Handset Detection

Quick Start Guide

Use this guide to be up and
running in minutes !

Last Update – January 7th 2010

Introduction

This document is designed to get you up and running fast with Handset Detection !

If you have any problems, issues, questions or concerns, at any time, drop an email to hello@handsetdetection.com and we'll get back to you as soon as we can.

Overview

The quick start guide is split into 3 parts.

Part 1 covers the standard uses of handset detection for *Mobile Website Redirection*. This is applicable to anyone who wants mobile phones redirected from their normal website, to their mobile website.

No technical knowledge is required however you will need a text editor (like notepad, textmate or some such) and need to know the ftp details for your website. Your website will also need to run PHP.

Part 2 introduces the API functions. This is more applicable to a technical audience such as PHP, .NET, Python or Java developers.

Part 3 outlines the most common frequently asked questions. As always check the website for up to date FAQ's as well.

Lets get Started!

1 - Mobile Website Redirection

Setting up *Mobile Website Redirection* has never been easier. In this section we will walk you through the steps needed to get up and running fast !

If you've completed any of these steps previously then thats fine, you can skip ahead to the next step.

1.1) Sign Up to Handset Detection (Its Free)

1.2) Download an API Kit and Configure the API Kit with your details

1.3) Upload and Test the API Kit

1.4) Setup Mobile Website Redirection on your home page

1.1 Sign Up

Handset Detection sign up works as follows :-

- Enter your details into the sign up form

- You will receive an activation email

- Click the link in the activation email to activate your account

- Login to Handset Detection with your email address and password

Now, lets step through that.

Type 'http://www.handsetdetection.com' into your browser's address box
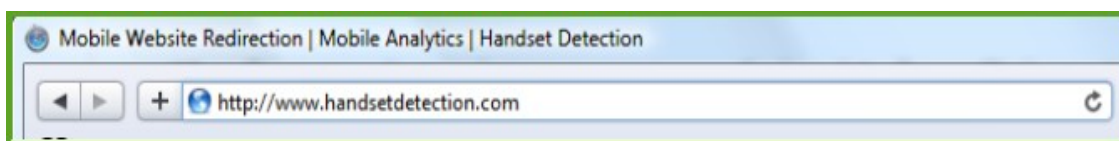
Click **SIGN UP** from the homepage.

Compete the registration form and click *I AGREE, SIGN UP*

Sign Up

Email Address

demo@handsetdetection.com

First Name

Demo

Last Name

D

Password

••••••

Forum Name

123456

What two words do you see below ?

Meh Paprika

Meh Paprika

Newsletter

☐ (Every month or so)

I agree to the terms and conditions

Click

I AGREE, SIGN UP

Thanks for signin
will never sell you
spam you, ever
completely optio
Finally, to keep
our blog and foru

If you have any
email .

If your sign up is successful you will see an account activation page, otherwise please check the information and try again.
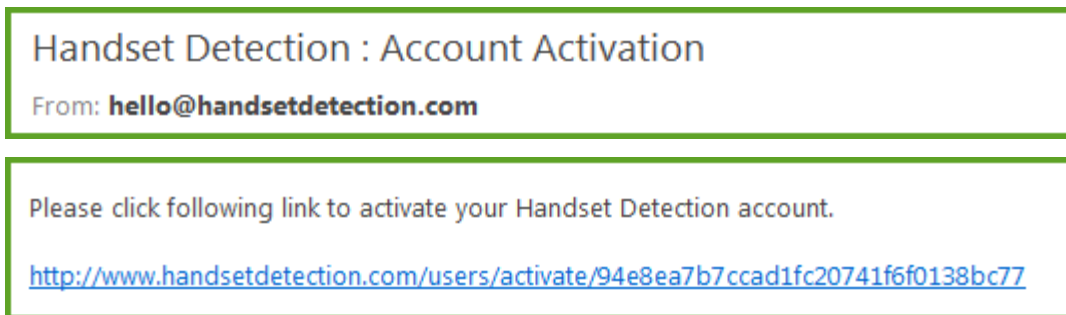
Account Activation

Thanks for signing up :)

Activation emails are sent immediately, so you should receive an activation email straight away. Note : You may have to check your **junk mail or spam folder**, sometimes activation emails end up there.

If you do not receive an activation email let us know and we'll manually activate your account (hello@handsetdetection.com).

Once you receive the activation email in your inbox click the activation link to activate your account.

Handset Detection : Account Activation

From: **hello@handsetdetection.com**

Please click following link to activate your Handset Detection account.

http://www.handsetdetection.com/users/activate/94e8ea7b7ccad1fc20741f6f0138bc77

You will then be redirected to the login page where you can login with your email address and password.

Login

Email

demo@handsetdetection.com

Password

• • • • • •

Remember Me

Click

LOG IN

Forgot Password

If your details are correct and you login successfully then you will be taken to your **Account Summary** page.

Great ! You're all done with Step 1 ! You are now signed up and ready to go.

NOTE : Keep this page open, you'll need some of the details from this page in the next step (**email** and **secret**).

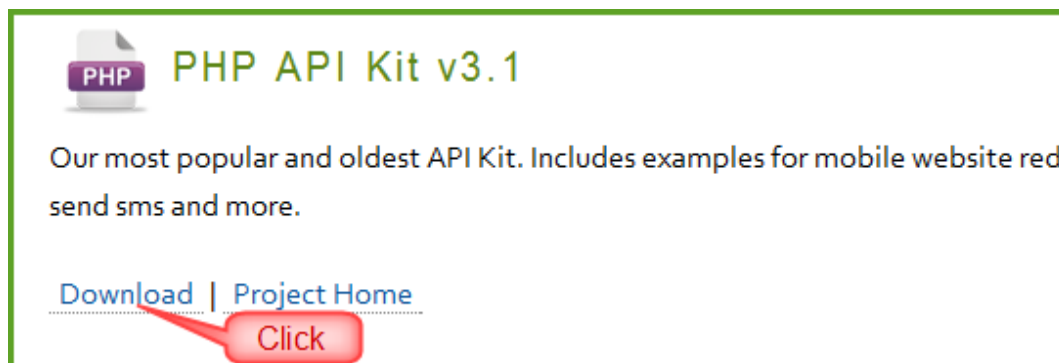In Step 2 we will download an API Kit and configure it with your details.

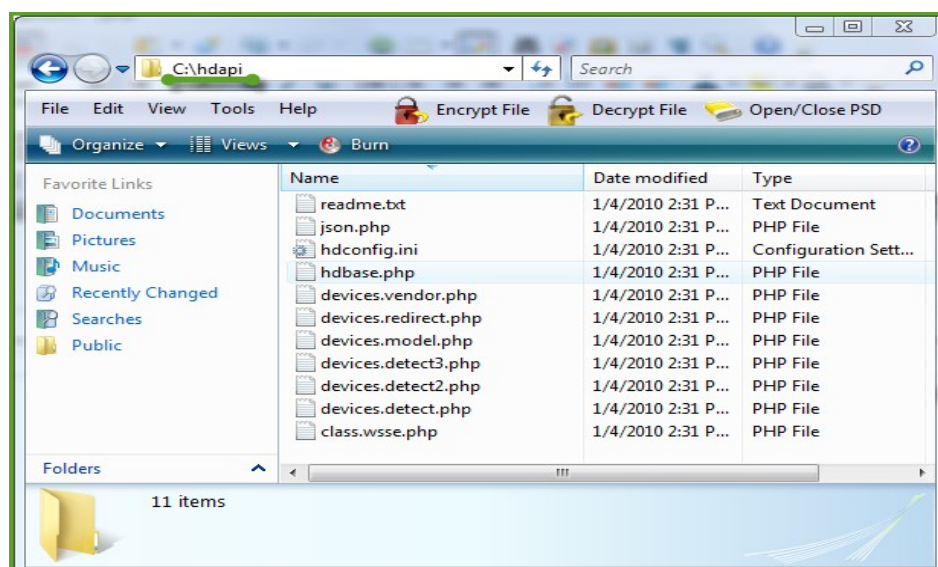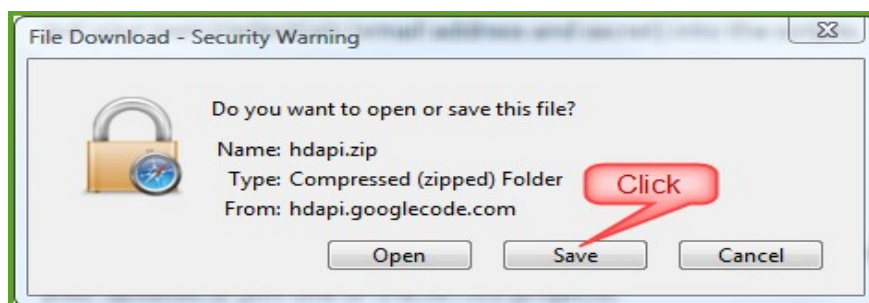## 1.2 Download an API Kit and configure with your details.

From the Handset Detection Homepage click **Resources** from the Main Navigation.

From the sub navigation on the left hand side click **API Kits** then scroll down there page a little until you see the desired API Kit, there's a few to choose from.

Download the API Kit and uncompress it.

Open the hdconfig.ini file with a text editor such as notepad and replace the demo details with your details. Your connection details can be found from the **Get Connected** or the **Configuration Details** sections on your Account Summary page.

The Account Summary page is the page you get right after **Login**.

Get Connected

If you're using a new style (API Version 2.0) plugin you need your email addres working. Change your secret here .

Email	demo@handsetdetection.com
Secret	---- show/hide

Get Connected

If you're using a new style (API Version 2.0) plugin you need your email addres working. Change your secret here .

Email	demo@handsetdetection.com
Secret	---- show/hide Click

Get Connected

If you're using a new style (API Version 2.0) plugin you need your email addres working. Change your secret here .

Email	demo@handsetdetection.com
Secret	demo show/hide

Replace the demo email and secret details with your details.

Great Job!

While we're here place your mobile website URL in the mobile_site configuration option. Make sure to include the **http://** at the start.

All done! Save the file and close your text editor.

In the next step we will upload the hdapi directory to your web server and perform testing to make sure everything is working properly.

1.3) *Upload and Test the API Kit*

FTP the hdapi directory to your web server root (The directory and all the files in that directory) so that on your web server there is a hdapi directory with all these files in there.

Browse to
http://www.YOURDOMAIN.com/hdapi/devices.redirect.php

If you get a white page with a normal web browser then everything is working properly.

Now, try the same URL from a mobile phone (I know its kind long and inconvenient, we're just testing here to make sure everything is OK) and you should be redirected to your mobile website.
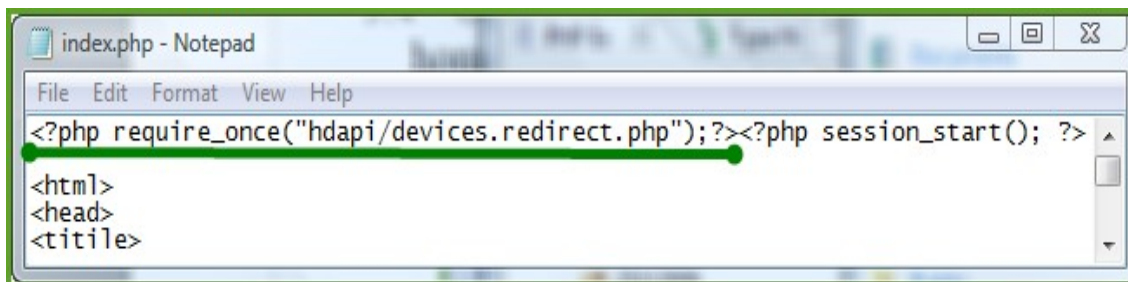
All Good ? Then onto the final step.

1.4) Setup Mobile Website Redirection on your home page

Open your index.php file with a text editor. (see Below if you have an index.html or some other .html file as your main homepage).

Insert the redirect line as below as the first line in your index.php page.

Save the file and upload to your web server.

All done! You're now up and running with Handset Detection.

We hope you enjoy the service and please, *Tell all your friends about us :-)*

.html index pages

Handset Detection requires that you have PHP on your server.

Its possible that you have PHP on your server but your main index file is index.html and seeing as all the other pages on your site refer to this page as index.html then its not a simple task to just change it to index.php

So here's a work around.

Create a .htaccess file in your webserver root directory.

The .htaccess file tells your webserver to handle html files as if the were PHP files. Its a little sleight of hand that we can use to get up and running.

There's one line in the .htaccess file that begins with AddType. Here's the line.

AddType application/x-httpd-php .phtml .pwml .php3 .php4 .php .php2 .inc .html

Thats it and you're done. Give it a try and let us know how you get on.

NOTE : Some ISPs/Hosting companies do not allow the AddType directive in .htaccess files but will change it on request, so It may require a chat to their tech support to get that added.
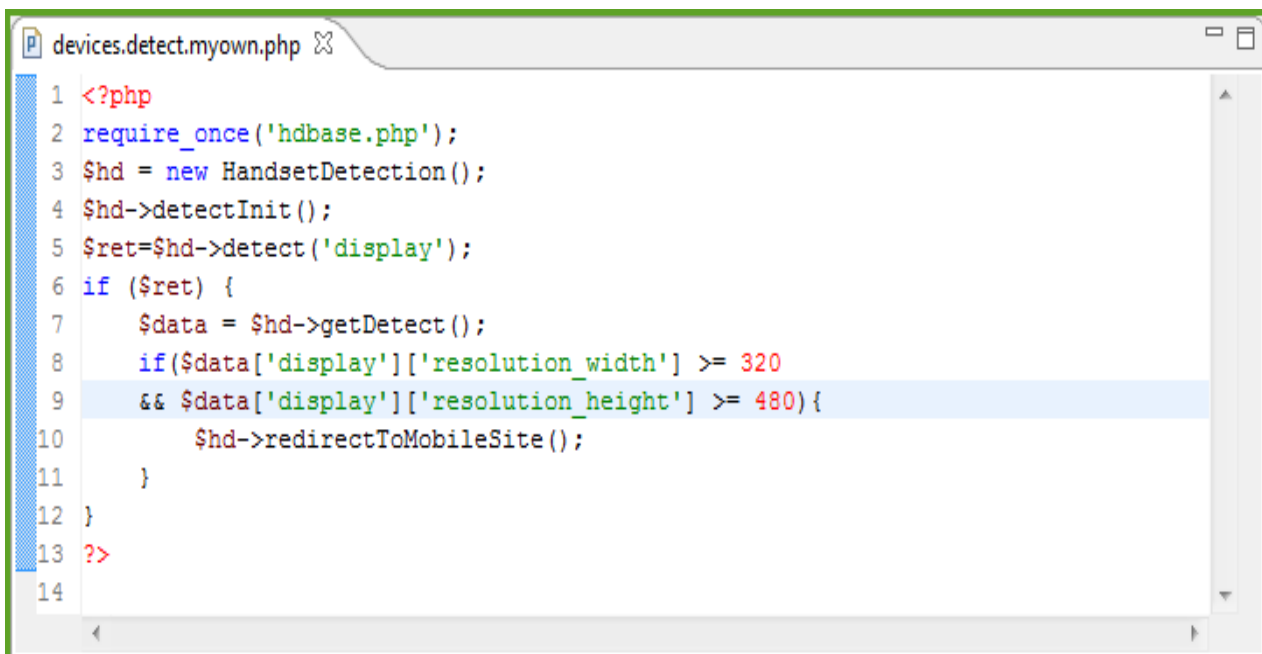
API Functions

This section is targeted at developers, programmers and people with technical proficiency. You'll probably know if thats you.

The API Kits provide a place to start, but where you take them is up to you. Customize them to your hearts content! Want to detect screen sizes, do click to call or ensure you're sending the right streaming media to a phone, no problem.

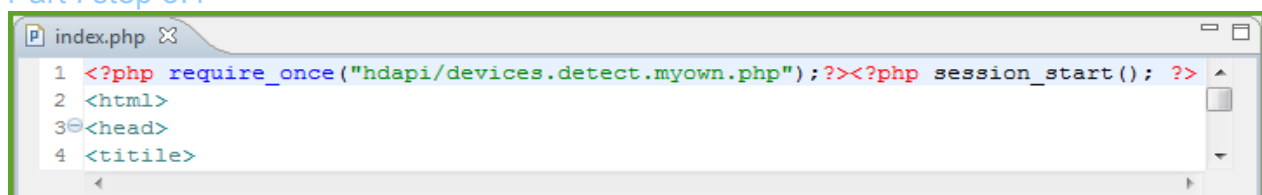The APIKits contain a number of example functions so you can hit the ground running.

Example 1: Redirect to a mobile website when the visitor is using mobile and the mobile screen size is larger than 320 X 480

Write your own script file named 'devices.detect.myown.php' and save it under the folder 'hdapi' on your web server. Like this:

```php
devices.detect.myown.php
1  <?php
2  require_once('hdbase.php');
3  $hd = new HandsetDetection();
4  $hd->detectInit();
5  $ret=$hd->detect('display');
6  if ($ret) {
7      $data = $hd->getDetect();
8      if($data['display']['resolution_width'] >= 320
9      && $data['display']['resolution_height'] >= 480){
10         $hd->redirectToMobileSite();
11     }
12 }
13 ?>
14
```

Now you can utilize your script 'devices.detect.myown.php' on your website, Details seen in Part I step 3.4

```php
index.php
1  <?php require_once("hdapi/devices.detect.myown.php");?><?php session_start(); ?>
2  <html>
3  <head>
4  <title>
```

Example 2: to redirect to a mobile website when the visitor is using a iPhone

```php
devices.detect.myown.php ⌧
1  <?php
2  require_once('hdbase.php');
3  $hd = new HandsetDetection();
4  $hd->detectInit();
5  $ret=$hd->detect('product_info');
6  if ($ret) {
7      $data = $hd->getDetect();
8      if($data['product_info']['model_name'] == 'iPhone'){
9          $hd->redirectToMobileSite();
10      }
11  }
12  ?>
13
```
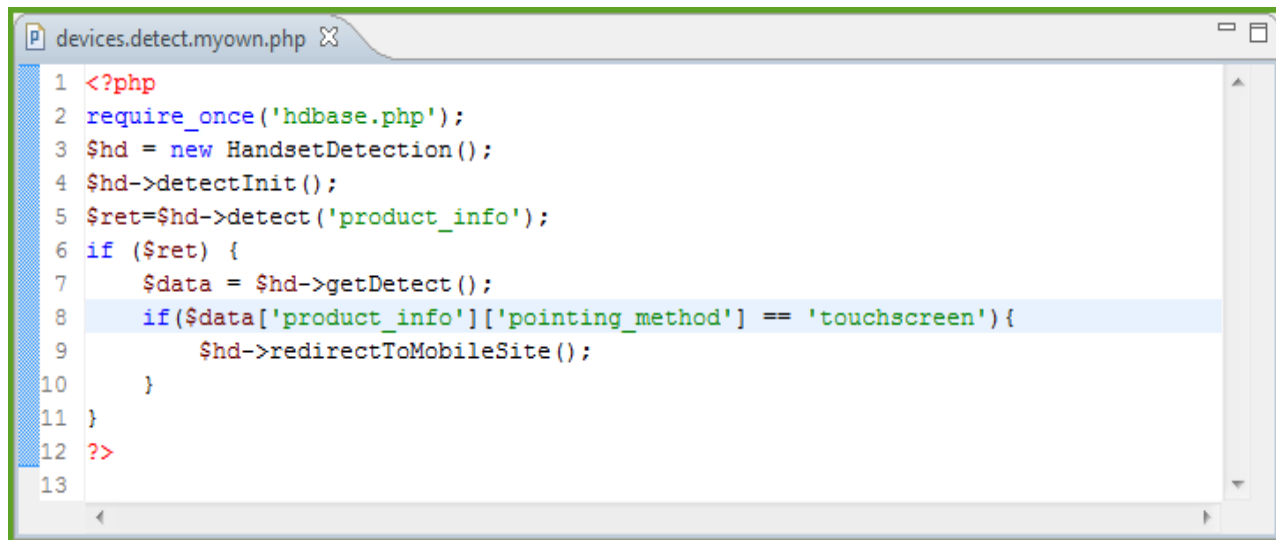
Example 3: Redirect to a mobile website when the visitor is using a mobile and the mobile operating system is 'Symbian'

```php
devices.detect.myown.php ⌧
1  <?php
2  require_once('hdbase.php');
3  $hd = new HandsetDetection();
4  $hd->detectInit();
5  $ret=$hd->detect('product_info');
6  if ($ret) {
7      $data = $hd->getDetect();
8      if($data['product_info']['device_os'] == 'Symbian OS'){
9          $hd->redirectToMobileSite();
10      }
11  }
12  ?>
13
```

Example 4: Redirect to a mobile website when the visitor is using a mobile and the mobile supports touchscreen

```php
1  <?php
2  require_once('hdbase.php');
3  $hd = new HandsetDetection();
4  $hd->detectInit();
5  $ret=$hd->detect('product_info');
6  if ($ret) {
7      $data = $hd->getDetect();
8      if($data['product_info']['pointing_method'] == 'touchscreen'){
9          $hd->redirectToMobileSite();
10     }
11 }
12 ?>
13
```

Example 5: to redirect to a mobile website when the visitor is using a mobile and the mobile is a 'smartphone'

Although there is no industry definition of a 'smartphone', we can make some assumptions about the quality of a device by its xhtml support level. Here we check the element ['markup'] ['xhtml_support_level'], if it equals to 3 or 4, it probably is a smartphone which supports email, Internet and runs complete operating system software.

```php
1  <?php
2  require_once('hdbase.php');
3  $hd = new HandsetDetection();
4  $hd->detectInit();
5  $ret=$hd->detect('markup');
6  if ($ret) {
7      $data = $hd->getDetect();
8      if($data['markup']['xhtml_support_level'] == 3
9      || $data['markup']['xhtml_support_level'] == 4){
10         $hd->redirectToMobileSite();
11     }
12 }
13 ?>
14
```

You can find a full list of all device properties at

http://www.handsetdetection.com/resources/api-capabilities

FAQ

Up to date FAQ information is best found at the website, however we're included some of the most frequent FAQ questions here for your convenience. :-)

http://www.handsetdetection.com/faq

Q: I implemented Handset Detection PHP API service to my website, the first time I opened my homepage using iPhone, it redirected to my mobile version, but then any time I reload the homepage, it always redirects to the mobile version site. What's wrong?

A: Check the homepage file please, make sure that the '*<? require_once "***.php" ?>*' must be on the first line

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Q: I am a PHP developer, when I opened my website using a mobile, it didn't redirect to the URL set in INI file. I double-checked the INI file, the settings are all correct, username, secret, URL, apikey.

A: In the current version(v2), the Handset Detection API does not need the apikey, if you set the apikey in your INI file, it will be considered as v2 apikey. If you pass in v1 apikey, it returns error code, it does not redirect to your URL. In this case, just remove the apikey setting line in your INI file. (Note : Due to the confusion between v1 apikeys and v2 apikeys, v2 apikeys have been renamed software_tokens.).

For more information please visit our website at http://www.handsetdetection.com