

Imprint

Version	Content changes	Description of the change time of the changer
V2.0	Change the structure of the document to categorize the interfaces	Yu Junyi 2020.12.01
V2.1	adds button callback interface for 2.9 size and 7.5 size labels Sheng Hongwei 2020.12.11	
V2.2	Document interface, parameter sorting mouht first	Hu Xiong , Yu Junyi 2020.01.04
V2.3	Modified Articles 6, 7 and 8 of the commodity interface, price tag connection	Hu Xiong 2020.03.08
V2.4 01.	Added user login failure error code prompt; 2. Single product push, adding support for image push (support Image parameters in base64 format, see description)	Sheng Hongwei 2020.03.30



Stock code: 872374





C10-6 Card Type iBeacon

Smart Retail Platform

Open API User Manual (V1.1.0)

Shenzhen Online
SHENZHEN

Imprint	1
Overview	-
1 - Login interface	-
1 - 1 ,Log in.....	- 1 - 2.
Get usage scenarios	- 3 - Commodity
Interface	- 7 - 1. New product
information.....	- 7 - 2. Delete product
information.....	- 10 - 3. Modify product
information.....	- 12 - 4. Push a single
product....	- 16 - 5. Commodity query
binding label and its store..	- 19 - 6. Change the binding
relationship of commodities, price tags and templates.....	- 21 -
7. Modify product content and template binding.....	-
23- 8. Obtain product information	-
27 - 9. The system imports commodities in	
batches	- 30 - 10. Lighting of bulk
products	- 33 - 11. Turn off the lights
for bulk products	- 37 - Price tag
interface	- 40 - 1.
Binding price tags	-
40- 2. Delete binding.....	- 42
- 3. Label light control interface	- 44
- 4. Price tag query bound product	- 46
- 5. Get the list of price tags	- 50 - 6.
Price tag binding gateway	- 54 - 7.
Batch add price tag	- 56 - 8. Price
tag image rendering.....	- 59 - 9. Batch
brushing	- 61 - 10.
Querying the specific information of the price	
tag.....	- 63 - 11. Delete price tags in batches
through the MAC address of the price tag.....	- 66 - Template
interface.....	- 68 - 1. Query
Template	- 68 - Store
Interface	- 72 - 1. Get
store information.....	- 72 - 2. Add a
store.....	- 73-3 ,upload
image.....	- 76 - OTHER
INTERFACE	-
79 - 1. Subscription push service	-
79 - 2. Obtaining early warning information	-
82 - Gateway Interface	-
85 - 1. Query gateway information	- 85 - 2.
Add gateway	- 89 - 3. Modify the gateway.....

5. Restart the gateway	- 96 -
6. Firmware upgrade (WIFI firmware, Bluetooth firmware)	-
- 97 - 7. Get the upgrade package information	-
100 - 8. Querying the specific information of the gateway	- 103 - Push
API	- 107 - 1. API for push buttons of



Overview

In the following interface, barcode exists as a commodity number, and the commodity id in the system is goodsId

It will keep synchronization with barcode. If barcode is included in the interface request parameter, it must be passed, and

And can not pass empty value and empty string, do not use Chinese characters and special characters, label1 exists as a barcode

login interface

1. Login

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V1/Login

API description: User login to obtain authorization token

request parameter list

parameter name	parameter position	data type	must default value	example	parameter description	
username	body	String	Yes	"admin"	username	
password	body	String	Yes	"123456"	password	

return parameter list

parameter name	type of data	Parameter Description
errmsg	String	returned messages
errcode	int	Response code, such as: 200: success
token	String	Author authentication token, valid for 24 hours

request address

<http://esl.ylwlesl.com:9191/V1/Login>

Request example

Parameters:

```
{
  "username": "admin",
  "password": "*****"
}
```

Example of successful return

```
{
  "errcode": 200,
  "errmsg": "Login Success",
  "body": {
    "token": "eyJhbGciOiJIUzI1NiJ9.eyJleHAiOiE1NzY2NTI1NTQsInN1YiI6ImFkbWlulividXNIcklkjoiYTM1NGNhZDNmYzI3MTFIOGE1MDEzMjMyMzc2ZmEiLCJwYXNzd29yZCI6IjkNjc0OTI2OTQyNzQwNzQ3NDQyYjZkNDQwOTQ3YTJiiwicm9sZSI6InJvb3QifQ.GF4QpXFbwQ_jFKjUYQHU8FeYPkeTN9k8ejXkgc2BD0",
    "storeId": 0,
    "role": "root",
    "first": false
  },
  "createTime": 157656615436
}
```

Failure return example

```
{
  "errcode": 400,
  "errmsg": "Login Fail",
  "createTime": 157656615436
}
```

Error code list

status code	describe
200	login successful
400	Login failed

2. Get usage scenarios

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: GET

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/sence/using

API description: Get usage scenarios, table field information defined by product information, and product information used in price tags
prefix information

request parameter list

parameter name	parameter position	data type	must default value	example	parameter description
Authorization	header	string	is	Bearer + sky grid + login to get fetched token	Access the API itself certification

return parameter list

parameter name	type of data	Parameter Description
body	array of json objects	Smart Retail Platform
status	int	Response code, such as: 200: success

request address

<http://esl.ylwlesl.com:9191/V2/sence/using>

Request example

Example of successful return



```
{  
  "body": [  
    {  
      "uuid": "5cda596857bb3cdd53a26a2d",  
      "id": "ID",  
      "barcode": "Barcode",  
      "qrcode": "QR Code",  
      "label1": "Barcode Text",  
      "label2": "QR Code Text",  
      "label3": "Number", "label4":  
        "Name", "label5": "Abbreviation",  
        "label6": "Price", "label7":  
          "Brand", "label8": "Specification",  
          "label9": "Grade ", "label10":  
            "Unit", "label11": "Origin",  
            "label12": "Supplier", "label13":  
              "Reserved 1", "label14":  
              "Reserved 2", "label15":  
                "Reserved 3", "label16":  
                "Reserved 4", "label17":  
                  "Reserved 5", "label18":  
                  "Reserved 6", "photo1":  
                    "Picture 1", "photo2":  
                      "picture2", "photo3": "picture3",  
                      "photo4": "picture4", "photo5":  
                        "picture5",  
  
                      "sence": "retail",  
                      "lang": "zh",  
                      "createTime": 1557813608461  
                },  
    ]  
}
```

```
"uuid": "5cda596857bb3cdd53a26a2d",
"id": "ID",
"barcode": "Barcode",
"qrcode": "QR Code",
"label1": "Barcode Text",
"label2": "Qrcode Text",
"label3": "Number",
"label4": "Name",
"label5": "Name Abbr",
"label6": "Price",
"label7": "Brand",
"label8": "Specification",
"label9": "Grade",
"label10": "Unit",
"label11": "Place Of Origin",
"label12": "Supplier",
"label13": "Placeholder1",
"label14": "Placeholder2",
"label15": "Placeholder3",
"label16": "Placeholder4",
"label17": "Placeholder5",
"label18": "Placeholder6",
"photo1": "photo1",
"photo2": "photo2",
"photo3": "photo3",
"photo4": "photo4",
"photo5": "photo5",
"sence": "retail",
"long": "and",
"createTime": 1557813608461
}

{
    "uuid": "5cda596857bb3cdd53a26a2d",
    "id": "ID",
    "barcode": "barcode",
    "qrcode": "QR code",
    "label1": "barcode text",
    "label2": "QR code text",
    "label3": "number",
    "label4": "name",
    "label5": "abbreviation",
    "label6": "price",
    "label7": "brand",
    "label8": "Specification",
```

```

    "label9": "Rank",
    "label10": "Unit",
    "label11": "Origin",
    "label12": "Vendor", "label13":
    "Reservation 1", "label14":
    "Reservation 2", "label15":
    "Reservation 3" ,
    "label16": "Reservation 4",
    "label17": "Reservation 5",
    "label18": "Reservation 6",
    "photo1": "Image 1",
    "photo2": "Image 2",
    "photo3": "Image 3",
    "photo4": " Image 4 ",
    photo5 ":" Image 5 ",
    "sence": "retail",
    "lang": "ja",
    "createTime": 1557813608461
  }

  ],
  "status": 200
}

```

Failure return example

Error code list

status code	describe
200	success
433	no scene selected

commodity interface**1. Add product information**

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/good

API description: Add product information

request parameter list

parameter name	parameter position	data type	must default value	parameter	example	parameter description
Authorization	header	String	Yes		Bearer+space +Login to get token	Access API Authentication
storeUuid	param	String	Yes			Store number
barcode	body	String	Yes			Used as commodity id, must be passed, In doubt reference overview
qrcode	body	String	no			Product QR code

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information



request address

<http://esl.ylwlesi.com:9191/V2/second/good?storeUuid=30>

Request example

```
[
{
  "barcode": "6901939721249",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
  "label2": "http://minew.com",
  "label3": "6901939721247",
  "label4": "Fanta 2.5L/bottle",
  "label5": "Fanta",
  "label6": "5.80",
  "label7": "Delicious",
  "label8": "2.5L/bottle",
  "label9": "A",
  "label10": "Bottle",
  "label11": "China",
  "label12": "Kaikou",
  "photo1": "data:image/jpeg;base64,/9j/9AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAA
gAAQESAAMAAA / 2Q ==",
  "photo2": "data:image/jpeg;base64,/7j/8AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAA
SDDFDDFSDFSDFAAMAAA/3Q=="
},
{
  "barcode": "6901939721248",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
  "label2": "http://minew.com",
  "label3": "6901939721247",
  "label4": "Fanta 2.5L/bottle",
  "label5": "Fanta",
  "label6": "5.80",
  "label7": "Delicious",
  "label8": "2.5L/bottle",
  "label9": "A",
  "label10": "Bottle",
  "label11": "China",
  "label12": "Delicious"
}
```

```
}
```

```
]
```

Example of successful return

```
{
    "status": 200,
    "msg": "Success",
    "data": [
        {
            "code": "200",
            "message": "Success"
        },
        {
            "code": "200",
            "message": "Success"
        }
    ]
}
```

Failure return example

```
{
    "status": 200, "msg": "Success",
    "data": [
        {
            "code": "405",
            "message": "Barcode error"
        },
        {
            "code": "405",
            "message": "Barcode error"
        }
    ]
}
```

Error code list

status code	describe
200	success
401	Store code is empty
430	Permission denied
400	No such store code
Code	
200	success
405	barcode error
464	Product id can only consist of numbers and letters
465	Barcodes can only consist of numbers and letters

2. Delete product information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: DELETE

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/good

API description: Delete product information

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description		

Authorization	header	String	Yes		Bearer + sky grid + login to get fetched token	Access the API itself certification
storeUuid	param	String	Yes		- Store number	
barcode	body	String	Yes			used as a commodity id, must be passed, In doubt see Exam overview

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesi.com:9191/V2/second/good?storeUuid=30>

Request example

```
[
{
  "barcode": "6901939721249"
},
{
  "barcode": "6901939721248"
}
]
```

Example of successful return

```
{
  "status": 200,
```



```
"msg": "Success"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

status code	describe
200	success
401	Store code is empty
407	failed to delete
430	Permission denied
400	No such store code

3. Modify product information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: PUT

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/good

API description: Modify product information

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description
Authorization	header	String	Yes	Bearer + sky grid + login to get fetched token	Access the API itself certification
storeUuid	param	String	Yes		Store number
barcode	body	String	Yes		used as a commodity id, must be passed, In doubt reference Overview
qrcode	body	String	no		Product QR code

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/good?storeUuid=30>

Request example

```
[
{
  "barcode": "6901939721249",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
```

```

"label2":"http://minew.com",
"label3":"6901939721247",
"label4":"Fanta 2.5L/bottle",
"label5":"Fanta",
"label6": "5.80",
"label7":"Delicious",
"label8":"2.5L/ý",
"label9":"A",
"label10":"Bottle",
"label11":"China",
"label12":"Delicious",
"photo1":"data:image/jpeg;base64,/9j/9AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAA gAAQESAAMAAA/
2Q==",
"photo2":"data:image/jpeg;base64,/7j/8AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAA
SDDFDDFSDFSDFAAMAAA/3Q=="
},
{
"barcode":"6901939721248",
"qrcode":"http://minew.com",
"label1":"6901939721247",
"label2":"http://minew.com",
"label3":"6901939721247",
"label4":"Fanta 2.5L/bottle",
"label5":"Fanta",
"label6": "5.80",
"label7":"Delicious",
"label8":"2.5L/ý",
"label9":"A",
"label10":"Bottle",
"label11":"China",
"label12":"Delicious"
}

```

] successfully return example

```
{
  "status": 200,
  "msg": "Success",
  "data": [
    {
      "code": "200",
      "message": "Success"
    },
    {
      "code": "200",

```

```

    "message": "Success"
  }
}

}

```

Failure return example

```

{
  "status": 200,
  "msg": "Success",
  "data": [
    {
      "code": "405",
      "message": "The current store does not have this item ID or the item ID is wrong"
    },
    {
      "code": "405",
      "message": "The current store does not have this item ID or the item ID is wrong"
    }
  ]
}

```

Error code list

status code	describe
200	success
401	Store code is empty
430	Permission denied
400	No such store code
Code	
200	success
405	The current store does not have this item ID or item ID error

4. Single product push (supports image parameters in base64 format, see description)

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/good/brush

API description: Modify the product information and refresh the content of the price tag

bound to the product. Only the content of a single product can be modified. The interface parameters photo1, photo2, photo3, photo4, photo5

Support image brushing in base64 string format; upload sample images in the binding template, and pass them through interface parameters.

The resolution class of the image cannot exceed the resolution of the image in the template, just set the value of the image parameter to "".

parameter name	parameter position	data type	must	default value	parameter example	description
Authorization	header	String	Yes		Bearer + sky grid + login to get fetched token	Access the API itself certification
storeUuid	param	String	Yes		- Store number	cloud platform view
barcode	body	String	Yes			used as a commodity id, must be passed, In doubt reference Overview
qrcode	body	String	no			Product QR code
...
photo1	body	String	no			Base64 encoded characters
Photo2	body	String	no			Base64 encoded characters
Photo3	body	String	no			Base64 encoded characters
Photo4	body	String	no			Base64 encoded characters
Photo5	body	String	no			Base64 encoded characters

request parameter list

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/good/brush?storeUuid=30>

Pass the image by parameter, request example

```
{
  "barcode": "6901939721249",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
  "label2": "http://minew.com",
  "label3": "6901939721247",
  "label4": "Fanta 2.5L/bottle",
  "label5": "Fanta",
  "label6": "5.80",
  "label7": "Delicious",
  "label8": "2.5L/瓶",
  "label9": "A",
  "label10": "Bottle",
  "label11": "China",
  "label12": "Delicious",
  "photo1": "data:image/jpeg;base64,/9j/9AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAAA"
  gAAQESAAAMAAA / 2Q ==",
  "photo2": "data:image/jpeg;base64,/7j/8AAQSkZJRgABAQEASABIAAD/4QAiRXhpZgAATU0AKgAAAAA
  SDDFDDFSDFSDFAAMAAA/3Q=="
}
```

If you want to delete images in product data, request example

```
{
  "barcode": "6901939721249",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
  "label2": "http://minew.com",
  "label3": "6901939721247",
  "label4": "Fanta 2.5L/bottle",
  "label5": "Fanta",
  "label6": "5.80",
  "label7": "Delicious",
  "label8": "2.5L/瓶",
  "label9": "A",
  "label10": "Bottle",
  "label11": "China",
  "label12": "Delicious",
  "photo1": "",
  "photo2": "",
  "photo3": "",
  "photo4": "",
  "photo5": ""
}
```

Example of successful return

```
{
  "status": 200, "msg": "Success",
  "data": [
    {
      "code": "200",
      "message": "Success"
    }
  ]
}
```

Failure return example

```
{
  "status": 200,
  "msg": "Success",
```

```

"data": [
  {
    "code": "204",
    "message": "AC233FD0806A Empty Template"
  },
  {
    "code": "201",
    "message": "AC233FD07E4B label is not bound to gateway"
  }
]
  
```

Error code list

status code	describe
201	The label is not bound to a gateway
202	Tags are not imported
203	Abnormal brushing
204	empty template
401	Store code is empty
405	barcode error
406	Item does not have a tag attached
430	Permission denied
400	No such store code
467	barcode does not exist
468	The barcode and barcode text values must be the same

5. Commodity query binding label and its store

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/bind/query

API description: Commodity barcode query binding price tag Mac and store to which it belongs

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description
Authorization	header	String	Yes	Bearer + sky grid + login to get fetched token	Access the API itself certification
barcode	param	String	Yes		used as a commodity id, must be passed, In doubt see Exam overview

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/bind/query?barcode=6954432711321>

Request example

Example of successful return

```
{
  "body": [
    {
      "demoid": "228a6933d5f54951884ae99433ff3d2d",
      "storeId": "test1"
    }
  ]
}
```

```

    "mac": "ac233fd010aa"
  },
  "status": 200,
}

```

Error code list

status code	describe
200	success

6. Change the binding relationship between products, price tags and templates

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwles.com

Port number: 9191

Path: /V2/second/bind/update

API description: Commodity barcode query binding price tag Mac and store to which it belongs

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description		
Authorization	header	String	Yes		Bearer + sky grid + login to get fetched token	Access API Identity Certification	
storeUuid	body	String	Yes			Store number	
barcode	body	String	Yes		- used as item id, Must pass, in doubt Reference overview		
mac	body	String	Yes			Price tag Mac address	

demold	body	String	Yes				Template ID
--------	------	--------	-----	--	--	--	-------------

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/bind/update>

Request example

```
{
  "storeUuid": "30",
  "barcode": "6901939721249",
  "mac": "ac233fd00f39",
  "demold": "37be8ec742d04cba88edb12ad5314993"
}
```

Example of successful return

```
{
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "status": 402,
  "msg": "Modification failed"
}
```

Error code list

status code	describe
200	Successfully modified
401	No such template id or template id error
402	fail to edit
404	parameter exception
405	The current store does not have this item ID or item ID error
411	Label size color is inconsistent with template
412	No information for this label
400	No such store code

7. Modify the binding of the product content and the template, and turn on and off the lights at the same time (support base64 grid**format picture parameters, see description)**

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/pub/binding/update/led

API description: Change the content and template of a single product content

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description	
Authorization	header	String	Yes	. Bearer + sky grid + login to get fetched token	Access the API itself certification	
mac	body	String	Yes	.	mac address	

storeUuid	body	String	Yes			Store number
demold	body	String	Yes			template id
information	body	json object is				
barcode	information n objects	String	Yes			used as a commodity id, must be passed, In doubt see Exam overview
qrcode	information n objects	String	Yes			QR code
label1	information n objects	String	Yes			with barcode the same value
label2	information n objects	String	Yes			with qrcode the same value
label3	information n objects	String	no			
label4	information n objects	String	no			
label5	information n objects	String	no			
label6	information n objects	String	no			
label7	information n objects	String	no			
label8	information n objects	String	no			
label9	information n objects	String	no			
label10	information n objects	String	no			
label11	information n objects	String	no			
label12	information n objects	String	no			
qrcode	body	String	no			product two-dimensional code
color	body	Integer	Yes			representative color Parameters 1~3
total	body	Integer	Yes			Representative lighting total time sheet bits are seconds

period	body	Integer	Yes			Delegate light on Duration unit is built in milliseconds recommended setting 500 millisecond
interval	body	Integer	Yes			On behalf of the light + light off time, unit is milli seconds, reference 900 ms
brightness	body	Integer	Yes			representing the lamp brightness, parameter is 1~100

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information
body	Object	Modify product success and binding relationship

request address

<http://esl.ylwlesl.com:9191/V2/pub/binding/update/led>

Request example

```
{
  "information":{
```

```

"barcode": "12345678",
"qrcode": "http://minew.com",
"label1": "12345678",
"label2": "http://minew.com",
"label3": "12345678",
"label4": "Fanta 2.5L/bottle",
"label5": "Fanta",
"label6": "5.80",
"label7": "Delicious",
"label8": "2.5L/bottle",
"label9": "A",
"label10": "Bottle",
"label11": "China",
"label12": "Delicious"
},
"mac": "ac233fd00f39",
"storeUuid": "test1",
"demold": "37be8ec742d04cba88edb12ad5314993",
"color": 1,
"total": 6,
"period": 500,
"interval": 900,
"brighness": 100
}

```

Example of successful return

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

status code	describe
200	Replaced successfully
200	success

201	The label is not bound to the gateway
206	Product information is abnormal
401	No such template id or template id error
402	fail
411	Label size color is inconsistent with template
412	No information for this label
430	Permission denied
400	No such store code
464	Product id can only consist of numbers and letters
466	wrong product id

8. Get product information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: GET

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/goods/getAll

API description: The interface for obtaining product information

request parameter list

Is the parameter name	parameter position	data type	mandatory?	must	Default value	parameter example	parameter description

					Bearer+ space + sign recorded token	Access API Authentication
page	param	Int	Yes			Paging query start page
size	param	Int	Yes			Included per page Quantity
storeUuid	param	String is				store uuid
fuzzy	param	String No				fuzzy query conditions of

return parameter list

request address

<http://esl.ylwlesl.com:9191/V2/goods/getAll?page=1&size=1000000&storeUuid=111>

Request example

127.0.0.1:9193/V2/goods/getAll?page=1&size=1000000&storeUuid=111

The above means query the products under the store whose storeUuid is 111, and find out and display the first page, each page 1,000,000 pieces of data are displayed.

[127.0.0.1:9193/V2/goods/getAll?page=1&size=1000000&storeUuid=111&fuzz
y=4444](http://127.0.0.1:9193/V2/goods/getAll?page=1&size=1000000&storeUuid=111&fuzz=y=4444)

The above means query the products under the store whose storeUuid is 111, the fuzzy condition is 4444, and find out Display the first page, each page displays 1,000,000 pieces of data.

Example of successful return

```
{
  "body": {
    "page": 1,
    "size": 1000000,
    "totalPage": 1,
    "totalCount": 1,
    "rows": [
      {
        "id": "34234234",
        "barcode": "",
        "qrcode": "",
        "label1": "",
        "label2": "",
        "label3": "1111",
        "label4": "2222",
        "label5": "3333",
        "label6": "4444",
        "label7": "",
        "label8": "",
        "label9": "",
        "label10": "",
        "label11": "",
        "label12": "",
        "label13": "",
        "label14": "",
        "label15": "",
        "label16": "",
        "label17": "",
        "label18": "",
        "photo1": null,
        "photo2": null,
        "photo3": null,
        "photo4": null,
        "photo5": null,
        "status": "Binding",
        "createTime": 1595939789481,
        "updateTime": 1595939789481,
        "msg": null
      }
    ]
  },
}
```

```

  "status": 200
}

```

Failure return example

```

{
  "status": 400,
  "msg": "No such store ID"
}

```

Error code list

Status code (status)	describe
200	search successful
400	No such store code
430	Permission denied
460	Store id cannot be empty

9. The system imports products in batches

API Version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP Request Method:

post Domain Name: esl.ylwlesl.com

Port Number: 9191 Path: /V2/admin/

goods API Description: The system

imports goods in batches

request parameter list

Is the parameter name	parameter position	data type	mandatory?	must	Default value	parameter example	parameter description

Authorization	header	String is			Bearer + sky grid + login to get Take token	Access API Authentication
barcode	body	String	Yes			used as a commodity id, must be passed, In doubt see Exam overview
qrcode	body	String	no			product two-dimensional code

return parameter list

Is the parameter name	parameter position	data type	mandatory?	Default value	parameter example	parameter description
body	1	int	Yes	None 1		product import Number of successes
Status	2	int	Yes	No 200 logo	success	or fail
Msg	3	String is		no success	success or failure specific describe	

request address

<http://esl.ylwlesl.com:9191/V2/admin/goods>

Request example

```
[{"barcode": "34234234",  
 "qrcode": "",  
 "label1": "",  
 "label2": "",  
 "label3": "1111",  
 "label4": ""}]
```

```

"label4": "2222",
"label5": "3333",
"label6": "4444",
"label7": "",
"label8": "",
"label9": "",
"label10": "",
"label11": "",
"label12": "",
"label13": "",
"label14": "",
"label15": "",
"label16": "",
"label17": "",
"label18": "",
"photo1": null,
"photo2": null,
"photo3": null,
"photo4": null,
"photo5": null,
"status": "unbound",
"createTime": 1595939789481,
"updateTime": 1595939789481,
"msg": null
}]
  
```

Example of successful return

```
{
  "body": 1,
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

Status code (status)	describe
200	success
430	Permission denied
436	No product data

10. Bulk commodity lighting

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: post

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/goods/led

API description: Light up the tags bound to bulk products

request parameter list

Is the parameter	name parameter	position	data type	mandatory?	Default value	parameter example	parameter description
Authorization header		String	is	must	.	Bearer+ space + sign recorded token	Access API Authentication
goodsId	body	String	is	.	.		Product Number

storeUuid	param	String				Store number
color	param	int				light color, 0: off, 1: Blue 2: Green Color 3: red
total	param	int				control light total time, single bit s
period	param	int				light once time unit ms
interval	param	int				Lighting interval (light is not on) time unit ms
brightness param		int				the brightness of the lamp, 1~100, bright too inefficient fruit is not obvious

return parameter list

Is the parameter	name parameter	position	data type	mandatory?	Default value	parameter example	parameter description
body	1		Object No	must	none		product correspondence Label response information, yes individual key-value data knot key is item id,

						value is reminder letter
						Breath 405,406 is about business product, its his remainder sign about
status	2	int	Yes	No 200 logo success		or fail
msg	3	String	is	no success	success or	failure specific describe

request address

<http://esl.ylwlesl.com:9191/V2/second/goods/led?storeUuid=30&color=1&total=6&period=500&interval=900&brightness=100>

Request example

```
[{"6901939721247", "6901939721248"}]
```

Precautions

color represents color parameters 1~3

total represents the total lighting time in seconds

period represents the duration of the light in milliseconds. It is recommended to set 500 milliseconds.

interval represents the light on + light off time, the unit is milliseconds, refer to 900 milliseconds

Brigtness represents the brightness of the lamp, the parameter is 1~100

Example of successful return

```
{
  "body": {
    "6901939721247": [
      {
        "code": "200",
        "message": "Success"
      }
    ]
  }
}
```

```

    ],
    "6901939721248": [
      {
        "code": "200",
        "message": "Success"
      }
    ],
    "status": 200,
    "msg": "Success"
  }
}

```

Failure return example

```

{
  "body": {
    "6901939721247": [
      {
        "code": "201",
        "message": "AC233FD15556 The label is not bound to the gateway"
      }
    ],
    "6901939721248": [
      {
        "code": "405",
        "message": "The current store does not have this item ID or the item ID is wrong"
      }
    ],
    "status": 200,
    "msg": "Success"
  }
}

```

Error code list

Status code (status)	describe
200	success
400	no store code
401	no such store

Code	
200	success
201	The label is not bound to the gateway
202	no label information
405	The current store does not have this item ID or item ID error
406	There is no price tag attached to the product

11. Turn off the lights for bulk products

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: post

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/goods/shut

API description: Labels bound to bulk products turn off the lights

request parameter list

Is the parameter name	parameter position	data type	mandatory?	Default value	parameter example	parameter description
Authorization header		String is	must	-	Bearer+ space + sign recorded token	Access API Authentication
goodsId	body	String is				Product Number
storeUuid	param	String is				Store number

return parameter list

Is the parameter	name parameter	position	data type	mandatory?	Default value	parameter example	parameter description
body	1		int	is	must	none	product correspondence Label response information, yes individual key-value data knot key is item id, value is reminder letter Breath 405,406 is about business product, its his remainder sign about
status	2		int	Yes	No 200 logo	success	or fail
msg	3		String	is	no success	success or	failure specific describe

request address

<http://esl.ylwlesl.com:9191/V2/second/goods/shut?storeUuid=30>

Request example

```
[ "6901939721247", "6901939721248" ]
```

Example of successful return

```
{
  "body": {
    "6901939721247": [

```

```
{
  "code": "200",
  "message": "Success"
},
{
  "code": "200",
  "message": "Success"
},
{
  "status": 200,
  "msg": "Success"
}
}
```

Failure return example

```
{
  "body": {
    "456456": [
      {
        "code": "201",
        "message": "AC233FD00056 The label is not bound to the gateway"
      }
    ],
    "456457": [
      {
        "code": "405",
        "message": "The current store does not have this product ID or the product ID is wrong"
      }
    ]
  },
  "status": 200, "msg": "success"
}
```

Error code list

Status code (status)	describe
----------------------	----------

200	success
400	no store code
401	no such store
Code	
200	success
201	The label is not bound to the gateway
202	no label information
405	The current store does not have this item ID or item ID error
406	There is no price tag attached to the product

price tag interface

1. Bind the price tag

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/binding

API description: A template for binding a price tag to a product and setting the price tag

request parameter list

parameter name	parameter position	data type	must	default value	parameter example	parameter description	
Authorization	header	String	Yes	.	Bearer + sky grid + login to get fetched token	Access API Identity Certification	
storeUuid	param	String	Yes	.	- Store number cloud platform view		
barcode	body	String	Yes	.	used as item id, Must pass, in doubt Reference overview		

demold	body	String	Yes			Template number
mac	body	String	Yes			Price tag mac address

return parameter list

parameter name	type of data	Parameter Description
status	Integer	Response code, such as: 200: success
msg	string	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/binding?storeUuid=30>

Request example

```
[
{
  "barcode": "6954432711321",
  "demold": "c92b143d2bb24cd0a8b4ab4377635589",
  "mac": "ac1234567890"
}]
```

Example of successful return

```
{
  "status": 200,
  "msg": "Success",
  "data": [
    {
      "code": "200",
      "message": "ac1234567890"
    }
  ]
}
```

```
    }  
}  
}
```

Failure return example

```
{  
    "status": 430,  
    "msg": "No permission"  
}
```

Error code list

status code	describe
200	success
206	The current store does not have this item ID or item ID error
207	Wrong mac address or this label does not exist
208	No such template id or template id error
209	no screen info
401	Store code is empty
430	Permission denied
400	No such store code

2. Delete the binding

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: DELETE

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/removed

API description: Delete the item bound to the tag

request parameter list

parameter name	parameter position	data type	must default value	parameter example	description	
Authorization	header	String	Yes		Bearer + sky grid + login to get fetched token	Access the API itself certification
storeUuid	body	String	Yes		- Store number	Cloud platform check Look
macs	body	List<String>	Yes		- Label Mac land	array of addresses

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/removed>

Request example

```
{
  "macs": [
    "ac20035415451",
    "ac20322122153"
  ],
  "storeUuid": "test1"
}
```

{}

Example of successful return

```
{
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

status code	describe
200	success
401	Store code is empty
430	Permission denied
400	No such store code

3. Label light control interface

API Version: 2.0.0 Authorization

Type: Authorization Protocol: HTTP Request

Method: PUT Domain Name: esl.ylwlesl.com Port

Number: 9191 Path: /V2/label/led API Description:

Control the price label LED to light red, blue,

green or Lights off

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description
Authorization	header	String	Yes	Bearer + sky grid + login to get fetched token	Access API Identity Certification
storeUuid	param	String	Yes	- Store number Yunping desk view	
mac	param	String	Yes	- Label Mac Address	
color	param	int	Yes		The color of the light, 0: off, 1: blue 2: Green 3: Red
total	param	int	Yes	- Total time to control lights room, unit s	
period	param	int	Yes	- the time the light is on once, Unit ms	
interval	param	int	Yes		- Lighting interval (lights not bright) time, unit ms
brigtness	param	int	Yes		the brightness of the lamp, 1~100, the brightness is too Low effect is not obvious

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/label/led?storeUuid=1&mac=AC233FD0806A&color=>

1&total=3600&period=500&interval=1000&brigthness=50

Request example

Example of successful return

```
{
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

status code	describe
200	success
401	Store code is empty
402	The label is not bound to a gateway
430	Permission denied
400	No such store code
435	This mac address is wrong or the label does not exist

4. Price tag query bound product

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Website: www.minewtech.com

Tel: 0755-2103 8160

Email: salescn@minew.com

Port number: 9191

ÿÿ/V2/pub/binding/queryBindingLabelMessage

API description: price tag Mac query bound product

request parameter list

parameter name	parameter position	data type	must default value	parameter	example parameter	description
Authorization header		String	Yes		Bearer+space+ Login to get token	Access API Authentication
mac	param	String	Yes			price tag mac

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information
body	Object	data returned

request address

<http://esl.ylwlesl.com:9191/V2/pub/binding/queryBindingLabelMessage?mac=ac233fd01bfc>

Request example

Example of successful return

```
{
  "body": {
    "id": "5fb7271b936c33e89c319485",
    "mac": "ac233fd01bfc",
    "goods": {

```



```
"label40": null,  
"label41": null,  
"label42": null,  
"label43": null,  
"label44": null,  
"label45": null,  
"label46": null,  
"label47": null,  
"label48": null,  
"label49": null,  
"label50": null,  
"photo1": null,  
"photo2": null,  
"photo3": null,  
"photo4": null,  
"photo5": null,  
"status": "Binding",  
"createTime": 1598250396845,  
"updateTime": 1603424911457,  
"msg": null  
},  
"only": "666",  
"storeId": 1,  
"screenInfo": {  
    "id": "5d5384ece90640057bf21778",  
    "colour": "red",  
    "screenSize": {  
        "inch": 5.83,  
        "width": 648,  
        "height": 480  
    },  
    "screeninfo": "000f",  
    "firmwareType": "OTA2"  
},  
"goodsLabel": null,  
"templets": [  
    {  
        "id": "5fb7286070aa4900010cf1ec",  
        "mac": "ac233fd01bfc",  
        "demold": "c70dd5f7ee0f4f68b453ca39acf14802",  
        "demoName": "Template8",  
        "effect": true,  
        "use": false,  
        "templateType": "1",  
    }]
```

```

    "promotionStartTime": null,
    "promotionEndTime": null,
    "createTime": 1605838944766
  }
}

},
"status": 200
}

```

Failure return example

```
{
  "status": 431,
  "msg": "No binding relationship found"
}
```

Error code list

status code	describe
200	success
431	No binding relationship found
412	No information for this label

5. Get a list of price tags

API Version: 2.0.0

Authorization Type: Authorization Protocol:

HTTP Request Method: POST Domain

Name: esl.ylwlesl.com Port Number: 9191

Path: /V2/pub/label/query API Description:

Get the list of price labels of the current
store

request parameter list

parameter name	parameter position	data type	must default	value parameter	example parameter	description
----------------	--------------------	-----------	--------------	-----------------	-------------------	-------------

Authorization	header	String	Yes		Bearer + sky grid + login to get fetched token	Access API Identity Certification
page	param	int	Yes		page=1	page number
size	param	int	Yes		Size=10 Total per page	
storeUuid	param	String	Yes		storeUuid = test1	store's uid
inch	param	double	no		Inch=2.9 size of price tag	
mac	param	String	no		mac=ac123 12545	mac address, use for mac address fuzzy search

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/label/pub/label/query?storeUuid=30&page=1&size= 10&inch=1.54>

Example of successful return

```
{
  "body": {
    "pageNum": 1,
```

```

"pageSize": 5,
"size": 5,
"startRow": 0,
"endRow": 4,
"total": 5,
"pages": 1,
"list": [
  {
    "uuid": "77b28844384611ea88ce0242c0a86003",
    "mac": "ac233fd00f31",
    "screenSize": "000a",
    "type": "0",
    "activekey": "",
    "password": null,
    "battery": 100,
    "lastupdate": 1579321917000,
    "heartbeat": "0",
    "firmware": "1.0.17",
    "hardware": "0003",
    "software": null,
    "protocolStack": null,
    "manufacturer": "Minew",
    "temperature": 21,
    "chip": "01",
    "rss": -61,
    "peripheral": "0000",
    "createTime": 1579168590000,
    "updateTime": 1580799457000,
    "storeId": 5,
    "correspond": null
  },
  {
    "uuid": "77b28915384611ea88ce0242c0a86003",
    "mac": "ac233fd01b98",
    "screenSize": "000c",
    "type": "0",
    "activekey": "",
    "password": null,
    "battery": 100,
    "lastupdate": 1579336928000,
    "heartbeat": "0",
    "firmware": "1.0.30",
    "hardware": "0004",
    "software": null,
  }
]

```

```

    "protocolStack": null,
    "manufacturer": "Minew",
    "temperature": 22,
    "chip": "01",
    "rssi": -61,
    "peripheral": "0000",
    "createTime": 1579168590000,
    "updateTime": 1580799457000,
    "storeId": 5,
    "correspond": null
  }
],
"prePage": 0,
"nextPage": 0,
"isFirstPage": true,
"isLastPage": true,
"hasPreviousPage": false,
"hasNextPage": false,
"navigatePages": 8,
"navigatepageNums": [
  1
],
"navigateFirstPage": 1,
"navigateLastPage": 1,
"firstPage": 1,
"lastPage": 1
}
}

```

Failure return example

```
{
  "body": {
    "pageNum": 1,
    "pageSize": 5,
    "size": 5,
    "startRow": 0,
    "endRow": 4,
    "total": 5,
    "pages": 1,
    "list": [],
    "prePage": 0,
    "nextPage": 0
  }
}
```

```

  "isFirstPage": true,
  "isLastPage": true,
  "hasPreviousPage": false,
  "hasNextPage": false,
  "navigatePages": 8,
  "navigatepageNums": [
    1
  ],
  "navigateFirstPage": 1,
  "navigateLastPage": 1,
  "firstPage": 1,
  "lastPage": 1
},
"status":200
}
  
```

Error code list

status code	describe
400	No such store ID

6. Price tag binding gateway

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/label/bingding

API description: Price tag binding gateway

request parameter list

parameter name	parameter position	data type	must default value	parameter	example	parameter description	
Authorization	header	string	Yes			Bearer+empty access API itself	

					grid + login to get fetched token	certification
mac	body	String	Yes			price tag mac address
storeUuid	param	String	Yes			store uuid

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/label/bingding?storeUuid=30>

Request example

```
[
  "ac2331254864",
  "ac2331254865",
  "ac2331254865"
]
```

Example of successful return

```
{  
    "status": 200,  
    "msg": "Success"  
}
```

Failure return example

```
{  
    "status": 400,  
    "msg": "No such store ID" }
```

Error code list

status code	describe
400	No such store ID
407	Please add gateway first
463	no gateway online

7. Batch add price tags

API Version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP Request Method:

POST Domain Name:

esl.ylwlesl.com Port Number: 9191

Path: /V2/second/label/add

API description: Batch add price tags

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description		
Authorization	header	String	Yes		Bearer+space +Login to get token	Access the API itself certification	
labelList	body	List<Label>	Yes				
mac	body	String	Yes			price tag mac address	
activekey	body	String	Yes			price tag key	
storeUuid	param	String	Yes			store's uuid	

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
code	int	The response code of a specific single price tag, such as 200 added successfully
message	String	The specific return information corresponding to the price tag

request address

<http://esl.ylwlesl.com:9191/V2/second/label/add?storeUuid=30>

Request example

```
[
{
  "mac": "ac2331254864",
  "activekey": "3141592653589793",
  {
    "mac": "ac2331254865",
    "activekey": "3141592653589793",
    {
      "mac": "ac2331254865",

```



```
"activekey": "3141592653589793"}  
]
```

Example of successful return

```
{
  "body": [
    {
      "code": "200",
      "message": "ok"
    },
    {
      "code": "200",
      "message": "ok"
    },
    {
      "code": "212",
      "message": "mac:ac2331254865 Price tag added"
    }
  ],
  "status": 200
}
```

Failure return example

```
{
  "status": 408,
  "msg": "No incoming price tag data"
}
```

Error code list

Status code (status)	describe
400	No such store ID
408	No incoming price tag data

Status code (code)	describe
200	success
211	The length of the mac is less than 12 digits or the length of the key is less than 16
212	price tag added

8. Price tag image rendering

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/rendering

API description: Price tag image rendering

request parameter list

parameter name	parameter position	data type	must	default value	parameter example	parameter description
Authorization header		String	is		Bearer + sky grid + login to get fetched token	Access API Authentication
demold	param	String	Yes			template id
barcode	body	String	Yes			used as a commodity id, must be passed, In doubt see Exam overview
qrcode	body	String	No			product two-dimensional code

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
body	String	Data for price tag image rendering

request address

<http://esl.ylwlesl.com:9191/V2/second/rendering?demold=dasdadasdasdas>

Request example

```
{
  "barcode": "6901939721247",
  "qrcode": "http://minew.com",
  "label1": "6901939721247",
  "label2": "http://minew.com",
  "label3": "6901939721247",
  "label4": "Fanta 2.5L/bottle",
  "label5": "Fanta",
  "label6": "5.80",
  "label7": "Delicious",
  "label8": "2.5L/瓶",
  "label9": "A",
  "label10": "Bottle",
  "label11": "China",
  "label12": "Delicious"
}
```

Example of successful return

```
{  
    "body": "0200062500000000A09735Efff"  
    "status": 200  
}
```

Failure return example

```
{  
    "status": 213,  
    "msg": "Image rendering exception"  
}
```

Error code list

Status code (status)	describe
200	success
409	Template does not exist
410	Image rendering is abnormal

9. Batch brush pictures

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/pub/batchBrushAsync

API description: When the price tag has been bound to the template, gateway, and commodity, it can be batched through the tag mac
Brush map

request parameter list

Is the parameter name parameter	position	data type	mandatory?	Default value	parameter example	parameter description
Authorization header		String is	must	.	Bearer+ space + sign recorded token	Access API Authentication
storeUuid	params	String is				store uuid
mac	body	String is				label mac address

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/pub/batchBrushAsync?storeUuid=30>

Request example

```
["ac233fd00a6d","ac233fd0007d","ac233fd05105"]
```

Example of successful return

```
{
  "status": 200,
  "msg": "Batch image refresh successfully delivered"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "Store ID cannot be empty"
}
```

Error code list

Status code (status)	describe
200	Batch brushing pictures successfully issued
421	The mac address of the brush cannot be empty
430	Store number cannot be empty

10. Query the specific information of the price tag

API Version: 2.0.0

Authorization Type: Authorization Protocol:

HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/pub/queryLabelMessage

API description: Query the specific information of the tag according to the tag mac

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description	
Authorization	header	String	Yes	Bearer + sky grid + login to get fetched token	Access the API itself certification	
mac	param	String	Yes	-	- Price tag Mac	

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/pub/queryLabelMessage?mac=ac233fd0aeb7>

Request example

Example of successful return

```
{
  "body": {
    "uuid": "3c68d3200c8b11eb83580242c0a8c003",
  }
}
```

```

    "mac": "ac233fd0aeb7",
    "screenSize": "0010",
    "type": "1",
    "activekey": "3141592653589793",
    "password": null,
    "battery": 100,
    "lastupdate": 1603952175000,
    "heartbeat": "1728480",
    "firmware": "1.0.33",
    "hardware": "0006",
    "software": null,
    "protocolStack": null,
    "manufacturer": "Minew",
    "temperature": 25.0,
    "chip": "01",
    "rss": -61,
    "peripheral": "0000",
    "createTime": 1602507771000,
    "updateTime": 1603952174000,
    "storeId": 63
    "correspond": null
},
"status": 200
}
  
```

Failure return example

```

{
  "status": 412,
  "msg": "No information for this tag"
}
  
```

Error code list

status code	describe
200	Body:{}
412	No information for this label

11. Batch delete price tags through the MAC address of the price tag

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/pub/label/batchDelete

API description: Batch delete price tags by their MAC addresses

request parameter list

parameter name	parameter position	data type	must	default	Parameter example	parameter description
Authorization	header	String is - Bearer + space + sign	must	value	record the acquired token	Access the API itself certification
mac	body	String is -			["ac233fd08a12" 'ac233fd08a16'] a string in	Label's MAC
storeId	param	String is			121212	store uuid

return parameter list successfully

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

return parameter list on failure

parameter name	type of data	Parameter Description
status	int	Response code, such as: 443
msg	String	Error message description, eg: Invalid Macs exist
body	array	Invalid data display, such as: ["98bc5a77018f", "ac233fd00730", "ac233fd00fe5"]

request address

<http://esl.ylwlesl.com:9191/V2/pub/label/batchDelete?storeUuid=2>

Request example



POST <http://eslylwleal.com:9191/V2/pub/label/batchDelete?storeUuid=2>

Params: Authorization Headers (11) Body Pre-request Script Tests Settings

Body Type: JSON

```
[{"mac": "ac233fd008107"}, {"mac": "ac233fd008111"}]
```

Example of successful return

```
{
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "body": [
    {
      "mac": "ac233fd008107",
      "error": "Mac address already exists"
    }
  ]
}
```



```

    "ac233fd007c0"
],
"status": 443,
"msg": "Invalid Macs exist"
}

```

Error code list

status code	describe
200	Body: {}
430	Permission denied
443	mac does not exist
400	No such store ID

Template interface

1. Query template

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: GET

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/template

API description: Get the list of templates under the store

request parameter list

parameter name	parameter position	data type	must	default value	parameter example	parameter description
Authorization header		String	Yes		Bearer + sky grid + login to get fetched token	Access API Identity Certification

storeUuid	param	String	Yes		- Store number Yunping desk view
name	param	int	no		- template name, not query all modules plate
page	param	int	Yes	1	current page number
size	param	int	Yes	15	- Number of records per page
inch	param	double no		2.9	Template size
color	param	int	no	1	Template Color: 1 is black and white 2 is black and white red 3 is black and white yellow

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information
totalPage	int	The total number of pages of the query template
totalCount	int	Query template total records
rows	object	Template object composition data
demold	String	Template number
demoName	String	template name
screenSize	object	Adapt to screen size
outdated	object	template data

request address

<http://esl.ylwlesl.com:9191/V2/second/template?storeUuid=0&page=1&size=15&inch=2.9&color=2>

Request example

Example of successful return

```
{
  "page": 1,
  "size": 15,
  "totalPage": 1,
  "totalCount": 10,
  "rows": [
    {
      "demoid": "37be8ec742d04cba88edb12ad5314993",
      "demoName": "2.9 Black-White-Red-System Template",
      "screenSize": {
        "inch": 2.9,
        "width": 296,
        "height": 128
      },
      "demoData": "{\"inch\":2.9,\"size\":{\"width\":296,\"height\":128},\"transpose\":0,\"rgbtype\":1,\"text\":{\"label4\":{\"x\":3,\"y\":13,\"font-size\":16,\"align\":\"left\",\"bold\":true,\"prefix\":false,\"color\":\"white\"},\"label6\":{\"x\":129,\"y\":66,\"font-size\":16,\"align\":\"left\",\"bold\":true,\"prefix\":true,\"color\":\"black\"},\"label8\":{\"x\":1,\"y\":69,\"font-size\":12,\"align\":\"left\",\"bold\":false,\"prefix\":true,\"color\":\"black\"},\"label7\":{\"x\":1,\"y\":49,\"font-size\":12,\"align\":\"left\",\"bold\":false,\"prefix\":true,\"color\":\"black\"},\"label10\":{\"x\":1,\"y\":88,\"font-size\":12,\"align\":\"left\",\"bold\":false,\"prefix\":true,\"color\":\"black\"},\"label13\":{\"x\":124,\"y\":98,\"font-size\":25,\"align\":\"left\",\"bold\":false,\"prefix\":true,\"color\":\"white\"},\"effect\":\"minitail-up\"},\"grapcodes\":{\"qrcode\":{\"type\":\"qr\",\"x\":251,\"y\":2,\"color\":\"black\"},\"layer\":{\"mono\":1,\"width\":43,\"height\":43},\"barcode\":{\"type\":\"code128\",\"x\":2,\"y\":108,\"color\":\"black\"},\"layer\":{\"mono\":1,\"barwidth\":1,\"barheight\":20}},\"shapes\":[\"shape1\":{\"type\":\"rectangle\",\"border\":1,\"color\":\"red\",\"x1\":-2.5,\"y1\":-5.5,\"x2\":297.5,\"y2\":46.5,\"fill-mode\":\"fill\",\"spec\":{\"rect\"},\"shape2\":{\"type\":\"ellipse\",\"border\":1,\"color\":\"red\"},\"x1\":122.5,\"y1\":50.5,\"x2\":301.5,\"y2\":115.5,\"fill-mode\":\"fill\",\"spec\":{\"ellipse\"},\"shape3\":{\"type\":\"rectangle\",\"border\":1,\"color\":\"red\"},\"x1\":123.5,\"y1\":84.5,\"x2\":301.5,\"y2\":133.5,\"fill-mode\":\"fill\",\"spec\":{\"rect\"},\"shape4\":{\"type\":\"line\"},\"x1\":123,
```

```
\"y1\":86,\"x2\":296,\"y2\":86,\"color\":\"black\",\"border\":1}),"shape5":{\\"type
\"\\\"line\\\",\"x1\":296,\"y1\":86,\"x2\":296,\"y2\":86,\"color\":\"black\",\"border\\
\":1}}},  
"color": "red",  
"previewing": {  
    "barcode": null,  
    "qrcode": null,  
    "label1": null,  
    "label2": null,  
    "label3": text,  
    "label4": "text",  
    "label5": null,  
    "label6": "text",  
    "label7": null,  
    "label8": "text",  
    "label9": text,  
    "label10": "null",  
    "label11": null,  
    "label12": text,  
    "label13":null,  
    "label14": null,  
    "label15": null,  
    "label16": null,  
    "label17": null,  
    "label18": null,  
    "photo1": null,  
    "photo2": null,  
    "photo3": null,  
    "photo4": null,  
    "photo5": null  
},  
"storeId": 0,  
"orientation": 0  
},
```

store interface

1. Get store information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/pub/store/query

API description: Get the stores owned by the current user

request parameter list

parameter name	parameter position	data type	must default value	example parameter	description	
Authorization	header	String	Yes	-	Bearer + sky grid + login to get fetched token	Access the API itself certification

return parameter list

request address

<http://esl.ylwlesl.com:9191/V2/second/pub/store/query>

Request example

Example of successful return

```
{  
  "body": [  
    {  
      "id": "110",  
      "uuid": "test1",  
      "name": "Longhua Store",  
      "active": false,  
      "image": "",  
      "description": "test8"  
    },  
    {  
      "id": "112",  
      "uuid": "test1",  
      "name": "Qinghu Store",  
      "active": true,  
      "image": "",  
      "description": "test8"  
    }  
],  
  "status": 200  
}
```

Failure return example

```
{  
  "body": {},  
  "status": 200  
}
```

2. Add a store

API Version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/pub/store/add

API description: Add store

request parameter list

parameter name	parameter position	data type		must	default value	Parameter example	parameter description
Authorization	header	The string is -	Bearer+space+den				Access the API itself certification record the acquired token
storeId	RequestBody	string is -				"188"	store uuid
name		The RequestBody string is				"188"	Store name
address		The RequestBody string is				"Clear Lake"	Store address
image		RequestBody string no				"/advertIMG/3165918132649.jpg / advertIM G/3165918132649.jp g"	image link

return parameter list successfully

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: Store added successfully
msg	String	Return to prompt information

return parameter list on failure

parameter name	type of data	Parameter Description
status	int	Response code, such as: 430
msg	String	Error message description, such as: no permission

request address

<http://esl.ylwlesl.com:9191/V2/pub/store/add>

Request example



The screenshot shows the Postman interface with the following details:

- Method: POST
- URL: <http://esl.ylwlesl.com:9191/V2/pub/store/add>
- Headers (11) tab is selected.
- Body tab is selected, indicated by a green dot.
- Content type: application/json
- Body content:

```
1  {"storeUuid": "18", "name": "18", "address": "1"}
```
- Other tabs: Params, Authorization, Pre-request Script, Tests, Settings.
- Content type dropdown: none, form-data, x-www-form-urlencoded, raw (selected), binary, GraphQL, JSON.

Example of successful return

```
{
  "status": 200,
  "msg": "Store added successfully"
}
```

Failure return example

```
{
  "status": 430,
  "msg": "No permission"
}
```

Error code list

status code	describe
200	Store added successfully
400	Missing request parameter
430	Permission denied
448	uuid can only consist of numbers and letters
449	uuid cannot be empty
450	The length of uuid cannot be greater than 20
451	Store name cannot be empty
452	Store name length cannot exceed 40
453	Store address cannot be empty
454	The length of the store address cannot exceed 100
455	The image path does not meet the specification
500	Failed to add store
510	This store number has been added

3. Upload pictures

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/pub/singlefile/upload

API description: Add store

request parameter list

parameter name	parameter position	data type		must	default value	Parameter example	parameter description
Authorization	header	String is - Bearer + space + sign				record the acquired token	Access the API itself certification
file	body	MultipartForm with	Yes-				Representative picture document

return parameter list successfully

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: Image upload successfully
msg	String	Return to prompt information

return parameter list on failure

parameter name	type of data	Parameter Description
status	int	Response code, such as: 445
msg	String	Error message description, such as: upload failed

request address

<http://esl.ylwlesl.com:9191/V2/pub/singlefile/upload>

Request example

POST ▼ <http://localhost:9192/V2/pub/singlefile/upload>

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> file	下载.jpg <input type="button" value="X"/>	
Key	Value	Description

Example of successful return

```
{
  "status": 200,
  "msg": "Picture uploaded successfully"
}
```

Failure return example

```
{
  "status": 444, "msg":
  "Only support jpg,jpeg,png format"
}
```

Error code list

status code	describe
200	Image upload successfully
444	Only images in jpg.jpeg, png format are supported

445	upload failed
446	Image length and width cannot exceed 370px
447	Image upload size over 250kb

Other interfaces

1. Subscribe to push service

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/pub/updatePushUrl

API description: Subscribe to the store's price tag brush map feedback information

request parameter list

parameter name	parameter position	data type	must	default value	parameter example	parameter description
Authorization	header	String	Yes		Bearer+space+ Login to get token	Access the API itself certification
pushUrl	body	String	Yes		like http://192.1 68.0.11:8080 /push	place of push address, must post

return parameter list

parameter name	type of data	Parameter Description

status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

Request example

Example of successful return

```
{
  "status": 200,
  "msg": "Success"
}
```

Failure return example

```
{
  "status": 438,
  "msg": "The user has no store assigned"
}
```

Error code list

status code	describe
200	success
404	Interface exception
438	User does not have a store assigned

Pushed data format:

```
{
  "commodity": "333333333333",
  "mac": "ac233fc96651",
  "operationType": "Brush map",
```

```
"result": "Successful image brushing",
"code": 301,
"username": "test8",
"storeUuid": "1",
}
```

Push status code list

status code	describe
301	Brush the picture successfully
302	Failed to brush
303	wrong key
304	update successed
305	upgrade unsuccessful
306	Invalid upgrade package
307	update timeout
308	Upgrade timed out
309	abnormal screen
310	Gateway offline
311	Template exception
312	Gateway firmware exception

2. Get warning information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: GET

Domain Name: esl.lyllesl.com

Port number: 9191

ÿþ/V2/second/warning/getWarningInformation

API description: The interface for obtaining early warning information

request parameter list

Is the parameter name parameter	position	data type	mandatory?	Default value	parameter example	parameter description
Authorization header		String is	must	.	Bearer+ space + sign recorded token	Access API Authentication
type	param	String No				pass empty or do not pass default inquiry Yes, incoming brush is Brush map upgrade for upgrade
storeUuid	param	String is				store uuid

return parameter list

request address

<http://esl.ylwlesl.com:9191/V2/warning/getWarningInformation>

Request example

localhost:9193/V2/warning/getWarningInformation?storeUuid=153&type=brush The above means to query all the brush warning information under the store with uid 153

127.0.0.1:9193/V2/warning/getWarningInformation?storeUuid=153 The above means to query all the warning information for brushing pictures below the store with uid of 153

Example of successful return

```
{
  "body": [
    {
      "id": "5f223f756ce5a87106cabf79",
      "mac": "ac233fd00021",
      "gatewayMac": "AC233FC03D51",
      "key": null,
      "screenSize": 0,
      "image": null,
      "imageId": 0,
      "storeId": 153,
      "operator": "SystemTaskNine",
      "commodity": null,
      "currentVersion": null,
      "upgradeVersion": null,
      "labelpackId": "5eeb5b15c2e36642ad17a7d5",
      "data": null,
      "operation": "upgrade",
      "opCode": null,
      "createTime": 1596079989083,
      "bingingFailure": 0,
      "bingingTotal": 0,
      "flag": 0
    },
    {
      ...
    }
  ]
}
```

```
"id": "5f223dbd6ce5a87106caae9f",
"mac": "ac233fd000d8",
"gatewayMac": "AC233FC03D51",
"key": null,
"screenSize": 0,
"image": null,
"imageId": 0,
"storeId": 153
"operator": "SystemTaskNine",
"commodity": null,
"currentVersion": null,
"upgradeVersion": null,
"labelpackId": "5eeb5b15c2e36642ad17a7d5",
"data": null,
"operation": "upgrade",
"opCode": null,
"createTime": 1596079549118,
"bingingFailure": 0,
"bingingTotal": 0,
"flag": 0
},
{
"id": "5f2238276ce5a87106ca3a4e",
"mac": "ac233fd0130c",
"gatewayMac": "AC233FC03D51",
"key": null,
"screenSize": 0,
"image": null,
"imageId": 0,
"storeId": 153
"operator": "SystemTaskNine",
"commodity": null,
"currentVersion": null,
"upgradeVersion": null,
"labelpackId": "5eeb5b15c2e36642ad17a7d5",
"data": null,
"operation": "upgrade",
"opCode": null,
"createTime": 1596078119005,
"bingingFailure": 0,
"bingingTotal": 0,
"flag": 0
}
],
}
```

```

  "status": 200
}

```

Failure return example

```

{
  "status": 400,
  "msg": "No such store ID"
}

```

Error code list

Status code (status)	describe
200	search successful
400	No such store ID
430	Store number cannot be empty

gateway interface

1. Query gateway information

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: GET

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/gateway

API description: Get the list of templates under the store

request parameter list

parameter name	parameter position	data type	must default	value	parameter example	parameter description	
Authorization header	String			Yes	-	Bearer + sky	Access API Identity

					fetched token	
storeUuid	body	String	Yes		- Store number Yunping View or pick up mouth	
page	body	int	Yes	1		current page number
size	body	int	Yes	15	- Number of records per page	

return parameter list

parameter name	type of data	Parameter Description
status	Integer	Response code, such as: 200: success
list	Collection Json object data	Template object composition data
uuid	string	gateway id
name	string	gateway name
mac	string	gateway mac
mode	string	state
storeId	Integer	store id
hardware	string	hardware version
firmware	string	Firmware version
product	string	Product number
bluetooth	string	Bluetooth version
wifiVersion	string	Wifi version
bleVersion	string	Bluetooth version
subModel	string	model

createTime	date type	creation time
updatetime	date type	Change the time

request address

<http://esl.ylwlesl.com:9191/V2/gateway?storeUuid=0&page=1&size=15>

Request example

Example of successful return

```
{
  "pageNum": 1,
  "pageSize": 2,
  "size": 2,
  "startRow": 0,
  "endRow": 1,
  "total": 2,
  "pages": 1,
  "list": [
    {
      "uuid": "502b1acf6e6511eaacbb0242c0a84002",
      "name": "AC233FC03CE9",
      "mac": "AC233FC03CE9",
      "mode": "Offline",
      "storeId": null,
      "hardware": null,
      "firmware": null,
      "product": null,
      "bluetooth": null,
      "wifiVersion": "2.1.2",
      "bleVersion": "1.0.12",
      "subModel": "g1-d-pro",
      "createTime": 1585119200000,
      "updateTime": 1590467145000
    }
  ],
  "prePage": 0
}
```

```
"nextPage": 0,  
"isFirstPage": true,  
"isLastPage": true,  
"hasPreviousPage": false,  
"hasNextPage": false,  
"navigatePages": 8,  
"navigatepageNums": [  
    1  
,  
    "navigateFirstPage": 1,  
    "navigateLastPage": 1,  
    "firstPage": 1,  
    "lastPage": 1  
}  
}
```

Failure return example

```
{  
    "status":  
    "msg": ""  
}
```

Error code list

status code	describe

2. Add gateway

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/gateway

API description: Gateway add

request parameter list

parameter name	parameter position	data type	must default value	parameter example	parameter description	
Authorization header		String	Yes		Bearer + sky grid + login to get fetched token	Access API Authentication
storeUuid	param	String	Yes			store uuid
name	body	String	Yes			gateway name
mac	body	String				gateway mac address

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/gateway?storeUuid=30>

Request example

```
{
  "name": "Fanta 2.5L",
  "mac": "1112312312"
}
```

Example of successful return

```
{
  "msg": "Gateway added successfully",
  "status": 200
}
```

Failure return example

```
{
  "status": 437,
  "msg": "The mac address is incorrect"
}
```

Error code list

Status code (status)	describe
200	Gateway added successfully
401	Store code is empty
420	parameter exception

430	Permission denied
400	No such store code
437	Incorrect mac address

3. Modify the gateway

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: PUT

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/second/gateway

API description: Modify the name according to the mac

request parameter list

parameter name	parameter position	data type	must default value	example parameter	description	
Authorization header		String is			Bearer + sky grid + login to get fetched token	Access API Authentication
gateways	body	Gateways are				

storeUuid	param	String	Yes			store uuid
-----------	-------	--------	-----	--	--	---------------

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/second/gateway?storeUuid=30>

Request example

```
{
  "name": "Fanta 2.5L",
  "uuid": "1112312312"
}
```

Example of successful return

```
{
  "msg": "Gateway modified successfully",
  "status": 200
}
```

Failure return example

```
{  
    "status": 400,  
    "msg": "No such store code"  
}
```

Error code list

Status code (status)	describe
200	Gateway modified successfully
401	Store code is empty
420	parameter exception
422	Gateway modification failed
430	Permission denied
400	No such store code

4. Delete the gateway

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: DELETE

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/gateway

API description: delete gateway by id

request parameter list

parameter name	parameter position	data type	must default value	example parameter	description	
Authorization header		String	is	.	Bearer + sky grid + login to get fetched token	Access API Authentication
uuid	param	String	Yes			id of the gateway

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/gateway/254234>

Request example

<http://esl.ylwlesl.com:9191/V2/gateway/{uuid}>

Example of successful return

```
{  
  "msg": "Gateway deleted successfully"  
  "status": 200  
}
```

Failure return example

```
{  
  "status": 420,  
  "msg": "Parameter exception"  
}
```

Error code list

Status code (status)	describe
200	Gateway deleted successfully
420	parameter exception
430	Permission denied

5. Restart the gateway

API version: 2.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/gateway/reboot

API description: Restart gateway

request parameter list

parameter name	parameter location	type of data	Is a default value	required	Parameter example	Parameter Description
Authorization	header	String	Yes	-	Bearer+space+login acquired token	Access API Identity certificate
gatewayMac	param	String	Yes	-	MAC address of AC233FC03CFF gateway	

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/gateway/reboot?gatewayMac=AC233FC03CFF>

Request example

Example of successful return

```
{  
    "status": 200,  
    "msg": "Restart the gateway to deliver successfully"  
}
```

Failure return example

Error code list

status code	describe
200	Restart command issued successfully

6. Firmware upgrade (WIFI firmware, Bluetooth firmware)

API Version: 2.0.0 Authorization

Type: Authorization Protocol: HTTP Request

Method: POST Domain Name: esl.ylwlesl.com

Port Number: 9191 Path: /V2/gateway/bacth/

upgrade API Description: Gateway firmware

upgrade

request parameter list

Is the parameter	name parameter	position data type	mandatory?	Default value	parameter example	parameter description
Authorization header		String is	must		Bearer+ space + sign recorded token	Access API Authentication
uuid	body	List<String>	Yes			gateway id set <small>combine</small>
pid	body	String is				upgrade package id
type	body	String is				upgrade package Type such as: WIFI or BECAME
storeUuid	body	String is				store uuid, can be from v2/pub/st ore/query interface query

return parameter list

request address

<http://esl.ylwlesl.com:9191/V2/gateway/batch/upgrade>

Request example

```
{
  "uuid": [
    "c6d7412eaf7b11ea9a140242ac1c0003",
    "cb826001af7b11ea9a140242ac1c0003",
    "cec0ac28af7b11ea9a140242ac1c0003"
  ],
}
```

```

"pid":"5dd3432e88de968881c2cfa0",
"type":"WIFI",
"storeUuid":"1"
}

```

Example of successful return

```

{
  "status": 200, "msg":
  "Success",
  "data": [
    {
      "code": "302",
      "message": "ac233fc02cd"
    },
    {
      "code": "200",
      "message": "ac233fc02fd"
    },
    {
      "code": "302",
      "message": "ac233fc02gd"
    }
  ]
}

```

Failure return example

```

{
  "status": 430,
  "msg": "No permission"
}

```

Error code list

Status code (status)	describe
200	success
204	Store code is empty
300	The gateway is offline and cannot be upgraded

301	Gateway model mismatch
302	Could not get the model of the gateway
303	Gateway does not exist
424	Gateway ID list cannot be empty
425	Upgrade package ID cannot be empty
426	Upgrade type cannot be empty
430	Permission denied
400	No such store code

7. Get the upgrade package information

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/gateway/upgradepackList

API description: Gateway firmware upgrade

request parameter list

Is the parameter name parameter position data type mandatory?	Default value	parameter example	parameter description
Authorization header	String is	. Bearer+ space + sign recorded token	Access API Authentication
page	params	Int	Yes



size	params	Int	Yes			gateway id set combine
type	params	String is				upgrade package Type such as: WIFI or BECAME type parameter Must bring Is empty

return parameter list

request address

<http://esl.ylwlesl.com:9191/V2/gateway/upgradePackList?page=1&size=10&type=>

Request example

Example of successful return

```
{
  "page": null,
  "size": null,
  "totalPage": 1,
  "totalCount": 10,
  "rows": [
    {
      "id": "5dcb9c62341c182469ec4b4a",
      "version": "v1.0.10",
      "name": "g1-d-pro_ble_NV500_20191121_central_nrf52832_v1.0.10.zip",
      "path": "/upgrade/g1-d-pro_ble_NV500_20191121_central_nrf52832_v1.0.10.zip",
      "type": "BLE",
      "subModel": "g1-d-pro",
      "createTime": 1575612690817
    },
    {
      "id": "5dd3432e88de968881c2cfa0",
      "version": "v1.0.10",
      "name": "g1-d-pro_BLE_NV500_20191121_central_nrf52832_v1.0.10.zip",
      "path": "/upgrade/g1-d-pro_BLE_NV500_20191121_central_nrf52832_v1.0.10.zip",
      "type": "BLE",
      "subModel": "g1-d-pro",
      "createTime": 1575612690817
    }
  ]
}
```

```

    "version": "v2.1.0",
    "name": "g1-d-pro_wifi_v2.1.0.bin",
    "path": "/upgrade/g1-d-pro_wifi_v2.1.0.bin",
    "type": "WIFI",
    "subModel": "g1-d-pro",
    "createTime": 1579312267567

  },
  {

    "id": "5df6fcfed0c935291c2195936",
    "version": "v1.0.6",
    "name": "g1-d-pro_ble_NV500_20190520_central_nrf52832_v1.0.6.zip",
    "path": "/upgrade/g1-d-pro_ble_NV500_20190520_central_nrf52832_v1.0.6.zip

  ,
    "type": "BLE",
    "subModel": "g1-d-pro",
    "createTime": 1579330076396

  },
  {

    "id": "5e03785689eb2f72888c777c",
    "version": "v1.0.12",
    "name": "g1-d-pro_ble_NV500_20191223_central_nrf52832_v1.0.12.zip",
    "path": "/upgrade/g1-d-pro_ble_NV500_20191223_central_nrf52832_v1.0.12.zi

  ,
    "type": "BLE",
    "subModel": "g1-d-pro",
    "createTime": 1577783191534

  }
]
}
  
```

Failure return example

Error code list

Status code (status)	describe

8. Query the specific information of the gateway

API version: 1.0.0

Authorization Type: Authorization

Protocol: HTTP

Request method: POST

Domain Name: esl.ylwlesl.com

Port number: 9191

Path: /V2/gateway/getGatewayMessageByMac

API description: Query the specific information of the gateway according to the gateway mac

request parameter list

parameter name	parameter position	data type must default	value parameter	example parameter	description	
Authorization	header	String	Yes	Bearer + sky grid + login to get fetched token	Bearer + sky grid + login to get fetched token	Access the API itself certification
gatewayMac	body	String	Yes			Gateway Mac
storeUuid	param	String	Yes			Merchant Code

return parameter list

parameter name	type of data	Parameter Description
status	int	Response code, such as: 200: success
msg	String	Return to prompt information

request address

<http://esl.ylwlesl.com:9191/V2/gateway/getGatewayMessageByMac?storeUuid=123321>

Request example



POST <localhost:9191/V2/gateway/getGatewayMessageByMac?storeUuid=123321>

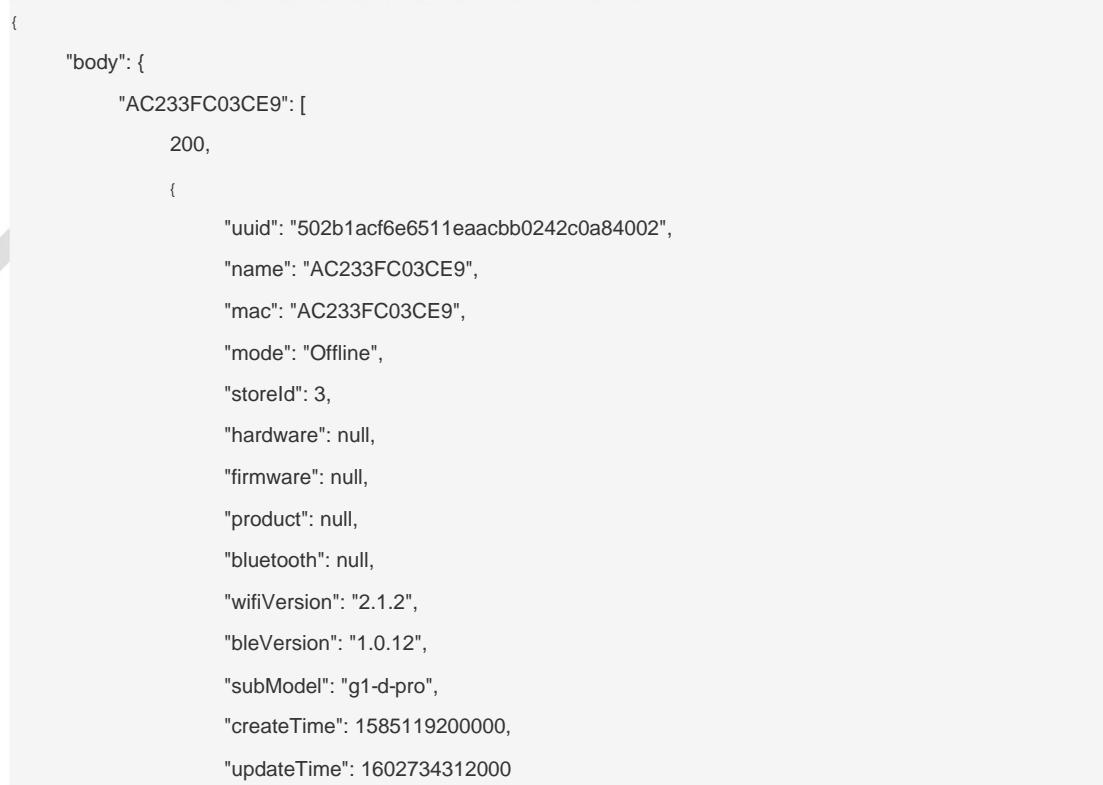
Params • Authorization Headers (11) Body • Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL **JSON**

```

1 [ "AC233FC03CE9", "adadadada" ]
2
3
  
```

Example of successful return



```
{
  "body": [
    {
      "AC233FC03CE9": [
        {
          "200": {
            "uuid": "502b1acf6e6511eaacbb0242c0a84002",
            "name": "AC233FC03CE9",
            "mac": "AC233FC03CE9",
            "mode": "Offline",
            "storeId": 3,
            "hardware": null,
            "firmware": null,
            "product": null,
            "bluetooth": null,
            "wifiVersion": "2.1.2",
            "bleVersion": "1.0.12",
            "subModel": "g1-d-pro",
            "createTime": 1585119200000,
            "updateTime": 1602734312000
          }
        }
      ]
    }
  ]
}
```

```

    }
],
"your own": [
  442,
  "No information for this gateway"
]
},
"status": 200,
"msg": "Success"
}

```

Failure return example

```
{
  "status": 442,
  "msg": "No information about this gateway"
}
```

Error code list

status code	describe
200	Body:{}
440	Gateway mac is empty
430	Store number cannot be empty
441	No information about this store
442	No information for this gateway



Push API interface

1. Tag button and call signal push API

1.1 Parameter description of interface implementation

REST address	http://www.yourdomain.com/api/presskeyPushCallBack		
Requester Law	post		
receive parameters number	parameter name	type of data	illustrate
	sign	String type	The key signal, the value description is as follows: 2.9 Button signal of size label: 04 click; 05 long press; 7.5 Button signal of size label: 01 in favor; 02 against; 03 abstention; 00 means no key signal
	mac	String type label mac address:	
	labelType	String type label category: distinguish which label, 10 means 2.9 size label; 20 means 7.5 size label	sign
	callFlag	String type key call signal: 01 means call; 00 means no call signal, this field only has 7.5 size tag only	
	buttonOpCode	normal key flow water number	2.9 size button and 7.5 size 1, 2, 3 button serial number, the number of the same serial number It is said that the same key press
	callOpCode	call key flow water number	7.5 call serial number, the same serial number means the same keystroke;

1.2 Button Description

开关机	关机状态下长按长按键(右1)3秒, 开机 蓝灯常亮3.6秒, 有广播 开机状态下长按长按键(右1)3秒, 关机 蓝灯闪烁5次
呼叫	按下呼叫键, 蓝灯亮, 广播数据正确 30秒内按第二次, 无反应, 30秒内不可按第二次
投票	按下投票按键, 蓝灯亮, 广播数据正确 30秒内按第二次, 无反应, 30秒内不可按第二次

1.3 User Instructions:

ÿ Upgrade the firmware version of the tag

2.9 Tag upgrade to v1.0.40

7.5 Tag upgrade to v1.0.101

ÿ 2.9 Parameters used in labels

labelType Description: 10 means 2.9 size label

Sign Description: 04 click; 05 long press; 00 means no key signal

Mac Description: The MAC address of the label

buttonOpCode Description: button serial number

ÿ 7.5 Parameters used in labels

labelType Description: 20 means 7.5 size label

Sign Description: 01 for; 02 against; 03 for abstention; 00 means no key signal

callFlag Description: 01 means call; 00 means no call signal

Mac Description: The MAC address of the label

callOpCode Description: call serial number

ÿ The push address setting in the ESL of the data sender

Set push address in ESL system <http://www.domain.com/api/presskeyPushCallBack>

For private deployment of users, only a global push address needs to be set on the system settings page; for the use of company cloud services, because the stores of different merchants are different,

You need to set the push address in the store. If the same merchant uses multiple stores of the cloud service, you can set the push address of all stores to the same.

Remarks: www.domain.com is the IP or domain name of the application receiving the data, /api/presskeyPushCallBack is the request URL defined in the user receiving interface, the customer implements this api/presskeyPushCallBack callback in his own application

restful interface. The receiving parameters are the same as those in the table.

ÿ The client receives the data pushed by the ESL system at the data receiving end (the application of the client processing the signal), and needs to implement the data receiving interface of the http request.

The reference example is as follows:

```
@Api("Key signal reception: API interface")
```

```
@RestController
```

```
public class TestController {  
    /**  
     * Test the button report information of the gateway version  
     */  
    @RequestMapping(value = "/api/presskeyPushCallBack", method = RequestMethod.POST)  
    public void pressKeyCallback(@RequestBody Message message) {  
        if(message != null){  
            System.out.println(message.toString());  
        }  
    }  
}
```

