

# AllPosters.com Web Services: Product By Product Number Document: Getting Started

Welcome to the AllPosters.com "Product By Product Number" Web Service documentation. This document will help you get started with this Web Service and maximize the potential of running your website with the latest data from our database. But first, let's discuss some of the concepts behind this Web Service.

## What Are Web Services?

A service is a component performing a task, perhaps over a network. A Web Service can be identified by a Uniform Resource Identifier (URI). Its public interfaces and bindings are described using XML. Its definition can be discovered by clients who can interact with the Web Service using its definition.

The AllPosters.com "Product By Product Number" Web Service allows you to query our database for product data in real-time using a specific XML syntax.

## What Can I Do With Web Services?

With Web Services, you can query our database for product information and then receive the results back. Both the query and the results are submitted using XML. Thus, it will be up to you to determine how you want to use the data we send you.

By returning this data in XML, you are able work with the data using the software languages with which you are most comfortable.

## Web Service: The Request

Your request to the AllPosters.com "Product By Product Number" Web Service must be made in a SOAP message and must conform to our request specifications.

### Parameters Definition

Below is a table that defines all the parameters you can specify in your query:

Parameter	Explanation	Required/Optional
<i>WebSiteID</i>	This is the Website ID of your affiliate website that you want to track. This will be added to all the links that we return to you so that your sales and traffic can be recorded for this WebsiteID.	Required
<i>SearchText</i>	For this Web Service, this must be a single Product Number for an existing product in our system. The Product Number is always an	Optional (but Required if no <i>CategoryID</i> specified)

	integer, and the service accepts and returns only one Product Number per query. You can get the Product Number from either the AllPosters.com website, from a datafeed, or from the "Products Information" Web Service.	
<i>LanguageID</i>	Can specify to return product title and product details in the chosen language. Specify the language using the LanguageIDs below: 1 or Omitted = English 2 = French 3 = German 4 = Spanish	Optional (If not specified, or specified incorrectly, then "1" [or English] is used as the default)
<i>CurrencyCode</i>	Can specify to return the price information in one of the currencies supported by AllPosters.com. Specify the currency using a code from the list below: USD = United States, Dollars (Default) AUD = Australia, Dollars CAD = Canada, Dollars CHF = Switzerland, Francs DKK = Denmark, Kroner EUR = Euro Member Countries, Euro GBP = United Kingdom, Pounds HKD = Hong Kong, Dollars JPY = Japan, Yen NOK = Norway, Krone NZD = New Zealand, Dollars SEK = Sweden, Kronor SGD = Singapore, Dollars ZAR = South Africa, Rand	Optional (If not specified, or specified incorrectly, then USD is used as the default)

## An Example Request

Below is an example request for data from the AllPosters.com **"Product By Product Number"** Web Service.

In this example, this user is requesting the product information for an item with the Product Number "131262". Further, this user is requesting that the return results be in the French language where appropriate and that all relevant pricing information be converted and returned in EUROS.

```
<APC_Search_Query>
  <WebSiteID>12345678</WebSiteID>
  <SearchText>131262</SearchText>
  <LanguageID>2</LanguageID>
  <CurrencyCode>EUR</CurrencyCode>
</APC_Search_Query>
```

## Web Service: The Response

The response from the AllPosters.com **"Product By Product Number"** Web Services will always be in the form of an XML document.

This XML document will always return two parts: the status, and the result. You may use the status to determine if the request was successful or if there was an error and what the error was.

The status will return a 0 to indicate that there were no errors with the request. The status will return a 1 if there was a problem.

Let's take a closer look at what this means. The basic structure of the response is as follows:

```
<APC_Search_Results>
  <StatusCode>[either a 1 or a 0]</StatusCode>
  <Search_Error></Search_Error>
    - OR -
  <Search_Result></Search_Result>
</APC_Search_Results>
```

The "Search\_Error" node is only included if there is an error (StatusCode = 1). The "Search\_Result" node will only be returned if there is no error (StatusCode = 0).

### When StatusCode Equals 1

When the StatusCode equals 1, this means that an error has occurred. In this case, the "Search\_Error" node will be returned with data that will describe the error.

Below is the list of nodes returned for an error:

Search\_Error: An XML tag that is only returned if there is an error and that will contain the following error information:

1. ErrorNumber: The specific error code that identifies the type of error.
2. ErrorDescription: Description of the error

The following table shows the possible error codes and their corresponding error messages:

Error Code	Error Message	How to Resolve
101	No WebSiteID Specified	Make certain that you correctly specify your WebsiteID to which you wish to attribute these products.
102	No Search parameter specified	Make certain that you specify the text on

		which you wish to search in the "SearchText" node of the Request.
103	Specified WebsiteID does not exist	The WebsiteID you are attempting to use doesn't actually exist in our database. Double-check that you are using your real WebsiteID as specified in the MyAccount section of the AllPosters.com Affiliates Area.

### When Status Code Equals 0

When the status code equals 0 that means that the query was successful. In this case, the "Search\_Result" node will be returned with data that describes the result.

Below is the list of nodes returned when there is no error:

Search\_Result: An XML tag that is only returned if there is no error and that will contain the following result information:

3. Total\_No\_Of\_Products: total number of products returned in the search.
4. No\_Of\_Products\_In\_Current\_Page: total number of products displayed on a page, always a 1 with this Web Service.
5. Current\_PageNumber: the current page number, always a 1 with this Web Service.
6. Products: the XML node that contains the Product Information nodes, always a single product for this Web Service.

### The Products Node – Data About The Product

If the request was successful and returned data about the product, that data will be found in the "Products" node.

The "Products" node will contain a "ProductInformation" node for every product returned up the maximum number of products requested. In the case of this **"Product By Product Number"** Web Service, there will only be one product returned.

The following table defines each attribute in the "ProductInformation" node:

Node/Data Name	Description	Fixed Values
<i>Artist</i>	Name of the Artist	
<i>ArtistLink</i>	The URL used to navigate to the Artist category	
<i>CanBeFramed</i>	Indicates if a product can be framed	Y = Yes N = No
<i>FramedLink</i>	The URL used to navigate to the Framed Item	

<i>CanBeMounted</i>	Indicates if a product can be mounted	Y = Yes N = No
<i>MountedLink</i>	The URL used to navigate to the Mounted Item	
<i>DateAdded</i>	Date and time of when the product was added to our system	
<i>Directory</i>	Directory of where the image is located on the AllPosters.com image servers	
<i>ImageFileName</i>	Name of the full-size image file in .jpg format	
<i>ThumbnailFileName</i>	Name of the thumbnail image file in .jpg format	
<i>ImageWidth</i>	Width of the image in pixels as it appears on the product page	
<i>ImageHeight</i>	Height of the image in pixels as it appears on the product page	
<i>ThumbnailWidth</i>	Width of the thumbnail image in pixels	
<i>ThumbnailHeight</i>	Height of the thumbnail image in pixels	
<i>ImageURL</i>	The URL to use when linking to the full-size image of the product in an HTML IMG tag	
<i>ThumbnailURL</i>	The URL to use when linking to the thumbnail image of the product in an HTML IMG tag	
<i>ListPrice</i>	The listed price for the product. Will be the converted value in the currency specified in the request (see the information regarding "CurrencyCode" in "The Request" section above).	
<i>OurPrice</i>	The price we charge for the product. Will be the converted value in the currency specified in the request (see the information regarding "CurrencyCode" in "The Request" section above).	
<i>ProductWidth</i>	Actual width of the poster in inches	
<i>ProductHeight</i>	Actual height of the poster in inches	
<i>ProductLink</i>	The URL used to navigate to the Large Image of the Item on the AllPosters.com Website	
<i>ProductType</i>	Type of product	Poster, T-shirts, Art Print, Photo, Magnet, etc.
<i>Rank</i>	Indicates the ranking of the image on the site according to popularity. The more popular the product is, the higher the number it receives. The higher the number means the better the ranking	
<i>ProductNumber</i>	The AllPosters.com defined unique ID number of the product	
<i>Title</i>	Name of the product	