2026

SETP_Label_V41 System Developer’s Manual

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Contents

1. Query PTL Tags Information 2
   - 1.1. Introduction to the API 5
   - 1.2. Basic Information 5
   - 1.3. Request parameters 6
   - 1.4. Response parameters 6
   - 1.5. Response example 6
2. Callback of Button Event 7
   - 2.1. Introduction to the API 7
   - 2.2. Basic Information 7
   - 2.3. Request parameters 7
   - 2.4. Parameters example 7
3. Light LEDs of PTL 8
   - 3.1. Introduction to the API 8
   - 3.2. Basic Information 8
   - 3.3. Request parameters 8
   - 3.4. Raw example 9
   - 3.5. Response parameters 9
   - 3.6. Response example 9
4. Callback of Light LEDs Result 10
   - 4.1. Introduction to the API 10
   - 4.2. Basic Information 10
   - 4.3. Request parameters 10
   - 4.4. Parameters example 10
5. Setting URL of User's Callback API 10

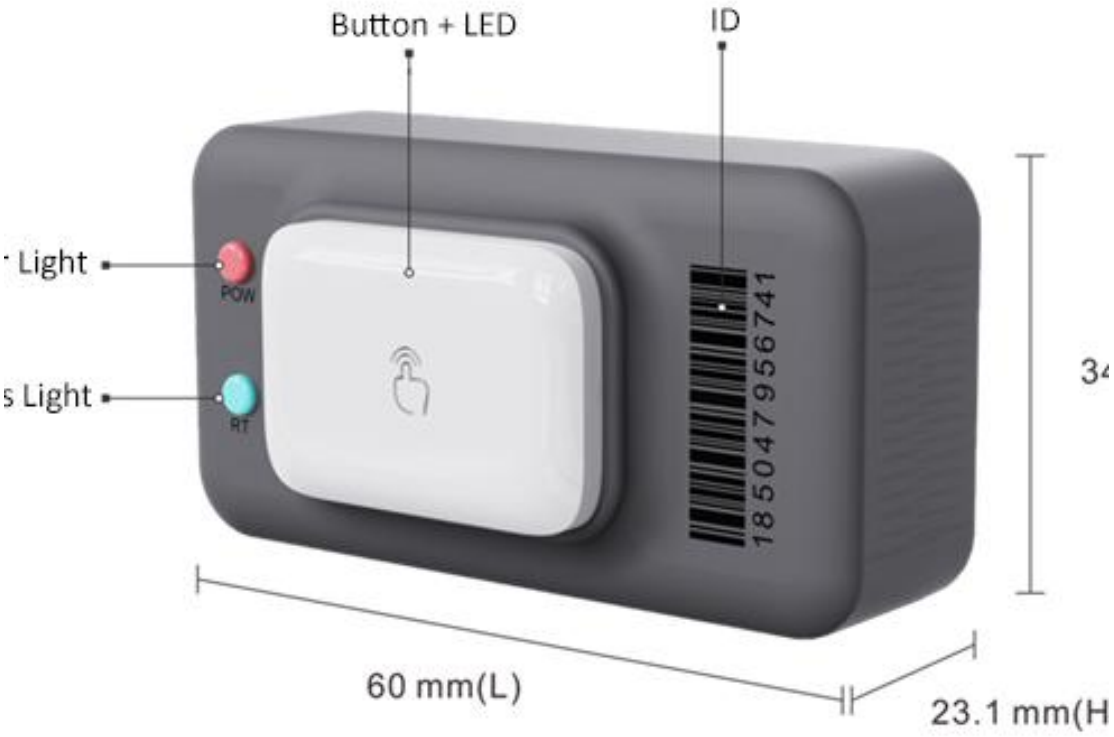
SERTAG SMART TAG LEADER

1. Register PTL

You should register the PTL to our Management System first;

Quickly press the side button three times

Register ok： The LED will turn off after flashing red light and the buzzer will beep once if the registration is successful



2. Query PTL Tags Information by RouterID

2.1. API Description

Query the information of electronic tags registered in the system。

2.2. API Information

APIaddress：*192.168.1.200/wms/associate/queryTagsInRouterId*

request type：*application/json*

request method：*post*

APIRemarks: Query the electronic label information according to the base station id

Debugging tool: ApiPost

Description of request body parameters：

parameter name	example value	type	Parameter Description
routers	**[]or[1,2]**	collection	A collection of base station ids, if empty, check all

request example：

```
{"routers":[1]
```

Return parameter description: (200) success

parameter name	example value	type	Parameter Description
datalist		Object	A collection of label information
datalist.hardwareVersion	4.5	String	hardware version number
datalist.height	128	Number	High-resolution)
datalist.mac	99.26.17.85	String	tag id number
datalist.manufacture	CoreWind31	String	model identification
datalist.power	100	Number	Label power
datalist.productionBatch	20-08-29	String	production batch
datalist.routerId	1	Number	Binding base station ID
datalist.rssi	-21	Number	signal strength
datalist.screenType	1	Number	screen type
datalist.serialNumber	CNSHZH1000	String	serial number
datalist.shopNumber	A0015	String	Affiliated store
datalist.showStyle	Picking Template Single Column	String	use template name
datalist.softwareVersion	7.0	String	software version number
datalist.state	true	String	online status
datalist.status	4	Number	update status
datalist.tagRegisterEN	1	Number	Allow tag registration switch

datalist.width	296	Number	resolution (wide)
resultCode	10	Number	return code
resultMsg	success	String	APIresponse information

Return example: (200) success


```
{
    "datalist": [
        {
            "hardwareVersion": "4.5",
            "height": 128,
            "mac": "99.26.17.85",
            "manufacture": "CoreWind31",
            "power": 100,
            "productionBatch": "20-08-29",
            "routerId": 1,
            "rssi": -21,
            "screenType": 1,
            "serialNumber": "CNSHZH1000",
            "shopNumber": "A0015",
            "showStyle": "拣货模板单列",
            "softwareVersion": "7.0",
            "state": true,
            "status": 4,
            "tagRegisterEN": 1,
            "width": 296
        },
        {
            "hardwareVersion": "4.5",
            "height": 128,
            "mac": "99.26.18.21",
            "manufacture": "CoreWind31",
            "power": 87,
            "productionBatch": "20-08-29",
            "routerId": 1,
            "rssi": -19,
            "screenType": 1,
            "serialNumber": "CNSHZH1000",
            "shopNumber": "A0015",
            "showStyle": "拣货模板单列",
            "softwareVersion": "7.0",
            "state": true,
            "status": 4,
            "tagRegisterEN": 1,
            "width": 296
```

```
        },
        {
            "hardwareVersion": "4.5",
            "height": 128,
            "mac": "99.26.18.36",
            "manufacture": "CoreWind31",
            "power": 100,
            "productionBatch": "20-08-29",
            "routerId": 1,
            "rssi": -25,
            "screenType": 1,
            "serialNumber": "CNSHZH1000",
            "shopNumber": "A0015",
            "showStyle": "拣货模板单列",
            "softwareVersion": "7.0",
            "state": true,
            "status": 4,
            "tagRegisterEN": 0,
            "width": 296
        }
    ],
    "resultCode": 10,
    "resultMsg": "success"
}
```


Return parameter description: (201) failed

parameter name	example value	type	Parameter Description
No request parameter KEY/VALUE type			

3. Query PTL Tags Information

3.1. Introduction to the API

Query all PTL tags information

3.2. Basic Information

Attributes	API Information
Status	Finished
URL	http://localhost/wms/associate/getTagsMsg
Request Method	GET/POST

Content-Type	multipart/form-data

3.3. Request parameters

Parameter Description

Attributes	Value	Required	Comment

3.4. Response parameters

Attributes	Value	Types	Comment
lastOpreateTime	"2021-10-13 03:32:30"	string	Last opreate TIme
mac	"99.97.36.55"	string	Tag mac/Tag ID
power	100	string	Battery power(0~100)
routerid	CWR000001	string	ID of BindRouter
rssi	-26	int	Signal strength (-100 ~ 0)
showStyle	"Picking Template"	string	Using template name

3.5. Response example


```
[
    {
        "lastOpreateTime": "2021-10-13 03:32:29",
        "mac": "99.97.36.55",
        "power": 100,
        "routerid": "CWR000001",
        "rssi": -30,
        "showStyle": "Picking Template"
    },
    {
        "lastOpreateTime": "2021-10-13 03:32:30",
        "mac": "99.97.36.53",
        "power": 100,
        "routerid": "CWR000001",
        "rssi": -26,
        "showStyle": "Picking Template"
```

```
    },
    {
        "lastOpreateTime": "2021-10-13 03:32:33",
        "mac": "99.97.36.48",
        "power": 88,
        "routerid": "CWR000001",
        "rssi": -39,
        "showStyle": "Picking Template"
    }
]
```


4. Callback of Button Event

4.1. Introduction to the API

Notification of button event.

4.2. Basic Information

Attributes	API Information
Status	Finished
URL	URL of user's callback API
Request Method	POST
Content-Type	application/json

4.3. Request parameters

Parameter Description

Attributes	Types	Required	Comment
mac	string	yes	Tag mac / Tag ID
result	bool	Yes	result=3, press button event; result=4, light off after timeout;

4.4. Parameters example

Json object

```
{"mac":"92.91.34.99","result":3}
```

5. Light LEDs of PTL

5.1. Introduction to the API

Light LED of PTL.

5.2. Basic Information

Attributes	API Information
Status	Finished
URL	http://localhost/wms/associate/lightTagsLed
Request Method	POST
Content-Type	application/json

5.3. Request parameters

Parameter Description

Attributes	Types	Required	Comment
mac	string	Yes	Tag mac / Tag ID
lednum	int	Yes	fixed value : 255
timeout	int	Yes	Lighting timeout time(s); 0 : never turn off n : turn off autoAutomatically after n seconds
ledmode	int	Yes	0, Led always on 1, Led flash Interval 500ms 2, Led flash Interval 1000ms 3, Turn off the led
ledrgb	string	Yes	led color: red, ledrgb =“ff0000”; green, ledrgb=“ff00”; blue, ledrgb=“ff”; yellow, ledrgb=“ffff00”; white, ledrgb=“ffffff”; purple, ledrgb=“ff00ff”; light blue, ledrgb= “00ffff”; no color, ledrgb=“0”
buzzer	int	Yes	Buzzer switch: 1 buzeer on 2 buzzer off

quantity	int	Yes	Reserved field

5.4. Raw example

```
[
   {
      "mac":"99.29.05.33",
      "lednum":255,
      "timeout":0,
      "ledrgb":"ff00",
      "ledmode":0,
      "buzzer":0,
      "reserve":"reserve"
      },
      {
      "mac":"99.28.88.12",
      "lednum":255,
      "timeout":0,
      "ledrgb":"ff00ff",
      "ledmode":0,
      "buzzer":0,
      "reserve":"reserve"
      }
]
```

5.5. Response parameters

Attributes	Value	Types	Comment

5.6. Response example

```
    true
```

6. Callback of Light LEDs Result

6.1. Introduction to the API

Notification the result of Light LEDs

6.2. Basic Information

Attributes	API Information
Status	Finished
URL	URL of user's callback API
Request Method	POST
Content-Type	application/json

6.3. Request parameters

Parameter Description

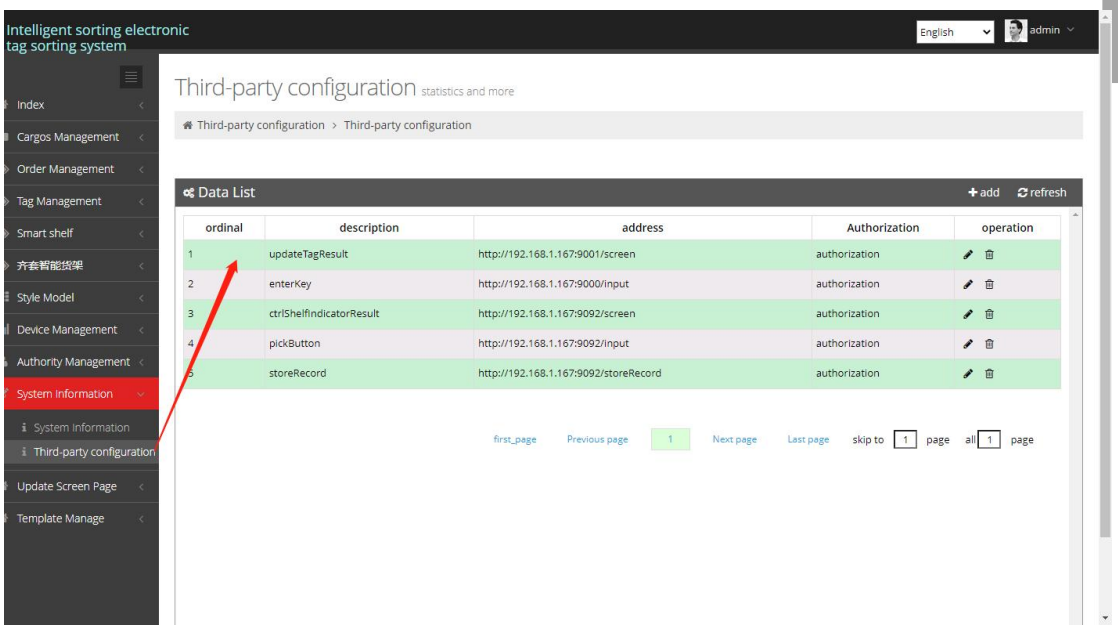
Attributes	Types	Required	Comment
mac	string	yes	Tag mac / Tag ID
power	int	yes	Battery power(0~100)
result	bool	Yes	true： ok; false: failed;
lednum	int	no	reserver multi-light PTL
message	string	no	Prompt information
cmdtoken	string	no	reserver

6.4. Parameters example

```
{"cmdtoken":"","lednum":0,"mac":"99.26.39.63","message":"send successfully","power":100,"result":true}
```

7. Setting URL of User's Callback API

Login WMS system with admin user， go to 'System Information'->'Third-party configuration'， you can config the Callback URL here:



Feedback	Description	Address
Callback of UpdateScreen result	updateTagResult	URL of user's callback API
Callback of Light Leds Result	ctrlShelfIndicatorResult	URL of user's callback API
Callback of button event	pickButton	URL of user's callback API

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