

Thanks for you use Generalscan all series barocde scanner product!
Please be sure to read this quick start guide before you use our product in first time.

Optimal Scanning Distance

GS-M100BT and GS-R1000BT series bluetooth barcode scanner's best scanning distance is between 5 cm to 20 cm which depend on the density of barcode .

GS-M300BT series bluetooth barcode scanner are divided into high density and low density model. Optimal scanning distance of Low density model is 10-24 cm.High density model 's scanning distance is 3-7 cm .It can read higher density barcode like 3mil.

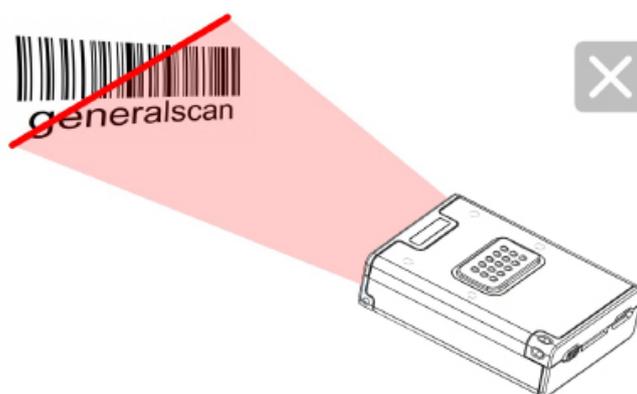
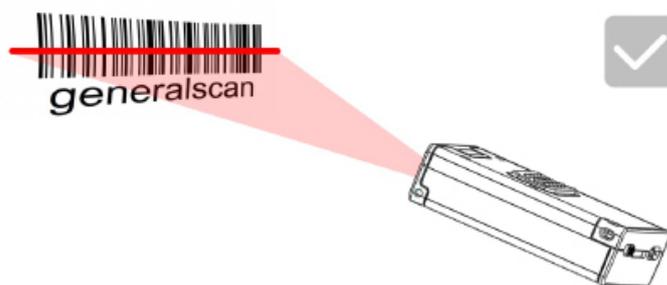
GS-M500BT series 2D bluetooth barcode scanner 's best scanning distance is 7cm -10 cm. Please scan barcode in this range to obtain the best performance.

Scanning Techniques

Please aim at the middle of the barcode through the red light when scan the barcode.

Please scan properly in accordance with the following diagram,adjust the scanner angle and distance slowly ,at the same time ,press the trigger button ,make the centre red light cover the left to right of the barcode .

Do not use the second image to scan barcode .



Charging Function

Model	GS-M100BT	GS-M300BT	GS-M500BT	GS-R1000BT
Interface	Micro-USB	Micro-USB	Micro-USB	Micro-USB
Charging Voltage	DC-5V 0.15A	DC-5V 0.15A	DC-5V 0.5A	DC-5V 0.15A
Battery Volume	500maH	300maH	600maH	350maH
Charging Time	5 hour	3 hour	5 hour	3 hour
Working Time(10s interval trigger with good decode)	12 hour	8 hour	14 hour	9 hour

Working with Mobile Phone Adapter

M series bluetooth barcode can fix on the mobile phone adapter. You can stick the adapter on the back of mobile phone protective case with magic double side sticker. So you can take the scanner with smartphone with one hand.

Please fix mobile phone adapter in the clip on the back of scanner, The steps is shown in the following figure:

Installation Step

Figure-1, Put the front of scanner into the clip of adapter

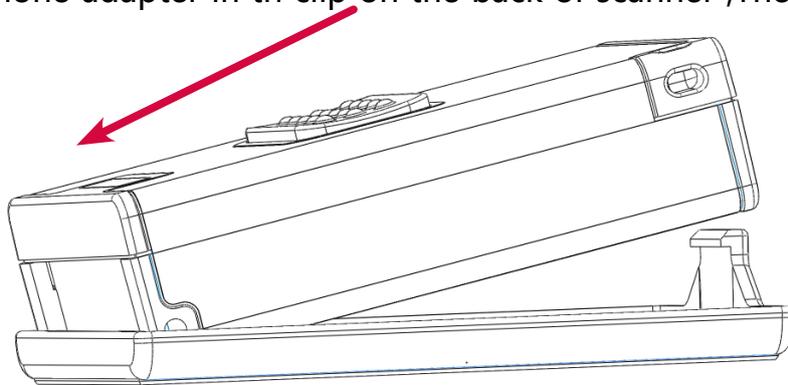


Figure-1

Figure-2, Press the bottom of scanner, make the clip of adapter claw at the scanner.

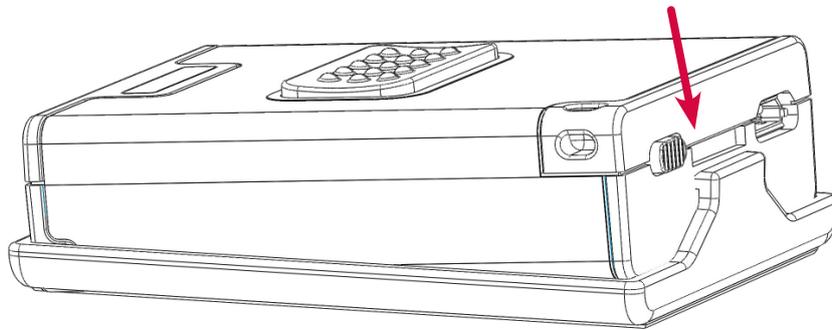


Figure-2

Dismantle Step

Figure-3, Put the clip of adapter to outside

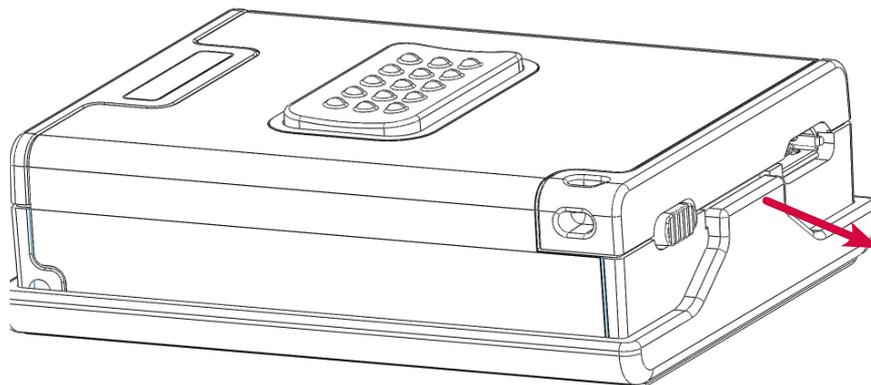


Figure-3

Figure-4, Put scanner up from the adapter and take out the scanner.

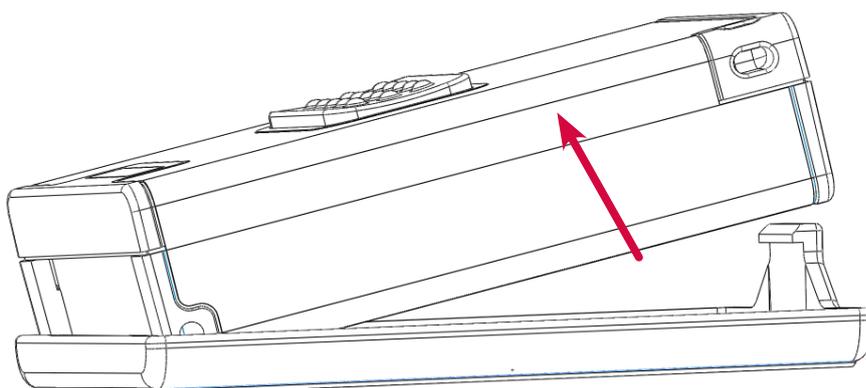
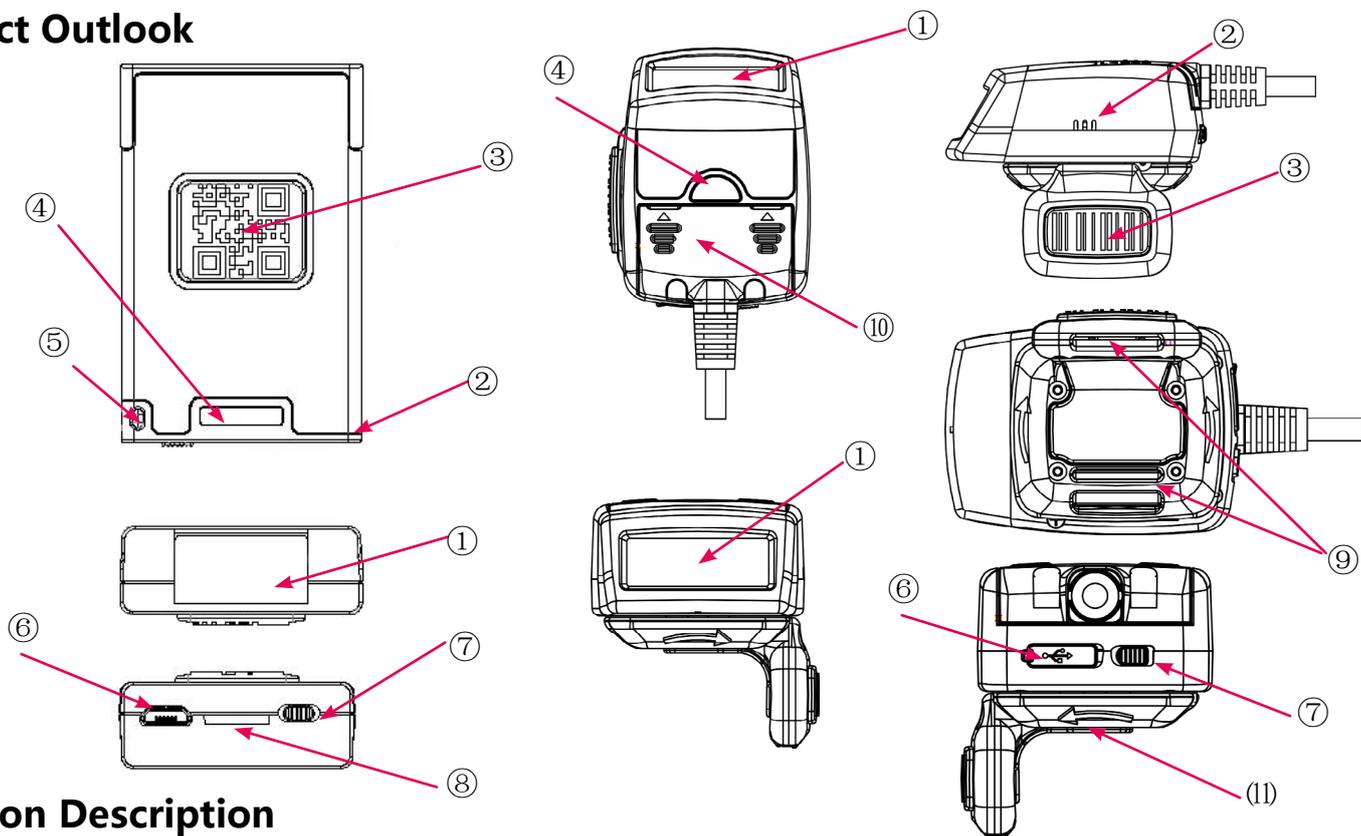


Figure-4

Product Outlook



Function Description

Item	Name	Description
1	Scanning Window	Reading barcode ,Red light or Laser will beam out from this window
2	Buzzer Hole	The buzzer will sound when good decoded : (1) Connect USB cable , buzzer will beep "b...b.b." ; (2) Good decoed : Flashing green light and buzzer one time.
3	Trigger Button	Press the trigger button to scan the barcode one time,Double click to hide and display soft keyboard in iOS device like iphone or iPad.
4	Status LED	LED has three color (Red,Green,Blue) which indicate with different scenario.Please reference the following table for detail description
5	Strap Hole	Fix strap into this hole
6	MicroUSB	Charge with bluetooth barcode scanner with Micro-USB or connect PC with USB port.
7	Power Switch	Swith to left or right to power on the scanner of turn off the scanner. Please turn off the power to save power.
8	Buckle forAdapter	Use for buckle scanner with adapter
9	Magic Strap Hole	Take the yellow magic strap through the hole to wear it on the finger
10	Battery cover	Take off the battery cover to change the battery

LED Indicator Description

Item	Status	Description
1	Green LED light flashing (with buzzer sound)	Decode success
2	Green LED light flashes continuously	Low battery alarm
3	Red LED light constant light	Charging
4	Red LED light turn off	Charging is complete
5	Red LED light flashes continuously	Built-in battery abnormal
6	Blue LED continuously flashing	Enter the Bluetooth pairing mode
7	Blue LED turn off	Bluetooth Pairing successful

Bluetooth Pairing and Data Transfer

When you first time use Generalscan GS-M series bluetooth barcode, the default data transfer interface is bluetooth, You can pairing bluetooth barcode scanner with Android, iOS, WP8 smartphone or Windows tablet. For detail instruction, please reference the following document:

<http://www.generalscan.com/pdf/BluetoothPairUserGuide-english.pdf>

When you connect with Android and iOS smartphone, please confirm the data interface is Bluetooth, If you don't confirm, please scan the following barcode to switch Bluetooth mode.



Set Bluetooth Output

The bluetooth have two transfer protocol, One is HID keyboard, You can use this protocol as a external keyboard. Android and iOS support HID, You don't need install any software to use HID. You can scan barcode into the cursor position. Please scan the following barcode to switch HID mode:



HID Mode

Another mode is SPP mode. This mode is wireless serial port mode. Android system support SPP mode, but iOS don't support this mode free, When you connect Android not successful in HID mode, please switch to SPP mode.



SPP Mode

When you connect with Android and iOS device, please scan the Enter Pairing Mode barcode first. You will see the blue LED will blink after scan Enter Pairing Mode barcode, then scan device in Android and iOS setting interface, The name of GS-M serial bluetooth barcode will display as "GS-BarcodeScanner"



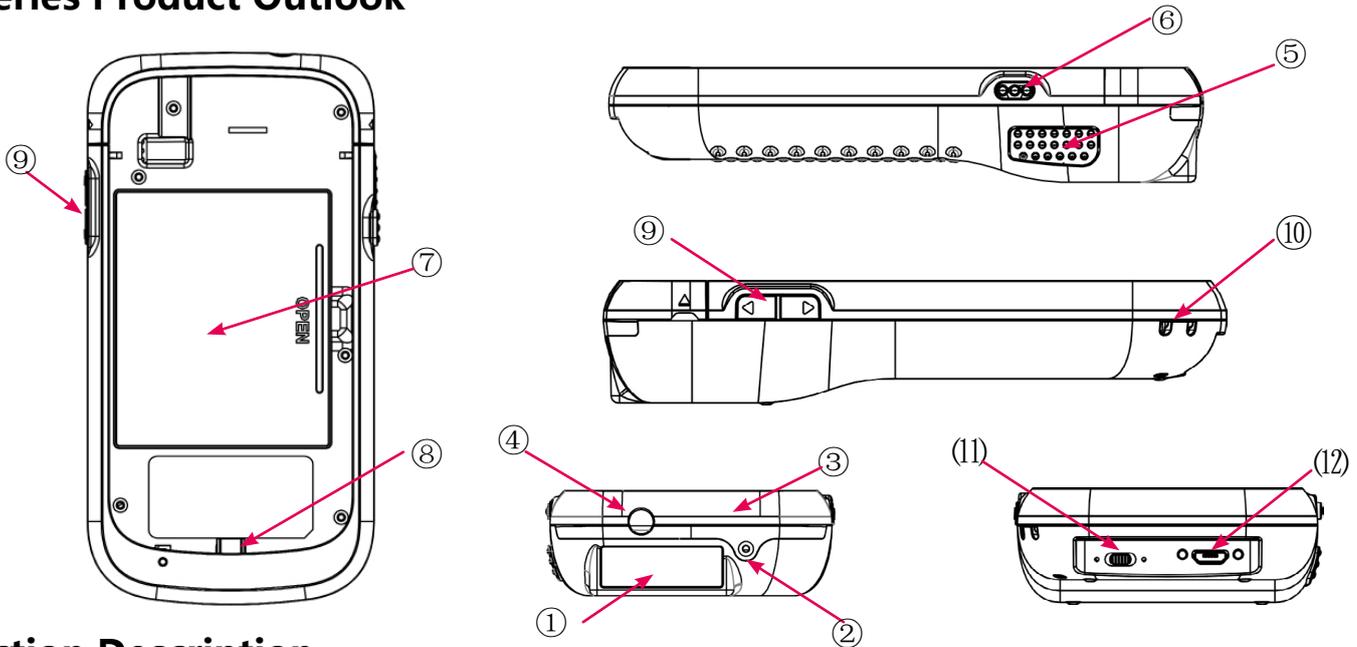
Enter Pairing Mode

After you pairing successfully, the blue LED will stop blink.

The detail pairing procedure for Android, iOS, WP8, please reference the following video:

<http://www.generalscan.com/video.php>

SL Series Product Outlook



Function Description

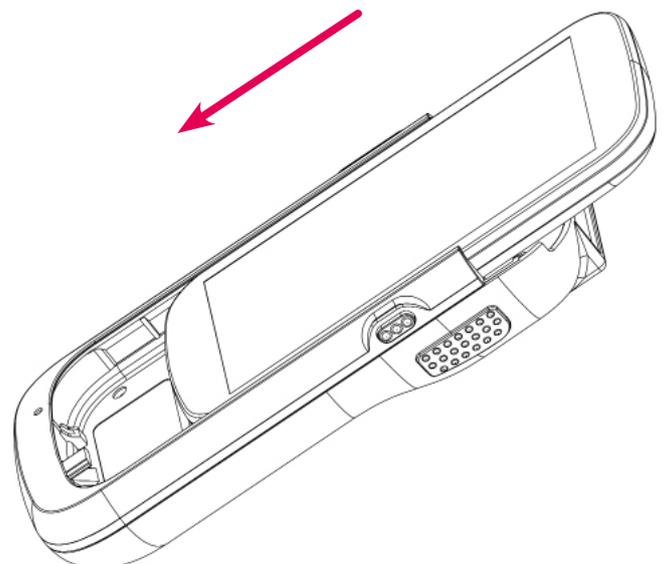
Item	Name	Description
1	Scanning Windows	Reading barcode ,Red light or Laser will beam out from this window
2	Screw Hole	Screw hole to fix the top cover
3	Top cover	To fix the smartphone in the sled
4	Ear Phone Hole	Plug the ear phone
5	Trigger Button	Press the trigger button to scan the barcode one time
6	Power Button	Smartphone power button.
7	Battery Door	Open battery door to take out battery
8	Micro USB Plug	Slide smart phone into sled and plug into smartphone
9	Volume Key	Adjust smartphone volume
10	Strap Hole	To fix the strap
11	Power Switch	Power on or power off
12	Micro-USB Plug	Charging for sled

LED Indicator Description

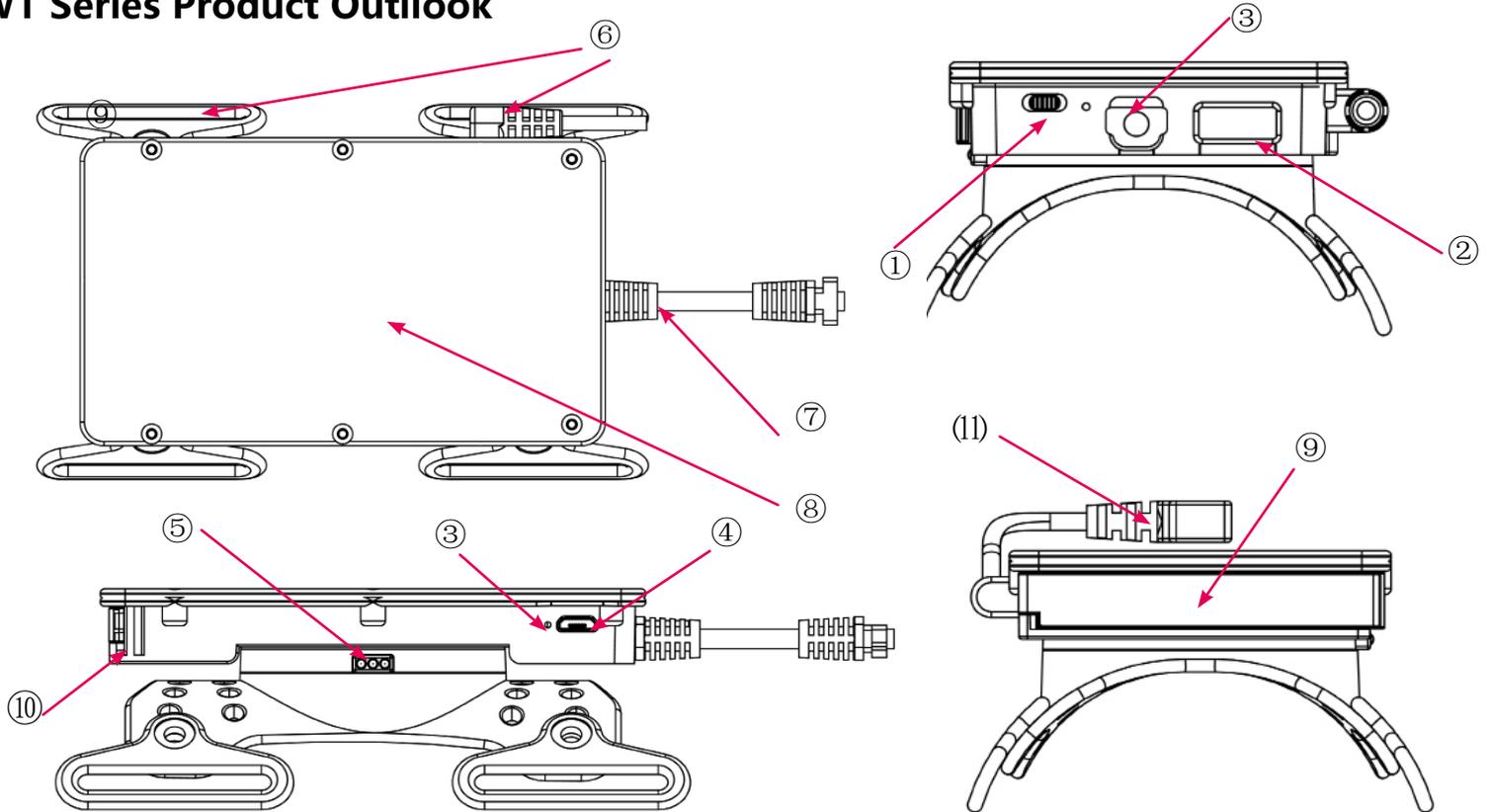
LED Status	Status
Blue LED turn on	Indicate Android smartphone detect the Sled successfully.
Red LED turn on	Battery Charging

Smartphone Installation

- 1.Reference figure-3,take off the top cover.
- 2.Slide the smartphone into sled
- 3.Plug the phone into micro usb plug slowly and carefully
- 4.close the top cover and secure the top cover with screw ,reference figure -2
- 5.Reference figure-6 , power up the smartphone
- 6.switch on the power of sled ,Android phone will detect the USB accessory device
- 7.Install Generalscan Input or SDK to scan barcode.



WT Series Product Outlook

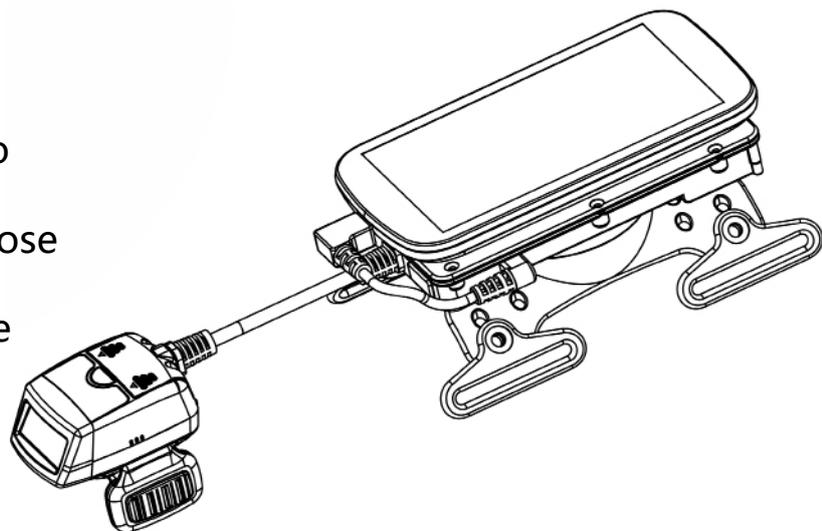


Function Description

Item	Name	Description
1	Power Switch	Switch to left or right for power on /off
2	External Charging Port	Only for GS-WT1000BT for charging GS-R1000BT
3	LED Indicator(Blue or Red color)	USB Accessory LED,When USB Accessory detected by Android,The blue led will turn on.When in charging,red LED will turn on.
4	Micro USB	Charging for internal battery
5	Buckle Button for Armmount	Press the button to dismantle the arm mount
6	Strap Hole	Fix the magic sticker
7	Spring cable for scanner	Connect ring scanner to arm mount
8	Smart phone Platform	Use double side magic sticker to fix smartphone
9	Battery Door	Open the door to change the battery
10	Buckle for battery door	To fasten the battery door
11	Smartphone Micro-USB plug	for communication with smartphone

WT Series Installation

- 1.Put the smartphone with protective case and fix with double side magic sticker
- 2.Reference figure-11, plug Micro-USB into Android smartphone
- 3.Put the battery into compartment and close the battery door.
- 4.Power on the pow switch (Figure-1),make sure the blue LED turn on.
- 5.Power on the ring scanner power switch.
- 6.Install Generalscan Input or SDK to use.



GS-SL Series and GS-WT Series SDK and App Introduction

You should install driver in Android system before use GS-SL series and GS-WT series barcode device.

Note: Only Android 4.0 or above system support this device.

You have two way to install the driver, one is Generalscan Input IME. Another is GS-SDK development kit .You can embedded SDK into your application to scan barcode directly.

Generalscan Input Installation and Usage

Please download the Generalscan Input APK and help document from the following address:

<http://www.generalscan.com/pdf/Generalscan-Input.apk>

<http://www.generalscan.com/pdf/GS-BlueInput-UserManual.pdf>

This input IME APK compatible with Generalscan bluetooth barcode scanner. When you use for GS-SL series and GS-WT1000 series product, you don't need any setting for it .

After you install Generalscan-Input.apk into Android smartphone, Please check Generalscan input and set Generalscan Input as default input method.

When GS-SL and GS-WT power on normally, Android smartphone will detect the USB accessory device, at the same time , the smartphone battery indicator will turn into charging mode. The blue LED will turn on . The status bar in Android smartphone will display as "Connected as a media device" and "Connected to a USB accessory "

Generalscan SDK Installation and Usage

When you use GS-SDK development kit to use GS-SL , GS-WT series product , you don't need install Generalscan Input. Please download the GS-SDK development kit from the following address:

<http://www.generalscan.com/pdf/FinalSDK-Public.zip>

Unzip FinalSDK-Public.zip file, you will find the following folder and file :

GeneralscanUSBBroadcast.apk USB Accessory Broadcast server App

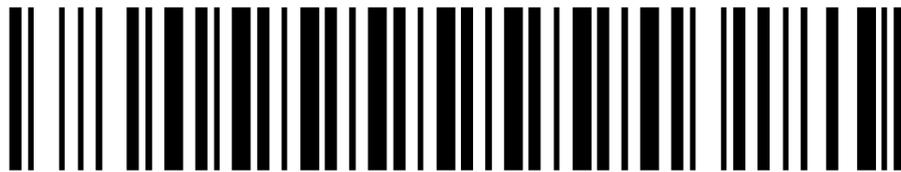
usb-service-server This directory is source code for USB Accessory Broadcast server App. You can modify this source code yourself and start service and run it in background . Don't kill this service or end task by task manager.

GeneralscanUSBBroadcastTest.apk This APK is Broadcast receiver demo APK.

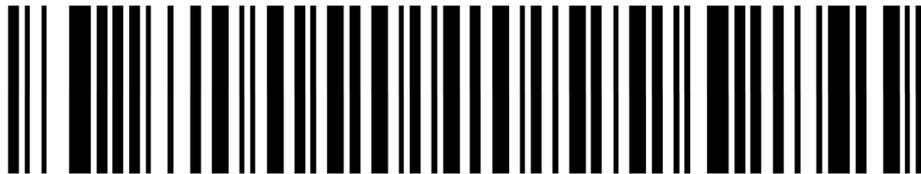
usb-service-test This directory is source code for broadcast receiver APK.

Please use Eclipse to import all source code

Note : Please use service to invoke the Generalscan USB Accessory JAR library , it will decrease the CPU utilization , improve the battery power consumption.



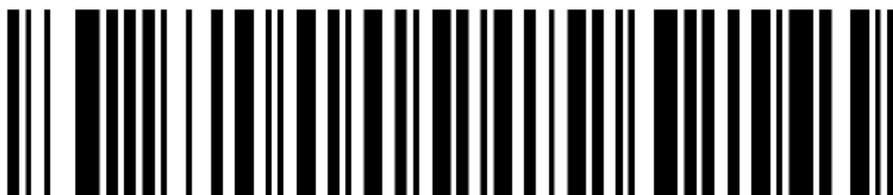
Factory Reset



USB Accessory Sleep Disable



Sled Battery Information Upload Enable



Sled Battery Information Upload Disable



Enter Standard Charging Mode



Enter Quick Charging Mode



USB Accessory Sleep in 60 minutes