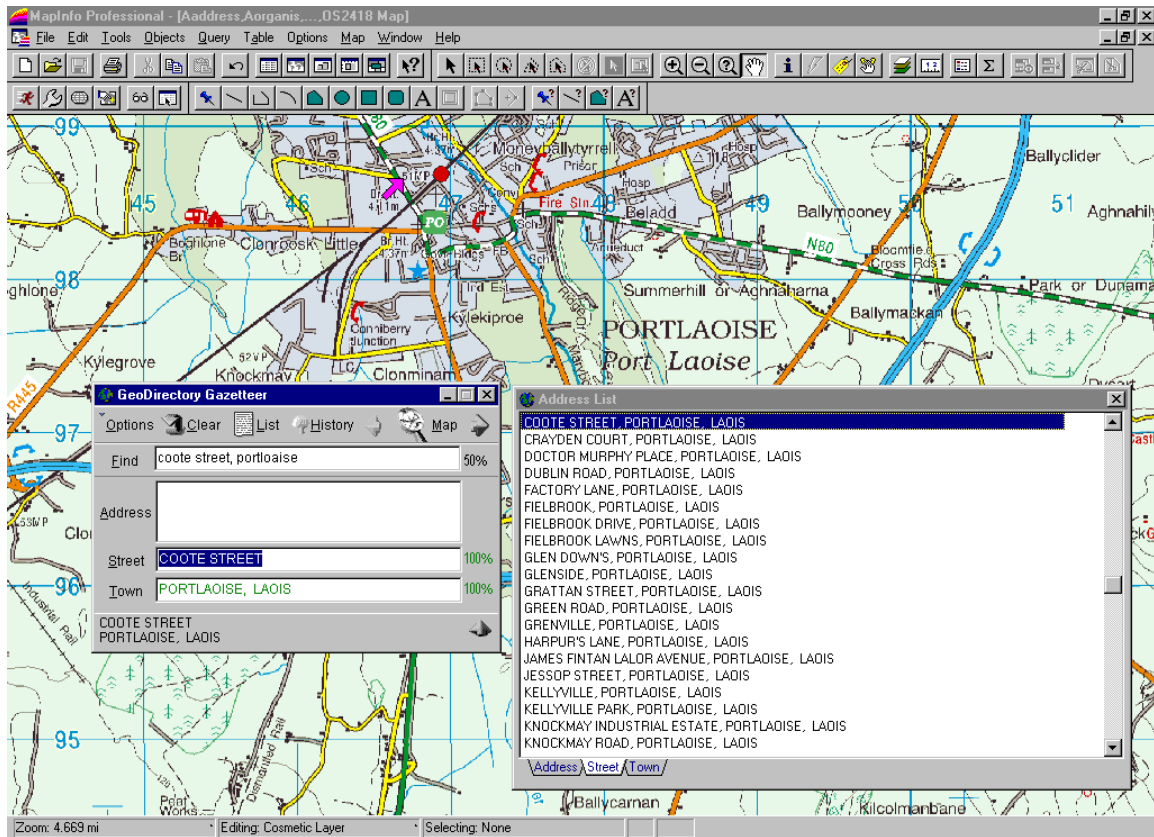


# GeoLocator



**GeoLocator** is a fast and intuitive application for finding and matching addresses within an address database. The program was developed for use within GeoDirectory, which is a standardised database containing the geographic location (x, y co-ordinates) and the exact postal address for every home and business in Ireland. **GeoLocator** incorporates comprehensive geocoding (adding an x, y co-ordinate to an address) and address finding/matching/verification functionality.

## Who should use GeoLocator?

Any organisation that has or uses address databases will greatly benefit from **GeoLocator** and an address database (e.g. GeoDirectory) as a means to identify homes, businesses, potential customers on a map, clean up, simplify data and share address databases throughout an organisation.

## GeoLocator Functionality?

### Address Finding, Verification or Matching

**GeoLocator** incorporates Address-Point Gazetteer, which is a highly intuitive program that will find, verify or match an address. Address Point Gazetteer was developed by Aligned Assets for Dotted Eyes.

**GeoLocator** incorporates the following functionality:

- Soundex Matching - A set of rules in the search process to accommodate spelling variations in words that sound alike (e.g. Lee, Lea and Ley).
- Street Name Snippet – A set of rules used in the search process to determine whether part of an address is a street name by identifying that last word e.g. road, street, avenue.
- Case insensitive – does not differentiate between capital letters and lower case letters.
- Ignores spaces immediately after commas.
- Configure the search process to suit a wide range of address styles.

### Geocoding with GeoLocator

Use **GeoLocator** to create points from an existing file of addresses. In the absence of a standard format for the way address databases are organised, geocoding systems cannot generally create points for 100% of address records without human intervention. Geocoder within the GeoDirectory Gazetteer uses cutting edge geocoding algorithms to match addresses to GeoDirectory.

- Geocoding in automatic mode - runs the search process on all ungeocoded records and skips any for which it cannot find an unambiguous match.
- Geocoding in interactive mode - a list of possible matches are displayed.
- When searching in interactive mode, filtered lists of the GeoDirectory data can be used – view address, street, town etc.
- Use the Map window to centre a suitable map on any address, as an aid to picking the most likely match.
- Soundex Matching – Uses a set of rules in the search process to accommodate spelling variations in words that sound alike (e.g. Lee, Lea and Ley).
- While geocoding, each record in the existing file of addresses may optionally be tagged with a Result Field which indicates the method used by the program to match that record to the GeoDirectory data set, and also a Return Field which may contain any element from the matched GeoDirectory record.
- The configuration outline can be changed to suit various different address styles.

## GeoLocator - Technical Specification

**GeoLocator** is a Windows application, which can be run:

- on its own (from File Manager or Explorer),
- in parallel with MapInfo or any desktop mapping application,
- with web GIS.

The GeoDirectory Gazetteer and Geocoder is available only as a 32-bit application, which requires Windows 95/98 or NT, with MapInfo Professional v4.0 or above.

## About GeoDirectory

GeoDirectory which was developed by Ordnance Survey Ireland (OSI) and An Post (Ireland's Post Office) provides a comprehensive directory of all buildings in Ireland. It includes all residential addresses and a database of business names and addresses for each building in Ireland. Every building has a unique GeoCode, which enables the property to be located on the Irish National Grid and displayed on a map.