



Functions are executed with the following URL:

[https://radmon.org/radmon.php?function=\[function\]&\[parameter\]=\[parameter\]](https://radmon.org/radmon.php?function=[function]&[parameter]=[parameter])

Example: <https://radmon.org/radmon.php?function=showuserpage&user=Simomax>

General status

Function: **getstatus**

Parameters:

Description: Gets the status of the server.

Example: <https://radmon.org/radmon.php?function=getstatus>

Returns: *'Raspberry Pi 4 server stats: CPU 32% Memory 15% Swap 12% CPU temp=58.4°C Filesystem 63% used Uptime 12 Days'*

Function: **ping**

Parameters:

Description: Returns a reply. Can be used to see if the server, or at least the web server is operational and online.

Example: <https://radmon.org/radmon.php?function=ping>

Returns: *'pong'*

Function: **time**

Parameters:

Description: Returns the server date and time in php format (Y-m-d H:i:s).

Example: <https://radmon.org/radmon.php?function=time>

Returns: *'2022-12-09 17:37:38'*

Function: **pingtime**

Parameters:

Description: Returns a reply and returns the server date and time in php format (Y-m-d H:i:s). The separator used is & sign instead of a space as this can easily be used to parse the string.

Example: <https://radmon.org/radmon.php?function=pingtime>

Returns: *'pong&2022-12-09 17:39:48'*

Station Submission

Function: **submit**

Parameters: user, password, value, unit

Description: Submits a station reading. Note: the unit should always be CPM.

Example: <https://radmon.org/radmon.php?function=submit&user=Simomax&password=datasendingpassword&value=100&unit=CPM>

Returns: *'OK'*

Function: **submitwithlatlng**

Parameters: user, password, value, unit, latitude, longitude

Description: Submits a station reading and sets the station latitude and longitude. Note: the unit should always be CPM.

Example:
<https://radmon.org/radmon.php?function=submit&user=Simomax&password=datasendingpassword&value=100&unit=CPM&latitude=54.8097&longitude=-2.01445>

Returns: *'OK'*

Station Settings

Function: **updatedescription**

Parameters: user, password, description

Description: Used for updating the station description.

Example:

<https://radmon.org/radmon.php?function=updatedescription&user=Simomax&password=datasendingpassword&description=My%20Station%20Is%20Fantastic!>

Debug returns: *'Set user description successfully.'*

Function: **setlatitudelongitude**

Parameters: user, password, latitude, longitude

Description: Sets the station latitude and longitude.

Example: <https://radmon.org/radmon.php?function=setlatitudelongitude&user=Simomax&password=datasendingpassword&latitude=53.80951&longitude=-3.014777>

Debug returns: *'Set user latitude and longitude successfully.'*

Function: **setconversionfactor**

Parameters: user, password, value

Description: Used for setting the station's GM tube conversion factor.

Example: <https://radmon.org/radmon.php?function=setconversionfactor&user=Simomax&password=datasendingpassword&value=0.00833>

Debug returns: *'Set conversion factor successfully.'*

Function: **setwarnalert**

Parameters: user, password, warn, alert

Description: Returns Sets the station's alert and warning levels.

Example: <https://radmon.org/radmon.php?function=setwarnalert&user=Simomax&password=datasendingpassword&warn=70&alert=120>

Debug returns: *'Set warn and alert level successfully.'*

Function: **setalertsenabled**

Parameters: user, password

Description: Enables alerts for the station.

Example: <https://radmon.org/radmon.php?function=setalertsenabled&user=Simomax&password=datasendingpassword>

Debug returns: *'Set alerts to enable successfully.'*

Function: **setalertsdisabled**

Parameters: user, password

Description: Disables alerts for the station.

Example: <https://radmon.org/radmon.php?function=setalertsdisabled&user=Simomax&password=datasendingpassword>

Debug returns: *'Set alerts to disable successfully.'*

Station details

Function: **showuserpage**

Parameters: user

Description: Shows the station page for the user.

Example: <https://radmon.org/radmon.php?function=showuserpage&user=Simomax>

Returns: Displays the user page

Function: **lastreading**

Parameters: user

Description: Displays the last reading of a station in CPM.

Example: <https://radmon.org/radmon.php?function=lastreading&user=Simomax>

Returns: *'18 CPM on 2022-12-03 17:49:31UTC at Blackpool, Lancashire, United Kingdom'*

Function: **lastreadingusv**

Parameters: user

Description: Displays the last reading of a station in uSv/hr.

Example: <https://radmon.org/radmon.php?function=lastreadingusv&user=Simomax>

Returns: *'0.225 uSv/hr on 2022-12-03 17:45:31UTC at Blackpool, Lancashire, United Kingdom'*

Data Manipulation

Function: **deletealerts**

Parameters: user, password, hours

Description: Deletes a station's alerts for the last X hours.

Example: <https://radmon.org/radmon.php?function=deletealerts&user=Simomax&password=datasendingpassword&hours=24>

Debug returns: *'Deleted alerts successfully.'*

Function: **deleteabove**

Parameters: user, password, hours, above

Description: Deletes any readings from the last X hours where they are above X CPM,

Example: <https://radmon.org/radmon.php?function=deleteabove&user=Simomax&password=datasendingpassword&hours=10&above=35>

Debug returns: *'Deleted user data above successfully.'*

Function: **deleteuserdatahours**

Parameters: user, password, hours

Description: Deletes the last X hours of data.

Example: <https://radmon.org/radmon.php?function=deleteuserdatahours&user=Simomax&password=datasendingpassword&hours=1>

Debug Returns: *'Deleted user data for last hour successfully.'*

Graph drawing

Function: **forcegraphrefresh**

Parameters: user

Description: Forces a refresh of the station's graphs.

Example: <https://radmon.org/radmon.php?function=forcegraphrefresh&user=Simomax>

Returns: *'Graphs successfully generated.'* if successful, or *'Server is too busy. Try again another time.'* if server load is high.

Function: **drawall**

Parameters: user

Description: Refreshes (draws) the daily, weekly and monthly graphs.

Example: <https://radmon.org/radmon.php?function=drawall&user=Simomax>

Returns: Nothing

Function: **graphtoday**

Parameters: user

Description: Refreshes today's graph.

Example: <https://radmon.org/radmon.php?function=graphtoday&user=Simomax>

Returns: Nothing

Function: **graphweek**

Parameters: user

Description: Refreshes the weekly graph.

Example: <https://radmon.org/radmon.php?function=graphweek&user=Simomax>

Returns: Nothing

Function: **graphmonth**

Parameters: user

Description: Refreshes the monthly graph.

Example: <https://radmon.org/radmon.php?function=graphmonth&user=Simomax>

Returns: Nothing

Function: **graphquarter**

Parameters: user

Description: Refreshes the quarterly graph.

Example: <https://radmon.org/radmon.php?function=graphquarter&user=Simomax>

Returns: Nothing

Function: **drawgraph24hr**

Parameters: user

Description: Draws a graph from the station's last 24 hours submissions.

Example: https://radmon.org/radmon.php?function=drawgraph24hr&user=radspod_north

Returns: A graph

Function: **drawsmallgraph**

Parameters: user

Description: Draws a small graph of the station's last 12 hours submissions.

Example: <https://radmon.org/radmon.php?function=drawsmallgraph&user=Simomax>

Returns: A small graph

CPM Graphics

Function: **cpmreading**

Parameters: user

Description: Draws a small png of the station's last submission and status indicator.

Example: <https://radmon.org/radmon.php?function=cpmreading&user=Simomax>

Returns: PNG image

Function: **cpmmeter**

Parameters: user

Description: Draws a small png horizontal bar the station's last submission.

Example: <https://radmon.org/radmon.php?function=cpmmeter&user=Simomax>

Returns: PNG image

Listing Functions

Function: **showuserlist**

Parameters:

Description: Displays a list of active stations.

Example: <https://radmon.org/radmon.php?function=showuserlist>

Returns: List of active stations

Function: **showuserlistinactive**

Parameters:

Description: Displays list of inactive stations.

Example: <https://radmon.org/radmon.php?function=showuserlistinactive>

Returns: List of inactive stations