

# 1:25 000 Scale Colour Raster User guide



[www.ordnancesurvey.co.uk](http://www.ordnancesurvey.co.uk)

## Preface

This user guide contains information on the technical specification and product specification for 1:25 000 Scale Colour Raster. It is designed to help you understand how to use the 1:25 000 Scale Colour Raster.

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This user guide is provided for guidance only. It is not intended to be a contractual warranty or obligation except as set out in the agreement with Ordnance Survey under which 1:25 000 Scale Colour Raster is made available to you. It is your responsibility to ensure that 1:25 000 Scale Colour Raster is suitable for your intended purpose. You should not rely on this user guide in any way and Ordnance Survey accepts no liability for such reliance. Information in this user guide is subject to change without notice. No part of this user guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, for commercial exploitation without the express written permission of Ordnance Survey. No part of this user guide may be copied or incorporated in products, services or publications that you generate for onward sale or as free promotional or support material without the express written permission of Ordnance Survey.

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# Chapter 1 Introduction

Complete national coverage of the 1:25 000 Scale Colour Raster dataset will be launched at the end of April 2003. Early editions of England and Wales were made available in November 2002. The 1:25 000 Scale Colour Raster data product mirrors the popular Explorer™ map series. It can provide the ideal mapping backdrop upon which to overlay business information. 1:25 000 Scale Colour Raster's backdrop can then be overlaid with other Ordnance Survey vector products or a customer's own geographical/business data, besides being a useful background map in its own right. As 1:25 000 Scale Colour Raster is aimed at professional/business markets, its graphic specification can provide assistance with:

- Environmental applications
- Construction
- Engineering
- Planning and licence applications
- Farm/estate/property management
- Real estate

Screen images can be plotted to produce a high-quality map.

## Chapter 2 Technical specification

<b>Specification</b>	<b>1: 25 000 Scale Colour Raster</b>
Data source	Explorer production data
Number of tiles in Great Britain	2 860 <ul style="list-style-type: none"><li>• England 1 508</li><li>• Wales 289</li><li>• Scotland 1 128</li></ul>
Tile size	10 km by 10 km
Availability	England and Wales. Scotland and national coverage will be launched at the end of April 2003.
Resolution	254 dots per inch = 100 pixels per cm.
Data structure	Raster
Transfer format	TIFF 8 bit compressed (LZW*) and TIFF packbit compressed. * see <a href="#">Georeferencing in chapter 3</a> .
Storage volume per tile	Uncompressed: 60 Mb Compressed: 3 Mb–15 Mb
Greyscale	A high-quality alternative to colour raster data is to use a GIS to convert data to a greyscale format.

## Chapter 3 Managing 1:25 000 Scale Colour Raster files

### Georeferencing

Georeferencing files allow tiles of map data to be located in their correct geographical position when loaded into a geographical information system (GIS). This is achieved by loading in files alongside the data files that contain the Ordnance Survey National Grid corner coordinates for each 10 km by 10 km tile. This is especially useful if more than one tile of data is being loaded at once, as it allows for a true geographical depiction of the data.

When 1:25 000 Scale Colour Raster is supplied to customers, it is not georeferenced in any way. The implications of this are that 1:25 000 Scale Colour Raster tiles will not be set up in geographical relationship to each other loaded into a GIS. TIFF World Files (TFW) can be downloaded from the 1:25 000 Scale Colour Raster web pages on our web site [www.ordnancesurvey.co.uk/](http://www.ordnancesurvey.co.uk/). These can be used to georeference 1:25 000 Scale Colour Raster in ESRI® ArcView® and ArcInfo®, and TAB files for use with MapInfo® are also available.

If you use LZW compressed formats, you may have to pay a licence fee for such usage in a GIS. Some software suppliers license LZW software for use in their products; others expect the end-user to license LZW software separately by buying a plug-in. Guidance on the UNISYS® licence is available on the UNISYS web site at: [www.unisys.com/about\\_\\_unisys/lzw/](http://www.unisys.com/about__unisys/lzw/).

### Back-up of 1:25 000 Scale Colour Raster

You are advised to copy the supplied data to a back-up storage medium.

## Chapter 4 Product specification

Ordnance Survey's 1:25 000 Scale Colour Raster product is derived entirely from the source data used to create its graphic counterpart, Explorer. It is identical to Explorer in all detail. This data product is supplied as 10 km by 10 km tiles, and is available as colour. It benefits from increased clarity and accuracy of detail, which has enabled the production of an edgematched\* database.

*\* Major communication map features (motorways, A roads, railways, major rivers) that occur at the edge of tiles are adjusted to align with their correspondent part on the adjacent tile. This means that when these features fall over two or more tiles the picture is complete or edgematched.*

### Tiles

Because digital maps frequently cover very large areas, they are split down into *squares* known as tiles, each of which covers part of the overall area.

### Product performance

If you have any problems with or identify any errors in this data product, or this user guide, please complete the product performance report form at [appendix A](#) and return it to us.

The product specification was created in July 2002.



## Appendix A Product and service performance report form

Ordnance Survey welcomes feedback from its customers about 1:25 000 Scale Colour Raster.

If you would like to share your thoughts with us, please use the form below and return it to Ordnance Survey at the address below.

Your name: ..... Phone: .....

Organisation: ..... Fax: .....

Address: ..... Email: .....

.....

..... Quotation or order reference: .....

Postcode: .....

Please record your comments or feedback in the space below.

We will acknowledge receipt of your form within 3 working days and provide you with a full reply or a status report within 21 working days.

If you are posting this form, please send it to:

1:25 000 Scale Colour Raster Brand Manager, Ordnance Survey,  
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