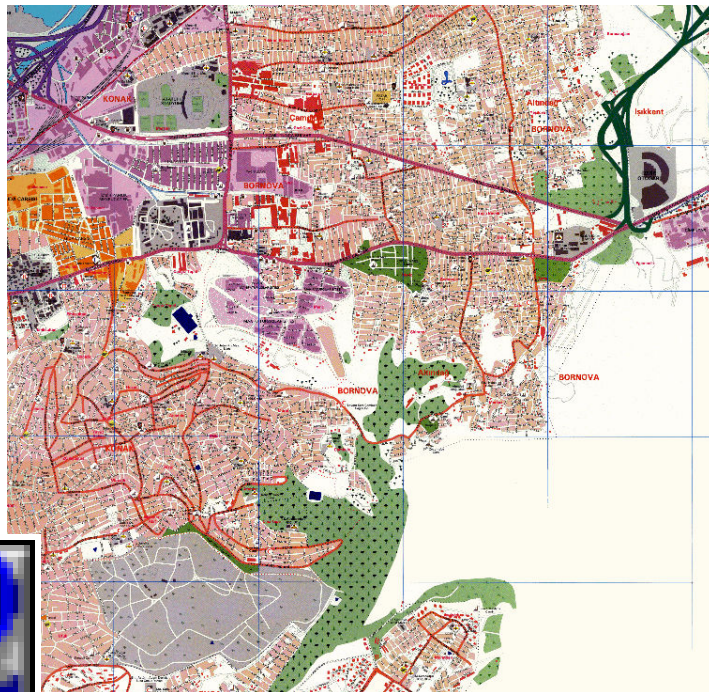




## Radcom User Manual

### Radcom Software Set Up Maps for the Radwin Database



[www.hwm-water.com](http://www.hwm-water.com)



Halma Water Management

Set Up Maps

Radcom Technologies Ltd  
10 Romsey Industrial Estate  
Greatbridge Road  
Romsey  
Hampshire  
SO51 0HR

Telephone 01794 528700

Fax 01794 528760

Email [sales@radcom.co.uk](mailto:sales@radcom.co.uk)

Website [www.radcom.co.uk](http://www.radcom.co.uk)

Palmer Environmental Ltd  
Ty Coch House  
Llantarnam Park Way  
Cwmbran  
Wales  
NP44 3AW

Telephone 01633 489479

Fax 01633 877857

Email [sales@palmer.co.uk](mailto:sales@palmer.co.uk)

Website [www.palmer.co.uk](http://www.palmer.co.uk)

Copyright © Radcom Technologies Ltd 2009







## Table of Contents

<b>INTRODUCTION.....</b>	<b>5</b>
<b>MAPS CONFIGURATION .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>EXAMPLE SET OF MAPS .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>VIEW MAP IN RADWIN SETUP .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>CALIBRATE MAP .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
TURN ON CONFIGURATION MODE .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
SAVE CALIBRATION .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
CHECK MAP CALIBRATION .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
ADD MAP LINK IN .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
ADD MAP LINK OUT.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
TURN OFF CONFIGURATION MODE.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>ADD A LOGGER TO THE MAP .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>VIEW DATA FROM MAP .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>

For technical support please contact

Radcom Technologies Ltd  
10 Romsey Industrial Estate  
Greatbridge Road  
Romsey  
Hampshire  
SO51 0HR

[support@radcom.co.uk](mailto:support@radcom.co.uk)

Telephone 01794 528700



## Maps Configuration

You can add maps in the form of images to Radwin. These image files can be BMP or JPEG format.

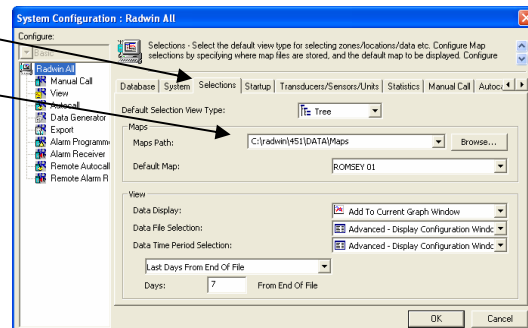
Open Radwin Setup  
Click System Configuration

Click the Selections tab

The Maps Path is where your images should be saved.

Either type the path which contains your map images, or alternatively click Browse, and then select the location of the map image files.

Use the drop down menu below to select the default map. This is usually the fully zoomed out view.

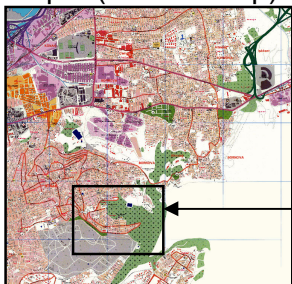


## Example set of maps

Here I have three separate images which I am going to use in Radwin.

Map 1 is my default map, and is the fully zoomed out map. I will set up a Link In point on this map, which when clicked will open map 2. A Link In point on map 2 will then open map 3. Many Link In points can be set up on a map.

Map 1 (Default Map)



Map 2 (Zoom level 1)



Map 3 (Zoom level 2)



A map can have loggers pinpointed on it so you have a visual representation of each logger location.



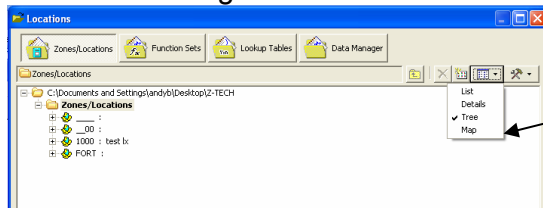
Halma Water Management

Set Up Maps

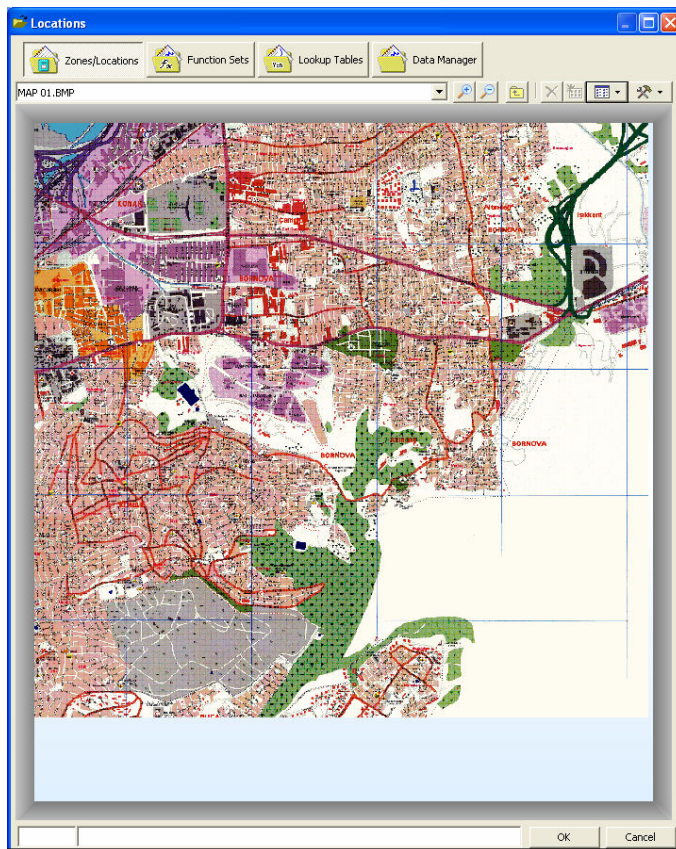
## View Map in Radwin Setup

Run Radwin Setup

Click Item Configuration



Click this drop down menu and then select Map





## Calibrate Map

To calibrate the map you must tell Radwin two known co-ordinates on the image, and then the software can calculate the co-ordinates for the rest of the image.

This website may assist in finding map co-ordinates. Other similar websites are available.

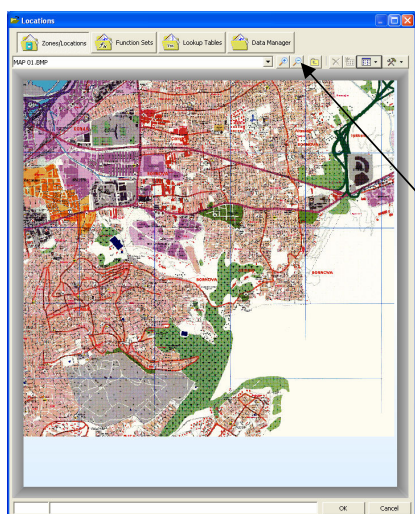
<http://itouchmap.com/latlong.html>

Or use a GPS receiver to record co-ordinates at known locations.

Follow instructions **View Map In Radwin**

## Turn On Configuration Mode

Click the tools icon, and then click Configuration Mode



Now use the magnify tools to zoom in on something like a crossroad, or obvious landmark.



Now I can clearly see some major crossroads. I will locate one of road junctions on the website mentioned above to find it's co-ordinates.

### Degrees Minutes Seconds

Latitude:

Longitude:

The co-ordinates above are an example – they are not accurate.

Halma Water Management



Right click on the position chosen.

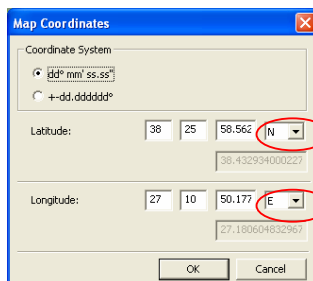
Now click “Set Map Calibration Point 1”

Enter the co-ordinates of the calibration point

**Degrees Minutes Seconds**

Latitude:

Longitude:



NB – The website mentioned states the following

+ for N Lat or E Long and - for S Lat or W Long

So I have made sure the Latitude is N, and the Longitude is E.

Click OK to save the calibration point.

Remember – You must calibrate TWO points on the map. It is preferable for the two points to be apart from each other in a diagonal direction.

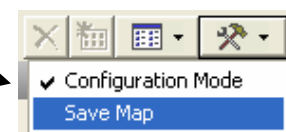
So go through the process again for a second different point somewhere on the map. This time when you right click on the map select “Set Map Calibration Point 2”.

You need to calibrate every map you use on Radwin.

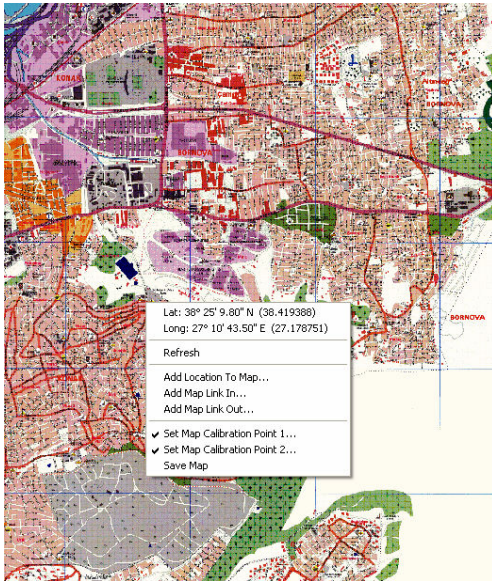
## Save Calibration

When the second calibration point has been stored you can right click anywhere on the map and then select Save Map.

Or click on the tool button and click Save Map.



## Check Map Calibration



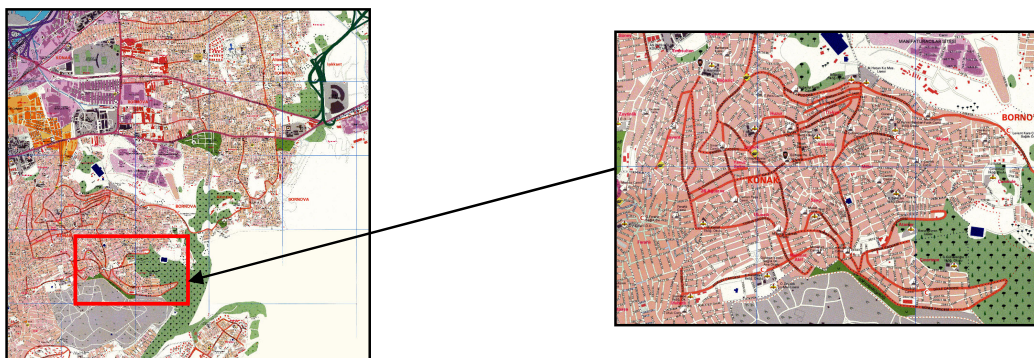
When TWO calibration points have been set on the map you can point to any position on the map and then right click.

The menu will show Lat and Long co-ordinates.

## Add Map Link In

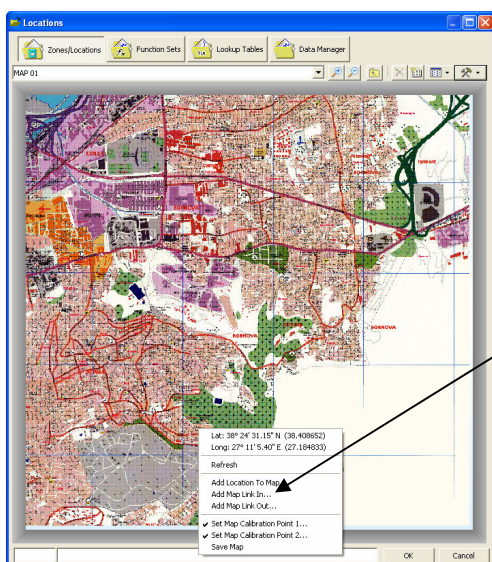
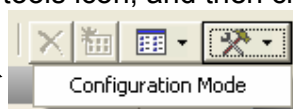
This acts as a zoom in function to a more detailed version of the map.

In the example below Map 1 shows the whole area. Map 2 shows the area within the square on Map 1 in more detail.



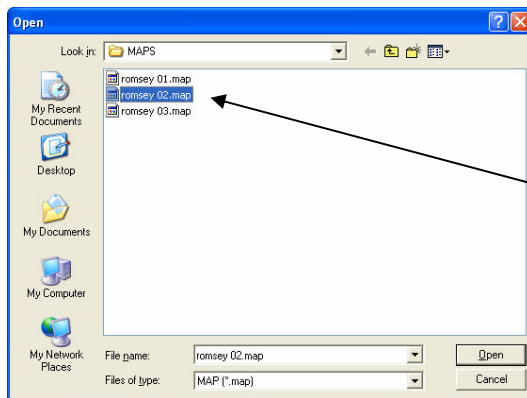
Follow the instructions for View Map In Radwin Setup (page 8)

When you see your map click the tools icon, and then click Configuration Mode

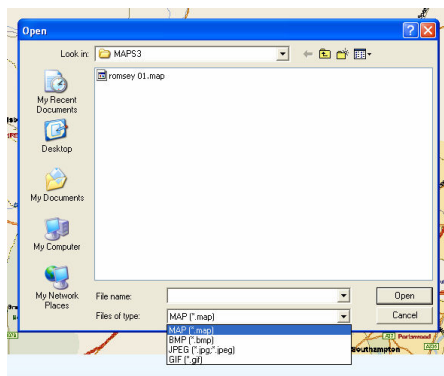


Right click on the area where you would like the new Link In button to be. This should be positioned to indicate the approximate centre of the area which the new map will cover.

After right clicking, select Add Map Link In from the menu.



Double click on the file which represents the new map.



### IF YOU DO NOT SEE THE .MAP FILE YOU REQUIRE...

..then this means Radwin has not had to do anything with the map image file yet (for example calibration). Use the drop down menu to select BMP or JPEG and you should then be able to select your image file.





Halma Water Management

## Set Up Maps

After selecting the file to be used for Link In then the map will show a small + icon.



Hover your mouse over the + icon and you will be shown the name of the map image to be displayed if double clicked.



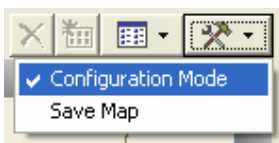
Double click the + icon and you will be shown the selected map image.

### **Add Map Link Out**

This is designed to act in exactly the opposite way to the Link In function. A small – icon will allow the user to zoom out to a different map image.

Right click on the area where you would like the new Map Link Out button to be. This should be positioned somewhere on the map. Select the map file which is the next level out. This image file will be seen when you click the – icon.

### **Save Map and Turn Off Configuration Mode**



Click the tools icon, and then click Save Map.

Click the tools icon again, and then click Configuration Mode which will turn the configuration mode off.

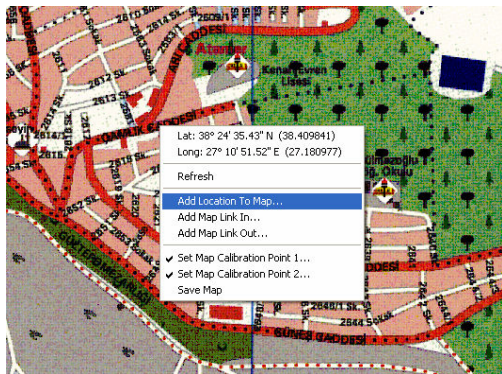
## Add A Logger to the map

**Before adding a logger to a map you must calibrate the map. Calibration instructions are from page 9 in this manual.**

Open Radwin Setup

Follow the instructions for viewing the map (page 8)

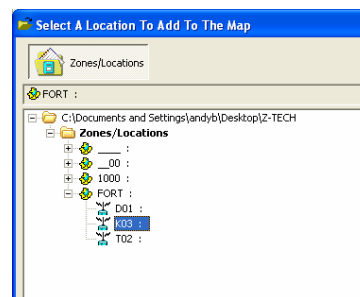
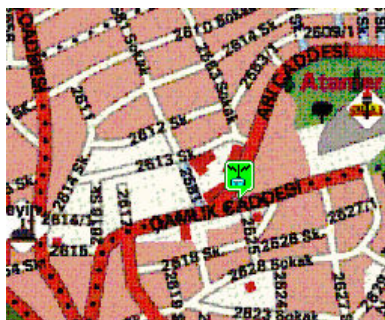
Put the map into Configuration Mode (Page 9)



Right click your mouse where the logger is located on your map.

Select “Add Location to Map”

Now select the logger from the database. Double click on the logger, and it will be placed onto the map



Remember to save any changes when you have finished.



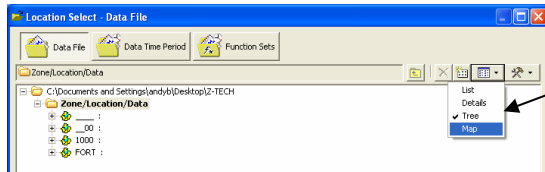
Halma Water Management

Set Up Maps

## View Data From Map

Open Radwin View

Click Open Data File



Click this drop down menu and then select Map

Click the + Link In icons to locate the correct map and logger with data you wish to view.

Double click on the logger icon and you will see it's data files which can be opened in the usual way.