2023

SETP_Label_V10 System Developer’s Manual

DALIAN SERTAG TECHNOLOGY CO., LTD

Contents

1. SETP_Label_V10 Registration

You should register the PTL to our Management System first;

Press the bottom-right and bottom-left buttton to trigger registration.

Register ok: The led turns from green to red in the up-right corner

Press the lower right button and the lower left button simultaneously to trigger registration.

2. Query PTL Tags Information

2.1. Introduction to the API

Query all PTL tags information

2.2. Basic Information

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

2.3. Request parameters

2.3.1. Parameter Description

Attributes	Value	Required	Comment

2.4. 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

2.5. 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"
    }
]
```


3. Callback of button event

3.1. Introduction to the API

Notification of button event.

3.2. Basic Information

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

3.3. Request parameters

3.3.1. Parameter Description

Attributes	Types	Required	Comment
mac	string	yes	Tag mac / Tag ID
result	bool	Yes	result=0, right-lower button; result=1, left-top button;

			result=2， left-middle button； result=3， left-lower button；

3.4. Parameters example

Json object

```
{"mac":"92.91.34.99","result":0}
```

4. Light LEDs of PTL(Extern Power Supply)

4.1. Introduction to the API

Query all PTL tags information

4.2. Basic Information

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

4.3. Request parameters

4.3.1. Parameter Description

Attributes	Types	Required	Comment
mac	string	Yes	Tag mac / Tag ID
devtype	int	Yes	Device type, devtype=10
timeout	int	Yes	Lighting timeout time(s); 0 : never turn off n : turn off autoAutomatically after n

			seconds
state	int	Yes	1, led on, Digital Tube on; 0, led off, Digital Tube off;
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= “ffff”; no color, ledrgb=“0”
ledcycle	int	Yes	lightint mode; 0, always on 500, flash Interval 500ms 1000, flash Interval 1000ms
quantity	int	Yes	Digital tube display, 0~999, If bigger than 999 will difplay “FFF”

4.4. Raw example


```
[
  {
    "mac":"99.29.05.33",
    "devtype":10,
    "displaytype":4,
    "timeout":0,
    "ledrgb":"ff00ff",
    "ledcycle":0,
    "quantity":888
  },
  {
```

```
        "mac":"99.28.88.12",
        "devtype":10,
        "displaytype":4,
        "timeout":0,
        "ledrgb":"ff00ff",
        "ledcycle":0,
        "quantity":888
        }
]
```


4.5. Response parameters

Attributes	Value	Types	Comment

4.6. Response example


```
    true
```


5. Callback of Light LEDs Result

5.1. Introduction to the API

Notification the result of Light LEDs

5.2. Basic Information

Attributes	API Information
Status	Finished
URL	URL of user's callback API

Request Method	POST
Content-Type	application/json

5.3. Request parameters

5.3.1. 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；

5.4. Parameters example

```
{"mac":"99.26.39.63","power":100,"result":true}
```

6. Light Roadway Lights

6.1. Introduction to the API

Light Roadway Lights all PTL tags information

6.2. Basic Information

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

6.3. Request parameters

6.3.1. 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
ledstate	int	Yes	lightint mode; 0, always on 1, quick flash 2, slow flash
buzzer	int	yes	0： Buzzer off， 1： Buzzer on
reserve	string	optional	reserve

6.4. Raw example


```
[
  {
    "mac":"99.29.03.13",
    "lednum":1,
    "timeout":0,
    "ledrgb":"ffff00",
    "ledmode":0,
    "buzzer":0,
    "cmdtoken":"123456",
    "reserve":"reserve"
  },
  {
```

```
    "mac":"99.29.05.33",
    "lednum":1,
    "timeout":0,
    "ledrgb":"ff00ff",
    "ledmode":0,
    "buzzer":0,
    "cmdtoken":"123456",
    "reserve":"reserve"
  }
]
```


6.5. Response example


```
  true
```


7. Callback of Light Roadway Lights Result

7.1. Introduction to the API

Notification the result of Light Roadway Lights

7.2. Basic Information

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

7.3. Request parameters

7.3.1. Parameter Description

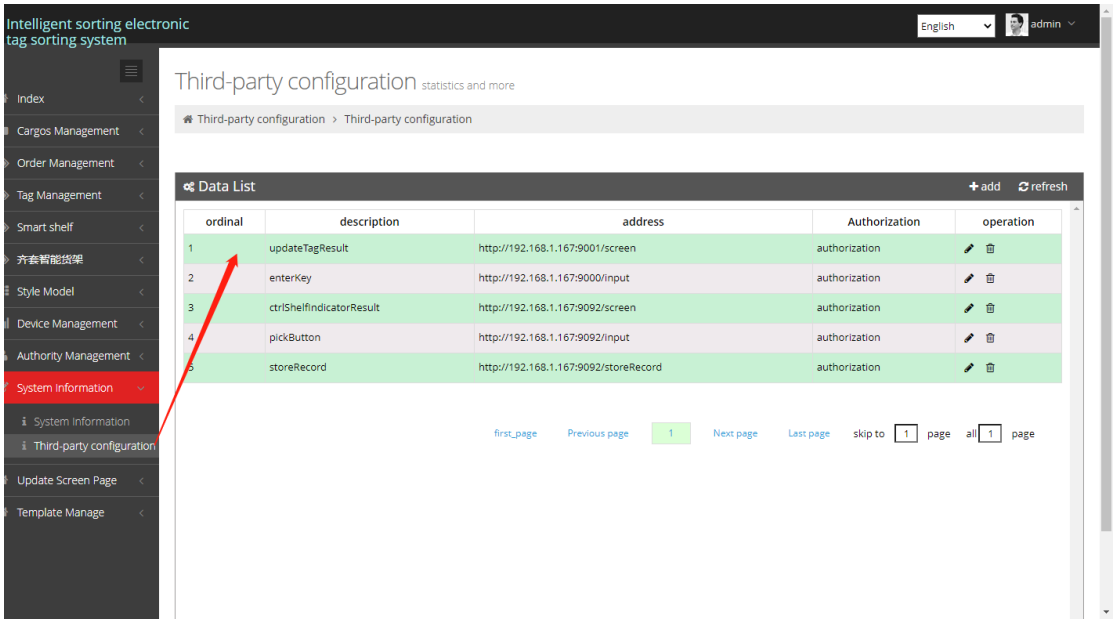
Attributes	Types	Required	Comment
mac	string	yes	Tag mac / Tag ID
result	bool	Yes	true： ok; false: failed;

7.4. Parameters example

```
{"mac":"99.26.39.63","result":true}
```

8. 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 button event	enterKey	URL of user's callback API
Callback of Light Leds Result	ctrlShelfIndicatorResult	URL of user's callback API