

2023

SETP_Label_V11 System Developer's Manual

DALIAN SERTAG TECHNOLOGY CO., LTD

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1. Register PTL

You should register the PTL to our Management System first;

Use a magnet to approach the barcode.

Register ok: Led light changes from flashing green light to red light and then goes out

Use a magnet to approach the bar code



2. Query PTL Tags Information

2.1. Introduction to the API

Query all PTL tags information

2.2. Basic Information

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

2.3. Request parameters

Parameter Description

Attributes	Value	Required	Comment

2.4. Response parameters

Attributes	Value	Types	Comment
lastOpreateTime	"2021-10-13 03:32:30"	string	Last opreate Tlme
mac	"99.97.36.55"	string	Tag mac/Tag ID
power	100	string	Battery power(0~100)
routerid	CWR000001	string	ID of BindRouter
rss	-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",
    "rss": -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

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;
--	--	--	------------------------------------

3.4. Parameters example

Json object

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

4. Light LEDs of PTL

4.1. Introduction to the API

Light LED of PTL.

4.2. Basic Information

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

4.3. 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

4.4. 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"
  }
]
```

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

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

5.4. Parameters example

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

6. 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:

ordinal	description	address	Authorization	operation
1	updateTagResult	http://192.168.1.167:9001/screen	authorization	✎ 🗑
2	enterKey	http://192.168.1.167:9000/input	authorization	✎ 🗑
3	ctrlShelfIndicatorResult	http://192.168.1.167:9092/screen	authorization	✎ 🗑
4	pickButton	http://192.168.1.167:9092/input	authorization	✎ 🗑
5	storeRecord	http://192.168.1.167:9092/storeRecord	authorization	✎ 🗑

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