

LAN-2-LAN API V1.0



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OVERVIEW

Thanks choosing doordeer as your reliable access control system.

This document specifies the external API for doordeer doorbell and video intercom products. The API provides ability for IP communication with doordeer devices via LAN, handled by the built-in servers in doordeer products.

COPYRIGHT

This document is copyright protected of doordeer. We provide it to access the devices which subscribed doordeer cloud service.

GENERAL INFORMATION

PRIVACY STATEMENT

Since this API is used in LAN, device privacy may be abused in LAN. Please ensure the access security of LAN

DEVICES IN LAN (Local Area Network)

Before using API, you need know the device's LAN IP address in advance.

To obtain the IP address, you can:

Doordeer app – devices list page – configurations – device status

It will show the LAN IP address at the top of this page.

PROTOCOL & PORT & encrypt key

<http://IP:3800/>

Encrypt key: [Email us to get the key please]

LOGIN DEVICE

To login the device, post the username and password to validate and return the token if passed.

URL	http://DeviceIP:3800/login
Content-Type	Application/json
Method	Post
Json	{“jsonData”:“stringdata”}
	{“function”:“login”,“user”:“”,“password”:“”}

Parameter	Value	description
user	<String>	the default value is admin
Password	<String>	the default value is admin

EXAMPLE REQUEST

```
http://192.168.1.9:3800/login
```

RETURN

```
{"rescode":“200”,“token”:“tokendata”}
```

TIPs:

- Stringdata is the json string {“function”:“login”,“user”:“”,“password”:“”} encrypted by rc4 first then base64.
- tokendata’s duration is 10 mintues. It is the passport for further communication between webpage and doordeer device.

For Example:

```
$JsonString = ‘{“function”:“login”,“user”:“”,“password”:“”}’;  
$rc4edString = rc4($key,$jsonstring); //You can get the key from doordeer vendor  
$base64edString = base64_encode($rc4edString);
```

The **\$base64edString** is stringdata in json

CHANGE PASSWORD

You can change your login password after logged.

URL	http://deviceip:3800/setting?token=<tokendata>
Content-Type	Application/json
Method	Post
Json Data	{ <code>"jsondata": "stringdata"</code> }
	{ <code>"function": "setuserpassword", "user": "", "password": ""</code> }

Parameter	Value	description
user	<String>	Username or new username
password	<String>	New password

EXAMPLE REQUEST

```
http://192.168.1.9:3800/ setting?token=wervsfdqrwr857dfe
```

RETURN

```
{"rescode": "200"}
```

UNLOCK

During the token's effective period, you can unlock the door via the following URL

URL	http://deviceip:3800/openlock?token=<tokendata>
Content-Type	Application/json
Method	Post

EXAMPLE REQUEST

```
http://192.168.1.9:3800/openlock?token=wervsfdqr857dfe
```

RETURN

```
{"rescode":"200"}
```

LIVE IMAGE REQUEST

Within the token's validity period, you can unlock the door via the following URL

URL	http://deviceip:3800/getpic?token=<tokendata>
Content-Type	image/jpeg
Method	Post

EXAMPLE REQUEST

```
http://192.168.1.9:3800/getpic?token=wervsfdqrwr857dfe
```

RETURN

```
HTTP/1.0 200 OK\r\nContent-Type: image/jpeg\r\nContent-Length: \r\n \r\n<JPEG image data> \r\n
```

LIVE VIDEO & AUDIO REQUEST

As a onvif compatible device, you can request the rtsp information , then using this information to monitor the live video and audio.

URL	http://deviceip:3800/getrtsp?token=<tokendata>
Content-Type	Application/json
Method	Post

EXAMPLE REQUEST

```
http://192.168.1.9:3800/login
```

RETURN

```
{"function": "getrtsp", "videoformat": "H264", "audioformat": "G711A", "mainvideo": "rtsp://192.168.0.8:554/live1", "subvideo": "rtsp://192.168.0.8:554/live2"}
```

Parameter	Value	description
videoformat	<String>	Video format
audioformat	<String>	Audio format
mainvideo	<String>	High Definition video streaming
subvideo	<String>	Standard Definition video streaming

TIPs:

You can integrate VLC as a RTSP player into your own app.