

## Inventory Retrieval

### Standard Submission API

The following fields in the API allow the system to identify the filter criteria on the gateway. The submission endpoint address is <http://www.ronlynn.com/RLMServices/services/Item>

The operation name is getInventory

ATS: Available To Sell

FIELD	REQUIRED	VALUE	MAX LENGTH	DESCRIPTION
AUTHENTICATION	Yes	N/A	N/A	It's encapsulates the authentication values, username and key.
USERNAME	Yes	Any string	N/A	It's the username for the authentication
KEY_VALUE	Yes	Any string	N/A	It's the key encrypted value that matches the username
COMPANY_NUMBER	Yes	Any number	4	Contains the company number
DIVISION_NUMBER	No	Any number	2	Contains the division number
SEASON_CODE	No	Any character	1	Contains the season code
SEASON_YEAR	No	Any number	2	Contains the season year
INTERNAL_SKU_NUMBER	No	Any number	7	Unique identifier of the style
STYLE_NUMBER	No	Any string	10	Contains the style number
FABRIC	No	Any string	10	Contains the fabric code
LENGTH	No	Any string	5	Contains the length code
WAREHOUSE	No	Any number	2	When specified only inventory for that warehouse is retrieved, otherwise

				inventory is for all warehouses where the style exists.
RETRIEVE_UPCS	No	Y,N	1	Indicates whether or not to retrieve the UPCs for each style. If not retrieved, then the UPC tag is omitted from the result
ATS_POSITIVE	No	Y,N	1	Indicates whether or not to retrieve only sizes with available to sell quantity greater than zero
ATS_INCLUDES_WIP	No	Y,N	1	Indicates whether or not to include Work In Process into the Available To Sell quantity. Default value is Y.
ATS_INCLUDES_OPENORDERS	No	Y,N	1	Indicates whether or not to include Open Orders into the Available To Sell quantity. Default value is Y.
LIMIT_ROWS	No	Any number	N/A	Limits the number of rows retrieved

## Gateway Response API

This section describes the response returned by the gateway when submitted for processing. An XML is returned displaying some common information, plus a record set with all matching records.

TAG NAME	DESCRIPTION
<b>RESPONSE</b>	Is the main tag of the xml, it encapsulates the entire return value
<b>CODE</b>	A numeric value indicating if there was an error or the execution was successful. 0=Error, 1=Success
<b>DESCRIPTION</b>	A readable text message with the value of "Success" or the error message otherwise
<b>TOTAL_RECORDS</b>	The number of matching records that are returned on the current result, that match your filter criteria
<b>DATA</b>	It shows the name of the actual XML title being displayed, this way if result is saved you know what its displaying. In this case, it has an attribute called TABLENAME that equals ITEM_MASTER
<b>RESET</b>	Encapsulates the record set of rows that were retrieved from the database
<b>REC</b>	Encapsulates each record
<b>COMPANY</b>	Company code value
<b>DIVISION</b>	Division code value
<b>SEASON_CODE</b>	Season code value
<b>SEASON_YEAR</b>	Season year value
<b>INTERNAL_SKU_NUMBER</b>	Unique numeric value that represents the style
<b>STYLE_NUMBER</b>	Style number code value
<b>FABRIC</b>	Fabric code value
<b>LENGTH</b>	Length code value
<b>COLOR</b>	Color code value
<b>MADE_TO_ORDER</b>	If Y it means it can be added to orders regardless of the ATS values. If N it means that enough ATS inventory must exist when adding the style into the cart.
<b>SIZES</b>	Size code value
<b>UPCS</b>	Optional value, only if set to Y on the filter. UPC codes separated by comma. One for each size on the tag above.
<b>ATS</b>	Available to Sell quantity. When filters ATS_INCLUDES_WIP and ATS_INCLUDES_OPENORDERS are both set to N the quantity return is equal to In Stock.



## Samples

This is a sample of the request

```
<?xml version="1.0" encoding="UTF-8"?>
<ITEM_FILTER>
  <AUTHENTICATION>
    <username>XXUSER</username>
    <key_value>XXKEY</key_value>
  </AUTHENTICATION>
  <COMPANY_NUMBER>1</COMPANY_NUMBER>
  <DIVISION_NUMBER>10</DIVISION_NUMBER>
  <SEASON_CODE>R</SEASON_CODE>
  <SEASON_YEAR>11</SEASON_YEAR>
  <STYLE_NUMBER>1R11007</STYLE_NUMBER>
</ITEM_FILTER>
```

and this is the response back from the Gateway

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
  <CODE>1</CODE>
  <DESCRIPTION>Success</DESCRIPTION>
  <TOTAL_RECORDS>1</TOTAL_RECORDS>
  <DATA TABLENAME="INVENTORY_MASTER">
    <RECSET>
      <REC>
        <COMPANY>1</COMPANY>
        <DIVISION>10</DIVISION>
        <SEASON_CODE>R</SEASON_CODE>
        <SEASON_YEAR>11</SEASON_YEAR>
        <INTERNAL_SKU_NUMBER>456789</INTERNAL_SKU_NUMBER>
        <STYLE_NUMBER>1R11007</STYLE_NUMBER>
        <FABRIC></FABRIC>
        <LENGTH></LENGTH>
        <COLOR>BLACK</COLOR>
        <MADE_TO_ORDER>N</MADE_TO_ORDER>
        <SIZES>XS,S,M,L</SIZES>
        <UPCS>786664747153,786664747160,786664747177,786664747184</UPCS>
        <ATS>1524,0,1,30</ATS>
      </REC>
    </RECSET>
  </DATA>
</RESPONSE>
```