* [Welcome to CodeIgniter](http://docs.google.com/general/welcome.html)
* [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Downloading CodeIgniter](http://docs.google.com/installation/downloads.html)
  + [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Upgrading From a Previous Version](http://docs.google.com/installation/upgrading.html)
  + [Troubleshooting](http://docs.google.com/installation/troubleshooting.html)
* [CodeIgniter Overview](http://docs.google.com/overview/index.html)
  + [Getting Started](http://docs.google.com/overview/getting_started.html)
  + [CodeIgniter at a Glance](http://docs.google.com/overview/at_a_glance.html)
  + [Supported Features](http://docs.google.com/overview/features.html)
  + [Application Flow Chart](http://docs.google.com/overview/appflow.html)
  + [Model-View-Controller](http://docs.google.com/overview/mvc.html)
  + [Architectural Goals](http://docs.google.com/overview/goals.html)
* [Tutorial](http://docs.google.com/tutorial/index.html)
  + [Static pages](http://docs.google.com/tutorial/static_pages.html)
  + [News section](http://docs.google.com/tutorial/news_section.html)
  + [Create news items](http://docs.google.com/tutorial/create_news_items.html)
  + [Conclusion](http://docs.google.com/tutorial/conclusion.html)
* [Contributing to CodeIgniter](http://docs.google.com/contributing/index.html)
  + [Writing CodeIgniter Documentation](http://docs.google.com/documentation/index.html)
  + [Developer’s Certificate of Origin 1.1](http://docs.google.com/DCO.html)
* [General Topics](http://docs.google.com/general/index.html)
  + [CodeIgniter URLs](http://docs.google.com/general/urls.html)
  + [Controllers](http://docs.google.com/general/controllers.html)
  + [Reserved Names](http://docs.google.com/general/reserved_names.html)
  + [Views](http://docs.google.com/general/views.html)
  + [Models](http://docs.google.com/general/models.html)
  + [Helpers](http://docs.google.com/general/helpers.html)
  + [Using CodeIgniter Libraries](http://docs.google.com/general/libraries.html)
  + [Creating Libraries](http://docs.google.com/general/creating_libraries.html)
  + [Using CodeIgniter Drivers](http://docs.google.com/general/drivers.html)
  + [Creating Drivers](http://docs.google.com/general/creating_drivers.html)
  + [Creating Core System Classes](http://docs.google.com/general/core_classes.html)
  + [Creating Ancillary Classes](http://docs.google.com/general/ancillary_classes.html)
  + [Hooks - Extending the Framework Core](http://docs.google.com/general/hooks.html)
  + [Auto-loading Resources](http://docs.google.com/general/autoloader.html)
  + [Common Functions](http://docs.google.com/general/common_functions.html)
  + [Compatibility Functions](http://docs.google.com/general/compatibility_functions.html)
  + [URI Routing](http://docs.google.com/general/routing.html)
  + [Error Handling](http://docs.google.com/general/errors.html)
  + [Caching](http://docs.google.com/general/caching.html)
  + [Profiling Your Application](http://docs.google.com/general/profiling.html)
  + [Running via the CLI](http://docs.google.com/general/cli.html)
  + [Managing your Applications](http://docs.google.com/general/managing_apps.html)
  + [Handling Multiple Environments](http://docs.google.com/general/environments.html)
  + [Alternate PHP Syntax for View Files](http://docs.google.com/general/alternative_php.html)
  + [Security](http://docs.google.com/general/security.html)
  + [PHP Style Guide](http://docs.google.com/general/styleguide.html)
* [Libraries](http://docs.google.com/index.html)
  + [Benchmarking Class](http://docs.google.com/benchmark.html)
  + [Caching Driver](http://docs.google.com/caching.html)
  + [Calendaring Class](http://docs.google.com/calendar.html)
  + [Shopping Cart Class](http://docs.google.com/cart.html)
  + [Config Class](http://docs.google.com/config.html)
  + [Email Class](http://docs.google.com/email.html)
  + [Encrypt Class](http://docs.google.com/encrypt.html)
  + [Encryption Library](http://docs.google.com/encryption.html)
  + [File Uploading Class](http://docs.google.com/file_uploading.html)
  + [Form Validation](http://docs.google.com/form_validation.html)
  + [FTP Class](http://docs.google.com/ftp.html)
  + [Image Manipulation Class](http://docs.google.com/image_lib.html)
  + [Input Class](http://docs.google.com/input.html)
  + [Javascript Class](http://docs.google.com/javascript.html)
  + [Language Class](http://docs.google.com/language.html)
  + [Loader Class](http://docs.google.com/loader.html)
  + [Migrations Class](http://docs.google.com/migration.html)
  + [Output Class](http://docs.google.com/output.html)
  + [Pagination Class](http://docs.google.com/pagination.html)
  + [Template Parser Class](http://docs.google.com/parser.html)
  + [Security Class](http://docs.google.com/security.html)
  + [Session Library](http://docs.google.com/sessions.html)
  + [HTML Table Class](http://docs.google.com/table.html)
  + [Trackback Class](http://docs.google.com/trackback.html)
  + [Typography Class](http://docs.google.com/typography.html)
  + [Unit Testing Class](http://docs.google.com/unit_testing.html)
  + [URI Class](http://docs.google.com/uri.html)
  + User Agent Class
  + [XML-RPC and XML-RPC Server Classes](http://docs.google.com/xmlrpc.html)
  + [Zip Encoding Class](http://docs.google.com/zip.html)
* [Database Reference](http://docs.google.com/database/index.html)
  + [Quick Start: Usage Examples](http://docs.google.com/database/examples.html)
  + [Database Configuration](http://docs.google.com/database/configuration.html)
  + [Connecting to a Database](http://docs.google.com/database/connecting.html)
  + [Running Queries](http://docs.google.com/database/queries.html)
  + [Generating Query Results](http://docs.google.com/database/results.html)
  + [Query Helper Functions](http://docs.google.com/database/helpers.html)
  + [Query Builder Class](http://docs.google.com/database/query_builder.html)
  + [Transactions](http://docs.google.com/database/transactions.html)
  + [Getting MetaData](http://docs.google.com/database/metadata.html)
  + [Custom Function Calls](http://docs.google.com/database/call_function.html)
  + [Query Caching](http://docs.google.com/database/caching.html)
  + [Database Manipulation with Database Forge](http://docs.google.com/database/forge.html)
  + [Database Utilities Class](http://docs.google.com/database/utilities.html)
  + [Database Driver Reference](http://docs.google.com/database/db_driver_reference.html)
* [Helpers](http://docs.google.com/helpers/index.html)
  + [Array Helper](http://docs.google.com/helpers/array_helper.html)
  + [CAPTCHA Helper](http://docs.google.com/helpers/captcha_helper.html)
  + [Cookie Helper](http://docs.google.com/helpers/cookie_helper.html)
  + [Date Helper](http://docs.google.com/helpers/date_helper.html)
  + [Directory Helper](http://docs.google.com/helpers/directory_helper.html)
  + [Download Helper](http://docs.google.com/helpers/download_helper.html)
  + [Email Helper](http://docs.google.com/helpers/email_helper.html)
  + [File Helper](http://docs.google.com/helpers/file_helper.html)
  + [Form Helper](http://docs.google.com/helpers/form_helper.html)
  + [HTML Helper](http://docs.google.com/helpers/html_helper.html)
  + [Inflector Helper](http://docs.google.com/helpers/inflector_helper.html)
  + [Language Helper](http://docs.google.com/helpers/language_helper.html)
  + [Number Helper](http://docs.google.com/helpers/number_helper.html)
  + [Path Helper](http://docs.google.com/helpers/path_helper.html)
  + [Security Helper](http://docs.google.com/helpers/security_helper.html)
  + [Smiley Helper](http://docs.google.com/helpers/smiley_helper.html)
  + [String Helper](http://docs.google.com/helpers/string_helper.html)
  + [Text Helper](http://docs.google.com/helpers/text_helper.html)
  + [Typography Helper](http://docs.google.com/helpers/typography_helper.html)
  + [URL Helper](http://docs.google.com/helpers/url_helper.html)
  + [XML Helper](http://docs.google.com/helpers/xml_helper.html)

Toggle Table of Contents

[CodeIgniter](http://docs.google.com/index.html)

* [Welcome to CodeIgniter](http://docs.google.com/general/welcome.html)
* [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Downloading CodeIgniter](http://docs.google.com/installation/downloads.html)
  + [Installation Instructions](http://docs.google.com/installation/index.html)
  + [Upgrading From a Previous Version](http://docs.google.com/installation/upgrading.html)
  + [Troubleshooting](http://docs.google.com/installation/troubleshooting.html)
* [CodeIgniter Overview](http://docs.google.com/overview/index.html)
  + [Getting Started](http://docs.google.com/overview/getting_started.html)
  + [CodeIgniter at a Glance](http://docs.google.com/overview/at_a_glance.html)
  + [Supported Features](http://docs.google.com/overview/features.html)
  + [Application Flow Chart](http://docs.google.com/overview/appflow.html)
  + [Model-View-Controller](http://docs.google.com/overview/mvc.html)
  + [Architectural Goals](http://docs.google.com/overview/goals.html)
* [Tutorial](http://docs.google.com/tutorial/index.html)
  + [Static pages](http://docs.google.com/tutorial/static_pages.html)
  + [News section](http://docs.google.com/tutorial/news_section.html)
  + [Create news items](http://docs.google.com/tutorial/create_news_items.html)
  + [Conclusion](http://docs.google.com/tutorial/conclusion.html)
* [Contributing to CodeIgniter](http://docs.google.com/contributing/index.html)
  + [Writing CodeIgniter Documentation](http://docs.google.com/documentation/index.html)
  + [Developer’s Certificate of Origin 1.1](http://docs.google.com/DCO.html)
* [General Topics](http://docs.google.com/general/index.html)
  + [CodeIgniter URLs](http://docs.google.com/general/urls.html)
  + [Controllers](http://docs.google.com/general/controllers.html)
  + [Reserved Names](http://docs.google.com/general/reserved_names.html)
  + [Views](http://docs.google.com/general/views.html)
  + [Models](http://docs.google.com/general/models.html)
  + [Helpers](http://docs.google.com/general/helpers.html)
  + [Using CodeIgniter Libraries](http://docs.google.com/general/libraries.html)
  + [Creating Libraries](http://docs.google.com/general/creating_libraries.html)
  + [Using CodeIgniter Drivers](http://docs.google.com/general/drivers.html)
  + [Creating Drivers](http://docs.google.com/general/creating_drivers.html)
  + [Creating Core System Classes](http://docs.google.com/general/core_classes.html)
  + [Creating Ancillary Classes](http://docs.google.com/general/ancillary_classes.html)
  + [Hooks - Extending the Framework Core](http://docs.google.com/general/hooks.html)
  + [Auto-loading Resources](http://docs.google.com/general/autoloader.html)
  + [Common Functions](http://docs.google.com/general/common_functions.html)
  + [Compatibility Functions](http://docs.google.com/general/compatibility_functions.html)
  + [URI Routing](http://docs.google.com/general/routing.html)
  + [Error Handling](http://docs.google.com/general/errors.html)
  + [Caching](http://docs.google.com/general/caching.html)
  + [Profiling Your Application](http://docs.google.com/general/profiling.html)
  + [Running via the CLI](http://docs.google.com/general/cli.html)
  + [Managing your Applications](http://docs.google.com/general/managing_apps.html)
  + [Handling Multiple Environments](http://docs.google.com/general/environments.html)
  + [Alternate PHP Syntax for View Files](http://docs.google.com/general/alternative_php.html)
  + [Security](http://docs.google.com/general/security.html)
  + [PHP Style Guide](http://docs.google.com/general/styleguide.html)
* [Libraries](http://docs.google.com/index.html)
  + [Benchmarking Class](http://docs.google.com/benchmark.html)
  + [Caching Driver](http://docs.google.com/caching.html)
  + [Calendaring Class](http://docs.google.com/calendar.html)
  + [Shopping Cart Class](http://docs.google.com/cart.html)
  + [Config Class](http://docs.google.com/config.html)
  + [Email Class](http://docs.google.com/email.html)
  + [Encrypt Class](http://docs.google.com/encrypt.html)
  + [Encryption Library](http://docs.google.com/encryption.html)
  + [File Uploading Class](http://docs.google.com/file_uploading.html)
  + [Form Validation](http://docs.google.com/form_validation.html)
  + [FTP Class](http://docs.google.com/ftp.html)
  + [Image Manipulation Class](http://docs.google.com/image_lib.html)
  + [Input Class](http://docs.google.com/input.html)
  + [Javascript Class](http://docs.google.com/javascript.html)
  + [Language Class](http://docs.google.com/language.html)
  + [Loader Class](http://docs.google.com/loader.html)
  + [Migrations Class](http://docs.google.com/migration.html)
  + [Output Class](http://docs.google.com/output.html)
  + [Pagination Class](http://docs.google.com/pagination.html)
  + [Template Parser Class](http://docs.google.com/parser.html)
  + [Security Class](http://docs.google.com/security.html)
  + [Session Library](http://docs.google.com/sessions.html)
  + [HTML Table Class](http://docs.google.com/table.html)
  + [Trackback Class](http://docs.google.com/trackback.html)
  + [Typography Class](http://docs.google.com/typography.html)
  + [Unit Testing Class](http://docs.google.com/unit_testing.html)
  + [URI Class](http://docs.google.com/uri.html)
  + User Agent Class
  + [XML-RPC and XML-RPC Server Classes](http://docs.google.com/xmlrpc.html)
  + [Zip Encoding Class](http://docs.google.com/zip.html)
* [Database Reference](http://docs.google.com/database/index.html)
  + [Quick Start: Usage Examples](http://docs.google.com/database/examples.html)
  + [Database Configuration](http://docs.google.com/database/configuration.html)
  + [Connecting to a Database](http://docs.google.com/database/connecting.html)
  + [Running Queries](http://docs.google.com/database/queries.html)
  + [Generating Query Results](http://docs.google.com/database/results.html)
  + [Query Helper Functions](http://docs.google.com/database/helpers.html)
  + [Query Builder Class](http://docs.google.com/database/query_builder.html)
  + [Transactions](http://docs.google.com/database/transactions.html)
  + [Getting MetaData](http://docs.google.com/database/metadata.html)
  + [Custom Function Calls](http://docs.google.com/database/call_function.html)
  + [Query Caching](http://docs.google.com/database/caching.html)
  + [Database Manipulation with Database Forge](http://docs.google.com/database/forge.html)
  + [Database Utilities Class](http://docs.google.com/database/utilities.html)
  + [Database Driver Reference](http://docs.google.com/database/db_driver_reference.html)
* [Helpers](http://docs.google.com/helpers/index.html)
  + [Array Helper](http://docs.google.com/helpers/array_helper.html)
  + [CAPTCHA Helper](http://docs.google.com/helpers/captcha_helper.html)
  + [Cookie Helper](http://docs.google.com/helpers/cookie_helper.html)
  + [Date Helper](http://docs.google.com/helpers/date_helper.html)
  + [Directory Helper](http://docs.google.com/helpers/directory_helper.html)
  + [Download Helper](http://docs.google.com/helpers/download_helper.html)
  + [Email Helper](http://docs.google.com/helpers/email_helper.html)
  + [File Helper](http://docs.google.com/helpers/file_helper.html)
  + [Form Helper](http://docs.google.com/helpers/form_helper.html)
  + [HTML Helper](http://docs.google.com/helpers/html_helper.html)
  + [Inflector Helper](http://docs.google.com/helpers/inflector_helper.html)
  + [Language Helper](http://docs.google.com/helpers/language_helper.html)
  + [Number Helper](http://docs.google.com/helpers/number_helper.html)
  + [Path Helper](http://docs.google.com/helpers/path_helper.html)
  + [Security Helper](http://docs.google.com/helpers/security_helper.html)
  + [Smiley Helper](http://docs.google.com/helpers/smiley_helper.html)
  + [String Helper](http://docs.google.com/helpers/string_helper.html)
  + [Text Helper](http://docs.google.com/helpers/text_helper.html)
  + [Typography Helper](http://docs.google.com/helpers/typography_helper.html)
  + [URL Helper](http://docs.google.com/helpers/url_helper.html)
  + [XML Helper](http://docs.google.com/helpers/xml_helper.html)

[CodeIgniter](http://docs.google.com/index.html)

* [Docs](http://docs.google.com/index.html) »
* [Libraries](http://docs.google.com/index.html) »
* User Agent Class

classic layout

User Agent Class[**¶**](#gjdgxs)

The User Agent Class provides functions that help identify information about the browser, mobile device, or robot visiting your site. In addition you can get referrer information as well as language and supported character-set information.

* [Using the User Agent Class](#30j0zll)
  + [Initializing the Class](#1fob9te)
  + [User Agent Definitions](#3znysh7)
  + [Example](#2et92p0)
* [Class Reference](#tyjcwt)

[**Using the User Agent Class**](#3dy6vkm)[**¶**](#30j0zll)

[**Initializing the Class**](#1t3h5sf)[**¶**](#1fob9te)

Like most other classes in CodeIgniter, the User Agent class is initialized in your controller using the $this->load->library function:

$this->load->library('user\_agent');

Once loaded, the object will be available using: $this->agent

[**User Agent Definitions**](#4d34og8)[**¶**](#3znysh7)

The user agent name definitions are located in a config file located at: application/config/user\_agents.php. You may add items to the various user agent arrays if needed.

[**Example**](#2s8eyo1)[**¶**](#2et92p0)

When the User Agent class is initialized it will attempt to determine whether the user agent browsing your site is a web browser, a mobile device, or a robot. It will also gather the platform information if it is available.

$this->load->library('user\_agent');  
  
if ($this->agent->is\_browser())  
{  
 $agent = $this->agent->browser().' '.$this->agent->version();  
}  
elseif ($this->agent->is\_robot())  
{  
 $agent = $this->agent->robot();  
}  
elseif ($this->agent->is\_mobile())  
{  
 $agent = $this->agent->mobile();  
}  
else  
{  
 $agent = 'Unidentified User Agent';  
}  
  
echo $agent;  
  
echo $this->agent->platform(); // Platform info (Windows, Linux, Mac, etc.)

[**Class Reference**](#17dp8vu)[**¶**](#tyjcwt)

*class* CI\_User\_agent[¶](#3rdcrjn) is\_browser([*$key = NULL*])[¶](#26in1rg)

| Parameters: | * **$key** (*string*) – Optional browser name |
| --- | --- |
| Returns: | TRUE if the user agent is a (specified) browser, FALSE if not |
| Return type: | bool |

Returns TRUE/FALSE (boolean) if the user agent is a known web browser.

if ($this->agent->is\_browser('Safari'))  
{  
 echo 'You are using Safari.';  
}  
elseif ($this->agent->is\_browser())  
{  
 echo 'You are using a browser.';  
}

Note

The string “Safari” in this example is an array key in the list of browser definitions. You can find this list in **application/config/user\_agents.php** if you want to add new browsers or change the stings.

is\_mobile([*$key = NULL*])[¶](#lnxbz9)

| Parameters: | * **$key** (*string*) – Optional mobile device name |
| --- | --- |
| Returns: | TRUE if the user agent is a (specified) mobile device, FALSE if not |
| Return type: | bool |

Returns TRUE/FALSE (boolean) if the user agent is a known mobile device.

if ($this->agent->is\_mobile('iphone'))  
{  
 $this->load->view('iphone/home');  
}  
elseif ($this->agent->is\_mobile())  
{  
 $this->load->view('mobile/home');  
}  
else  
{  
 $this->load->view('web/home');  
}

is\_robot([*$key = NULL*])[¶](#35nkun2)

| Parameters: | * **$key** (*string*) – Optional robot name |
| --- | --- |
| Returns: | TRUE if the user agent is a (specified) robot, FALSE if not |
| Return type: | bool |

Returns TRUE/FALSE (boolean) if the user agent is a known robot.

Note

The user agent library only contains the most common robot definitions. It is not a complete list of bots. There are hundreds of them so searching for each one would not be very efficient. If you find that some bots that commonly visit your site are missing from the list you can add them to your **application/config/user\_agents.php** file.

is\_referral()[¶](#1ksv4uv)

| Returns: | TRUE if the user agent is a referral, FALSE if not |
| --- | --- |
| Return type: | bool |

Returns TRUE/FALSE (boolean) if the user agent was referred from another site.

browser()[¶](#44sinio)

| Returns: | Detected browser or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the name of the web browser viewing your site.

version()[¶](#2jxsxqh)

| Returns: | Detected browser version or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the version number of the web browser viewing your site.

mobile()[¶](#z337ya)

| Returns: | Detected mobile device brand or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the name of the mobile device viewing your site.

robot()[¶](#3j2qqm3)

| Returns: | Detected robot name or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the name of the robot viewing your site.

platform()[¶](#1y810tw)

| Returns: | Detected operating system or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the platform viewing your site (Linux, Windows, OS X, etc.).

referrer()[¶](#4i7ojhp)

| Returns: | Detected referrer or an empty string |
| --- | --- |
| Return type: | string |

The referrer, if the user agent was referred from another site. Typically you’ll test for this as follows:

if ($this->agent->is\_referral())  
{  
 echo $this->agent->referrer();  
}

agent\_string()[¶](#2xcytpi)

| Returns: | Full user agent string or an empty string |
| --- | --- |
| Return type: | string |

Returns a string containing the full user agent string. Typically it will be something like this:

Mozilla/5.0 (Macintosh; U; Intel Mac OS X; en-US; rv:1.8.0.4) Gecko/20060613 Camino/1.0.2

accept\_lang([*$lang = 'en'*])[¶](#1ci93xb)

| Parameters: | * **$lang** (*string*) – Language key |
| --- | --- |
| Returns: | TRUE if provided language is accepted, FALSE if not |
| Return type: | bool |

Lets you determine if the user agent accepts a particular language. Example:

if ($this->agent->accept\_lang('en'))  
{  
 echo 'You accept English!';  
}

Note

This method is not typically very reliable since some browsers do not provide language info, and even among those that do, it is not always accurate.

languages()[¶](#3whwml4)

| Returns: | An array list of accepted languages |
| --- | --- |
| Return type: | array |

Returns an array of languages supported by the user agent.

accept\_charset([*$charset = 'utf-8'*])[¶](#2bn6wsx)

| Parameters: | * **$charset** (*string*) – Character set |
| --- | --- |
| Returns: | TRUE if the character set is accepted, FALSE if not |
| Return type: | bool |

Lets you determine if the user agent accepts a particular character set. Example:

if ($this->agent->accept\_charset('utf-8'))  
{  
 echo 'You browser supports UTF-8!';  
}

Note

This method is not typically very reliable since some browsers do not provide character-set info, and even among those that do, it is not always accurate.

charsets()[¶](#qsh70q)

| Returns: | An array list of accepted character sets |
| --- | --- |
| Return type: | array |

Returns an array of character sets accepted by the user agent.

parse(*$string*)[¶](#3as4poj)

| Parameters: | * **$string** (*string*) – A custom user-agent string |
| --- | --- |
| Return type: | void |

Parses a custom user-agent string, different from the one reported by the current visitor.

[Next](http://docs.google.com/xmlrpc.html)   [Previous](http://docs.google.com/uri.html)

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