

2023

SETP_Label_V9 System Developer's Manual

DALIAN SERTAG TECHNOLOGY CO., LTD

Contents

1. Roadway Lights Registration	2
2. Query Roadway Lights Information.....	2
3. Light Roadway Lights	6
4. Callback of Light Roadway Lights Result.....	8
5. Setting URL of user's callback API	9



1. Roadway Lights Registration

Place the magnet near the area of the barcode to trigger the Roadway Lights register to the system

Registration success: red light to green light, and then turn off.



2. Query Roadway Lights Information

Introduction to the API:

Query Roadway Lights information

Basic Information

Attributes	Interface
Status	Finished
URL	http://localhost/wms/associate/queryIndicates
Request Method	GET/POST
Content-Type	multipart/form-data

Request parameters

Parameter Description

Attributes	Value	Required	Comment
	Body transmits the collection of router ids [1828,1829], and query all if you sendd the blank []		

Request example

```
[1828]
```

Response parameters

Attributes	Value	Types	Comment
mac	"99.97.36.55"	string	Tag mac/Tag ID
hardwareVersion	"5.1"	string	Hardware version
manufacture	CWR000001	string	ID of BindRouter
productionBatch	22-05-06	int	Signal strength (-100 ~ 0)
routerId	1828	int	ID of BindRouter
rsssi	-14	int	Signal strength (-100 ~ 0)
screenType	0	int	No use

serialNumber	"CNSHZH23125"	string	No use
softwareVersion	"1.5"	string	Software version
state	true	bool	No use
status	1	int	Status of Tags

Response example

```
{
  "datalist": [
    {
      "hardwareVersion": "5.1",
      "mac": "99.88.06.83",
      "manufacture": "CoreWind1",
      "productionBatch": "22-05-06",
      "routerId": 1828,
      "rssi": -14,
      "screenType": 0,
      "serialNumber": "CNSHZH23125",
      "softwareVersion": "1.5",
      "state": true,
      "status": 1
    },
    {
      "hardwareVersion": "5.1",
      "mac": "99.89.19.44",
      "manufacture": "CoreWind0",
      "productionBatch": "20-09-09",
      "routerId": 1828,
      "rssi": -15,
      "screenType": 0,
      "serialNumber": "CNSHZH23125",
      "softwareVersion": "1.4",
      "state": true,
      "status": 1
    },
    {
      "hardwareVersion": "5.1",
      "mac": "99.88.06.86",
```

```
"manufacture": "CoreWind1",
"productionBatch": "22-05-06",
"routerId": 1828,
"rssi": -14,
"screenType": 0,
"serialNumber": "CNSHZH23125",
"softwareVersion": "1.5",
"state": true,
"status": 1
}
],
"resultCode": 10,
"resultMsg": "success"
}
{
"datalist": [
{
"hardwareVersion": "5.1",
"mac": "99.88.06.83",
"manufacture": "CoreWind1",
"productionBatch": "22-05-06",
"routerId": 1828,
"rssi": -14,
"screenType": 0,
"serialNumber": "CNSHZH23125",
"softwareVersion": "1.5",
"state": true,
"status": 1
},
{
"hardwareVersion": "5.1",
"mac": "99.89.19.44",
"manufacture": "CoreWind0",
"productionBatch": "20-09-09",
"routerId": 1828,
"rssi": -15,
"screenType": 0,
"serialNumber": "CNSHZH23125",
```

```

    "softwareVersion": "1.4",
    "state": true,
    "status": 1
  },
  {
    "hardwareVersion": "5.1",
    "mac": "99.88.06.86",
    "manufacture": "CoreWind1",
    "productionBatch": "22-05-06",
    "routerId": 1828,
    "rssi": -14,
    "screenType": 0,
    "serialNumber": "CNSHZH23125",
    "softwareVersion": "1.5",
    "state": true,
    "status": 1
  }
],
"resultCode": 10,
"resultMsg": "success"
}

```

3. Light Roadway Lights

Introduction to the API:

Light Roadway Lights all PTL tags information

Basic Information:

Attributes	Interface
Status	Finished
URL	http://localhost/wms/associate/ctrlShelfIndicator

Request Method	POST
Content-Type	application/json

Request parameters:

Parameter Description

Attributes	Types	Required	Comment
mac	string	yes	Tag mac / Tag ID
timeout	int	yes	Lighting timeout time(s); 0 : never turn off n : turn off autoAutomatically after n seconds
ledrgb	string	yes	red: ff0000; red Led On green: ff00; green Led On yellow: ffff00; yellow Led On
ledmode	int	Yes	lightint mode; 0, always on 1, quick flash 2, slow flash 3, turn of the light according ledrgb 4. turn off the lights all
buzzer	int	yes	0: Buzzer off, 1: Buzzer on
reserve	string	optional	reserve

Raw example:

```
[
{
"mac": "99.29.03.13",
"timeout": 0,
"ledrgb": "ffff00",
"ledmode": 0,
"buzzer": 0,
"cmdtoken": "123456",
"reserve": "reserve"
},
```



```
{
  "mac":"99.29.05.33",
  "timeout":0,
  "ledrgb":"ff00ff",
  "ledmode":0,
  "buzzer":0,
  "cmdtoken":"123456",
  "reserve":"reserve"
}
]
```

Response example:

```
true
```

4. Callback of Light Roadway Lights Result

Introduction to the API:

Notification the result of Light Roadway Lights

Basic Information

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

Request parameters

Parameter Description:

Parameter Name	Value	Type	Parameter Description
mac	99.99.08.51	string	Tag ID
power	100	int	surplus power (0~100)
result	true	bool	true: Light on false:Light failed
lednum	1	int	Led num
cmdtoken		string	
message	数据成功	string	数据成功; (send ok) 数据失败; (send failed) 数据发送超时; (send timeout) 唤醒失败; (wake up failed) 基站不在线; (router offline) 数据异常; (Abnormal data) 数据格式不正确, 解析失败; (incorrect data format) 参数格式不正确或参数不全; (Missing required parameters) 无法执行;(Unable to execute) 标签不存在; (Tag does not exist)

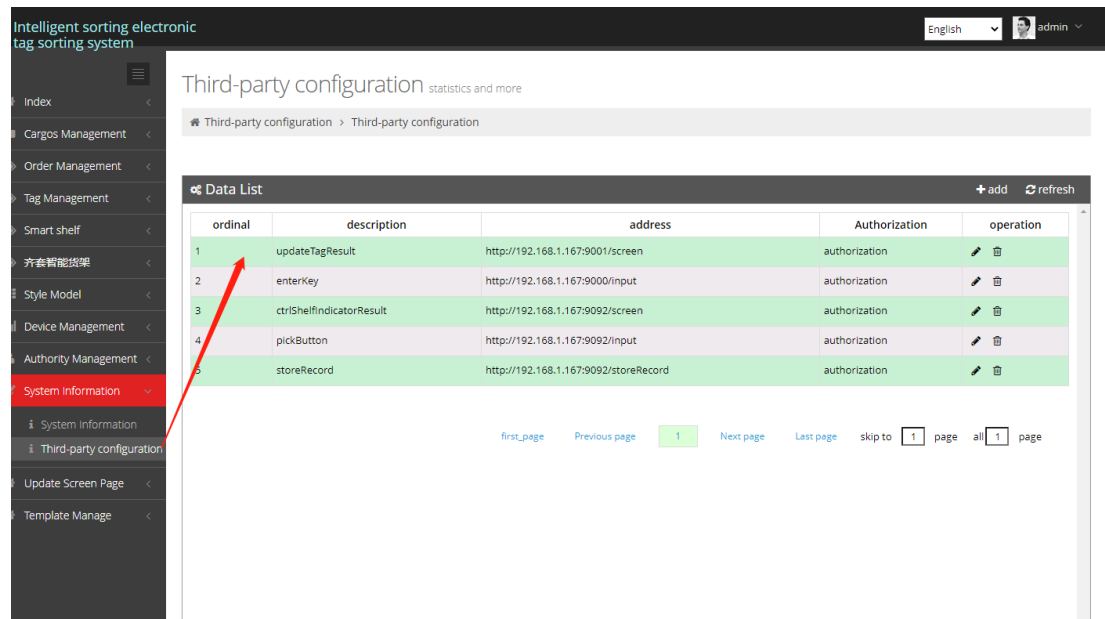
Parameters example:

```
{"mac":"99.99.08.51","result":true,"power":100,"lednum":1,"cmdtoken":"55555","message":"数据成功"}
```

5. 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 Light Leds Result	ctrlShelfIndicatorResult	URL of user's callback API

