

# API documentation

## AUTHORIZATION API Key

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Key	X-API-Key
Value	{{token}}

---

## Washing Machine Endpoints

### AUTHORIZATION API Key

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This folder is using API Key from collection [API documentation](#)

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#### GET Get Info By Id



`http://localhost:8080/api/washing_machine/1`

Return washing machine information by id, id should always be 1 since there is only 1 washing machine available

### AUTHORIZATION API Key

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This request is using API Key from collection [API documentation](#)

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#### GET Get Washing Machine Statistics



`http://localhost:8080/api/washing_machine/1/statistics`

Return washing machine statistics since last reset:

- Total time switched on (unit: second)
- Amount of money earned (unit: cent)

Only return when washing machine is in **maintenance mode** state, else return error message

query parameter:

##### **job\_completed**

boolean, not required

set to **true** returns statistics calculated based on **completed** jobs only

set to **false** returns statistics calculated based on **incompleted** jobs only

omitting this parameter returns statistics calculated based on **all** jobs

## AUTHORIZATION API Key

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### POST Power On Washing Machine



`http://localhost:8080/api/washing_machine/1/power_on`

To turn on the washing machine, request will only success when washing machine is in **off** state, else return error message

No body parameter

## AUTHORIZATION API Key

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### POST Power Off Washing Machine



`http://localhost:8080/api/washing_machine/1/power_off`

To turn off the washing machine, request will only success when washing machine is **not** in **off** state, else return error message

No body parameter

Will return `refund_value_cent` if washing machine has inserted value when turn off

## AUTHORIZATION API Key

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This request is using API Key from collection [API documentation](#)

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### POST Open Washing Machine Door



`http://localhost:8080/api/washing_machine/1/open_door`

To open washing machine door, request will only success when washing machine door is **closed** and there is no ongoing job, else return error message

No body parameter

## AUTHORIZATION API Key

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## POST Close Washing Machine Door



`http://localhost:8080/api/washing_machine/1/close_door`

To close washing machine door, request will only success when washing machine door is **open**, else return error message

No body parameter

### AUTHORIZATION API Key

This request is using API Key from collection [API documentation](#)

## POST Select Wash Type



`http://localhost:8080/api/washing_machine/1/select_wash_type`

To select wash type when washing machine is in **idle** state, and wash\_type must be one of the available wash type retrieve from Get Available Wash Types endpoint, else return error message

### AUTHORIZATION API Key

This request is using API Key from collection [API documentation](#)

### Body raw (json)

```
json
{
  "wash_type": "Quick Wash"
}
```

## POST Insert Coin



`http://localhost:8080/api/washing_machine/1/insert_coin`

To increase inserted value when washing machine is in **wash type selected** state, and coin\_value\_cent must be one of the available coin type retrieve from Get Accepted Coin Types endpoint, else return error message

### AUTHORIZATION API Key

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Body raw (json)

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json

```
{
  "coin_value_cent":100
}
```

---

## POST Start Wash



http://localhost:8080/api/washing\_machine/1/start\_wash

To start wash job when washing machine is in **pending start** state, and door must be **closed**, else return error message

No body parameter

Return refund\_value\_cent if inserted value is more than required value

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This request is using API Key from collection [API documentation](#)

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## POST Cancel Wash



http://localhost:8080/api/washing\_machine/1/cancel\_wash

To cancel wash job when washing machine is in **wash type selected / pending start / pending continue** state, else return error message

No body parameter

Will return refund\_value\_cent if washing machine has inserted value when cancel job

### AUTHORIZATION API Key

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This request is using API Key from collection [API documentation](#)

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## POST Continue Wash



http://localhost:8080/api/washing\_machine/1/cancel\_wash

To cancel wash job when washing machine is in **pending continue** state, else return error message

No body parameter

### AUTHORIZATION API Key

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This request is using API Key from collection [API documentation](#)

## POST Enter Maintenance Mode



`http://localhost:8080/api/washing_machine/1/enter_maintenance_mode`

To enter maintenance mode when washing machine is in **idle** state, else return error message

No body parameter

### AUTHORIZATION API Key

This request is using API Key from collection [API documentation](#)

## POST Exit Maintenance Mode



`http://localhost:8080/api/washing_machine/1/exit_maintenance_mode`

To enter maintenance mode when washing machine is in **maintenance mode** state, else return error message

No body parameter

### AUTHORIZATION API Key

This request is using API Key from collection [API documentation](#)

## POST Reset Statistics



`http://localhost:8080/api/washing_machine/1/reset_statistics`

To reset statistics when washing machine is in **maintenance mode** state, else return error message

No body parameter

### AUTHORIZATION API Key

This request is using API Key from collection [API documentation](#)

## GET Get Accepted Coin Types



`http://localhost:8080/api/coin_types`

Returns all accepted coin types, no query parameter for this endpoint

### AUTHORIZATION API Key

## GET Get Available Wash Types



`http://localhost:8080/api/wash_types`

Returns all available wash types, no query parameter for this endpoint

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This request is using API Key from collection [API documentation](#)