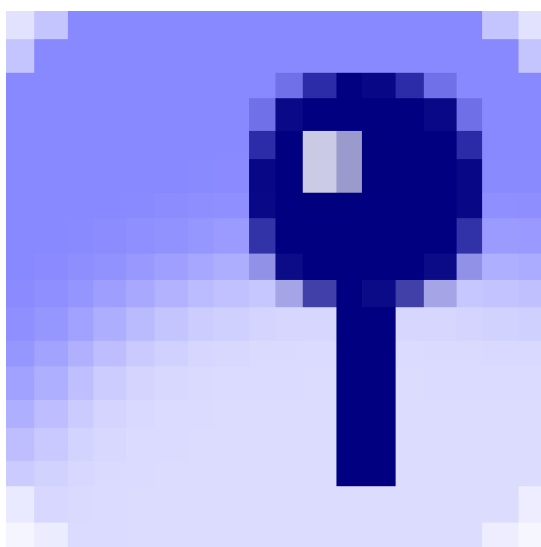


# Radial Search (Umkreissuche)

Radial Search (Umkreissuche)



Version: 1.0.1, 2013-12-28

Extension Key: radialsearch

Language: en

Keywords: forDevelopers, forIntegrators, radial, search, radius, umkreissuche

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# Screenshots

## Frontend



The screenshot shows the 'Organisier Standorte' (Organizer Locations) page. At the top, there's a banner for 'TYPO3 Organisier' with a 'Start' button. Below the banner, the page title is 'Organisier Standorte'. There's a search bar with a 'Suchbegriff' (Search term) input field, a 'Suchen' (Search) button, and a 'Zurücksetzen' (Reset) button. Below the search bar, there's a dropdown menu for 'Alle Gruppen (4)' and a text input field for 'PLZ oder Stadt' (Postal code or city) containing '20095 Hamburg Altstadt'. To the right of this field is a 'Umkreis' (Radius) dropdown menu set to '1.000 Km'. Below the search form, there's a list of results. The first result is 'Die Netzmacher - Büro Erfurt' at 294 Km distance, marked with a red '3'. The second result is 'TYPO3 Association' at 712 Km distance. The third result is 'Weißes Haus' at 6.463 Km distance, marked with a red '4'. The results are displayed in a table with columns for 'Alle', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'XYZ'.

Illustration 1: Radial Search form (1, 2) and hits within the given radius (3) and outside the radius (4)

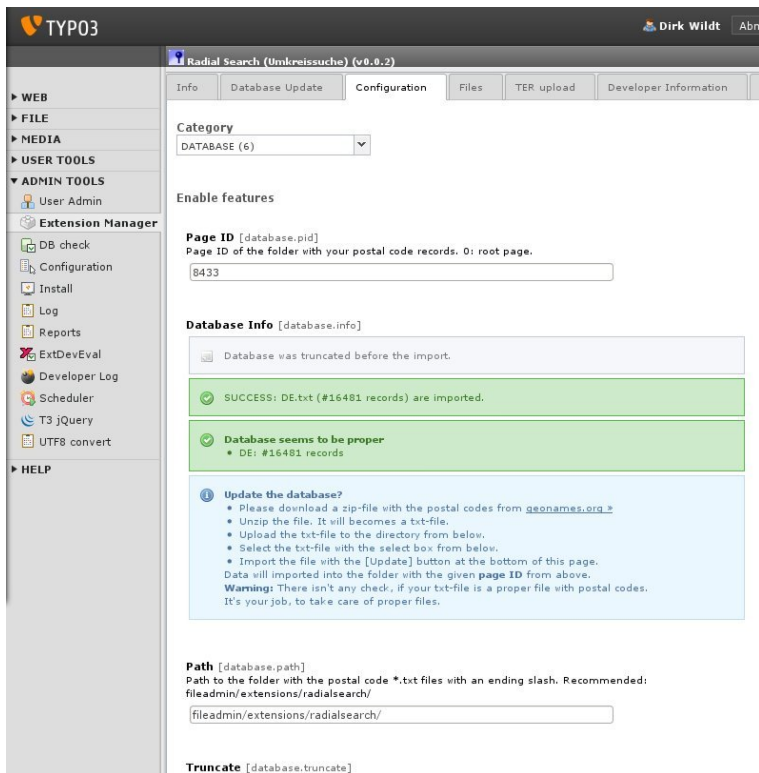
The Radial Search form has both parts:

- An input field for ZIP and city with an auto-complete function.
- A select box with values for a radius.

See live example at

- <http://typo3-organisier.de/standorte/>

## Backend



**Radial Search (Umkreissuche) (v0.0.2)**

Info Database Update **Configuration** Files TER upload Developer Information

Category  
DATABASE (6)

Enable features

**Page ID** [database.pid]  
Page ID of the folder with your postal code records. 0: root page.  
8433

**Database Info** [database.info]

Database was truncated before the import.

**SUCCESS: DE.txt (#16481 records) are imported.**

**Database seems to be proper**  
• DE: #16481 records

**Update the database?**  
• Please download a zip-file with the postal codes from [geonames.org](http://geonames.org).  
• Unzip the file. It will become a txt-file.  
• Upload the txt-file to the directory from below.  
• Select the txt-file with the select box from below.  
• Import the file with the [Update] button at the bottom of this page.  
Data will be imported into the folder with the given **page ID** from above.  
**Warning:** There isn't any check, if your txt-file is a proper file with postal codes.  
It's your job, to take care of proper files.

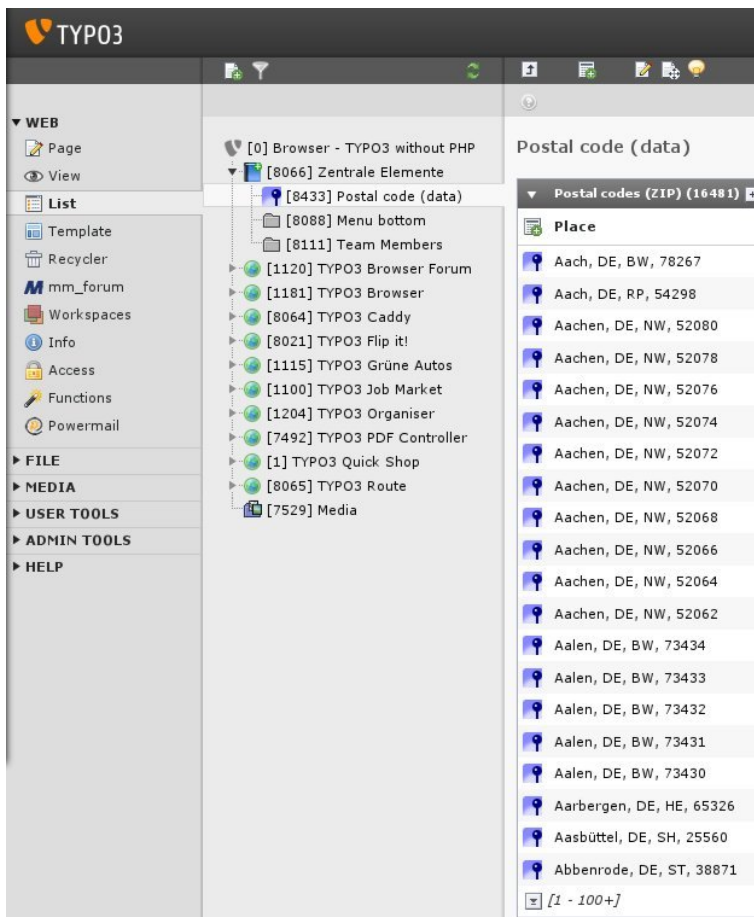
**Path** [database.path]  
Path to the folder with the postal code \*.txt files with an ending slash. Recommended:  
fileadmin/extensions/radialsearch/  
fileadmin/extensions/radialsearch/

**Truncate** [database.truncate]

Illustration 2: Interface for data import

You are importing your needed postal-code data supported by the extension manager.

You receive the needed data at [geonames.org](http://geonames.org) without any fee.



**TYPO3**

WEB  
View  
List  
Template  
Recycler  
mm\_forum  
Workspaces  
Info  
Access  
Functions  
Powermail

**FILE**  
**MEDIA**  
**USER TOOLS**  
**ADMIN TOOLS**  
**HELP**

[0] Browser - TYPO3 without PHP  
[8066] Zentrale Elemente  
[8433] Postal code (data)  
[8088] Menu bottom  
[8111] Team Members  
[1120] TYPO3 Browser Forum  
[1181] TYPO3 Browser  
[8064] TYPO3 Caddy  
[8021] TYPO3 Flip it!  
[1115] TYPO3 Grüne Autos  
[1100] TYPO3 Job Market  
[1204] TYPO3 Organisier  
[7492] TYPO3 PDF Controller  
[1] TYPO3 Quick Shop  
[8065] TYPO3 Route  
[7529] Media

**Postal code (data)**

**Postal codes (ZIP) (16481)**

**Place**

Aach, DE, BW, 78267  
Aach, DE, RP, 54298  
Aachen, DE, NW, 52080  
Aachen, DE, NW, 52078  
Aachen, DE, NW, 52076  
Aachen, DE, NW, 52074  
Aachen, DE, NW, 52072  
Aachen, DE, NW, 52070  
Aachen, DE, NW, 52068  
Aachen, DE, NW, 52066  
Aachen, DE, NW, 52064  
Aachen, DE, NW, 52062  
Aalen, DE, BW, 73434  
Aalen, DE, BW, 73433  
Aalen, DE, BW, 73432  
Aalen, DE, BW, 73431  
Aalen, DE, BW, 73430  
Aarbergen, DE, HE, 65326  
Aasbüttel, DE, SH, 25560  
Abbenrode, DE, ST, 38871

[1 - 100+]

Illustration 3: Postal-codes (here: German ZIP)

# Introduction

## What does Radial Search (Umkreissuche) do?

Radial Search (Umkreissuche) enables you to search address data by a given ZIP code and a radius.

It is delivered with

- a search form with an auto-complete feature

## How to use Radial Search (Umkreissuche)?

### TYPO3 developers: PHP interface

Radial Search (Umkreissuche) has an PHP interface. This interface enables TYPO3 developers, to integrate Radial Search (Umkreissuche) into their own extension.

But be aware: this manual isn't any tutorial how to use this interface. This manual will show samples only.

See "By the internal PHP interface" on page 12 below.

### TYPO3 integrators: Browser – TYPO3 without PHP

The Browser – TYPO3 without PHP – has Radial Search (Umkreissuche) integrated. The Browser enables TYPO3 integrators, to use Radial Search (Umkreissuche) within their own extension.

- You have to be familiar with the Browser – TYPO3 without PHP.

The Organiser – TYPO3 for the lobby and the organisers – is using Radial Search (Umkreissuche) out of the Box.

- You can install the Organiser with one mouse-click. Radial Search (Umkreissuche) is used by the headquarters table by default.

See "By the Browser – TYPO3 without PHP" on page 11 below.

## Good to know

Radial Search (Umkreissuche) is using Kilometers only in the current version. Miles aren't supported now. Sorry.

## What do you need?

- Radial Search (Umkreissuche)
- Browser – TYPO3 without PHP – optionally.
- Radial Search (Umkreissuche) is tested in TYPO3 version 4.5 and 4.7.

## Target Group

- TYPO3 agencies
- TYPO3 integrators
- TYPO3 developers

# Installation

## Quick Installation

### In every case

- Install the extension Radial Search (Umkreissuche) and enable it.
- Add a folder "Radialsearch" to your page tree. It will be needed for storing the postal code data.
- Add a folder "Radialsearch" to your file list. It will be needed for the postal code \*.txt-file.
- Maintain the property [Database] of the extension manager.
  - You have to upload a file with the needed postal codes.
  - The workflow should be self-explained.

### In case of the Browser – TYPO3 without PHP

If you are using the Browser – TYPO3 without PHP:

- Include the Static Template and take care of the ordering<sup>1</sup>:
  - Radial Search (radialsearch)
  - Browser (browser)
- Maintain the properties of the Constant Editor of the page, where you like to use Radial Search (Umkreissuche)
  - Category [BROWSER – RADIAL SEARCH]
    - Latitude = table.field  
table.field of your latitude value. I.e: my\_ext\_main.lat
    - Longitude = table.field  
table.field of your longitude value. I.e: my\_ext\_main.lon
  - Category [RADIAL SEARCH – CSS]
    - CSS jQuery UI file =  
You have to disable the jQuery UI CSS (empty value), because you are controlling the CSS by the Browser plugin.

### In case of the Organisier – TYPO3 for lobby and organisers

If you are using the Organisier – TYP3 for the lobby and the organisers – installed by the one-click-installer:

- Nothing to do.

### jQuery

Radial Search (Umkreissuche) is using the jQuery method autocomplete.

Take care, that your jQuery code supports autocomplete.

### T3 jQuery

If you are using T3 jQuery, please compile T3 jQuery once more.

<sup>1</sup> The static template of Radial Search (Umkreissuche) must be included before the static template of the Browser – TYPO3 without PHP

## Constant Editor

All properties have the prefix `plugin.tx_radialsearch_pi1`.

Example: `autocomplete.minLength` is `plugin.tx_radialsearch_pi1.autocomplete.minLength`.

### AUTOCOMplete

Property	Type	Description	Default
<code>autocomplete.minLength</code>	integer	Minimum length of the search word for autocomplete. Please take a look into the categories FILTER and SQL too.	2

### CSS

Property	Type	Description	Default
<code>css.default.path</code>	string	Path of the CSS default file <b>Default:</b> EXT:radialsearch/res/css/tx_radialsearch_pi1.css	see description
<code>css.jquery.path</code>	string	Path of the CSS jQuery UI file. Leave it empty, if you don't need the jQuery UI CSS. <b>Default:</b> EXT:radialsearch/res/css/jquery/smoothness/jquery-ui.css	see description

### DISTANCE

Property	Type	Description	Default
<code>distance.fieldLabel</code>	string	Field label for the distance. Field isn't part of your database. Field will generated while runtime and will added to SELECT statements. Don't use tableField syntax like <code>tx_myext_main.distance</code> : You will get an SQL error!	distance
<code>distance.decimals</code>	integer	Number of decimals	0
<code>distance.dec_point</code>	string	Decimal point: I.e: dot (en), comma (de)	.
<code>distance.thousands_sep</code>	string	Thousands separator: I.e: comma (en), dot (de)	,

### FILTER

Property	Type	Description	Default
<code>filter.country_code</code>	string	ISO country code. For example: DE, GB, US. Leave it empty, if ZIP code of all countries should be available for search and autocomplete. Please take a look into the categories AUTOCOMplete and SQL too.	
<code>filter.admin_code1</code>	string	State Code: Code of the 1. order subdivision (state). For example: TH. Leave it empty, if ZIP code of all subdivisions should be available for search and autocomplete. Please take a look into the categories AUTOCOMplete and SQL too.	

### GET POST

Property	Type	Description	Default
<code>gp.parameter</code>	string	Parameter for the URL. Sent by GET or Post. Usually the piVar parameter of your extension. Examples: <code>tx_browser_pi1</code> , <code>tx_myext_pi1</code>	<code>tx_browser_pi1</code>
<code>gp.input</code>	string	HTML name of the input field for the search word. Example: <code>radialsearch</code> . Would become in URL: <code>tx_browser_pi1[radialsearch]</code>	<code>radialsearch</code>
<code>gp.select</code>	string	HTML name of the select box with options for the radius. Example: <code>radius</code> . Would become in URL: <code>tx_browser_pi1[radius]</code>	<code>radius</code>

## HTML

Property	Type	Description	Default
html.input.id	string	ID of the input field. Without any hash!	lookfromplace
html.path	string	Template: Path of the HTML template file <b>Default:</b> EXT:radialsearch/res/html/tx_radialsearch_pi1.html	see description

## JAVASCRIPT

Property	Type	Description	Default
javascript.path	string	Path of the JavaScript snippet. <b>Default:</b> EXT:radialsearch/res/js/tx_radialsearch_pi1.js	see description
javascript.placeToFooter	boolean	If enabled, the script will placed at the footer otherwise on the top.	1
javascript.inline	boolean	If enabled, the script will included inline. <b>This is obligated</b> , because the script contains marker, which should replaced at runtime.	1

## RADIUSBOX

Property	Type	Description	Default
radiusbox.unit	options	Kilometer (sorry, miles aren't supported in the current version)	Km
radiusbox.options	string / CSV	Options: Comma separated values (CSV)	5, 10, 25, 50, 100

## SEARCHMODE

Property	Type	Description	Default
search.mode	options	Search in the fields place or zip or place and zip. <ul style="list-style-type: none"> <li>place</li> <li>zip</li> <li>place and zip</li> </ul>	place and zip

## SQL

Property	Type	Description	Default
sql.limit	integer	Maximum amount of rows, which should returned by the database for the input form while autocomplete. Please take a look into the categories AUTOCOMPLETE and FILTER too.	12



# Import Postal Code Data

## Get data from geonames.org

Please download a zip-file with the needed postal codes from geonames.org:

- <http://download.geonames.org/export/zip/>

Unzip the file. It will becomes a txt-file.

Upload the txt-file into the directory, which is configured by the Extension Manager. See (6) in the illustration below.

## Import the data by the Extension Manager

The screenshot shows the TYP03 web interface. The sidebar on the left contains navigation links: WEB, FILE, MEDIA, USER TOOLS, ADMIN TOOLS (with sub-links like User Admin, Extension Manager, DB check, Configuration, Install, Log, Reports, ExtDevEval, Developer Log, Scheduler, T3 jQuery, UTF8 convert), and HELP. The main content area is titled 'Radial Search (Umkreissuche) (v1.0.0)' and has tabs for Info, Database Update, Configuration, Files, TER upload, and Developer Information. The 'Configuration' tab is active. It contains several sections: 'Category' with a dropdown menu set to 'DATABASE (6)'; 'Enable features' with a 'Page ID' input field set to '0'; 'Database Info' with a warning 'Database is empty.' and an 'Update the database?' section with instructions and a 'Warning'; 'Path' with a text input field containing 'fileadmin/extensions/radialsearch/'; 'Truncate' with a checked checkbox; and 'Selectbox' with a dropdown menu set to 'Don't import anything.'. At the bottom is an 'Update' button.

1. Module: Admin Tools      Extension Manager
2. Edit Area      Select the Radial Search (Umkreissuche) extension
3.      Tab [Configuration]
4.      Category: [Database]
5.      Enter the page ID of the folder, which should store the postal code data.<sup>1</sup>
6.      Change the path to the directory in the fileadmin, if you are using your own path.
7.      Enable truncating, if you like to empty the database before the import.<sup>2</sup>
8.      Select your uploaded txt-file.
9.      Click [Update].

<sup>1</sup> It is allowed to store the data on the root level (page ID 0), but it isn't recommended.

<sup>2</sup> Please avoid double data.

## Plugins – for Development only

Plugins are for checks and development only.

### Radial Search – input field (pi1)

The input field of Radial Search (Umkreissuche).

You can check the autocomplete method of jQuery succesful, if

- you have a proper jQuery (with support for autocomplete)
- you have included the static template of Radial Search (Umkreissuche),
- you have imported some postal-code data.

The plugin has a Check it!-Report.

If you have any problem with the input field, please add the plugin to the current page and check the report!

### Radial Search – select box (pi2)

The select box for the radius of Radial Search (Umkreissuche).

You can check the select box succesful, if

- you have included the static template of Radial Search (Umkreissuche),

The plugin has a Check it!-Report.

If you have any problem with the select box, please add the plugin to the current page and check the report!

### Radial Search DEV – ready-to-use (pi3)

jQuery sample for the autocomplete method with postal codes by geonames.org while runtime.

The sample should running succesful, if

- you have a proper jQuery (with support for autocomplete)

You don't need any imported postal-code data.

The plugin has a Check it!-Report.

If you have any problem with the sample, please add the plugin to the current page and check the report!

The sample is similar to

- <http://jqueryui.com/autocomplete/#remote-jsonp>

# Integration

## Precondition

You need a database with address records. These records must contain

- the latitude and
- the longitude.

The Browser – TYPO3 without PHP – supports an automatic adding of the latitude and the longitude

- for the current record while editing the address data or
- for all records by a cron job (for example every 3:00 a.m)

See

- BrowserMaps Tutorial  
[http://docs.typo3.org/typo3cms/extensions/browser\\_tut\\_map\\_en/](http://docs.typo3.org/typo3cms/extensions/browser_tut_map_en/)  
Look for "Automatic Geocoding"

## By the Browser – TYPO3 without PHP

It should be easy to use Radial Search (Umkreissuche) for your data, if you are using the Browser – TYPO3 without PHP – for displaying your data in the TYPO3 frontend.

There is a sample by the Organiser – TYPO3 for the lobby and the organisers. See live

- <http://typo3-organiser.de/standorte/>

The whole configuration of Radial Search (Umkreissuche) is done by the TypoScript for the headquarters (501). See

- [Organiser > heaquarters > constants.txt](#)
- [Organiser > heaquarters > setup.txt](#)

Look for "radialsearch".

Integrate Radial Search (Umkreissuche) in a comparable way into your TypoScript template.

## By the internal PHP interface

Radial Search (Umkreissuche) has a PHP interface, which enables you to integrate Radial Search (Umkreissuche) in every TYPO3 extension.

### Frontend

All forms and content of Radial Search (Umkreissuche) in the frontend is controlled by TypoScript. You find a sample configuration at the headquarters (501) template of the Organiser – TYPO3 for the lobby and the organisers. See

- [Organiser > heaquarters > constants.txt](#)
- [Organiser > heaquarters > setup.txt](#)

Look for "radialsearch".

### Backend

You need backend features for enrich your SQL queries.

For example:

- You have address data with latitudes and longitudes
- You receive your data by SQL queries
- If you are using Radial Search (Umkreissuche), you must enrich your SQL query with radial search properties like
  - and SELECT or
  - and WHERE

Radial Search (Umkreissuche) bundles all needed query parts in the interface class at

- [http://forge.typo3.org/projects/extension-radialsearch/repository/entry/trunk/interface/class.tx\\_radialsearch\\_interface.php](http://forge.typo3.org/projects/extension-radialsearch/repository/entry/trunk/interface/class.tx_radialsearch_interface.php)

The Browser – TYPO3 without PHP – is a sample for using this interface class by another extension.

It bundles all needed Query requests in the filter radialsearch class at

- [http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx\\_browser\\_pi1\\_filterRadialsearch.php](http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx_browser_pi1_filterRadialsearch.php)

This class is used by other classes like

- [http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx\\_browser\\_pi1\\_navi\\_pageBrowser.php](http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx_browser_pi1_navi_pageBrowser.php)
- [http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx\\_browser\\_pi1\\_viewlist.php](http://forge.typo3.org/projects/extension-browser/repository/entry/trunk/pi1/class.tx_browser_pi1_viewlist.php)

## Other Manuals

### Browser Tutorial Search (en)

The Browser Tutorial Search (en) has a section for Radial Search (Umkreissuche). See

- Browser Tutorial Search (en)  
[http://typo3.org/extensions/repository/view/browser\\_tut\\_search\\_en](http://typo3.org/extensions/repository/view/browser_tut_search_en)  
Look for "radial search"

## Reference

It is recommended to configure Radial Search (Umkreissuche) by the Constant Editor and not by the TypoScript Object Browser directly.

### Constant Editor

Please refer to the section "Constant Editor" on page 7 above.

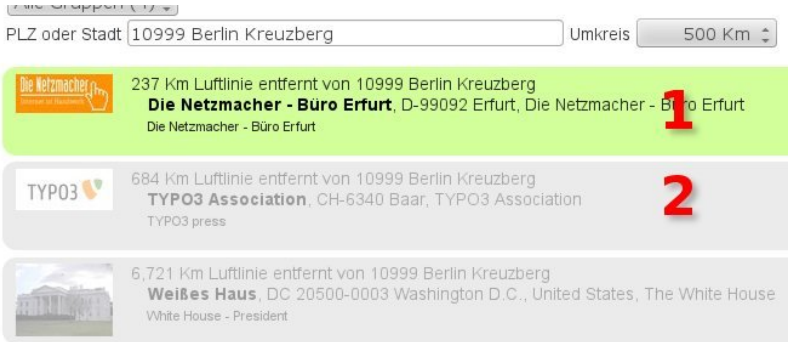
### Setup

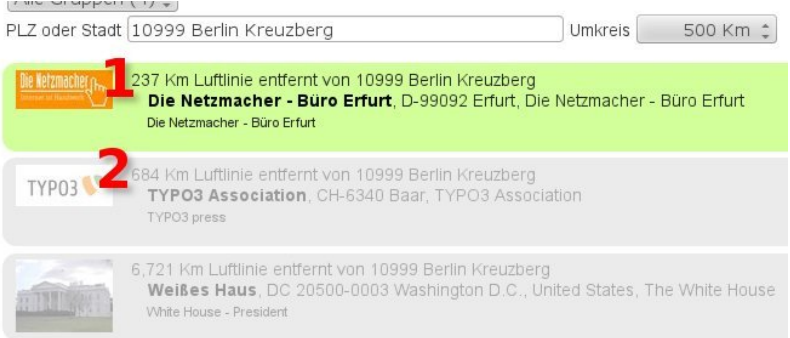
It is recommended to configure Radial Search (Umkreissuche) by the Constant Editor and not by the TypoScript Object Browser directly.

## tx\_radialsearch

All properties have the prefix plugin.tx\_radialsearch.

Example: masterTemplates.htmlClass is plugin.tx\_radialsearch.masterTemplates.htmlClass

Property:	Data type:	Description:
masterTemplates.htmlClass	COA/array	<p>Master template, which will return a HTML class depending of the radial search result. It returns:</p> <ul style="list-style-type: none"> <li>If there isn't any search (search form is empty): radialsearch radialsearch-without-search</li> <li>If there is a search and <ul style="list-style-type: none"> <li>the geo-position of the current record is within the radius: radialsearch radialsearch-within-radius</li> <li>the geo-position of the current record is outside of the radius: radialsearch radialsearch-outside-radius</li> </ul> </li> </ul> <p>You are needing the class, if you like to mark hits within the radius and hits outside of the radius differently. See the illustration below.</p>  <p>Illustration 4: A DIV-tag with class radialsearch-within-radius (1) and a DIV-tag with class radialsearch-outside-radius (2)</p> <p><b>Code:</b></p> <pre>plugin.tx_radialsearch {     masterTemplates {         htmlClass = COA         htmlClass {             ...         }     } }</pre> <p><b>Example:</b></p> <pre>plugin.tx_browser_pil {     views {         list {             501 {                 ...                 tx_org_headquarters {                     // placeholder: radialsearch HTML class                     // depending on radius                     crdate &lt; \                         plugin.tx_radialsearch.masterTemplates.htmlClass                 }             }         }     } }</pre> <p>See Organiser &gt; headquarters &gt; setup.txt »</p>

Property:	Data type:	Description:
masterTemplates.linearDistanceDouble	TEXT	<p>Master template, which will return the linear distance of the geoposition of the current record and the geoposition of the current postal-code. It returns a double value. Format depends on the properties of the constant editor. See category DISTANCE on page 7 above.</p> <p><b>Code:</b></p> <pre>plugin.tx_radialsearch {     masterTemplates {         linearDistanceDouble = TEXT         linearDistanceDouble {             ...         }     } }</pre>
masterTemplates.linearDistanceString	COA	<p>Master template, which will return the linear distance of the geoposition of the current record and the geoposition of the current postal-code as a phrase. The distance itself is a double value. Format depends on the properties of the constant editor. See category DISTANCE on page 7 above.</p> <p><b>Returns (example)</b></p> <ul style="list-style-type: none"> <li>237 Km Luftlinie entfernt von 10999 Berlin Kreuzberg</li> <li>237 Km linear distance from 10999 Berlin Kreuzberg</li> </ul>  <p>Illustration 5: samples for the distance string (1, 2)</p> <p><b>Code:</b></p> <pre>plugin.tx_radialsearch {     masterTemplates {         linearDistanceString = TEXT         linearDistanceString {             ...         }     } }</pre> <p><b>Example:</b></p> <pre>plugin.tx_browser_pil {     views {         list {             501 {                 ...                 tx_org_headquarters {                     //placeholder: radialsearch linear distance                     deleted &lt; \ plugin.tx_radialsearch.masterTemplates.linearDistanceString                 ...             }         }     } }</pre> <p>See Organiser &gt; heaquarters &gt; setup.txt »</p>



## tx\_radialsearch\_pi1

All properties have the prefix plugin.tx\_radialsearch\_pi1.

Example: gp is plugin.tx\_radialsearch\_pi1.gp

Property:	Data type:	Description:
plugin.tx_radialsearch_pi1	USER	<p>Configuration of the input field.</p> <p><b>Code:</b></p> <pre> plugin.tx_radialsearch_pi1 {     gp {         // Configuration of GET- and POST-labels.         // Configured by the constant editor         // See category "GET POST" on page 7 above         // Please inspect it with the TypoScript Object Browser     }     res {         // Configuration of css, HTML and JavaScript while runtime         // Configured by the constant editor         // See categories         // * CSS on page 7 above         // * HTML on page 8 above         // * JAVASCRIPT on page 8 above         // Please inspect it with the TypoScript Object Browser     }     radiusbox {         // Configuration of options, number format and unit         // of the select box for the radius         // Configured by the constant editor         // See category         // * RADIUSBOX on page 8 above         // Please inspect it with the TypoScript Object Browser     }     _HTMLMARKER {         // Values for the HTML template, which will rendered and         // replaced while runtime         // Feel free, to define your own marker.         // Please inspect it with the TypoScript Object Browser     } } </pre> <p><b>Example:</b></p> <pre> ... content = COA content {     wrap = &lt;div class="filter-radialsearch"&gt; &lt;/div&gt;     10 &lt; plugin.tx_radialsearch_pi1     20 &lt; plugin.tx_radialsearch_pi2 } ... </pre> <p>See Browser &gt; setup.txt »</p>



## tx\_radialsearch\_pi2

All properties have the prefix plugin.tx\_radialsearch\_pi2.

Example: gp is plugin.tx\_radialsearch\_pi2.gp

Property:	Data type:	Description:
plugin.tx_radialsearch_pi2	USER	<p>Configuration of the select box (radius).</p> <p><b>Code:</b> See tx_radialsearch_pi1 on page 17 above</p> <p><b>Example:</b> See tx_radialsearch_pi1 on page 17 above</p>

## tx\_radialsearch\_pi3

All properties have the prefix plugin.tx\_radialsearch\_pi3.

Example: gp is plugin.tx\_radialsearch\_pi3.gp

Property:	Data type:	Description:
plugin.tx_radialsearch_pi3	USER	<p>TypoScript is for internal check only. There is nothing to configure.</p>

# Debugging

If you have any unexpected result, you can inspect Radial Search (Umkreissuche) in the TYPO3 backend with the DRS – the Development Reporting System – and in the TYPO3 frontend with Firebug.

## DRS – Development Reporting System

### Inspect work-flow, SQL queries and errors

The DRS – Development Reporting System – enables you

- to follow the work-flow of Radial Search (Umkreissuche),
- to inspect alternate configuration possibilities,
- to inspect SQL queries,
- to inspect improper configuration and last but not least
- the DRS prompts warnings and errors

### Enabling by the Extension Manager

Enable the DRS – Development Reporting System – by the Extension Manager.



Illustration 6: Enable the DRS by the Extension Manager

- |    |                     |   |
|----|---------------------|---|
| 1. | Module: Admin Tools | Extension Manager                                 |
| 2. | Edit Area           | Select the Radial Search (Umkreissuche) extension |
| 3. |                     | Tab [Configuration]                               |
| 4. |                     | Category: [Debugging]                             |
| 5. |                     | DRS – Development Reporting System: [Enabled]     |
| 6. |                     | [Update]  |

## The DRS report

### Precondition

You need the extension

- Developer Log (devlog)

### Report

The screenshot shows the TYPO3 Developer Log interface. On the left is a sidebar with navigation links: WEB, FILE, MEDIA, USER TOOLS, ADMIN TOOLS (with sub-links like User Admin, Extension Manager, DB check, Configuration, Install, Log, Reports, ExtDevEval, Developer Log, Scheduler, T3 jQuery, UTF8 convert), and HELP. The main area is titled 'Developer Log' and contains a 'Select Log' dropdown set to 'latest log run', a 'Refresh' button, and checkboxes for 'Auto refresh' and 'Expand all extra data'. Below this, it shows 'Log entries:' and 'Log period: 31-10-13 23:27 (0 min)'. A table of log entries follows, with columns for Date, Severity, Extension, Message, Called from, Page, User, and Extra data. The entries are filtered by the 'radialexsearch' extension and show various messages related to the DRS (Development Reporting System) being enabled and configuration changes.

Date	Severity	Extension	Message	Called from	Page	User	Extra data
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS - Development Reporting System is enabled: Enabled (for debugging only!)	class.tx_radialsearch_drs.php, line 146	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS is enabled by the extension manager.	class.tx_radialsearch_drs.php, line 148	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/FLEXFORM+JSS] file is placed inline. Source is: typo3conf/ext/radialexsearch/res/js/tx_radialsearch_pi1.js	class.tx_radialsearch_jss.php, line 362	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[HELP/FLEXFORM+JSS] Change the configuration? See: 'res.js.tx_radialsearch_pi1'	class.tx_radialsearch_jss.php, line 364	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/FLEXFORM+JSS] script is placed to footer.	class.tx_radialsearch_jss.php, line 184	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/CSS] file is included: EXT:radialexsearch/res/css/tx_radialsearch_pi1.css	class.tx_radialsearch_pi1.php, line 253	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[HELP/CSS] Change it? Configure: 'res.css.tx_radialsearch_pi1'	class.tx_radialsearch_pi1.php, line 255	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS - Development Reporting System is enabled: Enabled (for debugging only!)	class.tx_radialsearch_drs.php, line 146	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS is enabled by the extension manager.	class.tx_radialsearch_drs.php, line 148	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/CSS] file isn't added again: EXT:radialexsearch/res/css/tx_radialsearch_pi1.css	class.tx_radialsearch_pi1.php, line 203	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS - Development Reporting System is enabled: Enabled (for debugging only!)	class.tx_radialsearch_interface.php, line 582	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] The DRS is enabled by the extension manager.	class.tx_radialsearch_interface.php, line 584	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] , ACOS ( SIN( RADIANS( tx_radialsearch_postalcodes.latitude ) ) * SIN( RADIANS( tx_org_headquarters.mail_lat ) ) + COS( RADIANS( tx_radialsearch_postalcodes.latitude ) ) * COS( RADIANS( tx_org_headquarters.mail_lat ) ) * COS( RADIANS( tx_radialsearch_postalcodes.longitude ) - RADIANS( tx_org_headquarters.mail_lon ) ) ) * 6378.2 AS 'distance'	class.tx_radialsearch_interface.php, line 280	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] CROSS JOIN tx_radialsearch_postalcodes	class.tx_radialsearch_interface.php, line 130	Standorte		
31-10-13 23:27:13	INFO	radialexsearch	[INFO/DRS] AND tx_radialsearch_postalcodes.pid = 8433 AND ( tx_radialsearch_postalcodes.postal_code LIKE "10999 Berlin Kreuzberg%" OR tx_radialsearch_postalcodes.place_name LIKE "10999 Berlin Kreuzberg%" OR CONCAT(tx_radialsearch_postalcodes.postal_code, " ", tx_radialsearch_postalcodes.place_name) LIKE "10999 Berlin Kreuzberg%" ) AND	class.tx_radialsearch_interface.php, line 336	Standorte		

Illustration 7: The DRS Report

Get the report:

- Module > Admin Tools: Development Log

# Packages for Sponsors

Your donation and sponsoring is welcome.

Please order a package for sponsors at

- [http://typo3-browser-forum.de/sponsoring/?tx\\_browser\\_pi1\[tx\\_quickshop\\_categories.title\]=352&no\\_cache=1](http://typo3-browser-forum.de/sponsoring/?tx_browser_pi1[tx_quickshop_categories.title]=352&no_cache=1)

## Fun – 50 EUR



You like to treat the TYPO3 Radial Search (Umkreissuche) project.

You don't expect any equivalent. No logo. No service.

Throw 50 EUR or any other old sum into the cash box.

You will get a receive. You can set the amount off against tax liability.

## Logo – 150 EUR



You are treating the TYPO3 Radial Search (Umkreissuche) project and you like to be a guide for others.

Your logo will appear in the manual, at the website, in the plugin and in the extension manager of the Radial Search (Umkreissuche) .

The period of validity is limited to one year.

You will get a receive. You can set the amount off against tax liability.

You can pay more than 150 EUR.

## Patron – 500 EUR



You are the patron. You are treating TYPO3 Radial Search (Umkreissuche) project and you like to pay the developer more than best for two hours service.

Your logo will appear in the manual, at the website, in the plugin and in the extension manager of Radial Search (Umkreissuche) .

You can book the developer of Radial Search (Umkreissuche) for two hours.

The period of validity for both – the logo and the two hours – is limited to one year. If you don't use the two hours in this period, you will lost it.

You will get a receive. You can set the amount off against tax liability.

You can pay more than 500 EUR.

# Credits

## LEG-Thüringen

Thanks to the state development department of Thuringia / Germany – Landesentwicklungs-Gesellschaft Thüringen (LEG).  
It contracted the initial release.

- <http://www.leg-thueringen.de/>

## Known Bugs

Please refer to

- <http://forge.typo3.org/projects/extension-radialsearch/issues>

# FAQ

## Performance

### Example with worldwide postal codes

Postal codes near by 1.2 million<sup>1</sup> records and a database with 540 address records

- Query with filter and without a radial search needs round about 0.03 seconds
- Query with filter and a radial search needs round about 1.3 seconds

### Example with Postal Codes of Germany

Postal codes near by 16 000<sup>2</sup> records, database with 540 address records

- Query with filter and without a radial search needs round about 0.03 seconds
- Query with filter and a radial search needs round about 0.05 seconds

---

<sup>1</sup> Postal codes of the world: 1 177 212 exactly in October of 2013

<sup>2</sup> Postal codes of Germany: 16 481 exactly in October of 2013



## Further Information

### Forum
















Radial Search (Umkreissuche) has a website and a forum. Please visit:

- Forum TYPO3 Radial Search (Umkreissuche)  
<http://typo3-browser-forum.de/#cat36>

### TYPO3 forge

- <http://forge.typo3.org/projects/extension-radialsearch>

## Other extensions published by Die Netzmacher

-  +AOE Linkhandler Configurator: Configure the AOE linkhandler supported by userinterfaces. Out-of-the-box templates for cal, org, tt\_news and tt\_products. Don't edit page TSconfig any longer.  
<http://typo3.org/extensions/repository/view/linkhandlerconf/>
-  autositemap: A smart site-map optimised for the footer. It groups menus in columns. Great menus will get two columns. Configuration is based on TypoScript HMENU.  
<http://typo3.org/extensions/repository/view/autositemap/>
-  Browser – TYPO3 without PHP. Develop your TYPO3 extension 8 times faster! You need one line TypoScript for a result list with a search form, a record browser and an index browser. Images are wrapped self-acting. SEO, Search Engine Optimization, is integrated. <http://typo3.org/extensions/repository/view/browser/>
-  Caddy – the TYPO3 shopping cart. You can use it for your own needs. You need a database with products or any other items only. You can install Caddy out of the box with one mouse click – see Quick Shop below.  
<http://typo3.org/extensions/repository/view/caddy/>
-  Flip it! offers lovely and smooth page flip transitions. It enables you to run over pages in PDF documents like in a real magazine. It is based on flash. Flipt it! can convert PDF documents to swf files automatically.  
<http://typo3.org/extensions/repository/view/flipt/>
-  Green Cars (Grüne Autos) - Database optimized for ecological cars. It is a case study and demonstrates, how to get a complex database with the browser (see above) in three hours only.  
[http://typo3.org/extensions/repository/view/green\\_cars/](http://typo3.org/extensions/repository/view/green_cars/)
-  Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse. Job Market hasn't any PHP code, it should be easy to adapt it to your needs.  
[http://typo3.org/extensions/repository/view/job\\_market/](http://typo3.org/extensions/repository/view/job_market/)
-  Majordomo: For subscribing to and unsubscribing from a majordomo mailing list.  
<http://typo3.org/extensions/repository/view/majordomo/>
-  Organiser – TYPO3 for the lobby and the organisers. Handle news, events, staff, headquarters, locations, workshops and a calendar with one extension. Sell online tickets! Install the Organiser with one mouse click!  
<http://typo3-organiser.de/>
-  Quick Shop – the fastest shop in the history of TYPO3. Install it with one mouse click! Quick Shop is based on the browser (see above) and powermail.  
<http://typo3-quick-shop.de/>
-  PDF Controller: Easy to install. Add to your HTML page the PDF-controller-button. Link from the button to the controller. Adjust the controller by mouseclicks. The PDF Controller supports CSS 3.  
<http://typo3-pdfcontroller.de/>
-  Route – Publish your routes with GoogleMaps or OpenStreetMap. Routes have points of interest (POI). You can categorise and filter both: routes and POI. Address data can geocoded automatically.  
<http://typo3.org/extensions/repository/view/route/>
-  seo\_dynamic\_tag: Search Engine Optimization for the title tag, the canonical tag and the meta tags author, description and keywords. Configuration by a user interface.  
[http://typo3.org/extensions/repository/view/seo\\_dynamic\\_tag/](http://typo3.org/extensions/repository/view/seo_dynamic_tag/)
-  TSconfig Pages and Users by extManager (extkey: tsconf): Configure the the eight most commonly used TSconfig porperties with the mouse - like page tree uids, activated extended view, activated clipboard, ...  
<http://typo3.org/extensions/repository/view/tsconf/>
-  tt\_news select configuration (extkey: ttnews\_selectconf) enables to select tt\_news by any SQL clause. The extension adds an andWhere clause to the SQL query of the tt\_news plugin.  
[http://typo3.org/extensions/repository/view/ttnews\\_selectconf/](http://typo3.org/extensions/repository/view/ttnews_selectconf/)
-  Wine Catalogue provides a data base for wine with regions, wineries, styles, variety and ageing among others. It is localized. English, German and Spanish ist of the box. Wine based on the extension browser (see above).  
<http://typo3.org/extensions/repository/view/wine/>



# Illustration Index

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## Change Log

- 1.0.1 **Feature**
  - \* #54596: TypoScript template german properties**Improvement**
  - \* #i0004: jQuery smoothness got an image folder
- 1.0.0 **Improvements**
  - \* #i0002: Initial TER release
- 0.0.2 **Improvements**
  - \* #i0001: HTML
- 0.0.1 **Feature**
  - \* #52391: pi2 for development**Initial Release**
  - \* #52388: by Dirk Wildt <<http://wildt.at.die-netzmacher.de>>