

**Product Name: Odysseus Booking Engine** 

# **Odysseus Air Search Form Implementation**

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# **Executive Summary**

This document will detail the steps a user has to take to install the Air search form on their website. The document takes into account the search forms that are built by Odysseus and available via downloads section of the support site: http://support.odysol.com.

# **Key Notes:**

Please note that the person installing these forms must have HTML/JavaScript knowledge and is assumed to be a web developer/designer.



# Basic search form widget setup steps for Air Search Form

## Step 1: Download the search form layouts from knowledgebase

The OFramework search form layouts are available in the knowledgebase of Odysseus Solutions. The layouts can be downloaded by using the below links

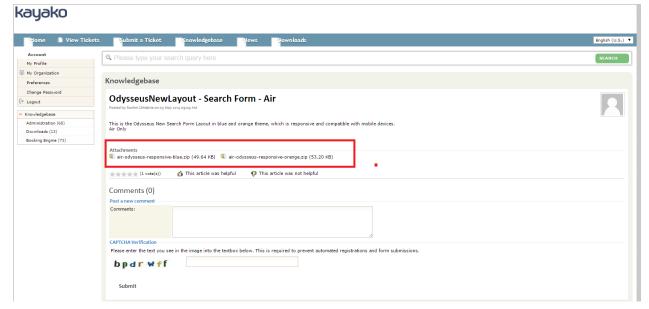
 Air Search Form Layout: http://odysseus.helpserve.com/Knowledgebase/Article/View/114/0/odysseusnewlayo ut---search-form---air

When you click on the above sample link you will be redirected to the online knowledgebase of Odysseus Solutions. If the following screen appears you must login first to gain access to the knowledgebase.





After successful login, you can download the layouts that are uploaded in ZIP format.





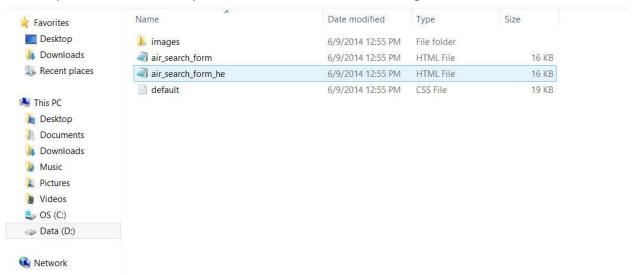
### Step 2: Setup the Zip file

After downloading the Zip file, perform the following steps

- 1. Extract the Zip file.
- 2. Create a folder in root directory of your website "OdyAirSearch".
- 3. Copy the contents of the "OdyResponsiveSearchForm-Blue-Air" folder derived from the extracted zip file to "OdyAirSearch".

**Note:** In case you are using orange theme then, Copy the contents of the "OdyResponsiveSearchForm-Orange-Air" folder derived from the extracted zip file to – "OdyAirSearch".

The contents remaining in the "OdyAirSearch" folder is as shown. Note, the # of files may change based on the file you download and languages supported. You cannot change the name of the files: air\_search\_form. You may change the layout inside these files but our JavaScript looks for the file by name and hence cannot be changed.



**Note:** When you extract the Zip file, you will find a Sample HTML Page which is available there only for reference and understanding.

**Note:** Throughout this setup document, we have used "OdyAirSearch" as folder name for reference and if you choose to rename the folder, please replace OdyAirSearch with the folder name you have chosen in all future references.



### Step 3: Create an ID

Identify the area on the home page where you want to load the search form and while loading the search form, create an ID "AirSearchForm" for the search form as follows

1. To load the search form in the left corner of the home page: Refer the following code segment in the home page to load the search form in the left corner. Please note that the below code which you see is just for reference purpose only. Do not directly use it in your page.

```
<body>
<div class="main">
<h1>Sample page for Air Search form Left Placement</h1>
<!--Header Start-->
<div class="header">{ Header }</div>
<!--Header End-->
<!--Navigation start-->
<div class="navigation">{ Navigation }</div>
<!--Navigation end-->
<!--Left Searchform Area start-->
<div class="left-searchform-area">{ Left Searchform Area }
<div id="AirSearchForm"></div>
</aiv>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="right-searchform-area">{ Right Searchform Area }</div>
<!--Right Searchform Area end-->
<!--Promotion Area start-->
<div class="promotion-area">{ Promotion Area }</div>
<!--Promotion Area end-->
<!--Left Searchform Area start-->
<div class="bottom-left-searchform-area">{ Bottom Left Searchform Area }</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="bottom-right-searchform-area">{ Bottom Right Searchform Area }</div</pre>
<!--Right Searchform Area end-->
<!--Footer start-->
<div class="footer">{ Footer }</div>
<!--Footer end-->
</div>
```



#### The mockup of the search form when loaded in the left corner is as shown



2. To load the search form in the right corner of the home page: Refer the following code segment in the home page to load the search form in the right corner. Please note that the below code which you see is just for reference purpose only. Do not directly use it in your page.

```
<body>
<div class="main">
<h1>Sample page for Air Search form Right Placement</h1>
<!--Header Start-->
<div class="header">{ Header }</div>
<!--Header End-->
<!--Navigation start-->
<div class="navigation">{ Navigation }</div>
<!--Navigation end-->
<!--Left Searchform Area start-->
<div class="left-searchform-area">{ Left Searchform Area }</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="right-searchform-area">{ Right Searchform Area }
<div id="AirSearchForm"></div>
</div>
<!--Right Searchform Area end-->
<!--Promotion Area start-->
<div class="promotion-area">{ Promotion Area }</div>
<!--Promotion Area end-->
<!--Left Searchform Area start-->
<div class="bottom-left-searchform-area">{ Bottom Left Searchform Area }</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="bottom-right-searchform-area">{ Bottom Right Searchform Area }</div>
<!--Right Searchform Area end-->
<!--Footer start-->
<div class="footer">{ Footer }</div>
<!--Footer end-->
</div>
```



# The mockup of the search form when loaded in the right corner is as shown

Sample page for Air Search form Right Placement		
{ Header }		
{ Navigation }		
{ Left Searchform Area } { Right Searchform Area }		
	Round Trip One Way Multi City	
	From	
	12/26/2014 Anytime v 01/02/2015 Anytime v	
	1 Adult   O Child   O Lap Infant   O Seat Infant	
	All Class/Cabin   Flexible dates   Direct flights   Fares with no penalties   Nearby airports	
Preferred Airlines		
	1. 2.	
	Search Flights •	
{ Promotion Area }		
{ Bottom Left Searchform Area }	{ Bottom Right Searchform Area }	
{ Footer }		

3. To load the search form in the bottom-left corner of the home page: Refer the following code segment in the home page to load the search form in the bottom-left corner. Please note that the below code which you see is just for reference purpose only. Do not directly use it in your page.

```
<body>
<div class="main">
<h1>Sample page for Air Search form Bottom Left Placement</h1>
<!--Header Start-->
<div class="header">{ Header }</div>
<!--Header End-->
<!--Navigation start-->
<div class="navigation">{ Navigation }</div>
<!--Navigation end-->
<!--Left Searchform Area start-->
<div class="left-searchform-area">{ Left Searchform Area }</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="right-searchform-area">{ Right Searchform Area }</div>
<!--Right Searchform Area end-->
<!--Promotion Area start-->
<div class="promotion-area">{ Promotion Area }</div>
<!--Promotion Area end-->
<!--Left Searchform Area start-->
<div class="bottom-left-searchform-area">{ Bottom Left Searchform Area }
kdiv id="AirSearchForm"></div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="bottom-right-searchform-area">{ Bottom Right Searchform Area }</div>
<!--Right Searchform Area end-->
<!--Footer start-->
<div class="footer">{ Footer }</div>
<!--Footer end-->
```



#### The mockup of the search form when loaded in the bottom-left corner is as shown





4. To load the search form in the right corner of the home page: Refer the following code segment in the home page to load the search form in the bottom-right corner. Please note that the below code which you see is just for reference purpose only. Do not directly use it in your page.

```
<body>
<div class="main">
<h1>Sample page for Air Search form Bottom Right Placement</h1>
<!--Header Start-->
<div class="header">{ Header }</div>
<!--Header End-->
<!--Navigation start-->
<div class="navigation">{ Navigation }</div>
<!--Navigation end-->
<!--Left Searchform Area start-->
<div class="left-searchform-area">{ Left Searchform Area }</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="right-searchform-area">{ Right Searchform Area }</div>
<!--Right Searchform Area end-->
<!--Promotion Area start-->
<div class="promotion-area">{ Promotion Area }</div>
<!--Promotion Area end-->
<!--Left Searchform Area start-->
<div class="bottom-left-searchform-area">{ Bottom Left Searchform Area }
</div>
<!--Left Searchform Area end-->
<!--Right Searchform Area start-->
<div class="bottom-right-searchform-area">{ Bottom Right Searchform Area }
<div id="AirSearchForm"></div>
<!--Right Searchform Area end-->
<!--Footer start-->
<div class="footer">{ Footer }</div>
<!--Footer end-->
```



The mockup of the search form when loaded in the bottom-right corner is as shown



To view the above sample page and loaded search form: Click Here



### Step 4: Configure the search form on home page

In the html file of the home page following changes needs to be done to render the search form in the home page at the desired location. The changes to be made are as follows

src="https://demo64.odysol.com/web/SearchForms/OFramework.js" ></script>
Note: you must change demo64.odysol.com to the domain that is setup with Odysseus.

#### Very important- Instructions for the above java script

- Always keep the id="OFrameworkJS", script type="text/javascript" and language="javascript", Do not change the id, script type and language variable else the search form will not work.
- Change the src= URL to https:// demo64.odysol.com/web/SearchForms/OFramework.js -- where demo64.odysol.com is your domain setup with Odysseus.

**Note:** if your domain is not setup with Odysseus, the form will only work in a test environment. The domain you use for specifying path for OFramework.js file is the domain that we will redirect the user to display the results.

- ThemeURI -This tells our code where to load the core template from. This should be a relative path.
   As you have placed the HTML file in the root directory, you have placed the folder in that same directory (Hence the ThemeURI= "OdyAirSearch/"). If you have the HTML file in some other folder or if you change the path of that folder, please update the path appropriately for search form.
- In the OdyAirSearch folder, the name of css file is "default.css" so the value of SkinID= "default". If the user changes the name of the css file then it should be updated in the java script. The value of the skinID is also relative to search form folder.



2. At the bottom of the home page i.e. towards the end but inside the <body> tag of the home page html file, use the following java script

```
<script language="javascript" type="text/javascript">
    if (OFramework != null)
{
        OFramework.QSParams.Add("siid", "yoursiteitemid");
        OFramework.QSParams.Add("referrer", "testing query string add");
        oAForm =
        OFramework.AirSearchForm(document.getElementById("AirSearchForm"));
        oAForm.Target = "_new";
    }
</script>
```

#### The java script is divided into following steps

1. Initialize Odysseus Search Widget with your siteitemid and other configuration parameters

```
(OFramework.QSParams.Add("siid", "yoursiteitemid");
OFramework.QSParams.Add("referrer", "testing query string add");)
Example:-
OFramework.QSParams.Add("siid", "1");
OFramework.QSParams.Add("referrer", "Google")
```

2. Render search form into your page

```
(oAForm =
```

OFramework.AirSearchForm(document.getElementById("AirSearchForm")))

**Note:** Before rendering search form, you need to ensure that you set proper siid as mentioned in step 1 otherwise search widget would not get rendered.

3. Setup advanced properties like target etc.

```
(oAForm.Target = " new";)
```

To view the working sample of the OFramework Air Search Form: Click Here



#### Very important- Instructions for the above java script

 In the java script code shown below change yoursiteitemid with your valid siid (Siid is the Odysseus generated ID for each website/affiliate - unique per site and numeric), this change is mandatory

OFramework.QSParams.Add("siid", "yoursiteitemid");

2. The instruction for the code

### OFramework.QSParams.Add("referrer", "testing query string add");

This parameters in the above code needs to be updated with the referrer name and query string, when the search form is used in many websites, be sure to remove this or set the right value here, (For e.g.

OFramework.QSParams.Add("referrer", "GOOGLE"); where Google is the value you want us to track and save when the booking is completed. That is free form text with max value of 20. You can leave it blank if you like and this is optional.)

3. The instruction for the code

#### oAForm =

OFramework.AirSearchForm(document.getElementByld("AirSearchForm")); In the <body> tag of the home page html file where the search form needs to be placed, we have already created an ID so use that exact same ID in the java script above (E.g. here "AirSearchForm" ID which was configured above is used).

4. Use the code mentioned below if you would like the search results to be launched in a new tab of browser

oAForm.Target = "\_new";



# Advanced search form widget setup steps for Air Search Form

There are many other changes which can be done in the Air search form. The changes are as follows

- In the java script to be placed at the bottom of the <body> tag in the home page html file, following are the code changes which can be made to achieve specific purposes
  - a. **For language setup**, include the following code in the java script mentioned above

**OFramework.Culture = new OFramework.Globalization.CultureInfo("1");** -> 1 is for English

Languages supported and their values supported:

```
Language – ID -- Code

French (France) – 3 – fr

Spanish – 4 – es

Lithuanian – 5 – lt

Russian – 6 – ru

English (UK) – 7 – gb

Bulgarian (Bulgaria) – 8 – bg

Hebrew – 9 – he

German (Germany) – 10 – de

Italian – 11 – it

Portuguese (Portugal) – 12 – pt

Arabic (UAE) – 13 – ar

Chinese (Simplified) – 14 – chs

Japanese - 15 – ja
```

Example: if it's air search form then English version of this search form will be named as air\_search\_form.html and a separate Hebrew version of this search form will be named as "Air\_search\_form\_he.html" for the search form to be displayed in the desired language where "he" is the code for that particular language and it should be used in naming the Hebrew version of search form (Mandatory).

If you want to setup the Booking Engine to show Spanish - please set:

OFramework.Culture = new OFramework.Globalization.CultureInfo



("4"); ("4" → Spanish) in the java script mentioned above and the new search form created will be Air\_search\_form\_es.html

**Note:** this information should be placed in the HTML file *above* the line that loads the search form i.e. step 2 highlighted by <u>blue</u> color in the java script breakdown mentioned above.

b. For setting minimum departure date (Enable/Disable today/tomorrow searches. If you would like to disable clients from booking same day flights or ensure that they can only book flights 2 days from "today" - the day they do the search) in air search form, include the following code in the java script mentioned above

### OFramework.QSParams.Add("MinAirDepartureDate", "XX");

Please replace XX with a valid number. Accepted values are...

- 0 (same day not allowed)
- 1 (same day and the next day not allowed)
- 2 (same day and the next 2 days not allowed)
- ...and so on (There is no limit to it)

**Note:** all lines of code that have OFramework.QSParams should be placed in the HTML file *above* the line that loads the search form i.e. step 2 highlighted by blue color in the java script breakdown mentioned above.

c. For prepopulating the air search form with From and To city names of your choice: This feature allows you to pre-populate from & to cities on the search form, include the following code in the java script mentioned above For From City:

OFramework.QSParams.Add("fCity","Miami"); ("Miami" is used as an example)

For To City:

OFramework.QSParams.Add("tCity","Vadodara"); ("Vadodara" is used as an example)

**Note:** all lines of code that have OFramework.QSParams should be placed in the HTML file *above* the line that loads the search form i.e. step 2 highlighted by blue color in the java script breakdown mentioned above.

For From City:

oAForm.Set("From", OFramework.QSParams["fCity"]);



#### For To City:

### oAForm.Set("From", OFramework.QSParams["tCity"]);

**Note:** all lines of code that have oAForm.Set should be placed in the HTML file **below** the line that loads the search form i.e. step 2 highlighted by blue color in the java script breakdown mentioned above.

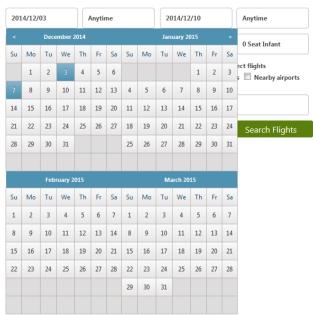
- There are some advance level setups which can be achieved by changing the below mentioned particular set of codes in the "air\_search\_form.html". The setups are as follows
  - a. For Changing the calender layout: In the air\_search\_form.html file, find the <OFramework:DateInput tag, then update the code with the calender layout of your choice with the appropriate calender layout options, The options are as shown

CalendarLayout="2|1" - this is the default value. This means, 2 columns, 1 row. The calendar by default will show current month plus 1 month on 1 row.

4|1 - this will show 4 months on 1 row.

2 | 2 - this will show 2 months on 2 rows, totally showing 4 months.

The mock up for 2 | 2 is as shown



Update the code in the air\_search\_form.html file as shown below For Round Trip search option:



<OFramework:DateInput id="FromDate" tabindex="3"</pre>

CalendarLayout="2|2"></OFramework:DateInput>

<OFramework:DateInput id="ReturnDate" tabindex="5"</p>

CalendarLayout="2|2"></OFramework:DateInput>

#### For Multicity search option:

<OFramework:DateInput id="FlyDate\_0" tabindex="3"
CalendarLayout="1|1"></OFramework:DateInput>

b. To add hint text as part of the search form: In the air\_search\_form.html file, find the following code:

<OFramework:Input id="From" datasource="Airports" itemTemplate="[id] name, country" listClass="airports" listWidth="250px" tabindex="1"></OFramework:Input>

Then add hint text as a part of above code as shown

<OFramework:Input id="From" datasource="Airports"
Departure City" itemTemplate="[id] name, country" listClass="airports"
listWidth="250px" tabindex="1"></OFramework:Input>



- Steps to setup auto login of agent user and redirect to the search results page.
  - a. Setup a login page at your server where the search form is loaded to capture the username and password.

**Note:** The username and password captured here should be the correct ones registered already with Odysseus.

b. In order to allow the agents to auto login and search directly through the search form loaded in your server, include the following code in the java script mentioned above

OFramework.QSParams.Add("p1", "USERNAME");

OFramework.QSParams.Add("p2", "PASSWORD");

**Reminder:** The USERNAME and PASSWORD should be the correct ones registered already with Odysseus and captured above through the login page.

**Note:** all lines of code that have OFramework.QSParams should be placed in the HTML file *above* the line that loads the search form i.e. step 2 highlighted by blue color in the java script breakdown mentioned above.

c. After the above code, Include the following code also in the java script mentioned above

oAForm.TargetURL = "https://demo64.odysol.com/admin/login.aspx"

**Note:** You will change demo64.odysol.com to the domain that is setup with Odysseus. Please be sure to use Https and not Http.

**Note:** all lines of code that have oAForm. Target should be placed in the HTML file *below* the line that loads the search form i.e. step 2 highlighted by blue color in the java script breakdown mentioned above.

For other changes refer the "Other Code Changes" section below



# **Other Code Changes**

The other changes that can be achieved by editing the "air search form" are as follows

 For the air search form, the journey type can be changed using "Container.ChangeSearchType()" method. The method can be found by looking for the following code in "Air\_search\_form"

Journey type can be changed to "RoundTrip", "OneWay", "MultiCity" through the above function.

**Note:** Here we have used anchor links for displaying search types. You can use radio buttons or other html elements to represent the search types.

**Container.ChangeSearchType** method will only change the search type and update the search form accordingly. In order to change the background color of links based on the current journey type selection we have used "**showhidemenu(this)**" method, it is not available in Odysseus search form widget and is only a new method to achieve the desired change and if any such changes are required then they can be achieved by defining such methods on the page where search widget is integrated and using them in the code above.



- 2. For the code that starts with <OFramework:Input tag (Sample: <OFramework:Input id="From" datasource="Airports" itemTemplate="[id] name, country" listClass="airports" listWidth="250px" tabindex="1"></OFramework:Input>), the instructions that are to be followed so that the changes can be achieved are as follows
  - a. Do not change "id" variable in any tags that appears in the code.
  - b. Do not change the *Alphabetic case* of any of the OFramework tags, attributes and their values. Let's say datasource="Airports", if you use "airports" instead of "Airports", it won't work.
  - c. Do not change "datasource" variable in any tags that appears in the code.
  - d. "listClass" is an additional class used to manage the css styling when the list of airports are popped up in the search form, it is optional.
  - e. "listWidth" is the value in which the admin can set the width of the particular input field in the search form, preset value is 250px.
  - f. "ItemTemplate" variable is used to set the format for the value of the input field which appears in the form of popup, the preset value is [id] name, country i.e. [MIA] Miami, US. It can be set in format of name [id], country or country name, [id] or any other combination.
  - g. "tab index" value is optional and can be set as per the choice of the admin(Tab Index is the order in which user can navigate to different input fields when tab key is pressed on keyboard)
- 3. For the code that starts with <OFramework:Dateinput (Sample:<OFramework:DateInput id="FromDate" tabindex="3" CalendarLayout="1|1"></OFramework:DateInput>), the instructions that are to be followed so that the changes can be achieved are as follows
  - a. Do not change "id" variable in any tags that appears in the code.
  - b. "tab index" value is optional and can be set as per the choice of the admin (Tab Index is the order in which user can navigate to different input fields when tab key is pressed on keyboard).
  - c. The value of "CalendarLayout" is "1/1" by default and can be set as per the choice of the admin. Please refer Calender layout setup change above.
- 4. For the code that starts with <OFramework:Dropdownlist (Sample: <OFramework:DropdownList id="FromTime" listWidth="130px" listClass="othercombo" tabindex="4">), the instructions that are to be followed so that the changes can be achieved are as follows
  - a. Do not change "id" variable in any tags that appears in the code.



- b. "tab index" value is optional and can be set as per the choice of the admin (Tab Index is the order in which user can navigate to different input fields when tab key is pressed on keyboard)
- c. "listWidth" is the value in which the admin can set the width of the particular dropdown list in the search form, preset value is 130px.
- d. "listClass" is an additional class used to manage the css styling when the list of airports are popped up in the search form, It is optional.
- e. The name of the item inside the dropdown list can be changed by changing the highlighted option as shown
  - <item id="mo" name="Morning"></item>
- 5. For the multicity option, the segment for the multicity can be added or removed using the following **Container. AddSegment()** method, The limit for adding new segments under the multicity option is 6.

