

Radio Mobile



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I am not the Author of this spectacular software, I have just provided an installer and additional data to enable you to quickly obtain a working network to explore the program features, and modify to your own requirements...

Ian D Brown, G3TVU.



Radio Mobile



by Roger Coudé, VE2DBE.

<http://www.ve2dbe.com/english1.html>

Radio Mobile is a **Free Radio Propagation simulation program** which operates over the frequency range of 20MHz to 20GHz. It is based on the ITS (Longley-Rice) propagation model.

The program enables elevation maps to be drawn of specified areas using downloaded SRTM data from the Space Shuttle Radar Terrain Mapping Mission, elevation contours and road maps to be added, and Radio Units (stations) specified for performance and placed where required.

Individual Radio Unit performance is specified as a Radio Operating 'System' for power, sensitivity, antenna parameters etc. and all 'Radio Links' between Units can be examined for path profile and signal parameters.

Signal coverage patterns can be produced for each separate Radio Unit if required. The 'Best Sites' to provide radio coverage to a number of specified Radio Unit locations can also be found.

The performance of a Radio Unit which is traversing a defined Route on the map can also be generated by the '[Route Radio Coverage](#)' feature. It is also possible to use the 'Route' waypoint data with the 'Best Sites' feature, to find the best locations to provide full Route radio coverage.

The 'Best Unit' from a defined selection of Units which gives the maximum signal level at a specific location may also be plotted, whilst the Radio coverage from a selected number of Units is also available. The sum of all signals from multiple Units at each location may also be plotted if required.

[Click here for my](#)

[Radio Mobile 'Quick Start' Installation](#)

[Program and Setup Guide page.](#)

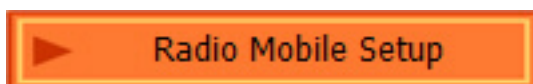
UPDATED *with New Version 10.0.4*

This is the latest English Language version!

But is now available in 10 languages - see the Setup Guide for information.

For UK Amateurs, see the [NGR datum converter](#).

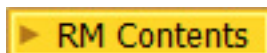
[Click here for my](#)



[Installation program](#)

But first download Visual Basic Runtime (SP6) from Microsoft [here](#). This has to be installed on your machine by a double click on the file name after downloading, before any other files are installed.

[For a quick description of all my page Contents click here](#)



and for an overview, see '[An Introduction to Radio Mobile](#)' from Radio Communication.

Many new features have been added to the program since 2003. These enable much faster evaluations of radio networks and scenarios to be tested before trying out on the ground.


Practical Performance:

April 2006 - Site testing of locations generated by 'Find Best Sites' utilising the Waypoints used in the Route Radio Coverage feature, showed an incredible consistency with the predicted performance! This was confirmed during the two events covered by these UHF Repeater sites in April and May.

For a 'walk through' of the installation pane sequence,

[click here to visit the 'Installation' page.](#)


The following two articles were published in Radio Communication, but please note the Copyright conditions!

 **Introduction to Radio Mobile**

1180kB *'A general introduction to Radio Mobile.*

pdf'

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 **RM applied to Fox Hunts**

133kB *'The Application of Radio Mobile to Fox*

Hunts.pdf'

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[Click here for Radio Mobile 'Screenshots'](#)

from my 'Base' Network.

[Click here for the 'Walk Best Site' screenshots page.](#)

Improved Communications for an 18 mile Charity Walk.

[Click here for my 'Route Radio Coverage' page.](#)

View all the Radio Mobile page contents

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NEW!

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NEW!

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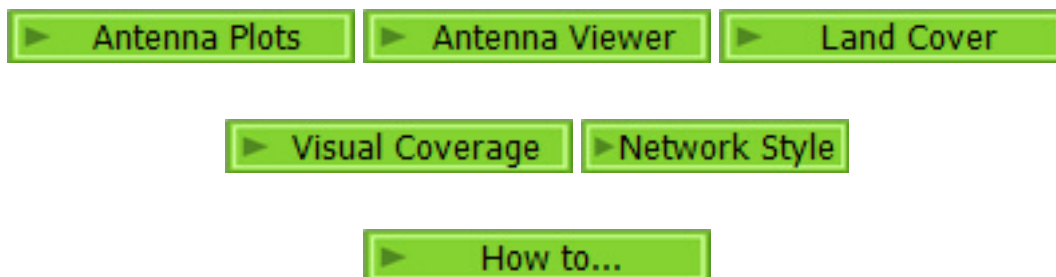
▶ Object Editor

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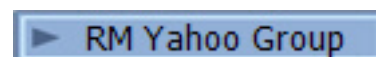


The above RM web pages are available in .pdf format on the individual pages

or from here:-



For more information, join the Radio Mobile Yahoo Group



This page is available in .pdf format here.

You are Visitor Number



since June 2003.

