



# How to **develop for Hue?**

Develop

Get Started

Application Design Guidance

**Hue API**

Hue Entertainment

Tools and SDKs

Overview

## Remote API Quick start guide

Datatypes and Time Patterns

1. Lights API

Please use the instructions on [Remote API authentication](#) to get the tokens via digest authentication, basic authentication documentation can be ignored. After Digest authenticate you will get an `access_token` and a `refresh_token`.

On this page:

2. Groups API

To create a whitelist entry/username remotely:

3. Schedules API

Do a PUT on <https://api.meethue.com/bridge/0/config> with body:

```
{ "linkbutton": true }
```

4. Scenes API

and headers:

```
Authorization: Bearer <access_token>
Content-Type: application/json
```

5. Sensors API

6. Rules API

Directly after do a POST on <https://api.meethue.com/bridge/> with body:

```
{ "devicetype": "<your-application-name>" }
```

7 Configuration API

8. Info API  
(deprecated as of 1.15)

and headers:

```
Authorization: Bearer <access_token>
Content-Type: application/json
```

9. Resourcelinks API

This last call will return the username, which you can save and use in the follow up urls:

10. Capabilities API

```
[
  {
    "success": {
```

Remote API Quick start guide	<pre>         "username": "*****"       }     }   ] </pre>
Remote Authentication	From now on the Remote API calls are same as <a href="#">local API calls</a> . Just the base URL is different: <a href="https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;">https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;</a> instead of <a href="http://&lt;ip-address.of.the.bridge&gt;/api/&lt;whitelist_identifier&gt;">http://&lt;ip-address.of.the.bridge&gt;/api/&lt;whitelist_identifier&gt;</a>
Remote Hue API – Error Messages	I.e. to get all lights: Do a GET on <a href="https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;/lights">https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;/lights</a> with Request header:
Error messages	Authorization: Bearer <access_token>
Message Structure and Response	I.e. to set a light state: Do a PUT on <a href="https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;/lights/1/state">https://api.meethue.com/bridge/&lt;whitelist_identifier&gt;/lights/1/state</a> with Request headers:
Supported Devices	Authorization: Bearer <access_token> Content-Type: application/json and body:
API Documentation Changelog	<pre> {"on": true, "xy": [0.64394, 0.33069]} </pre> More info on setting light states: <a href="#">Lights API</a>
Glossary terms	



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