

COASTER FINE FURNITURE

12928 Sandoval Street, Santa Fe Springs, CA 90670 – (800) 221-9699

Coaster API User Guide

Coaster API User Guide

Introduction

The Coaster API is a set of web services providing Coaster's business customers with access to Coaster product catalog, live inventory, and pricing data in a format that can be readily integrated into customer backend database and e-commerce systems.

Accessing the API

The API follows the RESTful design, and can be invoked via standard HTTP requests.

- For testing/demo, Coaster API resides at <http://demo.api.coastercenter.com>
- For production, Coaster API resides at <http://api.coasteramer.com>.

Each API request must include an API key, sent in a header field named "keyCode". This API key is provided to you by Coaster. Please keep this key confidential.

The API supports XML or JSON. You can specify your preferred output format using the HTTP Accept header.

API Methods

API methods, parameters, and return value information are provided in the Help section on the site and will not be covered here.

Note that fields that are NULL may not be included in the returned records. Clients should assume that any field can have NULL value and handle them accordingly.

Product Images

Product images are hosted on Coaster's web server and can be linked to directly. Each product may have multiple images, indicated in the field **NumImages** or **NumNextGenImages**. The field **PictureFullURLs** has the URL's for all images, separated by comma. The images are hosted at the following URL:

<https://pictures.coastercenter.com/items/>

Image Resolutions

Coaster also provides preset images for some common resolutions, available at the following URL's.

Possible values for image-width-in-pixels are: 500, 900, 1600 and HD. In API, we return the default 900 pixel URL's. The URL image format is https://pictures.coasteramer.com/items/{item#}/{item#_type}x{width}.jpg

Using the example of item# 1234, the value of field **PictureFullURLs** is below. It has 2 URL's, that indicates the item has 2 images/pictures.

```
"NumNextGenImages": 2,  
"ListNextGenImages": "/1234/1234_01,/1234/1234_02",  
"PictureFullURLs": "https://pictures.coastercenter.com/items/1234/1234_01x900.jpg,https://pictures.coastercenter.com/items/1234/1234_02x900.jpg",
```

https://pictures.coastercenter.com/items/1234/1234_01x900.jpg,https://pictures.coastercenter.com/items/1234/1234_02x900.jpg

- https://pictures.coastercenter.com/items/1234/1234_01x500.jpg (picture 500pixel)
- https://pictures.coastercenter.com/items/1234/1234_01x900.jpg (picture 900pixel - default size)
- https://pictures.coastercenter.com/items/1234/1234_01.jpg (picture 1600pixel when no width is defined)
- https://pictures.coastercenter.com/items/1234/1234_01xHD.jpg (picture in high-resolution, the original picture in size)

NOTE

Product Inventory & Prices

For a dealer to purchase from Coaster, it must have an account with Coaster and a Customer Number. The Customer Number must be associated with your buying group before you can obtain inventory and price information for that dealer. The *GetCustomerList* method returns all dealers associated with your buying group.

If one of your customers does not show up in the list, please let us know so that we can associate that dealer with your buying group.

The *GetCustomerList* method also returns a list of Ship-To addresses for each dealer, corresponding to its stores. Each Ship-To record includes a *WarehouseCode* that is used to lookup inventory, a *PriceCode* used to lookup prices, and a *PriceExceptionCode* used to lookup price exceptions. In other words, inventory and price vary by store.

Order

Dealer can submit an order using the **SubmitApiOrder** method.

Recommended Usage Pattern

Based on the frequency of change in the data, Coaster recommends the following usage pattern for these methods:

GetProductList

Clients should call *GetProductList* no more than once per day, after midnight.

GetProductDimensions

Call to get the product box dimension, weight, cubic and sizes.

GetCategoryList, GetCollectionList, GetStyleList, GetGroupList

Clients should call these methods together with *GetProductList*.

GetInventoryList

Clients should call *GetInventoryList* no more than once every 15 minutes.

GetPriceList & GetPriceExceptionList

Clients should call *GetPriceList* & *GetPriceExceptionList* no more than once per day, after midnight.

Feedback & Support

Coaster welcomes your feedback to improve the API to better serve your needs. Please send your suggestions and support questions to bpm@coasteramer.com.

Examples

In the following screenshots, we make various API calls using a REST testing tool called **Advanced Rest Client** or **Postman**.

Get entire products

The screenshot shows the Advanced Rest Client interface. The URL bar displays `chrome-extension://hgmloofddfnphfgcellkdfbfjeloo/RestClient.html`. The left sidebar contains navigation options: Request, Socket, Projects, Saved, History, Settings, About, Rate this application, and Donate. The main area shows a GET request to `http://api.coasteramer.com/api/Product/GetProductList` with a `keycode` header. The status is 200 OK with a loading time of 3080 ms. The response headers include `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, `Expires: -1`, `Server: Microsoft-IIS/7.0`, `X-AspNet-Version: 4.0.30319`, `X-Powered-By: ASP.NET`, `Date: Thu, 09 Apr 2015 02:41:14 GMT`, and `Content-Length: 9909338`. The response body is a JSON array with one object representing a product.

```
[{"ProductNumber": "203771Q", "Name": "QUEEN BED", "Description": "", "MeasurementList": [], "StyleCode": "ST-201", "Weight": 0, "Cubes": 10.479, "RelatedProductList": [], "BoxSize": {"Length": 84, "Width": 63, "Height": 56}}]
```

Get the product box dimension, weight, cubic and sizes.

- Method: **GetProductDimensions**
- Action: GET
- Description: the method gives the clients/vendors to access the API easily by providing the item#'s (parameter: itemNos). This parameter accepts single item # or multiple separated by comma.
- Example: <https://api.coasteramer.com/api/product/GetProductDimensions?itemNos=110711,110712,223464>

The screenshot displays a REST client interface for the `GetProductDimensions` API. The request is a GET method to `http://api.coastercenter.com/api/product/GetProductDimensions?itemNos=110711,110712`. The headers include `keycode` and `Content-Type: application/json`. The response is a JSON array of three product objects, each containing item details and box dimensions.

Request:

- Method: GET
- URL: `http://api.coastercenter.com/api/product/GetProductDimensions?itemNos=110711,110712`
- Headers (9):
 - `keycode` (checked)
 - `Content-Type`: application/json (checked)

Response (JSON):

```
[
  {
    "ItemNo": "110711",
    "ItemName": "DINING TABLE",
    "Description": "DINING TABLE, WHITE/GREY, 63.00 X 35.25 X 29.50\"H",
    "BoxWeight": 131.8,
    "Cubes": 6.54,
    "BoxSize": {
      "Length": 0.01,
      "Width": 0.01,
      "Height": 0.01
    }
  },
  {
    "ItemNo": "110712",
    "ItemName": "DINING CHAIR",
    "Description": "DINING CHAIR, GREY, 22.75 X 22.75 X 32.50\"H",
    "BoxWeight": 52.39,
    "Cubes": 10.99,
    "BoxSize": {
      "Length": 0.01,
      "Width": 0.01,
      "Height": 0.01
    }
  },
  {
    "ItemNo": "223464",
    "ItemName": "MIRROR",
    "Description": "MIRROR, METALLIC MERCURY, 44.00 X 3.00 X 37.00\"H",
    "BoxWeight": 57.32,
    "Cubes": 8.286,
    "BoxSize": {
      "Length": 55.51,
      "Width": 40.94,
      "Height": 6.30
    }
  }
]
```

Get inventory for entire lineup

The screenshot shows the Advanced Rest Client application interface. The URL bar displays the endpoint: `http://api.coasteramer.com/api/product/GetInventoryList`. The request method is set to **GET**. The request headers section shows a `keycode` header with a value. The response status is **200 OK** with a loading time of 1747 ms. The response headers include `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, `Expires: -1`, `Server: Microsoft-IIS/7.0`, `X-AspNet-Version: 4.0.30319`, `X-Powered-By: ASP.NET`, `Date: Thu, 09 Apr 2015 03:23:38 GMT`, and `Content-Length: 857125`. The response body is displayed in JSON format, showing an array of inventory items.

Request

URL: `http://api.coasteramer.com/api/product/GetInventoryList`

Method: **GET**

Headers:

- `keycode: [redacted]`

Response

Status: **200 OK** Loading time: 1747 ms

Request headers:

- `keycode: [redacted]`
- `User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.118 Safari/537.36`
- `Accept: */*`
- `Accept-Encoding: gzip, deflate, sdch`
- `Accept-Language: en-US,en;q=0.8,vi;q=0.6`

Response headers:

- `Cache-Control: no-cache`
- `Pragma: no-cache`
- `Content-Type: application/json; charset=utf-8`
- `Expires: -1`
- `Server: Microsoft-IIS/7.0`
- `X-AspNet-Version: 4.0.30319`
- `X-Powered-By: ASP.NET`
- `Date: Thu, 09 Apr 2015 03:23:38 GMT`
- `Content-Length: 857125`

Response body (JSON):

```
[1]
- 0: {
  WarehouseCode: "LD"
  InventoryList: [21530]
  - 0: {
    ProductNumber: "1234"
    QtyAvail: 0
  }
  - 1: {
    ProductNumber: "500681"
    QtyAvail: 53
  }
  - 2: {
    ProductNumber: "200437"
    QtyAvail: 0
  }
}
```

Get prices for entire lineup

The screenshot shows the Advanced Rest Client application interface. The browser address bar displays the URL: `chrome-extension://hgmlcofddffdnphfgcellkdfbfjkeloo/RestClient.html`. The application title is "Advanced Rest Client".

Request Section:

- URL: `http://api.coasteramer.com/api/product/GetPriceList`
- Method: **GET** (selected)
- Headers: `keycode: 502051`

Response Section:

- Status: **200 OK** (Loading time: 1045 ms)
- Request headers:
 - `keycode: 502051`
 - `User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.118 Safari/537.36`
 - `Accept: */*`
 - `Accept-Encoding: gzip, deflate, sdch`
 - `Accept-Language: en-US,en;q=0.8,vi;q=0.6`
- Response headers:
 - `Cache-Control: no-cache`
 - `Pragma: no-cache`
 - `Content-Type: application/json; charset=utf-8`
 - `Expires: -1`
 - `Server: Microsoft-IIS/7.0`
 - `X-AspNet-Version: 4.0.30319`
 - `X-Powered-By: ASP.NET`
 - `Date: Thu, 09 Apr 2015 03:24:54 GMT`
 - `Content-Length: 969192`
- Response body (JSON):

```
[1]
-0: {
  PriceCode: "PR-1016"
  -PriceList: [21539]
    -0: {
      ProductNumber: "502051"
      Price: 689
    }
    -1: {
      ProductNumber: "102051"
      Price: 261
    }
    -2: {
      ProductNumber: "102052"
      Price: 57
    }
  }
```

Get a filter code that returns only items in the category

The screenshot shows the Advanced Rest Client application interface. The URL bar displays `chrome-extension://hgmloofddfnphfcgellkdfbfjelo/RestClient.html`. The main area shows a GET request to `http://api.coasteramer.com/api/product/GetFilter?CategoryCode=CA-1002`. The request headers are visible, including `keycode`. The response status is `200 OK` with a loading time of `23 ms`. The response headers include `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, `Expires: -1`, `Server: Microsoft-IIS/7.0`, `X-AspNet-Version: 4.0.30319`, `X-Powered-By: ASP.NET`, `Date: Thu, 09 Apr 2015 03:28:29 GMT`, and `Content-Length: 10`. The response body is displayed in JSON format as `"FL-1eee2"`.

Advanced Rest Client

Request

Socket

Projects

Saved

History

Settings

About

Rate this application

Donate

Scroll to top

Save Open

http://api.coasteramer.com/api/product/GetFilter?CategoryCode=CA-1002

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

keycode:

Clear Send

Status: 200 OK Loading time: 23 ms

Request headers

keycode: User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.118 Safari/537.36 Accept: */* Accept-Encoding: gzip, deflate, sdch Accept-Language: en-US,en;q=0.8,vi;q=0.6

Response headers

Cache-Control: no-cache Pragma: no-cache Content-Type: application/json; charset=utf-8 Expires: -1 Server: Microsoft-IIS/7.0 X-AspNet-Version: 4.0.30319 X-Powered-By: ASP.NET Date: Thu, 09 Apr 2015 03:28:29 GMT Content-Length: 10

Raw JSON Response

Copy to clipboard Save as file

"FL-1eee2"

Get products in the category

The screenshot shows the Advanced Rest Client application interface. The URL bar displays the endpoint: `http://api.coasteramer.com/api/product/GetProductList?filterCode=FL-10002`. The request method is set to GET. The request headers section shows a `keycode` header with a redacted value. The response status is 200 OK with a loading time of 1417 ms. The response headers include `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, `Expires: -1`, `Server: Microsoft-IIS/7.0`, `X-AspNet-Version: 4.0.30319`, `X-Powered-By: ASP.NET`, `Date: Thu, 09 Apr 2015 03:29:23 GMT`, and `Content-Length: 1564833`. The response body is displayed in JSON format, showing a list of products with details like `ProductNumber`, `Name`, `Description`, and `MeasurementList`.

Advanced Rest Client Application

chrome-extension://hgmloofddfnphfcgellkdfbfjelo/RestClient.html

Apps EB-5 Business Dev Hobby Work

Advanced Rest Client

[Unnamed] Save Open

Request

Socket

Projects

Saved

History

Settings

About

Rate this application

Donate

Scroll to top

Request

Method: GET

URL: http://api.coasteramer.com/api/product/GetProductList?filterCode=FL-10002

Headers

keycode: [REDACTED]

Clear Send

Status: 200 OK Loading time: 1417 ms

Request headers

keycode: [REDACTED]

User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.116 Safari/537.36

Accept: */*

Accept-Encoding: gzip, deflate, sdch

Accept-Language: en-US,en;q=0.8,vi;q=0.6

Response headers

Cache-Control: no-cache

Pragma: no-cache

Content-Type: application/json; charset=utf-8

Expires: -1

Server: Microsoft-IIS/7.0

X-AspNet-Version: 4.0.30319

X-Powered-By: ASP.NET

Date: Thu, 09 Apr 2015 03:29:23 GMT

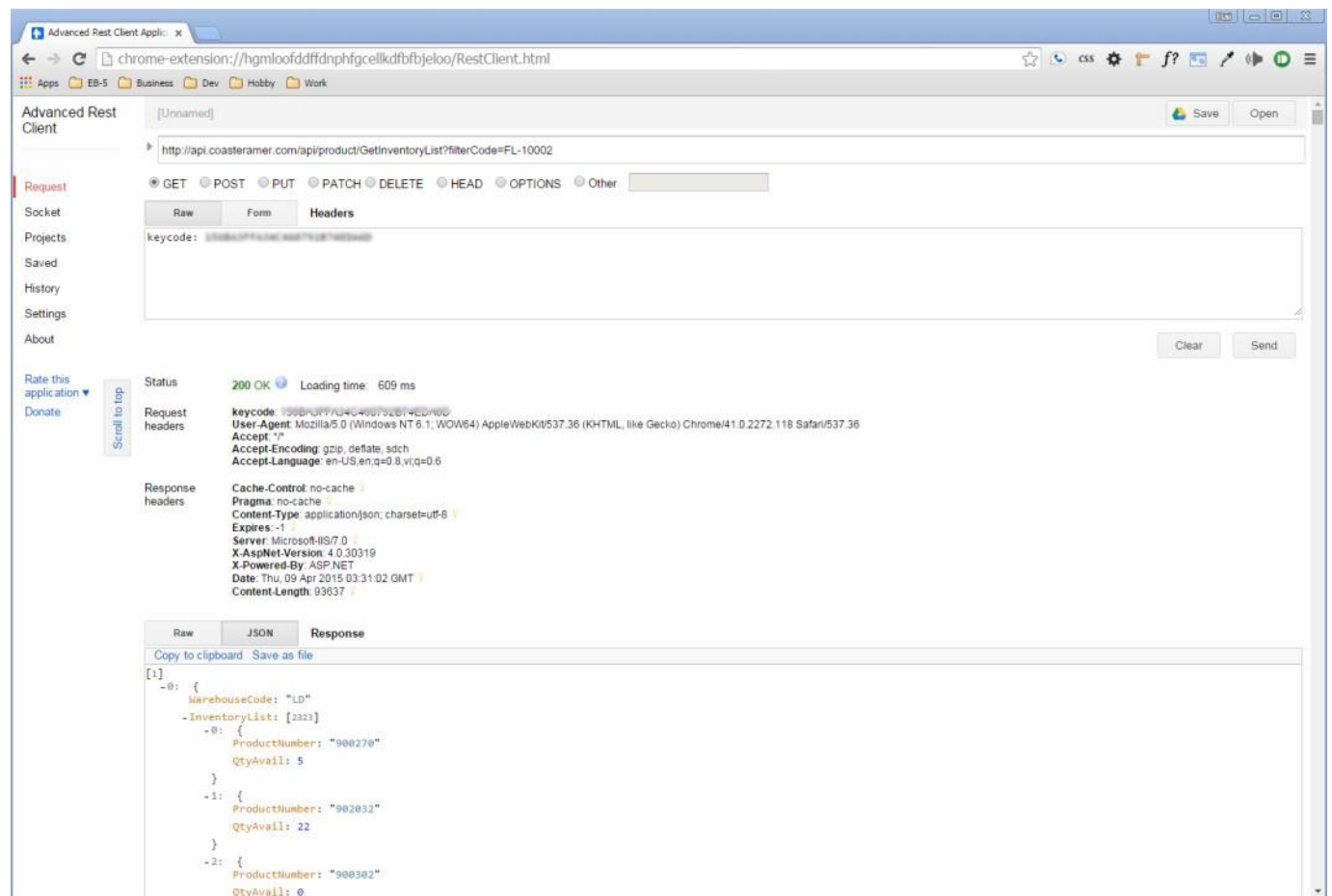
Content-Length: 1564833

Raw JSON Response

Copy to clipboard Save as file

```
[2655]
-0: {
  ProductNumber: "100057"
  Name: "BAR STOOL"
  Description: "Adjustable Bar Stool Finish: Graphite/weathered brown"
  MeasurementList: [1]
  -0: {
    PieceName: "BAR STOOL"
    Length: 21.25
    Width: 21.25
    Height: 46
    SeatHeight: 29
    SeatWidth: 0
    SeatDepth: 0
  }
}
```

Get prices for products in the category



Submit / create the sales order.

- Method: **SubmitApiOrder**
- Action: POST
- Description: Dealer can submit an order using the method **SubmitApiOrder**
- Example

<http://api.coasteramer.com/api/order/SubmitApiOrder>

POST SubmitApiOrder - Live

Orders / Submission / SubmitApiOrder - Live

POST http://api.coasteramer.com/api/order/SubmitApiOrder

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

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

```
1 { "Warehouse": "LD"
2   , "RequestShipDate": "08/1/2022"
3   , "ShipInstruction": "Please ship items together."
4   , "ShipVia": "PickUp"
5   , "OrderItems": [{ "ItemNo": "100006", "Qty": 1}]
6 }
7
```

Get the customer/dealer's shipto list.

- Method: **GetShipToList**
- Action: GET
- Description: get the list of shipto list
- Example

<http://api.coasteramer.com/api/order/GetShipToList>

GET GetShipToList - Live

Orders / Lists / GetShipToList - Live

GET http://api.coasteramer.com/api/order/GetShipToList

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Headers 7 hidden

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	keycode	00000000000000000000000000000000	
<input checked="" type="checkbox"/>	Content-Type	application/json	
	Key	Value	Description

Body Cookies Headers (16) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "ShipToCode": "1",
4     "ShipToName": "FURNITURE AVEAERIE",
5     "Address": "257 N. MICHIGAN",
6     "City": "CHICAGO",
7     "State": "IL",
8     "ZipCode": "60607",
9     "CountryCode": "US",
10    "Phone": "773-800-0000",
11    "Fax": "773-800-0000",
12    "Email": "furniture@10001.com",
13    "WarehouseCode": "CH",
14    "DeliveryMethod": "1",
15    "IsDefault": true
16  },
17  {
18    "ShipToCode": "1",
19    "ShipToName": "FURNITURE AVEAERIE",
20    "Address": "257 N. MICHIGAN",
21    "City": "CHICAGO",
22    "State": "IL",
23    "ZipCode": "60607",
24    "CountryCode": "US",
25    "Phone": "773-800-0000",
26    "Fax": "773-800-0000"
```