

POSITIVE API

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Introduction

This document describes the API methods provided in order to connect to Positive's POS inventory module.

In the following pages there is a detailed description of the API's functions, together with examples and the possible responses. Apart of our API you will also find an explanation about our exported Inventory report.

Technical Details

Connection

All the incoming connections to the API should be to the secured HTTPS protocol. All connections to HTTP addresses will be ignored.

Token

The API works with an authorization token. This token is to remain secret, every call to the API the token must be sent for the API to authorize the call.

Responses

Responses from the API are in JSON format.

API

Item Index – List Items

Returns a list of all the items, with details of inventory, color sizes, and more.

Pattern	Definition
URL	https://positive.valu.co.il/api/items
Method	GET
{page}	Optional. The page number to start getting from the list of items
{per}	Optional. How many items to return per Page. Default value is 1000

Call Examples

CURL:

```
curl 'https://positive.valu.co.il/api/items?page=2&per=200' -H 'Accept-Encoding: gzip, deflate, br' -H 'Accept-Language: en-US,en;q=0.8,he;q=0.6' -H 'Content-Type: application/json;charset=UTF-8' -H 'Accept: application/json, text/plain, */*' -H 'Cache-Control: no-cache' -H 'Authorization: Token token=<the token of the user>' -H 'Connection: keep-alive' --compressed
```

PHP:

```
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, "https://staging.valu.co.il/api/items?page=2per=30");
$headers = [
    'Accept-Language: en-US,en;q=0.5',
    'Cache-Control: no-cache',
    'Content-Type: text/json; charset=utf-8',
    'Authorization: Token token=nb53v53453hvjv55345jh45'
];
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
$server_output = curl_exec($ch) or die(curl_error($ch));
```

Response Example

```
{
  "success": true,
  "items": [
    {
      "id": 16143,
      "code": "1000",
      "barcodes": [],
      "name": "\u005e4\u005e8\u005d9\u005d8 \u005db\u005dc\u005dc\u005d9",
      "price_alut": null,
      "price_zarhan1": 0.0,
      "supplier_item_code": null,
      "has_inventory": false,
    }
  ]
}
```

```

"supplier_id":null,
"profit_percent":0,
"primary_category_id":null,
"secondary_category_id":null,
"inventory":[{"color":null,
"created_at":"2020-02-20T17:55:17+02:00",
"current_inventory":0.0,
"id":283283,
"item_id":16143,
"maximum_quantity":null,
"minimum_quantity":null,
"size":null,
"store_id":123,
"updated_at":"2020-02-20T17:55:17+02:00"}],
"has_weight":false,
"menu_item_sort_order":null,
"is_allow_name_change":false,
"is_sale_percent_addition":false,
"allow_zero_price":false,
"supplier_number":null,
"no_vat":false,
"show_in_main_menu":null,
"hide_from_menu":null,
"always_has_vat":null,
"is_complimentary":null,
"price_zarhan2":null,
"picture_url":null,
"brand_id":null
},
{
"id":16144,
"code":"9999",
"barcodes":[],
"name":"\u05ea\u05e9\u05dc\u05d5\u05dd \u05d7\u05d5\u05d1 \u05d4\u05e7\u05e4\u05d4",
"price_alut":null,
"price_zarhan1":0.0,
"supplier_item_code":null,
"has_inventory":false,
"supplier_id":null,
"profit_percent":0,
"primary_category_id":null,
"secondary_category_id":null,
"inventory":[{"current_inventory":0,
"price_in_store":null}],
"has_weight":false,
"menu_item_sort_order":null,
"is_allow_name_change":false,
"is_sale_percent_addition":false,
"allow_zero_price":false,
"supplier_number":null,
"no_vat":false,
"show_in_main_menu":null,
"hide_from_menu":null,
"always_has_vat":null,
"is_complimentary":null,
"price_zarhan2":null,
"picture_url":null,
"brand_id":null
}
],
"meta":{"total":90, "last_page":45, "current_page":1, "per":2}
}

```

Get Inventory for specific item

Returns an item, with details and updated inventory quantities.

Pattern	Definition
URL	https://positive.valu.co.il/api/item_inventory/{code}
Method	GET
{color}	Optional String. The item's color if it's an item that is defined as an item that comes in different colors.
{size}	Optional String. The item's size if it's an item that is defined as an item that comes in different sizes.
{v}	Integer. Changes the response format. Use Either 1 or 2, we recommend 2

Call Examples

CURL:

```
curl 'https://positive.valu.co.il/api/item_inventory/{item_code}?color={color}&size={size}' -H 'Accept-Encoding: gzip, deflate, br' -H 'Accept-Language: en-US,en;q=0.8,he;q=0.6' -H 'Content-Type: application/json;charset=UTF-8' -H 'Accept: application/json, text/plain, */*' -H 'Cache-Control: no-cache' -H 'Authorization: Token token=<the token of the user>' -H 'Connection: keep-alive' --compressed
```

PHP:

```
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, "https://positive.valu.co.il/api/item_inventory/12345");
$headers = [
    'Accept-Language: en-US,en;q=0.5',
    'Cache-Control: no-cache',
    'Content-Type: text/json; charset=utf-8',
    'Authorization: Token token=nb53v53453hvjv55345jh45'
];
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
$server_output = curl_exec($ch) or die(curl_error($ch));
```

Property	Definition
Success	Boolean. Was the request successful
current_inventory	Float. The current quantity of items in the inventory
Current_inventory_for_color_size	Float. The current quantity of the specific model (color, size) if a specific model of an item was sent.
item	Json. The full item object.

Errors

In case of failure cause by not finding an item or a problem with a token a status code 500 or 401 will be returned accordingly

Response Example

```
{
  "success":true,
  "current_inventory":2.0,
  "current_inventory_for_color_size":2.0,
  "item":
  {
    "allow_zero_price":false,
    "auto_open_preparation_instructions":false,
    "code":"010020001",
    "company_id":183,
    "created_at":"2017-08-15T17:59:22+03:00",
    "discounts":"0",
    "has_inventory":true,
    "has_preparation_instructions":false,
    "has_vat":null,
    "has_weight":false,
    "id":518794,
    "is_abstract":false,
    "is_addition":false,
    "is_allow_name_change":false,
    "is_punch_card":false,
    "is_sale_percent_addition":false,
    "item_item_groups_size":0,"locked":false,
    "logical_or_group_printers":[],
    "menu_item_sort_order":null,
    "name":"Advance Alpha rotary black / EU Made",
    "no_discount":false,"no_vat":false,
    "price_alut":0.0,
    "price_alut_before_discount":null,
    "price_zarhan1":1530.0,
    "price_zarhan2":null,
    "price_zarhan3":null,
    "primary_category_id":2755,
    "primary_menu_item_id":null,
    "print_sufix":null,
    "punch_card_item_id":null,
    "punch_card_price_by_quantity":null,
    "punch_quantity":0,
    "sall":"9999\u00264237",
  }
}
```

```
"sal2": "9999",
"sal3": null,
"sal4": null,
"season_id": null,
"secondary_category_id": null,
"secondary_menu_item_id": null,
"supplier_id": 3028,
"supplier_item_code": null,
"updated_at": "2018-05-31T01:50:49+03:00",
"vouchers": "999"
}
}
```

Update Item Inventory

Updates the amount of given item in the inventory

Pattern	Definition
URL	https://positive.valu.co.il/api/item_inventory/{item_code}
Method	POST
{item_code}	The item's code, whether the items ID or the barcode
{color}	Optional. The item's color if it's an item that is defined as an item that comes in different colors.
{size}	Optional. The item's size if it's an item that is defined as an item that comes in different sizes.
{inventory_delta}	How much to reduce from the inventory. For example: if two shirts were sold, the inventory delta will be 2.

Call Examples

CURL:

```
curl 'https://positive.valu.co.il/api/item_inventory/3123122' -H 'Accept-Encoding: gzip, deflate, br' -H 'Accept-Language: en-US,en;q=0.8,he;q=0.6' -H 'Content-Type: application/json;charset=UTF-8' -H 'Accept: application/json, text/plain, */*' -H 'Cache-Control: no-cache' -H 'Authorization: Token token=432809423e3421efdjlk34343' -H 'Connection: keep-alive' --data-binary '{"color":null,"size":null,"inventory_delta":2}' --compressed
```

PHP:

```
$data = array('color' => null, 'size' => null, 'inventory_delta' => 2);
$data_string = json_encode($data);
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, "https://positive.valu.co.il/api/item_inventory/65498721");
$headers = [
    'Accept-Language: en-US,en;q=0.5',
    'Cache-Control: no-cache',
    'Content-Type text/json; charset=utf-8',
    'Authorization: Token token=6345634566'
];
curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "POST");
curl_setopt($ch, CURLOPT_POSTFIELDS, $data_string);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
$server_output = curl_exec($ch);
```

Response

Property	Definition
success	Boolean. Was the request successful
current_inventory	Float. The current quantity of items in the inventory
Current_inventory_for_color_size	Float. The current quantity of the specific model (color, size) if a specific model of an item was sent.
item	Json. The full item object.

Errors

In case of failure cause by not finding an item or a problem with a token a status code 500 or 401 will be returned accordingly

Response Example

```
{
  "success":true,
  "current_inventory":2.0,
  "current_inventory_for_color_size":2.0,
  "item":
    {
      "allow_zero_price":false,
      "auto_open_preparation_instructions":false,
      "code":"010020001",
      "company_id":183,
      "created_at":"2017-08-15T17:59:22+03:00",
      "discounts":"0",
      "has_inventory":true,
      "has_preparation_instructions":false,
      "has_vat":null,
      "has_weight":false,
      "id":518794,
      "is_abstract":false,
      "is_addition":false,
      "is_allow_name_change":false,
      "is_punch_card":false,
      "is_sale_percent_addition":false,
      "item_item_groups_size":0,"locked":false,
      "logical_or_group_printers":[],
      "menu_item_sort_order":null,
      "name":"Advance Alpha rotary black / EU Made",
      "no_discount":false,"no_vat":false,
      "price_alut":0.0,
      "price_alut_before_discount":null,
      "price_zarhan1":1530.0,
      "price_zarhan2":null,
      "price_zarhan3":null,
      "primary_category_id":2755,
      "primary_menu_item_id":null,
      "print_sufix":null,
      "punch_card_item_id":null,
      "punch_card_price_by_quantity":null,
      "punch_quantity":0,
      "sal1":"9999\u00264237",
      "sal2":"9999",
      "sal3":null,
      "sal4":null,
    }
}
```

```
"season_id":null,  
"secondary_category_id":null,  
"secondary_menu_item_id":null,  
"supplier_id":3028,  
"supplier_item_code":null,  
"updated_at":"2018-05-31T01:50:49+03:00",  
"vouchers":"999"  
}  
}
```