

mrscClient-php

A PHP client for the Marksman RSC API. Marksman RSC is a leading reverse logistics provider for ecommerce sellers.

mrscClient-php

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 - itemNo

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 - user_id

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 - Serial_Number

 - consignment

 - location

 - merchant_sku

 - service_level

 - 0: Receiving and pr ep only

 - 1: Inspection

 - 2: Full service

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 - parentASIN

```
dimension_height
dimension_length
dimension_width
dimension_unit
shipping_weight
weight_unit
product_picture
upc
ean
product_category
marksman_category
List Price
New Price
Used Price
Brand
Model
Marksman_Category_Name
Marksman_Category_Description
Marksman_Category_Dollars
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inspection
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Condition_Id
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Sale Price
getGenericInfo
getSkuList
  Response:
getInventory
  total_records
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  options
  inventory
  Valid Options:
  search
addProducts
  Allowed Parameters
  Special Parameters
    id - our internal product_id
    asin_no
    upc
    ean
Request
  addItem [internal]
    Parameters:
      order_id - The order_id of the request
      force - boolean
getRequest
```

Parameters:
Example Request:
Example Response:

makeRequest

Parameters:

- order_id
- requestType
- comment
- items
- packages
- attachments
- optional_services

List of Optional Services

Examples:

- Return handling or der
- Forwarding Order

Response

createShipment

- order_id
- requestType
- comment
- items

Example Request:

Shipping

getRates

Parameters:

Rate Objects

purchase

User

- ping
- billUser [internal]

Appendix

Pre-Authorized Repairs

What Can the API Do?

The Marksman RSC API can be used to integrate your existing inventory management, web store, or retail operations with Marksman RSC. Using our API you can:

1. Place return handling requests in our system, and have your returns sent directly to us
 1. Outsource your return handling department directly to us.
2. Monitor the status of products in our facility
3. Generate outbound shipments from our facility
4. Purchase discounted FedEx or USPS labels
 1. Issue discounted shipping labels to your customers when they return products
 2. Receive instant notification when items reach our facility

Getting Started

The first thing you need to do is create an account at <https://app.marksmnrsc.com>, and then go under User Account -> Integrations and enable API access to your account. This will grant you an access code and a secret key you will need to authenticate with our system.

You can interact with our API using JSON requests through your own custom client, or use the `mrscClient-php` library.

Making API Requests

Each request must be sent to the api endpoint located at either:

<https://app.marksmnrsc.com/api.php>

or

<https://testing.marksmnrsc.com/api.php>

The second one is a sandbox version of our site recommended for help learning the API and testing integrations. At this time we don't have a proper "test" mode.

Anatomy of an API Request

Each request MUST have the following URL parameters:

mrscAccessCode - This is the Access Code given to you on our website.

timestamp - The current UNIX timestamp at the time you created your request.*

signature - This is a sha256 hmac of the URI used in your request, using your secretKey as the key.

**: It is important to make sure your clock is accurate, or your API requests may be rejected.*

Example:

```
$uri = '/api.php?mrscAccessCode=111777&timestamp=1484865559' ;
```

```
$signature = hash_hmac('sha256', $uri, $secretKey);
```

API requests should be POST requests with Content-Type: application/json.

Testing API Connection

You can test API access by sending the following request:

```
{
  "body": {
    "section": "user",
    "action": "ping"
  }
}
```

You should receive a response like this:

```
{
  "status": "SUCCESS",
  "apiVersion": "0.2",
  "timestamp": "2017-01-19T17:36:46-05:00",
  "mrscAccessCode": "99999",
  "success": true,
  "message": null,
  "error": null,
  "query": "\/api.php?
mrscAccessCode=99999&timestamp=1484865406&signature=c50ea81642dff85ef3e28639d085389386
f63c6e535852764ee9528aa4d85de2",
  "method": "POST"
}
```

Common Reponse Fields & Meanings:

status

textual indication of whether your request succeeded or failed

apiVersion

The version of the API you are communicating with. At this time, there is only one version

timestamp

The time your request was received and processed on our end.

mrscAccessCode

This is mrscAccessCode of the user whom you are authenticated as.

At this time there is no direct use for this, but in the future users will be able to grant developers access to their accounts, similar to how Amazon's MWS API allows.

success

Will be boolean **true** or **false**, indicating the success of your request.

message

This will contain either text or a JSON object, depending on what API section and action you requested.

This is the field typically populated by query results.

error

If an error is encountered a textual description of the error will be indicated here.

query

This is a copy of your request URI and query string for reference purposes

method

This is the HTTP request method used for your request

API Sections

Our API is divided into several sections, as follows:

Item

Allows checking status on individual items, stock levels, managing skus, and several other functions related to products.

getItemInfo

Parameters:

item_no This is the unique SKU or Item Number Marksman assigns to items at checkin.

This request will return a dump of information about the specified item, including condition, resale value, and comments about the condition of the item.

```
"ipproduct_id": "4169",
  "ASIN": "B015PYZ0J6",
  "FNSKU": "X000XP50XZ",
  "ipproduct_name": "Dell Inspiron i7559-2512BLK 15.6 Inch FHD Laptop (6th
Generation Intel Core i7, 8 GB RAM, 1 TB HDD + 8 GB SSD) NVIDIA GeForce GTX 960M" ,
  "request_id": "638",
  "outgoing_request_id": null,
  "itemNo": "100092431",
  "company_id": null,
  "user_id": "62",
  "checkin_date": "2016-06-06 16:06:51" ,
  "box": "930",
  "outgoing_box_id": null,
  "Item_Condition": "2",
  "Serial Number": null,
  "itemComment": "Depot service failed to correct: Can\\'t boot" ,
  "consignment": "0",
  "location": "AX2C3",
  "merchant_sku": null,
  "serviceLevel": "2",
  "product_id": "1354",
  "gproduct_name": "Dell Inspiron i7559-2512BLK 15.6 Inch FHD Laptop (6th
Generation Intel Core i7, 8 GB RAM, 1 TB HDD + 8 GB SSD) NVIDIA GeForce GTX 960M" ,
  "product_detail_link": "http://www.amazon.com/Dell-Inspiron-i7559-
2512BLK-Generation-
GeForce/dp/B015PYZ0J6%3Fpsc%3D1%26SubscriptionId%3DAKIAIKRYDR3R75D2V3DQ%26tag%3Dcrop
croprole%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3DB015PYZ0J
6",
  "parentASIN": "B016VLEM5K",
  "dimension_height": "3.9",
  "dimension_length": "20.5",
  "dimension_width": "13.1",
```

```

        "dimension_unit" : "INCHES",
        "weight": null,
        "shipping_weight" : "8.85",
        "weight_unit" : "POUNDS",
        "product_picture" : "http:\\\\ecx.images-
amazon.com\\images\\I\\419DWJfUXuL._SL75_.jpg" ,
        "upc" : "884116204107" ,
        "ean" : "0715407512802" ,
        "product_category" : "609" ,
        "marksman_category" : "8" ,
        "List Price" : "79999" ,
        "New Price" : "87800" ,
        "Used Price" : "73999" ,
        "Brand" : "Dell" ,
        "Model" : "i7559-2512BLK" ,
        "Marksman_Category_Name" : "Laptop" ,
        "Marksman_Category_Description" : null,
        "Marksman_Category_Dollars" : "20" ,
        "Marksman_Category_Cents" : "0" ,
        "inspection" : "1" ,
        "fullService" : "1" ,
        "Condition_Id" : "2" ,
        "Condition_Name" : "Refurb Approved" ,
        "Condition_Description" : "Customer has approved this product for refurb
processing" ,
        "Condition_Final" : "0" ,
        "Approval_Required" : "0" ,
        "consignment_modifier" : "0.00" ,
        "discount" : "0.00" ,
        "Sale Price" : "79999.00" ,
        "SKU" : null

```

Item Info Fields and Meanings

iproduct_id

Our internal id for the specific item

ASIN

The Amazon ASIN for this item.

FNSKU

The FNSKU of your item. This is set at the time a return handling request is made if the item was returned from Amazon FBA.

The FBA (Fulfillment by Amazon) SKU (**FNSKU**) is an Amazon product identifier for products that are fulfilled by Amazon. The **FNSKU** identifies the product as yours. You need an **FNSKU** in order to create FBA Inbound Shipments. To get the **FNSKU**, set the product as Fulfilled by Amazon, and then launch it to Amazon.

iproduct_name

This is the title, or name, of the individual product. This is not to be confused with **gproduct_name**, as they are often the same. This field exists in case, for example, a returned product is supposed to be one product but is actually something else

request_id

This is the internal id of the request in which we received this item.

outgoing_request_id

If set, this indicates the internal id of an outbound shipment the item belongs to.

itemNo

When items are received in our facility we assign each one a unique barcode with an item number on it. This field indicates the item number assigned to your product.

If this field is blank or null it indicates your product was not assigned an item number.

company_id

Unused at this time.

user_id

This indicates who the product belongs to. This is the internal id of the user account, not the user account number displayed on our website.

checkin_date

This is the date and time the product was checked in at our facility. "Checked in" is not necessarily the same thing as "received". Checked in means the package the item arrived in was photographed and the item was routed for processing (either for refurbishment, forwarding, fba preparation, etc).

Items without a checkin date have not yet begun processing in our system.

box

This is the internal id of the package in which we received your item.

outgoing_box_id

If your item has been sent out from our facility this is the internal id of the package your item was shipped within

Item_Condition [DEPRECATED]

Please see **Condition_Id**

Serial_Number

This is the serial number on your item. This field will be available if you have asked us to record the serial numbers of items in a request.

consignment

This field is either "0" or "1". It indicates whether or not this item is marked for consignment sale by Marksman RSC.

location

This is the location of the item in our facility.

merchant_sku

This is a string indicating your SKU for this item. This should match against the SKU records you have with us.

service_level

This indicates the level of service you have indicated for this item.

0: Receiving and prep only

1: Inspection

2: Full service

product_id

This is the generic product, or product template, this item is an instance of. Please see **getGenericInfo**

gproduct_name

This is the name of the product template this product is an instance of.

product_detail_link

This is a URL to where details about the product's template can be viewed. This is typically a link to Amazon.com or another market place which has details about the item.

parentASIN

This field is only populated for products sold through Amazon.com. This field represents the parent ASIN, or product, of which this product is a variant.

dimension_height

The height of this product, taken from the product template.

dimension_length

The length of the product, taken from the product template.

dimension_width

The width of the product, taken from the product template.

dimension_unit

This is the unit in which the length, height, and width are measured.

shipping_weight

This is the average estimated weight of this item for shipping purposes. It is generally safe to use this to estimate shipping costs for a product individually. However, it should not be used (unless rounded up) for estimating shipping for multiple items in the same shipment.

weight_unit

The unit shipping_weight is measured in

product_picture

A URL where a picture of this product can be found. This is taken from the product template.

upc

Universal Product Code for the item's product template

ean**product_category**

Unused at this time.

marksman_category

Numeric representation of the service category used for this item by Marksman. The category is how we determine service options and pricing for refurbishing and inspecting returned merchandise.

List Price

This is generally the **buy box price** as seen on Amazon.com, expressed as USD in integer format. Example: 1195 = \$11.95 USD.

New Price

This is the lowest new price for this product on Amazon.com

Used Price

This is the lowest used price for this product on Amazon.com

Brand

This is the brand or manufacturer of the product. This is here simply to make it easier to query products.

Model

This is the model number of the product.

Marksman_Category_Name

This is the textual name of the service category used by Marksman RSC for this item.

Marksman_Category_Description

This is a text description of what kind of items belong in this category.

Marksman_Category_Dollars**Marksman_Category_Cents**

These two fields indicate the price Marksman RSC charges for full-service for this item.

inspection

Either "0" or "1". This indicates if inspection services are available for this item based on the category it's in.

fullService

Either "0" or "1". This indicates if Full Service refurbishment is available for this item based on it's category.

Condition_Id

A numeric indicator of the condition an item is in. Please see the documentation section about **Item Conditions**.

Condition_Name

The text name of the condition an item is in.

Condition_Description

Text description of what the Condition means.

Condition_Final

Either "1" or "0". A value of "1" indicates the item is in a "final condition", which means no further service for the item is scheduled or anticipated.

Approval_Required

Approval Required indicates your approval is required before the next step in service can be completed. This is either "0" or "1".

consignment_modifier

This is a floating point value representing how much commission Marksman will take from this item if sold through consignment. This only applies to items marked for consignment.

discount

Unused

Sale Price

This indicates the price Marksman's algorithms recommend selling this item for based on it's condition.

getGenericInfo

Parameters:

key - Key to look up generic product template

keyType - Specifies the type of key used to look up the item template

Valid keyType's:

- upc
- ean
- asin_no - ASIN number for the product on amazon.com
- id - our internal ID for the product template (as returned in getItemInfo and some other areas of the API)
- sku - Your own sku for the product template

useAmazon - Attempt to import the product template from Amazon. true or false

This request returns information like this:

```
"status": "SUCCESS",
"apiVersion": "0.2",
"timestamp": "2017-01-20T11:04:21-05:00",
"mrscAccessCode": "99999",
"success": true,
"message": {
  "id": "254333",
  "date_created": "2016-10-23 15:30:30",
  "last_modified": "2017-01-16 07:32:22",
  "product_name": "THINKPAD ONELINK+ DOCK",
  "product_detail_link": "http://www.amazon.com/Lenovo-40A40090US-THINKPAD-
ONELINK-
DOCK/dp/B019II0PHW%3FSubscriptionId%3DAKIAIKRYDR3R75D2V3DQ%26tag%3Dcroprole%26li
nkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3DB019II0PHW" ,
  "product_description": null,
  "asin_no": "B019II0PHW",
  "parent_asin": null,
  "dimension_height": "2.5",
  "dimension_length": "9.8",
  "dimension_width": "7.9",
  "dimension_unit": "INCHES",
  "weight": null,
  "weight_unit": "POUNDS",
  "shipping_weight": "2.05",
  "product_picture": "http://ecx.images-
amazon.com/images/I/41FHFIL530L._SL75_.jpg" ,
  "upc": "889800394355",
  "ean": "0889800394355",
  "full_info": "1",
  "product_procedure": null,
  "product_category": "48",
  "marksman_category": "499",
  "needs_update": "0",
  "new_price": "13755",
  "list_price": "14494",
  "used_price": "12319",
  "manufacturer_id": "86",
  "brand": "Lenovo",
  "model": "40A40090US",
  "warranty": null,
  "release_date": null,
  "creator": null
},
"error": null,
"query": "\/api.php?
mrscAccessCode=99999&timestamp=1484928261&signature=ed4a988e74bd6c7dd1f2523524a5207e1c
69891f941fa511f7d0aa5e914359bf" ,
"method": "POST"
```

getSkuList

Parameters:

This action does not take any parameters.

Response:

This call lists all of your SKU's our system knows about. Please note that in our system a SKU is basically just your own unique ID for a generic product. The `product_id` field in the response body is our internal ID for the product which can be passed as a key to *getGenericInfo*

```
"status": "SUCCESS",
"apiVersion": "0.2",
"timestamp": "2017-01-20T11:07:02-05:00",
"mrscAccessCode": "99999",
"success": true,
"message": [
  {
    "id": "162867",
    "sku": "somekindathinga",
    "product_id": "303335",
    "product_name": "Not a flashlight",
    "upc": null,
    "ean": null,
    "asin_no": null,
    "product_picture": null,
    "new_price": "0",
    "list_price": "0",
    "used_price": "0"
  },
  {
    "id": "162868",
    "sku": "something-else",
    "product_id": "303336",
    "product_name": "Blue flashlight",
    "upc": null,
    "ean": null,
    "asin_no": null,
    "product_picture": null,
    "new_price": "0",
    "list_price": "0",
    "used_price": "0"
  },
  {
    "id": "162866",
    "sku": "testsku-125",
    "product_id": "303334",
    "product_name": "testsku-125",
    "upc": null,
    "ean": null,
    "asin_no": null,
```

```

        "product_picture": null,
        "new_price": "0",
        "list_price": "0",
        "used_price": "0"
    }
],
"error": null,
"query": "\/api.php?
mrscAccessCode=99999&timestamp=1484928422&signature=e9ba4aed9c3ca2bcddef24de3ccc446576
1c3c74074271aa8ec6e97d016b63b6" ,
"method": "POST"

```

getInventory

This call returns a list of items currently located at the Marksman RSC facility.

A response will look like this:

```

"status": "SUCCESS", "apiVersion": "0.2",
"timestamp": "2017-01-20T11:58:11-05:00" ,
"mrscAccessCode": "20025",
"success": true,
"message": {
    "total_records": 12,
    "records_returned": 12,
    "options": {
        "search": {
            "Condition_Name": [
                "LIKE",
                "Refurb"
            ],
            "Marksman_Category_Name": [
                "LIKE",
                "Laptop"
            ]
        }
    },
    "inventory": [
        { item },
        { item },
        { item }....
    ],
    "error": null,
    "query": "\/api.php?
mrscAccessCode=20025&timestamp=1484931491&signature=c07e54d60a77b5a6678817a95bede4809e
d792338a30c5818b4eef603f78e4f4" ,
    "method": "POST"

```

total_records

The total number of records matching your query

records_returned

The number of item records returned.

options

Shows how our system understood any options you passed.

inventory

This array contains records of each matching product in inventory. The objects contained are of the same format returned by **getItemInfo**

Parameters

No parameters are required. However, several optional parameters are allowed, and should be passed as an associate array or object **options**

Valid Options:

search

Search is an associate array of columns to check against values. It is a limited form of a SQL WHERE clause.

Example:

```
"mrscAccessCode" : "20025",
"body" : {
  "section" : "item",
  "action" : "getInventory",
  "options" : {
    "search" : {
      "Condition_Name" : [
        "LIKE",
        "Refurb"
      ]
    }
  }
}
```

Each search term column name, followed by an operator, and a value. The contents of the returned columns will be compared against the value using the specified operator.

Allowed operators include:

- =
- !=
- IS
- IS NOT
- LIKE

Multiple search criteria are ANDed together.

```
"mrscAccessCode" : "20025",
"body" : {
```

```

    "section": "item",
    "action": "getInventory",
    "options": {
      "search": {
        "Condition_Name": [
          "LIKE",
          "Refurb"
        ],
        "Marksman_Category_Name": [
          "LIKE",
          "Laptop"
        ]
      }
    }
  }
}

```

The above results in a WHERE clause like this:

```

AND (
  Condition_Name LIKE '%Refurb%'
  AND Marksman_Category_Name LIKE '%Laptop%'
)

```

addProducts

This action allows you to create or update product templates, or "generic" products in our system. You can only update your own templates.

Templates which contain a valid UPC, EAN, or ASIN are considered global templates and can only be edited by the person who created them. In some cases a global template becomes "locked", meaning our system pulls information from a trusted source to update the template and the user who created it can no longer change these details.

```

"body": {
  "section": "item",
  "action": "addProducts",
  "products": [
    {
      "product_name": "Test product",
      "asin_no": "B01D8H09TS",
      "dimension_height": 4.5,
      "dimension_length": 2,
      "dimension_width": 7,
      "shipping_weight": 8,
      "product_description": "This is my product"
    }
  ]
}

```

Allowed Parameters

- product_name

- Name of the product. Max 255 characters
- product_detail_link
 - Link to information about product. Max 255 characters
- product_description
 - Text description of product. Max 255 characters
- asin_no
 - ASIN for product on Amazon.com
- parent_asin
 - Parent ASIN for product on Amazon.com
 - **You can use this field instead of ASIN if you are trying to create a variant template of a global template**
- dimension_height
 - Float; height of product
- dimension_length
 - Float; length of product
- dimension_width
 - Float; width of product
- shipping_weight
 - Float; average estimated weight of product when packaged for shipping
- dimension_unit
 - Unit of measurement used for height, length, width. Defaults to INCHES
- weight
 - Weight of unit
- weight_unit
 - Measurement unit for product weights. Defaults to POUNDS
- product_picture
 - URL to picture of the product. For integration purposes this image should be no larger than 75x75 pixels and must not require authentication to access
- upc
- ean
- brand
 - Brand or manufacturer of the product. Max 255 characters
- model
 - Model number of product. Max 255 characters
- warranty
 - Description of warranty coverage for the product. Max 255 characters

Special Parameters

Specify any of the following parameters to update a matching, existing template:

id - our internal product_id

asin_no

upc

ean

Please note: you cannot update a global template (has valid upc, ean, or asin_no) unless you are the one who created it.

Request

Request allows you to place requests for service, generate outbound shipments, and check the status of requests placed with us.

addItem [internal]

This function is currently only accessible internally.

Parameters:

order_id - The order_id of the request

request_id - Internal id of the request

force - boolean

items array of item numbers

This action will take the given item numbers and add them to the specified request. This will fail if there is an item or request ownership issue or the items are in invalid conditions for the request.

Passing **force=true** ignores validation.

If adding items to an incoming request the incoming_box of the item will be set to null. If adding items to an outgoing request the outgoing_box_id of the items will be set to null.

getRequest

Returns information about a request in our system, including all products in the request.

Parameters:

Must specify one of the other:

order_id - The order_id or reference number of the request

request_id - The internal id of the request object

Example Request:

```
"body": {
  "section": "request",
  "action": "getRequest",
  "order_id": "170115STL"
}
```

Example Response:

```
{
  "status": "SUCCESS",
  "apiVersion": "0.2",
  "timestamp": "2018-02-15T20:17:49-05:00",
  "mrscAccessCode": "99999",
  "success": true,
  "message": {
    "id": "10619",
    "company_id": "0",
    "user_id": "1",
    "request_date": "2018-02-15 20:17:49",
    "modify_date": null,
    "order_id": "EZ538-090-981-829",
    "request_status": "PENDING",
    "return_reason": null,
    "request_type": "EZ",
    "items_received": "0",
    "items_total": "7",
    "fee_dollars": "0",
    "fee_cents": "0",
    "comment": null,
    "customer_notes": "Bullshit\\\\\\\\n\\\\\\\\n",
    "marksman_ships": false,
    "pending": false,
    "expected_packages": null,
    "redmineTicket": null,
    "items": [ .... ], // array of items as with getItem
    "attachments": [
      {
        "id": "10081",
        "user_id": "1",
        "file_name": "yes.pdf",
        "file_type": "application/pdf",
        "file_size": "489991",
        "upload_date": "2018-02-15 20:17:49",
        "is_shipping_label": "0",
        "file_local_url":
          "\\home\\jason\\projects\\inventory_us\\src\\uploads\\a20$
      }
    ],
    "packages": [
      {
        "id": "13025",
        "is_outgoing": null,

```

```
    "tracking_number" : "SD3FERFEREGEGETG" ,
    "company_id" : "0",
    "user_id" : "1",
    "location" : null,
    "request_id" : "10619",
    "order_id" : null,
    "received_date" : "2018-02-15 20:17:49" ,
    "receiver_id" : null,
    "picture_box" : null,
    "picture_shipping_label" : null,
    "picture_packing_slip" : null,
    "picture_contents" : null,
    "item_quantity" : "0",
    "estimated_weight" : null,
    "weight_pending" : null,
    "actual_weight" : "5.2",
    "checkin_user" : null,
    "checkin_date" : null,
    "length" : "12",
    "height" : "8",
    "width" : "24",
    "comment" : null,
    "alternate_lookup" : null,
    "updated_tracking" : "0",
    "disposed" : "0",
    "disposal_date" : null,
    "disposal_user" : null
  }
],
"optional_services" : [
  {
    "name" : "REPACKAGE",
    "extra_instructions" : "Place all items in steel containers"
  },
  {
    "name" : "RELABEL",
    "extra_instructions" : "Do the stickers"
  },
  {
    "name" : "PALLETIZE",
    "extra_instructions" : "Add some things to the pallet"
  },
  {
    "name" : "TAKE PICTURE",
    "extra_instructions" : "If it is on fire"
  },
  {
    "name" : "RECORD SERIAL NUMBER",
    "extra_instructions" : "For all damaged items"
  },
  {
    "name" : "INSERTS",
    "extra_instructions" : "Put a new manual in each unit"
  }
]
```

```
    },
    {
        "name": "REPAIR AUTHORIZED" ,
        "extra_instructions": "35"
    }
],
    "skuInformationNeeded" : []
},
"error": null,
"query": "\/api.php\/?
section=request&action=getRequest&mrscAccessCode=99999&timestamp=1$
"method": "POST"
}
```

Field	Meaning
id	This is the internal database id of the newly created request. You can use this in other parts of the API to refer to the request.
company_id	This is the company which owns the request. [Not yet implemented]
user_id	Database id of the account that owns the request
request_date	Date and time request was created
modify_date	The last time the request was changed. This is triggered by status updates, changes to the comment, etc.
order_id	The order id assigned to the request. This should be recorded. It may be different than what you asked for. This will be automatically generated if you left order_id blank when creating the request.
request_status	The status of your request. This is explained elsewhere.
return_reason	DEPRECATED; This is a note about why the order is being sent.
request_type	The type of request it is.
items_received	Integer of how many items Marksman has received already.
items_total	Total count of items in the request.
fee_dollars	DEPRECATED
fee_cents	DEPRECATED
comment	Marksman's internal notes about the request.
customer_note	Customer-provided extra instructions
marksman_ships	Boolean. Indicates if Marksman is supposed to generate shipping labels for the request.
pending	Boolean. True indicates the order is a draft.
expected_packages	How many packages expected to be received.
redmineTicket	If the request has a Redmine ticket to track status the ticket number will be here.
skuInformationNeeded	List of SKUs in the request which were newly created.
packages	Array of packages in the request
items	Array of items in the request
attachments	Array of attached files
optional_services	Array of optional_services for the request.

makeRequest

This action allows you to place an inbound request in our system, letting us know you are sending items for us to service.

Field	Type	Required	Usage
order_id	String; max 255	N	A code used to identify the request. If one is not provided our system will generate a random one for you.
requestType	String	Y	The type of order you are sending.
items	Array	N	An array of the products you are sending.
packages	Array	N	An array of packages being sent. Includes tracking numbers and dimensions
attachments	Array	N	Array of base64 encoded files to attach to the request
comment	String	N	A comment or extra instructions for the request. Will be seen by our receiving staff when the order arrives.
update	Bool; default false	Y	If set to true and the order_id you pass matches an existing request your API call will modify the existing request. You can use this to add items, packages, or attachments as well as update the comment.

Parameters:

order_id

This is a unique identifier for your request. If left blank we will randomly generate one for you.

requestType

The request type indicates the type of work you want performed on the items you are shipping, and indicates to us the origin of the items so we can process them more efficiently.

Valid values:

- **EZ** - indicates the items are being sent for returns processing or some kind of inspection/testing.
- **PREP** - Indicates the items are new merchandise that do not require any testing, repairs, or similar services. Use this for FBA prep, sending items for fulfillment, or sending us any kind of spare parts or materials.
- **FORWARDING** - Indicates the order is packages you want us to receive without opening and later ship out.

- **FBA** - indicates the items are returned merchandise sold through Amazon fulfillment and being shipped to us from Amazon.
- **FBM** - indicates the items are returned merchandise shipping to us from your buyer.

It is important you select the correct type of request for best service. Selecting the wrong type of request for your items can result in significant delays in service.

Note about FBA and FBM: These are both hold-overs from a time Marksman only served Amazon sellers. They have the same effect as EZ and you are not required to use them. However, we ask that you do if you can because it helps us keep better metrics on inbound orders.

comment

Optional field; allows you to specify extra instructions or comments about your request. These comments will be visible to our receiving and refurbishment teams.

Please try to be clear and succinct about any special requirement you have.

items

Items is an array of objects representing the items you are sending in the request. Each item has the following fields:

Field	Required	Usage
sku	No*	Your SKU for the item.
upc	No*	UPC for the item
asin	No*	Amazon ASIN for the item
product_name	No	The title of the product as it would appear for sale. This is only needed if you only provided SKU and you have never sent the item to us before.
return_reason	No	A text note about why you are sending the item to us. Our refurb staff will see this note when servicing the item. Please note: This field should only be used for items being sent for return handling. It does nothing for FORWARDING or PREP orders.
quantity	Y	How many of this item you are sending
serial_number	N	The serial number of the item. Provide this if you want us to double check the serial number of the item received matches.
serviceLevel	N	Only for returns. This selects which level of service you want. 2 = full service, 1 = visual inspection only, 0 = receive only. The default is 2.

*: You have to provide one of these fields but not all of them.

Here is a valid example:

[


```

    "sku": "US_7867676",
    "quantity": 5,
    "return_reason": "Please make sure batteries are included"
  ],
  [
    "sku": "US_64435454",
    "quantity": 1,
    "serial_number": "RD767678676",
    "serviceLevel": 0,
    "return_reason": "Please just check the serial number matches"
  ],
  [
    "upc": 07084700329,
    "quantity": 24
  ]
]

```

packages

An array telling us about what packages you are sending. This is completely optional, but has the following uses:

1. When you provide tracking numbers this way you do not need to place the order_id on the outside of the package.
2. This is useful for making FORWARDING orders.
3. This may help us identify your delivery and speed up intake of your items.

Field	Type	Required	Usage
tracking_number	String	N	The tracking number of the package.
comment	String; max 255	N	A note about your package. Will be stored for later and visible in your account.
length	Float	N	Length in inches
width	Float	N	Width in inches
height	Float	N	Height in inches
actual_weight	Float	N	Weight in pounds. Do not confuse this with estimated_weight in our API.

attachments

An array containing files you want to attach to your request.

Field	Type	Required	Usage
file_name	String	Y	Name of the file
data	String (base64)	Y	The file encoded as a base64 string.

optional_services

This is an array of "optional services" requested for the request. These represent value-added services you may want performed.

Field	Type	Required	Usage
service	String	Y	Specify which optional service is required
notes	String; max 255	N	Add additional notes or requirements about how the service should be performed.

List of Optional Services

Service	What it means
REPACKAGE	Some kind repackaging is requested. This can be:
RELABEL	Items need labels replaced or stickers removed. Please specify what labels need changed.
PALLETIZE	Used for OUTGOING requests. This instructs the shipping team to palletize the shipment.
TAKE PICTURE	Take pictures of the items if any defect or damage is found. The note should list any special instructions about when or how to take pictures.
RECORD SERIAL NUMBER	Record serial numbers of all items in the request. Extra notes may give more detailed instructions, such as "Record serial number only for damaged units."
INSERTS	Specifies that some items in the request need to be combined/bundled or have other items included in the packaging. The note should either provide specific instructions or reference a file attachment which includes instructions.
REPAIR AUTHORIZED	Pre-authorize additional repairs or services that will improve the resale value of items. The note can include instructions or a dollar amount. See Appendix: Pre-Authorized Repairs for a better understanding.

Examples:

Return handling order

This example places a return handling order containing several different items with different levels of service selected for each.

```
"action": "makeRequest"
```

```
"order_id": "my order is nice 25" ,
"requestType": "EZ",
"items": [
  {
    "sku": "somekindathinga" ,
    "upc": null,
    "asin": null,
    "product_name": "Not a flashlight" ,
    "return_reason": "Wrong item" ,
    "quantity": 1,
    "serial_number": null,
    "serviceLevel": 1,
    "action": "add"
  },
  {
    "sku": "something-else" ,
    "upc": null,
    "asin": null,
    "product_name": "Blue flashlight" ,
    "return_reason": "Defective" ,
    "quantity": 2,
    "serial_number": null,
    "serviceLevel": 2,
    "action": "add"
  },
  {
    "sku": "something-else" ,
    "upc": null,
    "asin": null,
    "product_name": null,
    "return_reason": null,
    "quantity": 1,
    "serial_number": "1337_555" ,
    "serviceLevel": 1
    "action": "add"
  }
],
"comment": "Here are some extra instructions" ,
"packages": [
  [
    "tracking_number": "...",
    "comment": "My notes about this package" ,
    "length": 18,
    "width": 12.5,
    "height": 4,
    "actual_weight": 5.2
  ]
],
"attachments": [
  [
    "file_name": "packing_slip.pdf" ,
    "data": ...base64 encoded file...
  ]
]
```

```
]
"update": false
```

Example Response:

```
"status": "SUCCESS",
"apiVersion": "0.2",
"timestamp": "2017-01-23T11:59:03-05:00" ,
"mrscAccessCode": "20025",
"success": true,
"message": {
  "id": 3126,
  "company_id": 0,
  "user_id": "62",
  "request_date": "2017-01-23 11:59:03" ,
  "modify_date": null,
  "order_id": "my order is nice 25-0" ,
  "request_status": "PENDING",
  "return_reason": null,
  "request_type": "EZ",
  "items_received": 0,
  "items_total": 4,
  "fee_dollars": 0,
  "fee_cents": 0,
  "comment": null,
  "customer_notes": "I have changed my comment" ,
  "marksman_ships": false,
  "skuInformationNeeded": [
    "somekindathinga" ,
    "something-else"
  ]
},
"error": null,
"query": "\/api.php\/?
section=request&action=makeRequest&mrscAccessCode=20025&timestamp=1485190743&signature
=9361a5cc9545b49d494f9674b066ff76b0ecb4f083aeb04438c009383433fae4" ,
"method": "POST"
```

Forwarding Order

```
"action": "makeRequest"
"order_id": "6516815615641511" ,
"requestType": "FORWARDING" ,
"items": null,
"comment": "When these packages arrive please place new shipping label and mail out." ,
"packages": [
  [
    "tracking_number": "....",
    "comment": "My notes about this package" ,
    "length": 18,
    "width": 12.5,
    "height": 4,
```

```

        "actual_weight" : 5.2
    ],
    [
        "tracking_number" : "51515156156165156455315"
    ],
    [
        "tracking_number" : "51515615641515151561561561"
    ],
    [
        "tracking_number" : "848481784841815151511515"
    ]
],
"attachments" : [
    [
        "file_name" : "new_shipping_labels.pdf" ,
        "data" : ...base64 encoded file...
    ]
]
"update" : false

```

Response

The response is the same as with get getRequest.

createShipment

This is used to create an outbound shipment from our facility. This is roughly the same as going to Inventory -> Ship Refurbished Items on our website.

Each outbound shipment consists of:

order_id

An unique identifier for your order, such as the Amazon or eBay order id. If this isn't specified our system will generate one for you.

requestType

This should always be "OUTGOING" at this point in time, but in the future this will be used to indicate different types of outgoing requests needing different kinds of services.

comment

A text comment including any special shipping or packing instructions.

items

An array of items you want to have shipped out. Each element of the array must include either a **sku** and **quantity** or an item number for the specific item you want to ship.

Example Request:

```
"order_id": "102-1334441-555",
"update": false,
"requestType": "OUTGOING",
"comment": "Please pack this shipment on a pallet." ,
"items": [
  {
    "sku": "testsku-125",
    "quantity": 5
  },
  {
    "item_no": '10009875'
  }
]
```

The above would create an outbound request with the order id 102-1334441-555 containing the specific item 10009875 and a total of 5 items with the sku *testsku-125*

The response to a successfully created request looks like this:

```
"status": "SUCCESS",
"apiVersion": "0.2",
"timestamp": "2017-01-25T14:34:51-05:00" ,
"mrscAccessCode": "20025",
"success": true,
"message": {
  "id": 3131,
  "company_id": 0,
  "user_id": "62",
  "request_date": "2017-01-25 14:34:51" ,
  "modify_date": null,
  "order_id": "OUTGOING-719-995-354-587" ,
  "request_status": "PENDING",
  "return_reason": null,
  "request_type": "OUTGOING",
  "items_received": 0,
  "items_total": 5,
  "fee_dollars": 0,
  "fee_cents": 0,
  "comment": null,
  "customer_notes": "Please place fliers with my logo inside all packages. Testing
update.",
  "marksman_ships": false,
  "items": [
    {
      "iproduct_id": "11645",
      "ASIN": null,
      "FNSKU": null,
      "iproduct_name": "testsku-125",
      "request_id": "3128",
      "outgoing_request_id": "3131",
      "itemNo": null,
      "company_id": null,
```

```

        "user_id": "62",
        "checkin_date": "2017-01-25 14:33:19",
        "box": null,
        "outgoing_box_id": null,
        "Item_Condition": "16",
        "Serial Number": null,
        "itemComment": null,
        "consignment": "0",
        "location": null,
        "merchant_sku": "testsku-125",
        "serviceLevel": "2",
        "product_id": "303342",
        "gproduct_name": "testsku-125",
        "product_detail_link": null,
        "parentASIN": null,
        "dimension_height": null,
        "dimension_length": null,
        "dimension_width": null,
        "dimension_unit": null,
        "weight": null,
        "shipping_weight": null,
        "weight_unit": null,
        "product_picture": null,
        "upc": null,
        "ean": null,
        "product_category": null,
        "marksman_category": "1",
        "List Price": "0",
        "New Price": "0",
        "Used Price": "0",
        "Brand": null,
        "Model": null,
        "Marksman_Category_Name": "Uncategorized",
        "Marksman_Category_Description": "Products that have no category assigned",
        "Marksman_Category_Dollars": null,
        "Marksman_Category_Cents": null,
        "inspection": "1",
        "fullService": "0",
        "Condition_Id": "16",
        "Condition_Name": "New",
        "Condition_Description": "A brand-new, unused, unopened item in its original
packaging, with all original packaging materials$
        "Condition_Final": "1",
        "Approval_Required": "0",
        "consignment_modifier": "0.00",
        "discount": "0.00",
        "Sale Price": "0.00",
        "SKU": null
    }
    ....
]
},

```

You will notice the response is generally the same as the **getRequest** call. If any errors are encountered your request will *not* be created, and the **errors** response section will have a description of the problem.

If you attempt to create an outbound shipment which includes items unavailable for shipping you will get a response like this:

```
"status": "FAILURE",
"apiVersion": "0.2",
"timestamp": "2017-01-25T14:19:49-05:00" ,
"mrscAccessCode": "20025",
"success": false,
"message": null,
"error": "Item not found: SKU testsku-125 not found." ,
"query": "\/api.php\/?
section=request&action=createShipment&comment=Please+place+fliers+with+my+logo+inside+
all+packages.+Testing+update.&mrscAccessCode=20025&timestamp=1485371989&signature=c318
e4ff06998417449c24277fc195149f7ace2d0777fd073f7252255be79d92" ,
"method": "POST"
```

Shipping

Shipping allows you to get shipping rates, purchase shipping labels, and check status of packages. We use GoShippo as our backend provider for labels. Using our shipping API you can take advantage of our discounted FedEx and USPS rates.

getRates

Call this to set up a shipment and get available rates.

Example Request:

```
"destination_address": {
  "name": "Test",
  "street_address1": "1726 Viking Avenue",
  "street_address2": " ",
  "city": "Orrville",
  "province": "OH",
  "postal_code": 44667,
  "country": "US",
  "email": null,
  "phone": "513-771-8777"
},
"from_address": {
  "name": "Marksman 20015",
  "street_address1": "571 Northland Blvd",
  "street_address2": " ",
  "city": "Cincinnati",
  "province": "OH",
  "postal_code": 45240,
  "country": "US",
```



```

    "email": null,
    "phone": "513-771-8777"
  },
  "insurance_required": false,
  "insurance_amount": 0,
  "signature_required": "no",
  "saturday_delivery": false,
  "packages": [
    {
      "length": 4,
      "height": 4.5,
      "width": 8,
      "weight": 2,
      "distance_unit": "in",
      "mass_unit": "lb"
    }
  ],
  "testMode": false,
  "mrscAccessCode": "20025",
  "uri": "\\/?section=shipping&action=getRates" ,
  "debug": true

```

Parameters:

destination_address and **from_address**

Both of these parameters are required and require the same data. None of these fields can be left blank (this is a temporary limitation on our backend).

The fields should be self-explanatory aside from **email** and **phone**. You must provide an email address and a phone number to contact in the event of delivery problems. This is for the carrier to call you our your recipient about delivery issues.

If you do not provide this information it will be auto-completed using the email address and phone number you have on file with us. You can locate and update this information on our website by going to Your Account -> Update Your Account.

insurance_required (Boolean; true or false)

Select whether or not you need to purchase insurance for this shipment.

insurance_amount (float)

Set to the amount of insurance for the shipment if **insurance_required**. This is a float in USD.

signature_required (ENUM: "no", "standard", "adult"; default to "no")

Whether or not your require your package to be signed for.

no: No signature will be required

standard: A signature will be required

adult: Carrier will verify person who signs for package is an adult

saturday_delivery: (Boolean; true of false)

Whether or not your package can be delivered on a saturday. Defaults to false.

packages (array)

Packages is an array of packages included in this shipment. Each package must have the following information:

```
"length": 4,  
"height": 4.5,  
"width": 8,  
"weight": 2,  
"distance_unit": "in",  
"mass_unit": "lb"
```

length, height, width, and weight (float)

distance_unit

Defaults to "in" for inches. Allowed values:

- in
- cm
- ft
- mm
- m
- yd

mass_unit

Defaults to "lb". Allowed values:

- lb
- g
- oz
- kg

A successful response will look as follows:

Example Response:

```
"status": "SUCCESS",  
"apiVersion": "0.2",  
"timestamp": "2017-01-23T11:00:41-05:00" ,  
"mrscAccessCode": "20025",  
"success": true,  
"message": [  
  [  
    {  
      "object_state": "VALID",  
      "object_id": "029d4a0e4f21493e9263c3d6652001c8" ,  
      "provider": "USPS",  
      "provider_image": "https:\\\\shippo-  
static.s3.amazonaws.com\\providers\\75\\USPS.png" ,  
      "servicelevel_name": "Priority Mail Express" ,
```

```

        "days": 2,
        "arrives_by": null,
        "duration_terms": "Overnight delivery to most U.S. locations." ,
        "amount": "25.94",
        "signature":
"01b3955eb8514c93da0bd3a1d06f3ffa386445992cbdac3ea2efdbb8893e2f92" ,
        "shipment_id": 72
    },
    {
        "object_state": "VALID",
        "object_id": "dc1bb2435f5d40fd8725ed41ec51b992" ,
        "provider": "USPS",
        "provider_image": "https:\\\\shippo-
static.s3.amazonaws.com\\providers\\75\\USPS.png" ,
        "servicelevel_name": "Priority Mail" ,
        "days": 2,
        "arrives_by": null,
        "duration_terms": "Delivery within 1, 2,\u00a0or 3 days\u00a0based on
where your package started and where it\u2019s being sent." ,
        "amount": "7.00",
        "signature":
"ff7b152858605137e0b7d006f180285002afa544581359d9991f2c482c495362" ,
        "shipment_id": 72
    },
    {
        "object_state": "VALID",
        "object_id": "8e1c8680af294e22980148083bb44ec7" ,
        "provider": "USPS",
        "provider_image": "https:\\\\shippo-
static.s3.amazonaws.com\\providers\\75\\USPS.png" ,
        "servicelevel_name": "Parcel Select" ,
        "days": 7,
        "arrives_by": null,
        "duration_terms": "Delivery in 2 to 8 days." ,
        "amount": "7.26",
        "signature":
"dde88bfd30e9015d2e42c6f700710e605b6cd5675345d95681706b8fdcb14f7e" ,
        "shipment_id": 72
    }
]
],
"error": null,
"query": "\\api.php\\?
section=shipping&action=getRates&mrscAccessCode=20025&timestamp=1485187241&signature=a
17d74cab59cd0a607f9f4f6814ce34433bcc8e1d19d52bc967c0efde78e056" ,
"method": "POST"

```

The **message** section of the response will contain an array of available shipping rates for each package in your request. The example above is for a shipment including only one package.

Rate Objects

There will be an array of rate objects for each package. If you have used goshippo before you may recognize these, as they are very similar.

You will purchase rates through our API by passing the rates you wish to purchase. You must not modify these objects.

object_state

Either "VALID" or "INVALID". A state of "INVALID" generally means the address information you've provided is not valid.

provider

This is the name of the shipping provider

provider_image

This is a url to an image or logo for the provider.

servicelevel_name

This is the provider's name for the type of service the rate will purchase, such as "Priority Mail", "First Class Mail", etc.

days

This is how long the provider estimates it will take to deliver your package at this rate.

duration_terms

This is a text explanation of the delivery terms for the rate

amount

This is how much the label will cost in USD.

signature

This is our internal signature of the rate.

shipment_id

This is used for our internal processes

purchase

This action allows you to purchase a shipping rate you've received through **getRates**. You simply pass an array of rates you wish to purchase. You do not need to provide an address or other information, as this is stored via the **shipment_id** parameter.

Optional Parameter: request_id

If you pass request_id and it matches the internal id of an already existing OUTGOING shipment (created through the website or with **createShipment** the purchased label will be automatically attached to that request).

```
"action": "purchase",  
"mrscAccessCode": "20025",  
"rates": [
```

```
{
  "object_state": "VALID",
  "object_id": "b1066812c6b341d8a56722b96358d6ae" ,
  "provider": "USPS",
  "provider_image": "https:\\\\shippo-
static.s3.amazonaws.com\\providers\\75\\USPS.png" ,
  "servicelevel_name": "Priority Mail",
  "days": 2,
  "arrives_by": null,
  "duration_terms": "Delivery within 1, 2,\u00a0or 3 days\u00a0based on where
your package started and where it\u2019s being sent." ,
  "amount": "7.00",
  "signature":
"8be5fedb092b6bea7134c468f2b799d364783b05c8d5c42af1dbec66cdc8580f" ,
  "shipment_id": 74
}
]
```

A successful purchase will look like this:

```
"status": "SUCCESS",
"apiVersion": "0.2",
"timestamp": "2017-01-23T11:49:38-05:00" ,
"mrscAccessCode": "20025",
"success": true,
"message": [
  {
    "status": "SUCCESS",
    "tracking_number": "9205590164917308211689" ,
    "total": "7.00",
    "file_id": 3195
  }
],
"error": null,
"query": "\\api.php\\?
section=shipping&action=purchase&mrscAccessCode=20025&timestamp=1485190178&signature=f
ed372685c61ce8051d87304d1b2c9a27f5fb0433508d6eb4361b0da473fb492" ,
"method": "POST"
```

The message portion of the response will include an array of objects each detailing the label purchased. You will see the tracking number and total price, as well as a **file_id** field.

You can use the **file_id** to associate the shipping label with a request in our system, or download it through the **user** API section with the action **getFile**.

Your shipping label is also automatically saved under Your Account -> Your Files on our website. You can download it through your web browser.

User

User section allows access to various billing functionality, reports, uploaded files, and other things that don't directly fit in another section.

ping

This action takes no parameters. It simply generates an empty response to verify the API endpoint is live and that you are successfully authenticated.

billUser [internal]

This is an internal API function used to apply fees or refunds to accounts.

Appendix

Pre-Authorized Repairs

Pre-authorized repairs specifies an additional budget for improving item condition which may be used if the condition of an item can be significantly improved with additional work outside the normal services provided.

This optional service is highly recommended for customers with high volumes of returns because it can improve the speed of service and reduce unnecessary communication.

An example of this might be a returned item which is very dirty. Normally Marksman would indicate the item is dirty and wait on customer approval before cleaning the item. With a pre-authorized repair of 5 dollars Marksman would evaluate if the item can be cleaned for 5 dollars or less, and then act accordingly without further confirmation.