power button



LED blinks in red indicating low and risk battery and stating red indicating that the battery is charging. The LED becomes green when battery is fully charged, then.

Note:

Device turns to the modes as below by pressing power button key.

Suspend Mode

Press and release the power button to place the Z-2242 / Z-2240 in suspend mode. In suspend mode the device turns off the display and goes into a low power state to conserve battery power.

Power Off

To Power off the Z-2242 / Z-2240, press and hold the button until the device option dialog box appears, choose “**Power off**”. When the Power off dialog box appears, tap “**OK**”.

Reset

Reset the Z-2242 / Z-2240 if application stop responding. Press and hold the power button until the device options dialog box appears then touch Reset.

Hardware Reset

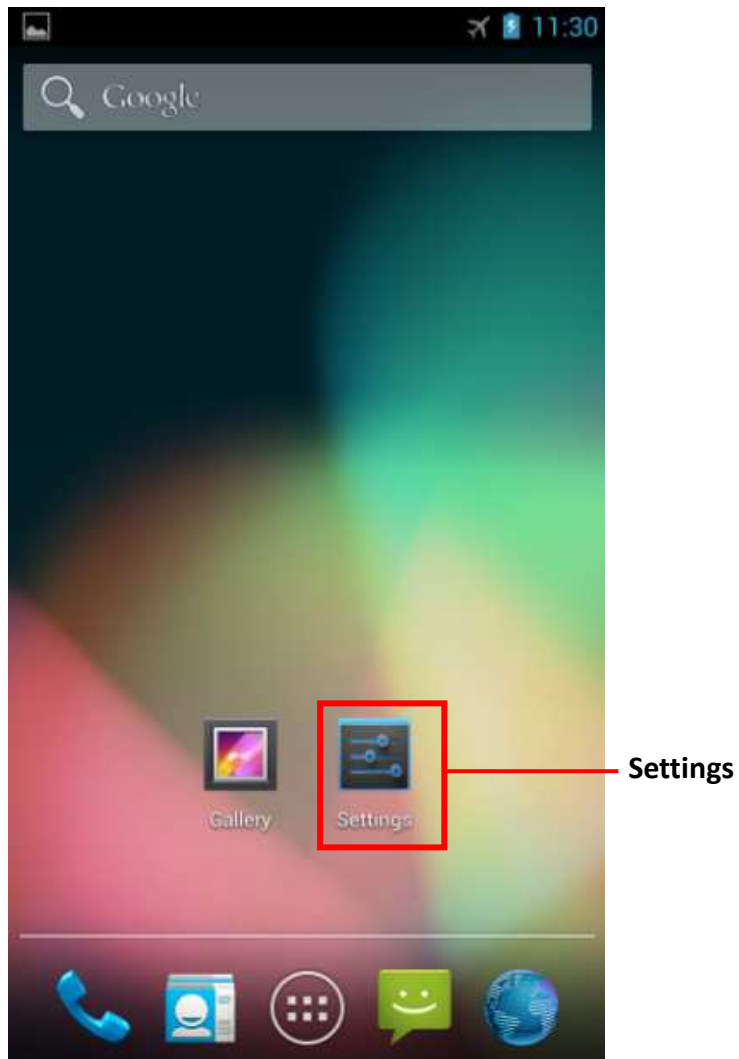
If the Z-2242 / Z-2240 stop responding, perform a hardware reset by long press power button.

Data Capture

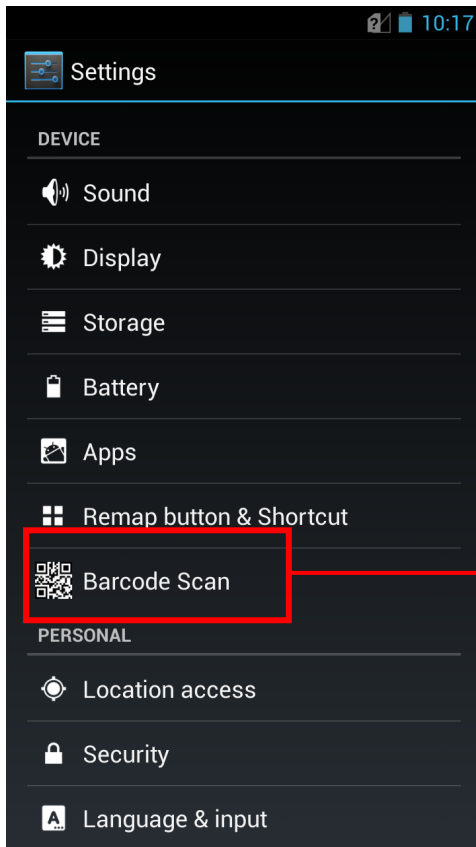
- Scan a Bar Code with Imager

1. Switch on the barcode

Go to **“Settings”** → find Barcode Scan → Slide Barcode Scan to **“ON”**

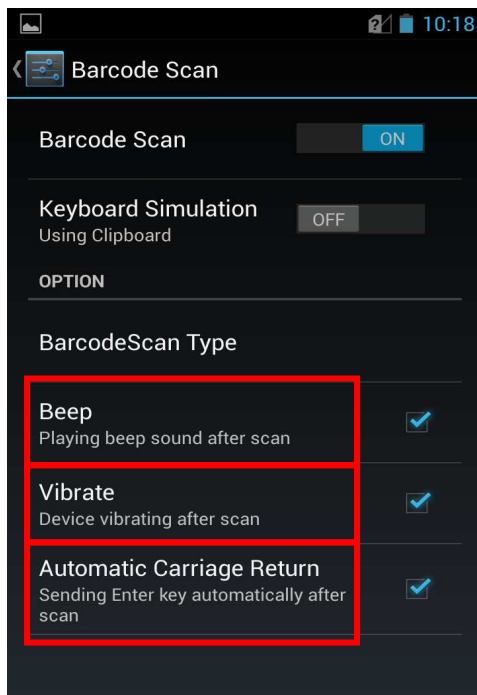


- Go to “BarcodeScan” Type: To choose Barcode type



Barcode Scan

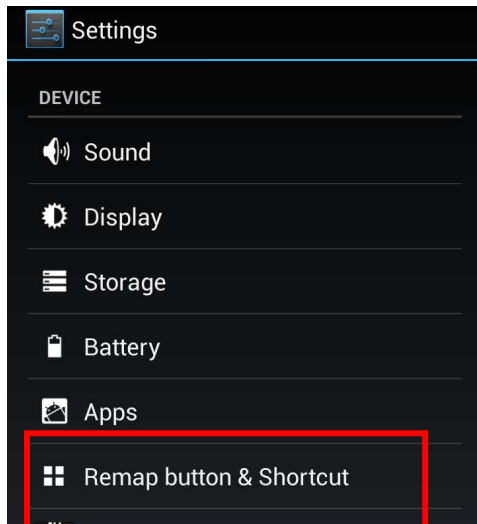
- Select “ **Beep**”: To have beep sound after scan
- Select” **Vibrate**”: Need device vibration after scan
- Select” **Automatic Carriage Return**” → Require to send enter key automatically after scan



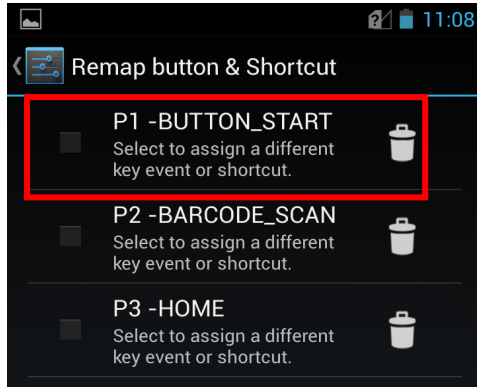
2. Launch a bar code reading application or use Data Wedge.
3. Point the exit window at the bar code
4. Press and hold the two side Scan button

Left/Right Side Key Set-up:

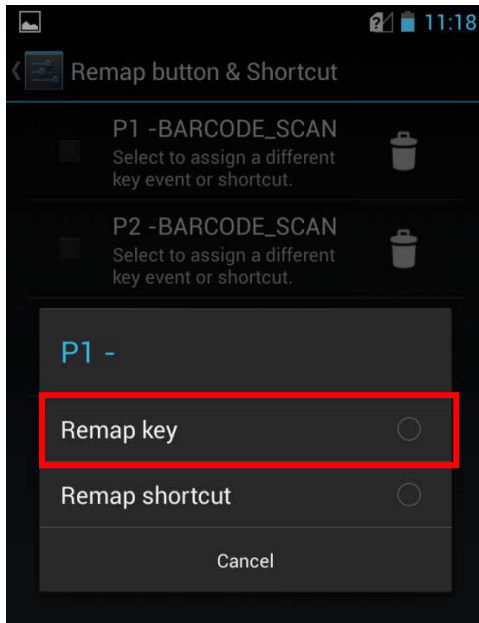
Go to **“Settings”** → Select **“Remap button & Shortcut”**



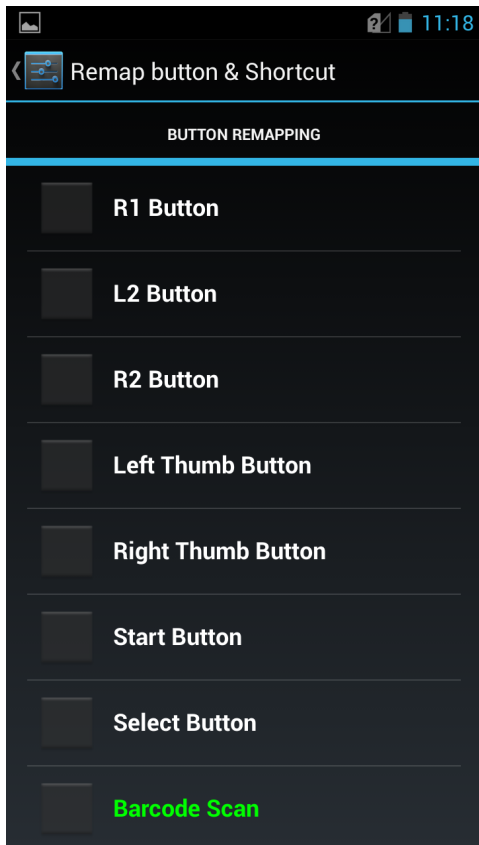
Select **“P1”**



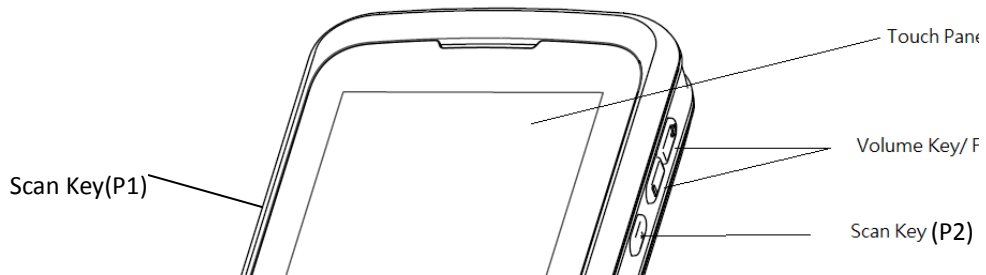
Select Remap Key→



Choose "Barcode Scan"



Select "P2" → Remap Key → choose "Barcode Scan"



5. The red laser aiming pattern turns on to assist in aiming, scan ready when beep sounds.
6. Release the scan button.



- Scan a Bar Code with Camera

Using the rear camera to scan bar code.

1. Launch a bar code reading application or use Data Wedge.
2. Point the back of the Z-2242 / Z-2240 at the bar code.
3. Press the scan button

Photo & Videos

Using the rear camera to take photos and capture video.

Note: Ensure device memory or extend Micro SD card is space is available.

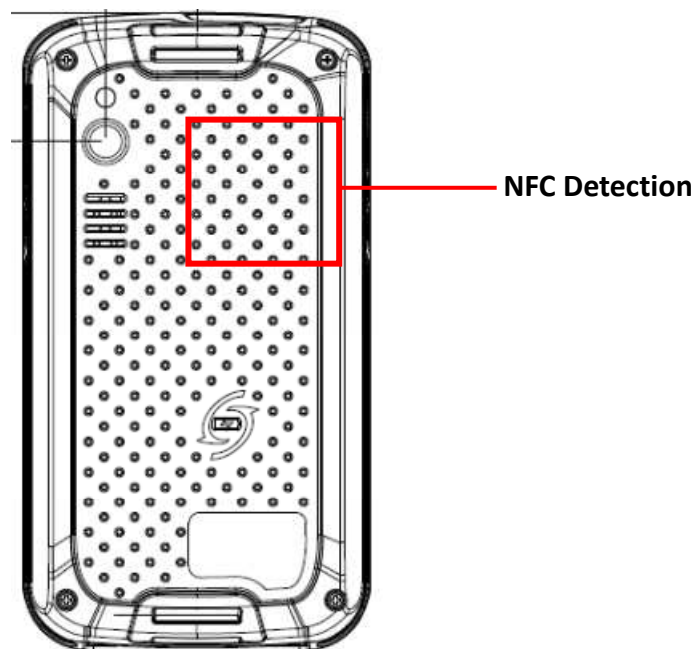


GPS Information

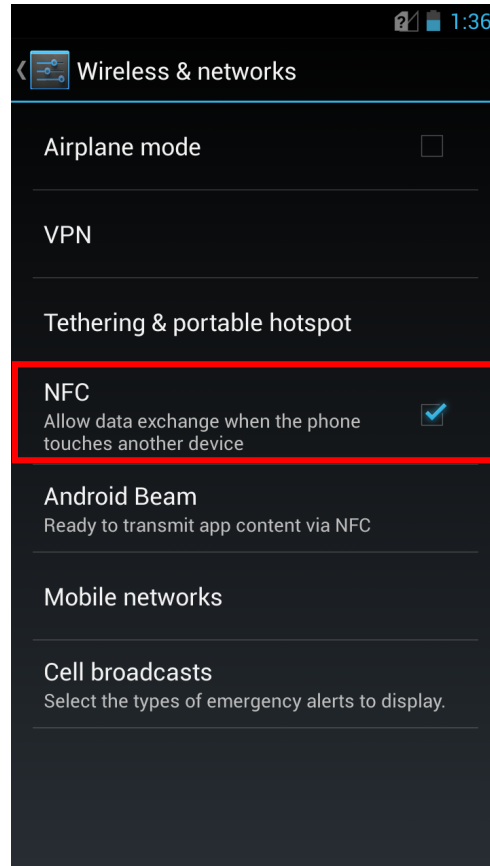
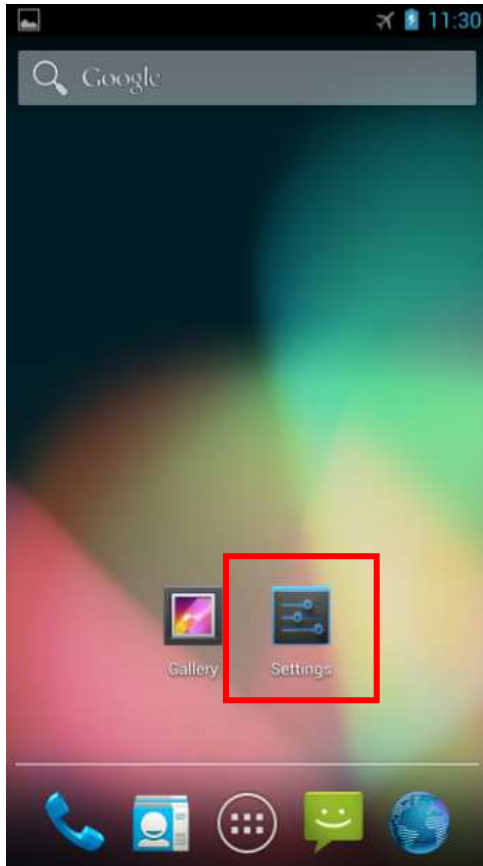
- Acquiring satellite signals may take a few minutes.
- Without a clear view, acquisition takes longer and possible unable to catch the position quickly.
- Turn off GPS application if no use.

Near Field Communication (NFC) Feature

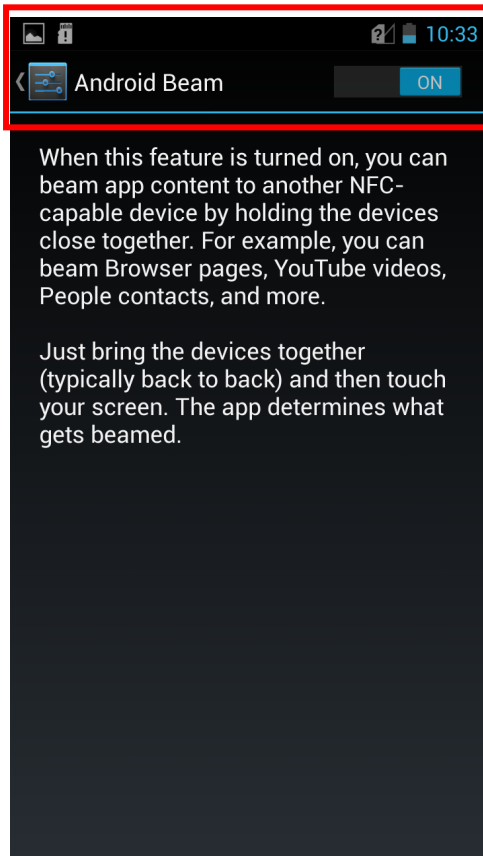
Allow Data exchange in short-range (less than 4cm) when the phone touches another device. The NFC areas, being of both a phone and other NFC compatible device (ex: tags, reader, phones and so on.), should be close to one another for communication.



- Enable NFC Feature
Go to **“Settings”** → Tick **“NFC”**



- Enable Android Beam



Slide to "ON"

When this feature is turned on, you can beam app content to another NFC-capable device by holding the devices close together. For example, you can beam Browser pages, YouTube videos, People contacts, and more.

Just bring the devices together (typically back to back) and then touch your screen. The app determines what gets beamed.

Regulatory Information

- Caution: Only use ZEBEX approved accessories.

Wireless Device Country Approval

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) are approved for use in the European countries under CE coverage.

For 2.4GHz or 5GHz products : Europe includes Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherland, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Caution: Operation of the device without regulatory approval is illegal.

Country Roaming

This device incorporates the international roaming feature which will ensure the product operates on the correct channels for the particular country of use.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

The product comply with the FCC 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.

For body-worn operating conditions please use belt-clips, holsters, and/or accessories that have no metallic component in the assembly and must provide at least 1cm separation between the device and the user's body.

Warnings of Use Wireless Devices

Please observe warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres – Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

Safety in Aircraft

Turn off your wireless device whenever you are instructed to do so by airport or airline staff.

Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment. Wireless devices should be switched off whenever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Safety Information – Europe

This device was tested for typical body-worn operation. Use only ZEBEX tested and approved accessories to ensure EU compliance.

Laser Devices

Class 2 laser scanners use a lower power, visible light diode. As with any very bright light source, such as the sun , the user should avoid staring directly into the light beam. Momentary exposure to a class 2 laser is not known to be harmful.

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Power Adaptor

- Use only a Z-2242 / Z-2240 approved Power Adaptor with electrical ratings :
Output 5Vdc, min 2A, with a maximum ambient temperature of at least 45°C .
- Use of alternative power adaptor will invalidate any approvals given to this device and maybe dangerous.

Battery Information

Use only a ZEBEX approved batteries.

When batteries are stores over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries at half of full charge in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half of full charge.

Batty Safety

- The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken where the device is charged in a non-commercial environment.
- Follow battery usage, storage, and charging guidelines found in the user guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- To charge the device battery, the battery and charger temperature must be between 0°C~+50°C
- Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or the hazard.
- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
- Battery usage by children should be supervised.
- Please follow local regulations to promptly dispose of used re-chargeable batteries.
- Do not dispose of batteries in fire.
- Seek medical advice immediately if a battery has been swallowed. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.

Marking and European Economic Area (EEA)

Frequency of Operation

The use of 2.4 GHz WLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 - 2.4835 GHz
- France, outside usage is restricted to 2.4 - 2.454 GHz.
- Italy requires a user license for outside usage. Bluetooth[®] Wireless Technology for use through the EEA has the following restrictions:
- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, outside usage is restricted to 10mW EIRP
- Italy requires a user license for outside usage.