

SETP_Label_V20 System Developer's Manual

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1. SETP_Label_V20 Registration

You should register the PTL to our Management System first;

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

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



2. Query PTL Tags Interface Information

Interface address: 192.168.1.200/wms/associate/getTagsMsg

Request type: multipart/form-data

Request method: get

Interface remarks: No description yet

Debugging tools: ApiPost

Request parameter description

Attributes	Value	Type	Comment
No request parameter KEY/VALUE type			

```
[
  {
    "lastOpreateTime": "2022-03-24 04:53:15",
    "mac": "99.89.40.57",
    "power": 100,
    "routerid": "CWR000001",
    "rssi": -57,
```

```

    "showStyle": "Picking Template"
  },
  {
    "lastOpreateTime": "2022-03-24 04:53:29",
    "mac": "99.89.75.63",
    "power": 97,
    "routerid": "CWR000001",
    "rssi": -55,
    "showStyle": "拣货模板单列"
  },

```

Response parameter description

Attributes	Value	Types	Comment
lastOpreateTime	2022-03-24 04:53:15	String	Last opreate Tlme
mac	99.89.40.57	String	Tag mac/Tag ID
power	100	Integer	Battery power(0~100)
routerid	CWR000001	String	ID of BindRouter
rssi	-57	Integer	Signal strength (-100 ~ 0)
showStyle	Picking Template	String	Using template name
		Text	No description yet

3. Query electronic label information By RouterID

API Description

Query the information of electronic tags registered in the system.

AP 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
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routers	[1,2]	collection	A collection of base station ids, if empty, check all
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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
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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			

4. Electronic label control interface

Interface address: <http://192.168.1.200/wms/associate/lightTags>

Request type: *application/json*

Request method: *post*

Interface remarks: *Control interface*

Debugging tools: *ApiPost*

Request parameters

Attributes	Types	Required	Comment
mac	99.89.40.57	string	Tag mac / Tag ID, for example: 99.89.40.57
devtype	10	int	Fixed: devtype=10
timeout	0	int	timeout=0, Always on, will not turn off automatically; timeout>0, The label will automatically turn off after (timeout) seconds; Unit: second;
state	1	int	1, led on, Digital Tube on; 0, led off, Digital Tube off;
ledrgb	ffff00	string	red, ledrgb="ff0000"; green, ledrgb="ff00"; blue, ledrgb="ff"; yellow, ledrgb="ffff00"; white, ledrgb="ffffff"; no color, ledrgb="0"
ledcycle	0	int	Fixed: ledcycle=0; Always on, no flashing; ledcycle=500, 500ms Interval flashing; ledcycle=1000, 1000ms Interval flashing;

quantity	999	int	Digital tube display, 0~999999
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Request example:

```
[
{"mac":"99.89.40.57",
"devtype":10,
"state":1,
"timeout":0,
"ledrgb":"ff00",
"ledcycle":0,
"quantity": 999
}
]
```

Response example:

```
true
```

Response parameter description:

Attributes	Value	Type	Comment
No request parameter KEY/VALUE type			

5. Callback of Button

Callback request type: *application/json*

Callback request method: *post*

Request parameter example:

```
{"mac":"99.89.40.57", "result": 0}
```

Request parameter description:

Attributes	Value	Types	Comment
mac	99.89.40.57	string	Tag ID number of trigger button
result	0	int	lower right, result:0 upper left, result:1 middle left, result:2 lower left, result:3

Callback interface settings:



Description	URL Address
enterKey	URL of user's callback API

6. Callback of Lights Result

Request type: *application/json*

Request method: *post*

Request parameter example:

```
{"mac": "99.89.40.57", "result": true}
```

Request parameter description:

Attributes	Value	Types	Comment
mac	99.89.40.57	string	Tag ID number of trigger button
result	true	bool	true, lighting successfully false, lighting fails

Interface settings:

The screenshot shows a web interface for 'Third-party configuration'. On the left is a sidebar menu with options like 'Tag Management', 'Style Model', 'Device Management', 'Authority Management', 'System Information', and 'Third-party configuration'. The main area displays a 'Data List' table with columns: ordinal, description, address, Authorization, and operation. The table contains 9 entries. The 9th entry, 'ctrlEslDataResult', is highlighted with a red box and a red arrow points to it from the sidebar. The 'operation' column for each entry contains icons for edit, delete, and a '一键测试' (One-click Test) button. At the bottom of the table, there are pagination controls showing 'first_page', 'Previous page', '1', 'Next page', 'Last page', 'skip to 1 page', and 'all 1 page'.

Description	URL Address
ctrlEslDataResult	URL of user's callback API