

# Ultra High Frequency RFID Data Collection Terminal

## **GS U20**

### **Scan service interface definition**



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# Scan service interface definition

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## Scan sound switch

action	com.android.scanner.service_settings
extra	sound_play
Value	boolean, true or false, default true

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("sound play", true);
sendBroadcast(intent);
```

## Scan vibration switch

action	com.android.scanner.service_settings
extra	vibrate
Value	boolean, true or false, default true

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("vibrate", true);
sendBroadcast(intent);
```

## Continuous scan switch

action	com.android.scanner.service_settings
extra	scan_continue
Value	boolean, true or false, default false

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("scan_continue", true);
sendBroadcast(intent);
```

## Time interval setting

action	com.android.scanner.service_settings
extra	interval
Value	int, default 0

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("interval", 3000);
sendBroadcast(intent);
```

## Power-on auto-start setting

action	com.android.scanner.service_settings
extra	boot_start
Value	boolean, true or false, default true

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("boot start", true);
sendBroadcast(intent);
```

## Barcode end character setting

action	com.android.scanner.service_settings
extra	endchar
Value	The terminator attached to the end of the barcode, string type, pay attention to case, support the following types: <ul style="list-style-type: none"><li>• "ENTER": enter</li><li>• "TAB": TAB</li><li>• "SPACE": space</li><li>• "NONE": No terminator //default value</li></ul>

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("endchar", "ENTER");
sendBroadcast(intent);
```

## Barcode sending method

action	com.android.scanner.service_settings
extra	barcode_send_mode
Value	The scanning service sends the barcode after scanning, the string type, pay attention to the case, and supports the following types: <ul style="list-style-type: none"><li>• "FOCUS": Focus input</li><li>• "FOCUS_OVERWRITE": Focus input, overwrite existing content</li><li>• "BROADCAST": Broadcast //default value</li><li>• "CLIPBOARD": Clipboard</li></ul>

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("barcode send mode", "BROADCAST");
sendBroadcast(intent);
```

## Barcode broadcast settings

Barcode broadcast name

action	com.android.service_settings
extra	action_barcode_broadcast
Value	String type, the default is: "com.android.server.scannerservice.broadcast"

Barcode key value name

action	com.android.service_settings
extra	key_barcode_broadcast
Value	String type, the default is: "scannerdata"

Example:

```
Intent intent = new Intent("com.android.service settings");
intent.putExtra("action barcode broadcast",
    "com.android.server.scannerservice.broadcast");
intent.putExtra("key barcode broadcast", "scannerdata");
sendBroadcast(intent);
If the broadcast name is not changed, the result broadcast is received by default
com.android.server.scannerservice.broadcast
Just read the key value "scannerdata" to get the result.
```

## Barcode parameter setting

action	com.ygf.scan_service_control_action
extra1	command
Value	Fixed value "setScanningParameter"
extra2	param
Value	int
extra3	value
Value	int

Example:

```
Intent intent = new Intent("com.ygf.scan service control action");
intent.putExtra("command", "setScanningParameter");
intent.putExtra("param", 8610);
intent.putExtra("value", 1);
sendBroadcast(intent);
```

## Filter first and last space switch

action	com.android.scanner.service_settings
extra	filter_prefix_suffix_blank
Value	boolean, true or false, default false

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("filter prefix suffix blank", true);
sendBroadcast(intent);
```

## Barcode prefix setting

action	com.android.scanner.service_settings
extra	prefix
Value	String type, the default is a null character

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("prefix", "testprefix");
sendBroadcast(intent);
```

## Barcode suffix setting

action	com.android.scanner.service_settings
extra	suffix
Value	String type, the default is a null character

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("suffix", "testsuffix");
sendBroadcast(intent);
```

## Stop scanning service

Action:

com.eastaeon.scandecoderservice.ShunfengControlService.ACTION\_PAUSE

## Start scanning service

Action:

com.eastaeon.scandecoderservice.ShunfengControlService.ACTION\_START

action	com.android.scanner.service_settings
extra	filter_invisible_chars
Value	boolean, true or false, default false

## Filter invisible characters

Example:

```
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("filter invisible chars ", true);
sendBroadcast(intent);
```

## Continuous light mode setting

This setting can only control the light emitting mode of the side buttons and floating buttons, which is off by default

Example:

```
//Turn on continuous scanning
Intent intent = new Intent("com.android.scanner.service settings");
intent.putExtra("scan continue", true);
sendBroadcast(intent);
```

## Get scan code picture

action	com.ygf.scanner.image
extra	jpegData
Value	byte[]
barcode	
Value	String

## Trigger scan

Example:

```
//Trigger continuous scan
Intent intent = new Intent("com.ygf.floatingbutton.KEY_DOWN");
```

```
intent.putExtra("command", "startScan");  
sendBroadcast(intent);  
  
//Stop continuous scan  
Intent intent = new Intent("com.ygf.floatingbutton.KEY_DOWN");  
intent.putExtra("command", "stopScan");  
sendBroadcast(intent);  
  
//Trigger a single scan, and automatically stop after the scan is  
completed or after a timeout  
Intent intent = new Intent("com.ygf.floatingbutton.KEY_DOWN");  
intent.putExtra("command", "startScanOneTimes");  
sendBroadcast(intent);
```

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