pitney bowes

World StreetPro

2017

Product Guide

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1 – Product Overview

This product guide contains details of Pitney Bowes intermediate level mapping solution - World StreetPro.

In this chapter

Features

World StreetPro is an intermediate level (nominally 1:500,000 scale) digital map base for graphic output, and backdrop mapping. It includes roads, railways, international and administrative boundaries, urban areas, coastlines, waterbodies, land cover, gazetteers and more. World StreetPro can be used seamlessly with other parts of the Pitney Bowes' Data portfolio to achieve robust solutions.

MapInfo Professional Workspace

World StreetPro is supplied with pre-configured workspaces optimised to display the data in a globally consistent manner. This allows users to get started quickly when using the data with MapInfo Professional.

World StreetPro (Zoom Setting: 1000 miles)

World StreetPro (Zoom Setting: 500 miles)

ⓘ If you do not purchase updates, your database may cease to reflect the current features.

Spectrum Spatial (MapXtreme) Workspace

World StreetPro is also supplied with pre-configured MapXtreme workspace (MWS) file so it can be utilised for vector mapping or raster tile generation in the Pitney Bowes Spectrum platform".

The Workspace has been optimized to enable raster tile generation within Spectrum Spatial; focusing on both tile rendering, speed and representation of key geographical features at appropriate scale within the map view. This allow users to overlay their data providing geographical context and insight into what's important to them.

World StreetPro (Zoom Setting: 1000 miles)

ⓘ Beta release of Spectrum-Spatial enabled workspace with current delivery.

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2 – Getting Started

This chapter provides useful information to get you started with World StreetPro. You will find file structures, installation instructions, information about workspaces and project files, procedures for opening feature layers, and spatial referencing tables.

In this chapter

Compatible Software

World StreetPro is optimised to work with MapInfo Professional, MapXtreme and Spectrum Spatial Software.

File Names

The file sets in World StreetPro contain four different file types. Refer to the table below:

File Types	
.dat	Data file
.id	Identification file
.map	Map file
.tab	Tabular file

The following table shows an example of a complete file set.

Example File Set
ferries.dat
ferries.id
ferries.map
ferries.tab

To use the data correctly, you must have access to all of the files in the file set, and all the files for each file set must be located in the same directory. For a list of file names, please see the section File Names and Workspace Aliases in Chapter 3 on page 14.

Installing World StreetPro

For installation, the data is usually supplied as downloadable zip files.

We recommend that the data is installed into a data directory separate from any program or application directories.

Proceed as follows to install the World StreetPro:

1. Download and unzip the data to a directory on your computer. Run the **setup.exe** file.
2. Once the Welcome screen is displayed, click **Next** to continue.

3. Read the License Agreement, and, provided only that you accept all the terms and conditions, click "**I accept the agreement**", followed by **Next**.
4. Either accept the default destination location or click **Browse** to select a different folder (which must be on a local drive).
5. Click the **Install** button if you wish to proceed. Otherwise, click **Back** to change the folder, before proceeding.
6. Allow the installer to finish running. Once the installation is complete, you will be prompted to click **Finish**, in order to exit Setup. There is no need to restart the computer.

Opening World StreetPro in MapInfo Professional

To open and display your World StreetPro maps in MapInfo Professional, do one of the following:

- Use File > Open and select files of type MapInfo (*.tab) to open tables individually.

Or

- Use File > Open, select files of type Workspace (*.wor and .mws), and open the required workspace - the multiple tables associated with the selected workspace are opened automatically.

Using Workspaces

To help users get up and running quickly, Pitney Bowes provide workspace files that are optimized to show the data at multiple zoom levels. For information about overriding the details, please refer Chapter 4 Mapping Basics using MapInfo Professional.

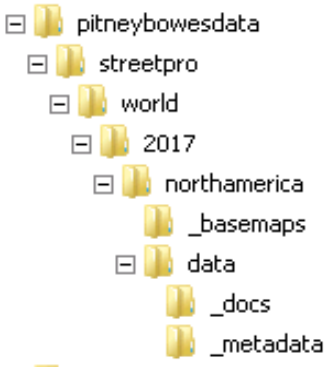
Where supplied, these workspaces use the following naming conventions: WOR files for use with MapInfo Professional (**wsp_continent-name*.wor**), or MWS files for use with Mapxtreme and Spectrum Spatial (**wsp_continent-name*.mws**).

*continent-name: Africa, Asia, Europe, North America or South America.

Installation Structure (Collapsed)

Following installation, the directory structure shown overleaf should have been automatically created in the selected location.

...pitneybowesdata\streetpro\world\year\continentname



_basemaps folder contains:

- World and Ocean tables
- Marine Labels
- miCodemaster table

data folder contains:

- MapInfo Professional 15.x (*.wor)
- Spectrum Spatial (*.mws)
- Data layers

_docs folder contains:

- World StreetPro Stub PDF (Contains a link for the Product Guide and Release Notes)
- License Document

_metadata folder contains:

- Metadata xml and Stylesheet

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3 – Data & Table Descriptions

This chapter provides information on the feature layers included with World StreetPro, including spatial referencing, file names, display characteristics, table structure, and feature codes.

In this chapter

Default Spatial Referencing

By default, the World StreetPro database uses the projection and coordinates listed in the table below. For more information about spatial referencing, please refer to Chapter 4 Mapping Basics using MapInfo Professional.

Coordinate System	Longitude/Latitude (WGS84)
Coordinate Units	Decimal degrees
Projection	Longitude/Latitude

File Names and Workspace Aliases

The table below contains the file names and workspace aliases for each table in World StreetPro. Information about the display characteristics and table structure of each layer is available in the following section under each table's folder. To access this information directly from this table, click the table name. The tables are listed in alphabetical order.

Table Name	Workspace Alias	Table Description
admin_a0_xx.*	Admin_Level0	Administrative Level 0 Boundaries
admin_a1_xx.*	Admin_Level1	Administrative Level 1 Boundaries
admin_a2_xx.*	Admin_Level2	Administrative Level 2 Boundaries
services_xx.*	Services	Airports, Ferry and Stations points
capital_city_xx.*	Capital_City	Capital Cities
ferries_xx.*	Ferries	Ferries
landuse_xx.*	Land Use	Land Use (includes park only)
major_city_xx.*	Major_City	Major Cities
major_town_xx.*	Major_Town	Major Towns
waterbodies_xx.*	Waterbodies	Major Waterbodies (includes Lakes and Rivers)
_basemaps\ocean.*	Ocean	Ocean
railways_xx.*	Railways	Railways

street_s1_xx.*	Street_Level1	Street Network - Motorways
street_s2_xx.*	Street_Level2	Streets Network - Main Roads
street_s3_xx.*	Street_Level3	Street Network - Other Major Roads
town_xx.*	Town	Towns
urban_xx.*	Urban	Urban Areas
_basemaps\wrlda0.*	World	World Layer

Note:
* refers to all layer files (dat, id, map and tab)
xx represents continent name (for country specific data cuts, xx is replaced by ISO3 counrtry code)

For the global product "xx" would be written as same with the table name, it would not be replaced by any continent code. Where the product is supplied at continent level the "xx" represents the relevant 2 letter continent code viz. af (Africa); as (Asia); eu (Europe) – Split into *_e1 (Eastern Europe) and *_e2 (Western Europe); am (America); na (North America); sa (South America).

World StreetPro Mapping Contents

World StreetPro contains the feature layers listed below. Information about each layer is available in the sections that follow the list, where the tables are organised by the continent folders into which they are grouped on the product media. To access the accompanying information directly from the list below, click the hyperlink following the appropriate bullet:

- Administrative Boundaries Ferry Routes (ferries_xx.*)
- Gazetteer Layers
- Railways (railways_xx.*)
- Services (services_xx.*)
- Street Layers (street_level1_xx.* - street_level3_xx.*)
- Urban Areas (urban_xx.*)

Display Characteristics and Table Structure

This section contains technical information about the display characteristics and table structure of each feature layer.

Administrative Boundaries

The Administrative Layers represents the administrative geography used by each country.

Administrative 0 admin_a0_xx.*

The admin_a0 layer contains the national or international boundaries.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
50010100	Admin Level 0 boundaries (Country)		Brush (1, 0, 16777215)! Pen (15, 2, 11381932)

Administrative 1 admin_a1_xx.*

The admin_a1 represents State or its equivalent boundaries.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
50010101	Admin Level 1 boundaries		Brush (1, 0, 16777215)! Pen (15, 2, 11381932)

Administrative 2 admin_a2_xx.*

The admin_a2 contains Counties or its equivalent boundaries of the countrty.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
50010102	Admin Level 2 boundaries		Brush (1, 0, 16777215)! Pen (1, 7, 15987181)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Ferry Routes (ferries_xx.*)

The Ferry Routes table contains ferry connections classified by mode of operation.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
70010100	Ferry, operated by ship/hovercraft		Pen (1,9,4227327)
70020100	Ferry, operated by train		Pen (1,9,0)
70010110	Vehicular Ferry		Pen (1,9,4227327)
70010120	Passenger Ferry		Pen (1,9,4227327)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Gazetteer Layers

The gazetteer layers contain points for country capitals through to towns.

Capital City

capital_city_xx.*

Display Characteristics

miCode	Feature	Style	Graphic Object Details
80010200	Capital Cities		Symbol (61,13697024,10,"MapInfo Cartographic",256,0)

Major City

major_city_xx.*

Display Characteristics

miCode	Feature	Style	Graphic Object Details
80020101	Major City		Symbol (47,0,9,"MapInfo Cartographic",256,0)

Major Town

major_town_xx.*

Display Characteristics

miCode	Feature	Style	Graphic Object Details
80020102	City or major town		Symbol (46,0,7,"MapInfo Cartographic",256,0)

Town

town_xx.*

Display Characteristics

miCode	Feature	Style	Graphic Object Details
80020103	Town Symbol		Symbol (34, 16777215, 6)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Landuse (landuse_xx.*)

The land use table contains region objects representing city parks, national and regional parks.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
60010110	Regional Park		Brush (2, 11592127)! Pen (1, 2, 11592127)
60010111	National Park		Brush (2, 11592127)! Pen (1, 2, 11592127)
60010112	State or Province Park		Brush (2, 11592127)! Pen (1, 2, 11592127)
60010113	County Park		Brush (2, 11592127)! Pen (1, 2, 11592127)
60010120	National / Regional Marine Park		Brush (2, 11592127)! Pen (1, 2, 11592127)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (150)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (150)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)
Feature Description	Feature type description	Char (50)
Category	Feature category defined for spectrum spatial thematic	Char (50)

Field	Description	Type (Width)
Importance	Feature category importance – Major/Medium/Minor/Not Applicable	Integer

Railways (railways_xx.*)

The Railways table contains railway lines.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
40010100	Railway Line		Pen (1, 27, 8421504)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Services (services_xx.*)

The services layer contains airport locations, railway stations (national/ regional) and ferry stations.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
10310101	Airport Public		Symbol(72,4474083,14,"MapInfo Real Estate",257,0)
10320101	Ferry Terminal ship/hovercraft		Symbol (98,22015,14,"MapInfo Transportation",256,0)
10320102	Ferry Terminal Train		Symbol (109,132,16,"MapInfo Transportation",256,0)
10320202	Railway station, International		Symbol (110,6316128,18,"MapInfo Transportation",256,0)
10320203	Railway station, National		Symbol (110,6316128,18,"MapInfo Transportation",256,0)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)
Category	Feature Category Description	Char (50)
SubCategory	Feature Sub- Category Description	Char (100)

Street Layers (street_level1_xx.* - street_level3_xx.*)

The street layers contain motorways, major, minor and secondary roads. Roads of major network importance are held in the Street 1 layer, with subsequent layers containing streets in decreasing order of importance.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
20010100	Motorways		Pen (25, 2, 13794428)
20020100	Main Roads		Pen (25, 2, 8762781)
20030100	Other Major Roads		Pen (25, 2, 8762781)

Table Structure

Field	Description	Type (Width)
Road_No	Road number	Character (15)
Road_Name	Name of feature	Character (100)

Field	Description	Type (Width)
Road_Nm_Lng	ISO 3 Character Language code	Character (3)
miCode	PB Feature Code	Integer
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Urban Areas (urban_xx.*)

The Urban Areas table contains region objects that represent majour built-up areas.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
50040200	Urban Centers		Brush (2, 14737632,16777215)! Pen (1, 2, 14737632)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)

Waterbodies (waterbodies_xx.*)

The Waterbodies table contains region objects that represent rivers and lakes.

Display Characteristics

miCode	Feature	Style	Graphic Object Details
30030100	Water feature, lake		Brush(2,11130623,16777215)! Pen(1,2,11130623)
30030302	Water feature, rivers		Brush(2,11130623,16777215)! Pen(1,2,11130623)
30050800	Water Intermittent waterbodies		Brush(2,11130623,16777215)! Pen(1,2,11130623)

Table Structure

Field	Description	Type (Width)
Name	Name of Feature	Char (100)
Name_Lng	ISO 3 Character Language code	Char (3)
miCode	PB Feature Code	Integer
SmartLabel	Same as Name with added carriage returns	Char (100)
FeatureID	Unique Feature Identifier	Decimal (17,0)
ISO3	Three letter Country Code defined in ISO 3166-1	Char (3)
Country	Name of country	Char (50)
Display_Class	Water Display Class (Class 1 [Highest] and 2 [Lowest])	Char (50)
Display_Type	Water Feature Type (Rivers; Lake; Others Waterbodies)	Integer
Feature_Desc	Feature Category Description	Char (50)

4 – Mapping Basics using MapInfo Professional

This chapter provides instructions on several basic tasks that you are likely to perform with World StreetPro data, including managing layers in a workspace, changing display styles, labelling features, finding information, and setting spatial referencing.

ⓘ These topics are covered in more detail in the MapInfo Professional documentation set. **This Chapter is not updated frequently.** For **complete and updated information**, refer the **MapInfo Professional Documentation**.

In this chapter

Managing World StreetPro Tables using Layer Control

In Chapter 2 Getting Started, we explained how to open multiple tables automatically in workspaces. Each table opens in the workspace as a separate layer in the map window. For example, motorways are displayed in a layer called **street_s1_xx**, and point object railway stations are displayed in a layer called **services_xx**.

Each layer is displayed with preset label, zoom and display settings. You can use **Layer Control** (**Explorer** if MapInfo Professional 64 bit is installed) to override the predetermined settings and control other aspects of the workspace, for example to:

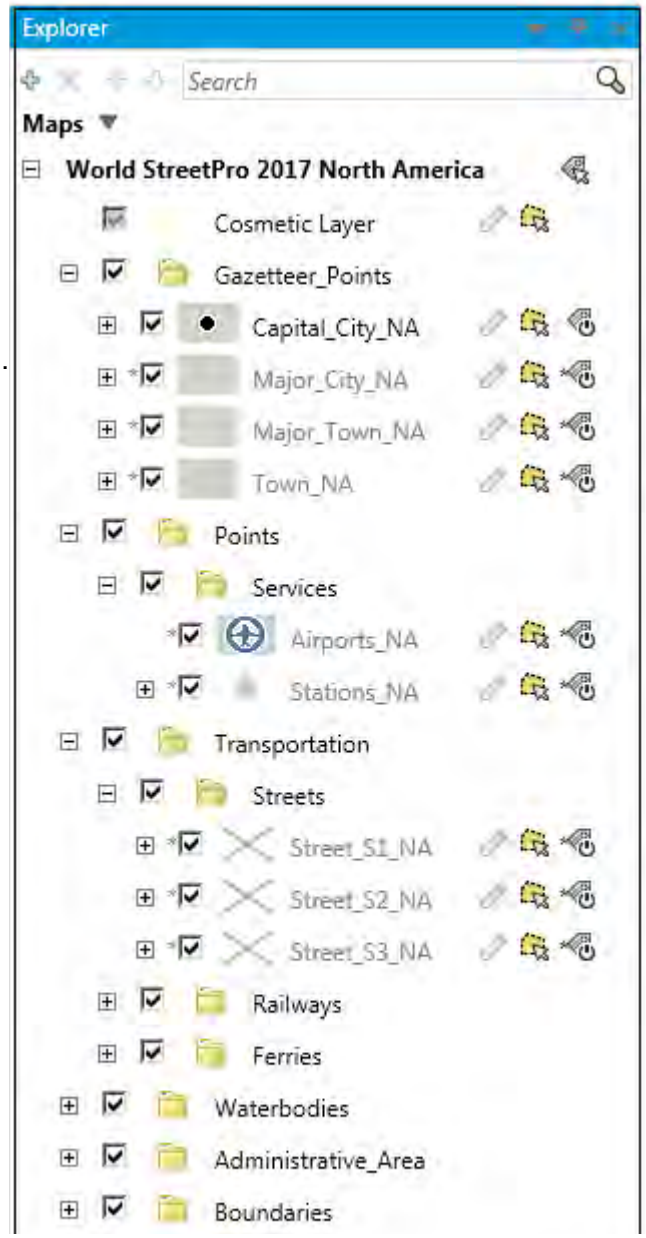
- Remove layers from the map window without closing the tables;
- Add layers to the map window;
- Change how the layers look while they are displayed in the map window;
- Set the labeling conditions for each layer;
- Set whether a layer is visible, editable, selectable, or labelled;
- Set the zoom level so that local features are displayed only when you are close enough to see the detail;
- Re-order the layers to hide or expose other map features.

Opening the Layer Control Dialog

Access the **Layer Control** dialog by doing one of the following:

- Select **Map > Layer Control** (**Explorer** if MapInfo Professional 64 bit is installed) from the MapInfo Professional menu bar.
- Right-click in a map window and choose **Layer Control** from the popup menu.
- Click the **Layer Control** button  on the **Main** toolbar.

The following dialog is displayed:

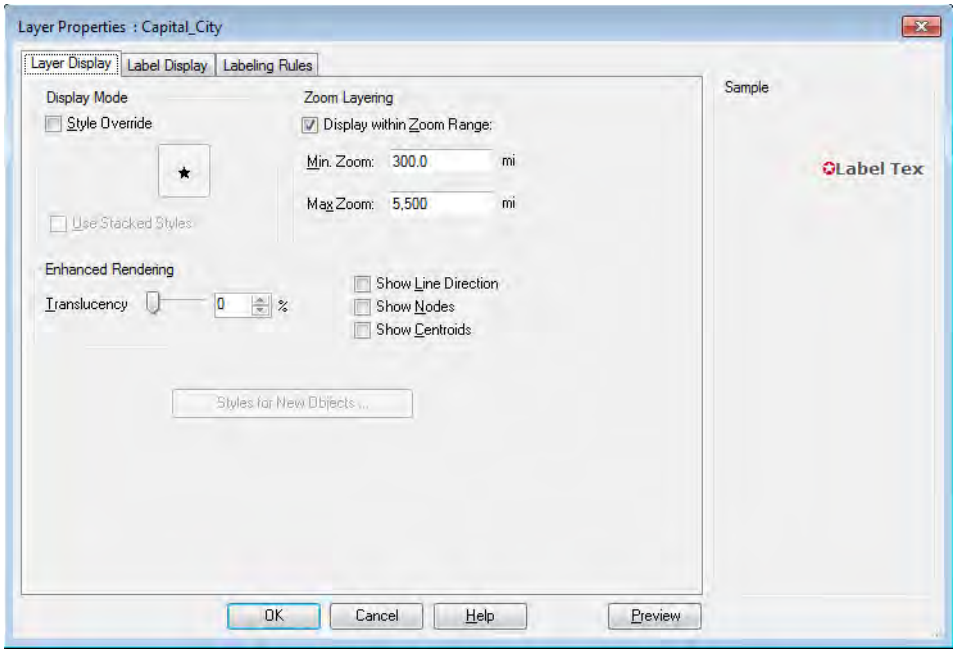


ⓘ For detailed information about how to use **Layer Control**, please see the MapInfo Professional documentation set. Information about using **Layer Control** to change display styles and features follows in this chapter.

Changing the Display Style of a Map Layer

Whether you have opened a layer individually or in a workspace, you can temporarily change its display settings using the **Layer Control** (**Explorer** if MapInfo Professional 64 bit is installed) dialog:

1. Proceed as in Opening the Layer Control Dialog on page 27.
2. Click on the layer you want to change in order to highlight it.
3. Click the **Display** button to bring up the **Display Options** dialog:



4. Make any changes to the settings in the **Zoom Layering** panel.
5. Select the **Style Override** check box to activate the map feature display button.
6. Click the map feature display button. The **Symbol Style** dialog is displayed.
7. Make any changes to the settings in the style dialog.
8. Click **OK** to return to the **Display Options** dialog.
9. Click **OK** to return to the **Layer Control** dialog. Click **OK** again to return to the map window.
10. The map window is redrawn, displaying your changes.

Labelling Features and Changing Label Settings

You can label features one at a time using the MapInfo Professional **Label** tool  . By default, MapInfo Professional labels the topmost feature, but you can label other features by holding down the **Ctrl** key while you click.

To label an entire layer at once, use **Layer Control**. To do this, follow the instructions below.

1. Proceed as in Opening the Layer Control Dialog on page 27.
2. Click the **Label** check box next to the layer that you wish to label.
3. Click **OK**.

   The map window is redrawn, displaying labels for the features in the layer that you chose to label.

Changing Label Settings

MapInfo Professional's **Label** feature starts with preset characteristics. To alter these settings, follow the instructions below.

1. Proceed as in Opening the Layer Control Dialog on page 27.
2. Click on the layer you want to change. It is highlighted.
3. Click the **Label** button. The **Label Options** dialog is displayed.
4. Make the desired changes and click **OK** to return to the **Layer Control** dialog.
5. Ensure that the label box is checked if you want to automatically label the entire layer.
6. Click **OK**.

   The map window is redrawn, displaying labels for the features in the layer that you chose to label.

ⓘ To change the attributes of a single label, double-click it using the MapInfo Professional **Select** tool. The **Label Style** dialog appears. Make the necessary changes and click **OK**.

Saving Labels and Label Settings

To save the labels and label settings, select **File > Save Workspace**. The labels and any other changes you may have made will be saved collectively as a workspace.

Finding Information

Another basic advantage of using maps with World StreetPro is the ability to find information about a feature.

The easiest way to do this is to click on the feature using the Information tool 

- information about every map object at that point is displayed in the **Information Tool** window.

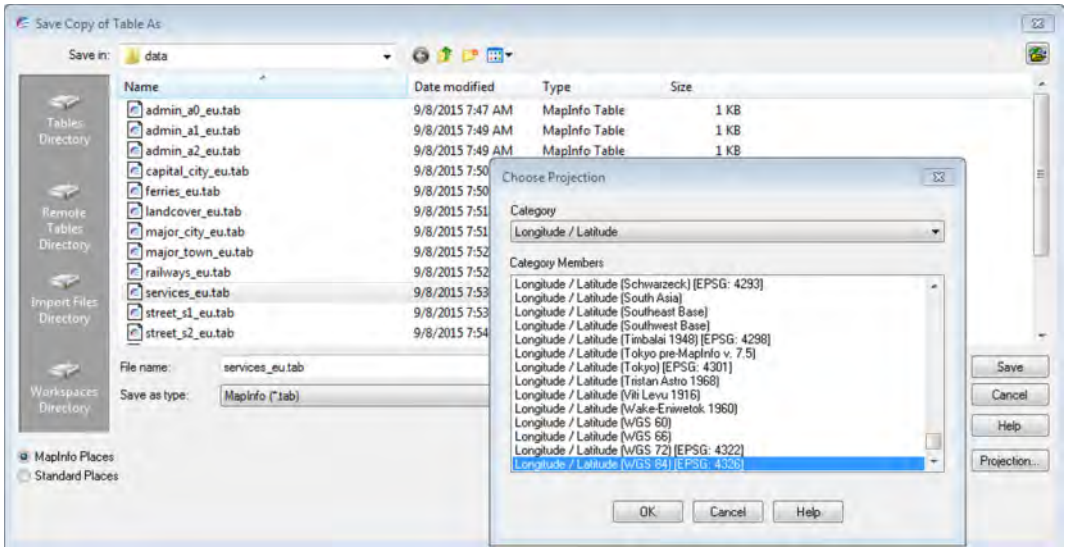
ⓘ If there is more than one object listed in the window, click on the name of the feature in the window to view all the information associated with the object.

Setting Spatial Referencing

The map layers in World StreetPro come with the preset spatial referencing detailed in Chapter 3 Data & Table Descriptions.

You may change this spatial referencing to match the spatial referencing system of your own data. To do this, follow the instructions below.

1. Open a World StreetPro table or workspace in MapInfo Professional.
2. Select **File > Save Copy As**, to bring up the **Save Copy As** dialog.
3. Choose the table for which you want to change the projection and click the **Save As** button. The **Save Copy of Table As** dialog is displayed.
4. Either choose a new name and/or directory for the table, or leave the table name and directory the same to overwrite the table with a new projection.
5. Click the Projection button. The following dialog appears.



6. Choose a new **Category** and then select a **Category Member**.
7. Click **OK**. You are returned to the previous dialog.
8. Click **Save**.

   Your map is redrawn showing the new spatial referencing settings. The changes are permanently saved to the table.

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5 – Editing World StreetPro in MapInfo Professional

With MapInfo Professional, you can change line styles, add and delete features, modify table structures, reshape streets, change names, and much more. This chapter explains how to edit World StreetPro map layers.

ⓘ These topics are covered in more detail in the MapInfo Professional documentation set. For complete and updated information, refer the MapInfo Professional documentation.

In this chapter:

Before you Start

ⓘ You can only edit one table at a time. It is a good idea to save a backup copy of your data before making any changes.

General Editing Procedures

To edit a World StreetPro map layer, follow the instructions below:

1. Proceed as in Opening the Layer Control Dialog in Chapter 4 on page 27.
2. Select the **Editable** check box (pencil icon) of the layer that you wish to modify.
3. Click **OK**.

   The **Drawing Tools** in the Toolbar become active and you are ready to make changes to the layer.

ⓘ For more information on using the editing tools, refer to your MapInfo Professional Online Help.

Changing the Fill Patterns of Boundaries

To permanently change the colour or fill pattern of a boundary:

1. Select the boundary.
2. Select **Options > Region Style**. The **Region Style** dialog is displayed.
   [Note: Select **Style** > **Region Style**, if MapInfo Professional 64 bit is installed.]
3. Scroll through the fill and colour palettes to choose the desired colour and fill.
4. Click **OK** to apply the changes.

ⓘ To change the fill pattern for the entire layer temporarily, use **Layer Control** as described in the section Changing the Display Style of a Map Layer in Chapter 4 on page 29".

Reshaping Boundaries or Streets

To reshape a boundary or street:

1. Select the object.
2. Either select **Edit > Reshape** or select the **Reshape tool** 

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   Nodes (small boxes) appear at every juncture where segments meet.
3. Move or delete existing nodes or add new nodes.

ⓘ This is particularly useful when boundaries change over time. You can update the data yourself by simply adding, moving, and deleting nodes. For more information, refer to the MapInfo Professional Online Help.

Changing Point Symbols

To change the symbols of points:

1. Select the point(s) you want to change.
2. Select **Options > Symbol Style**. The **Symbol Style** dialog is displayed.
   [Note: Select **Style** > **Symbol Style**, if MapInfo Professional 64 bit is installed.]
3. Scroll through the symbol and colour palettes and choose the desired colour and symbol.
4. Click **OK** to apply the changes.

A – Abbreviations

World StreetPro uses the three-character country codes established by International Standard ISO 3166-1: 1997. The ISO 3166-1 alpha-3 codes represent countries, dependent territories, and special areas of geographical interest. They are based on lists of country names from the United Nations and these codes are reproduced in the table overleaf.

Abbreviations

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
AF (Africa)	DZ	DZA	Algeria, People's Democratic Republic of
	AO	AGO	Angola, Republic of
	BJ	BEN	Benin, Republic of
	BW	BWA	Botswana, Republic of
	BF	BFA	Burkina Faso
	BI	BDI	Burundi, Republic of
	CM	CMR	Cameroon, Republic of
	CV	CPV	Cape Verde, Republic of
	CF	CAF	Central African Republic
	TD	TCD	Chad, Republic of
	KM	COM	Comoros, Union of the
	CD	COD	Congo, Democratic Republic of the
	CG	COG	Congo, Republic of the
	CI	CIV	Cote d'Ivoire, Republic of
	DJ	DJI	Djibouti, Republic of
	EG	EGY	Egypt, Arab Republic of
	GQ	GNQ	Equatorial Guinea, Republic of
	ER	ERI	Eritrea, State of
	ET	ETH	Ethiopia, Federal Democratic Republic of
	GA	GAB	Gabon, Gabonese Republic
	GM	GMB	Gambia, Republic of the
	GH	GHA	Ghana, Republic of
	GN	GIN	Guinea, Republic of
	GW	GNB	Guinea-Bissau, Republic of

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
AF (Africa)	KE	KEN	Kenya, Republic of
	LS	LSO	Lesotho, Kingdom of
	LR	LBR	Liberia, Republic of
	LY	LBY	Libyan Arab Jamahiriya
	MG	MDG	Madagascar, Republic of
	MW	MWI	Malawi, Republic of
	ML	MLI	Mali, Republic of
	MR	MRT	Mauritania, Islamic Republic of
	MU	MUS	Mauritius, Republic of
	YT	MYT	Mayotte
	MA	MAR	Morocco, Kingdom of
	MZ	MOZ	Mozambique, Republic of
	NA	NAM	Namibia, Republic of
	NE	NER	Niger, Republic of
	NG	NGA	Nigeria, Federal Republic of
	RE	REU	Reunion
	RW	RWA	Rwanda, Republic of
	SH	SHN	Saint Helena
	ST	STP	Sao Tome and Principe, Democratic Republicof
	SN	SEN	Senegal, Republic of
	SC	SYC	Seychelles, Republic of
	SL	SLE	Sierra Leone, Republic of
	SO	SOM	Somalia, Somali Republic
	ZA	ZAF	South Africa, Republic of
	SS	SSD	South Sudan

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
	SD	SDN	Sudan, Republic of
	SZ	SWZ	Swaziland, Kingdom of
	TZ	TZA	Tanzania, United Republic of
	TG	TGO	Togo, Togolese Republic
	TN	TUN	Tunisia, Tunisian Republic
	UG	UGA	Uganda, Republic of
	EH	ESH	Western Sahara
	ZM	ZMB	Zambia, Republic of
AF (Africa)	ZW	ZWE	Zimbabwe, Republic of
	AQ	ATA	Antarctica (the territory South of 60degS)
	BV	BVT	Bouvet Island (Bouvetoya)
	TF	ATF	French Southern Territories
	HM	HMD	Heard Island and McDonald Islands
AN (Antarctica)	GS	SGS	South Georgia and the South SandwichIslands
	AF	AFG	Afghanistan, Islamic Republic of
	AM	ARM	Armenia, Republic of
	AZ	AZE	Azerbaijan, Republic of
	BH	BHR	Bahrain, Kingdom of
	BD	BGD	Bangladesh, People's Republic of
	BT	BTN	Bhutan, Kingdom of
	IO	IOT	British Indian Ocean Territory (Chagos Archipelago)
	BN	BRN	Brunei Darussalam
	KH	KHM	Cambodia, Kingdom of
	CN	CHN	China, People's Republic of
AS (Asia)	CX	CXR	Christmas Island

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
	CC	CCK	Cocos (Keeling) Islands
	HK	HKG	Hong Kong, Special Administrative Region ofChina
	IN	IND	India, Republic of
	ID	IDN	Indonesia, Republic of
	IR	IRN	Iran, Islamic Republic of
	IQ	IRQ	Iraq, Republic of
	IL	ISR	Israel, State of
	JP	JPN	Japan
	JO	JOR	Jordan, Hashemite Kingdom of
	KZ	KAZ	Kazakhstan, Republic of
	KP	PRK	Korea, Democratic People's Republic of
	KR	KOR	Korea, Republic of
	KW	KWT	Kuwait, State of
	KG	KGZ	Kyrgyz Republic
	LA	LAO	Lao People's Democratic Republic
	LB	LBN	Lebanon, Lebanese Republic
	MO	MAC	Macao, Special Administrative Region of China
	MY	MYS	Malaysia
	MV	MDV	Maldives, Republic of
	MN	MNG	Mongolia
	MM	MMR	Myanmar, Union of
	NP	NPL	Nepal, State of
	OM	OMN	Oman, Sultanate of
	PK	PAK	Pakistan, Islamic Republic of
AS (Asia)	PS	PSE	Palestinian Territory, Occupied

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
	PH	PHL	Philippines, Republic of the
	QA	QAT	Qatar, State of
	RU	RUS	Russian Federation
	SA	SAU	Saudi Arabia, Kingdom of
	SG	SGP	Singapore, Republic of
	LK	LKA	Sri Lanka, Democratic Socialist Republic of
	SY	SYR	Syrian Arab Republic
	TW	TWN	Taiwan
	TJ	TJK	Tajikistan, Republic of
	TH	THA	Thailand, Kingdom of
	TL	TLS	Timor-Leste, Democratic Republic of
	TM	TKM	Turkmenistan
	AE	ARE	United Arab Emirates
	UZ	UZB	Uzbekistan, Republic of
	VN	VNM	Vietnam, Socialist Republic of
AS (Asia)	YE	YEM	Yemen
	AX	ALA	Â□land Islands
	AD	AND	Andorra, Principality of
	AT	AUT	Austria, Republic of
	BE	BEL	Belgium, Kingdom of
	CY	CYP	Cyprus, Republic of
	DK	DNK	Denmark, Kingdom of
	FO	FRO	Faroe Islands
	FI	FIN	Finland, Republic of
EU (Europe)	FR	FRA	France, French Republic

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
	DE	DEU	Germany, Federal Republic of
	GI	GIB	Gibraltar
	GR	GRC	Greece, Hellenic Republic
	GG	GGY	Guernsey, Bailiwick of
	VA	VAT	Holy See (Vatican City State)
	IS	ISL	Iceland, Republic of
	IE	IRL	Ireland
	IM	IMN	Isle of Man
	IT	ITA	Italy, Italian Republic
	JE	JEY	Jersey, Bailiwick of
	LI	LIE	Liechtenstein, Principality of
	LU	LUX	Luxembourg, Grand Duchy of
	MT	MLT	Malta, Republic of
	MC	MCO	Monaco, Principality of
	NL	NLD	Netherlands, Kingdom of the
	NO	NOR	Norway, Kingdom of
	PT	PRT	Portugal, Portuguese Republic
	SM	SMR	San Marino, Republic of
	ES	ESP	Spain, Kingdom of
	SJ	SJM	Svalbard & Jan Mayen Islands
	SE	SWE	Sweden, Kingdom of
	CH	CHE	Switzerland, Swiss Confederation
	TR	TUR	Turkey, Republic of
EU (Europe)	GB	GBR	United Kingdom of Great Britain &NorthernIreland
EU Europe)	AL	ALB	Albania, Republic of

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
EU (Europe)	BY	BLR	Belarus, Republic of
	BA	BIH	Bosnia and Herzegovina
	BG	BGR	Bulgaria, Republic of
	HR	HRV	Croatia, Republic of
	CZ	CZE	Czech Republic
	EE	EST	Estonia, Republic of
	GE	GEO	Georgia
	HU	HUN	Hungary, Republic of
	XK	XKS	Kosovo
	LV	LVA	Latvia, Republic of
	LT	LTU	Lithuania, Republic of
	MK	MKD	Macedonia, The Republic of
	MD	MDA	Moldova, Republic of
	ME	MNE	Montenegro, Republic of
	PL	POL	Poland, Republic of
	RO	ROU	Romania
	RS	SRB	Serbia, Republic of
	SK	SVK	Slovakia (Slovak Republic)
	SI	SVN	Slovenia, Republic of
	UA	UKR	Ukraine
NA (North America)	AI	AIA	Anguilla
	AG	ATG	Antigua and Barbuda
	AW	ABW	Aruba
	BS	BHS	Bahamas, Commonwealth of the
	BB	BRB	Barbados

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
NA (North America)	BZ	BLZ	Belize
	BM	BMU	Bermuda
	BQ	BES	Bonaire, Sint Eustatius and Saba
	VG	VGB	British Virgin Islands
	CA	CAN	Canada
	KY	CYM	Cayman Islands
	CR	CRI	Costa Rica, Republic of
	CU	CUB	Cuba, Republic of
	CW	CUW	Curaâ€¡ao
	DM	DMA	Dominica, Commonwealth of
	DO	DOM	Dominican Republic
	SV	SLV	El Salvador, Republic of
	GL	GRL	Greenland
	GD	GRD	Grenada
	GP	GLP	Guadeloupe
	GT	GTM	Guatemala, Republic of
	HT	HTI	Haiti, Republic of
	HN	HND	Honduras, Republic of
	JM	JAM	Jamaica
	MQ	MTQ	Martinique
	MX	MEX	Mexico, United Mexican States
	MS	MSR	Montserrat
	AN	ANT	Netherlands Antilles
	NI	NIC	Nicaragua, Republic of
	PA	PAN	Panama, Republic of

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
NA (North America)	PR	PRI	Puerto Rico, Commonwealth of
	BL	BLM	Saint Barthelemy
	KN	KNA	Saint Kitts and Nevis, Federation of
	LC	LCA	Saint Lucia
	MF	MAF	Saint Martin
	PM	SPM	Saint Pierre and Miquelon
	VC	VCT	Saint Vincent and the Grenadines
	SX	SXM	Sint Maarten (Netherlands)
	TT	TTO	Trinidad and Tobago, Republic of
	TC	TCA	Turks and Caicos Islands
	US	USA	United States of America
	VI	VIR	United States Virgin Islands
OC (Oceania)	AS	ASM	American Samoa
	AU	AUS	Australia, Commonwealth of
	CK	COK	Cook Islands
	FJ	FJI	Fiji, Republic of the Fiji Islands
	PF	PYF	French Polynesia
	GU	GUM	Guam
	KI	KIR	Kiribati, Republic of
	MH	MHL	Marshall Islands, Republic of the
	FM	FSM	Micronesia, Federated States of
	NR	NRU	Nauru, Republic of
	NC	NCL	New Caledonia
	NZ	NZL	New Zealand
	NU	NIU	Niue

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
	NF	NFK	Norfolk Island
	MP	MNP	Northern Mariana Islands, Commonwealth of the
	PW	PLW	Palau, Republic of
	PG	PNG	Papua New Guinea, Independent State of
	PN	PCN	Pitcairn Islands
	WS	WSM	Samoa, Independent State of
	SB	SLB	Solomon Islands
	TK	TKL	Tokelau
	TO	TON	Tonga, Kingdom of
	TV	TUV	Tuvalu
	UM	UMI	United States Minor Outlying Islands
	VU	VUT	Vanuatu, Republic of
OC (Oceania)	WF	WLF	Wallis and Futuna
	AR	ARG	Argentina, Argentine Republic
	BO	BOL	Bolivia, Republic of
	BR	BRA	Brazil, Federative Republic of
	CL	CHL	Chile, Republic of
	CO	COL	Colombia, Republic of
	EC	ECU	Ecuador, Republic of
	FK	FLK	Falkland Islands (Malvinas)
	GF	GUF	French Guiana
	GY	GUY	Guyana, Co-operative Republic of
	PY	PRY	Paraguay, Republic of
	PE	PER	Peru, Republic of
SA (South America)	SR	SUR	Suriname, Republic of

Continent Code	ISO2 Code	ISO3 Code	Country Name (in English)
SA (South America)	UY	URY	Uruguay, Eastern Republic of
	VE	VEN	Venezuela, Bolivarian Republic of