

FastAddressClient

User Guide

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Table of Contents

Introduction	v
1. Sign in to the AddressServer	1
2. Address Search	2
3. AutoComplete Search	3
4. Name Search	5
5. Change matching options	6
6. Send address fields to another application	8
6.1. Select target window	8
6.2. Target window options	9
6.3. Select output fields	9
6.4. Record keystrokes	10
6.5. Sending options	10
6.6. Change copy button text	10
7. Load and save setup files	12
8. Layout Options	13
9. Run from the command line	14
A. Additional Licences	15
A.1. libcurl	15
A.2. Other software	15

List of Figures

1.1. The sign in window	1
2.1. The Address Search Window	2
3.1. The AutoComplete Search Window	3
3.2. Address server without AutoComplete service	4
3.3. Select AutoComplete MAF	4
4.1. The Name SearchWindow	5
5.1. The matching options window	6
6.1. The sendkeys window	8

List of Tables

5.1. Options Explained	6
6.1. Output Fields	9
9.1. Command line options	14

Introduction

Welcome to FastAddressClient, the most powerful and simplest to use address and data capture tool on the market.

FastAddressClient provides an easy method for capturing addresses from an incomplete address or postcode. This greatly speeds up the process of capturing addresses while at the same time ensuring that accurate address information is stored.

FastAddressClient can also return details, keys and codes associated with an address.

1. Sign in to the AddressServer

Sign in to the AddressServer

Figure 1.1. The sign in window



Sign In

1. Click the **Settings** menu then click the **Sign In** menu item.
2. In the **Sign In** dialog, configure the AddressServer protocols and hosts, and enter your username and password.
3. Click the **Sign In** button.
4. Select the MAF you wish to use from the **MAF** list.

If you configure two hosts, reliability can be improved. FastAddressClient will automatically use the second host if the first host becomes unavailable.

If you use https, FastAddressClient will verify root certification authorities against a 'cacert.pem' file. On Windows, you don't need to do anything because FastAddressClient will generate this file automatically from the Windows Certificate Store. On other platforms, you can set an environment variable, HPW_CACERT, to specify the directory containing your cacert.pem file. If this environment variable is not set, FastAddressClient will look in the current directory for the file. If you don't have a cacert.pem file, you can obtain one here: <https://curl.haxx.se/ca/cacert.pem>



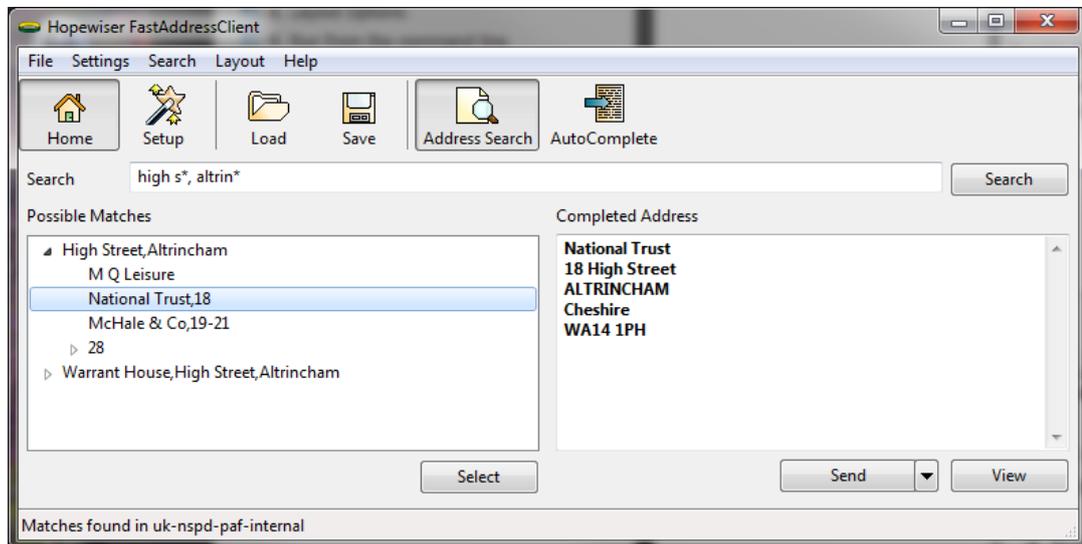
Note

Before using the AddressServer, you will have to sign up for an account.

2. Address Search

Click on the **Address Search** icon to switch to Address search mode.

Figure 2.1. The Address Search Window



1. Type a partial address or postcode into the **Search** text box and then press **Enter** or click the **Search** button.
2. A list of possible matches will be returned if more than one match is found. Select the correct address from the **Possible Matches** list.
3. A complete address will be displayed in the **Completed Address** text box.
4. Click the **Copy** button to copy the selected address label to the clipboard. The address label can then be pasted into another application.
5. FastAddressClient will return other fields related to the address. These fields can be viewed by clicking the **View** button. Please note that these fields will not be copied to the clipboard.

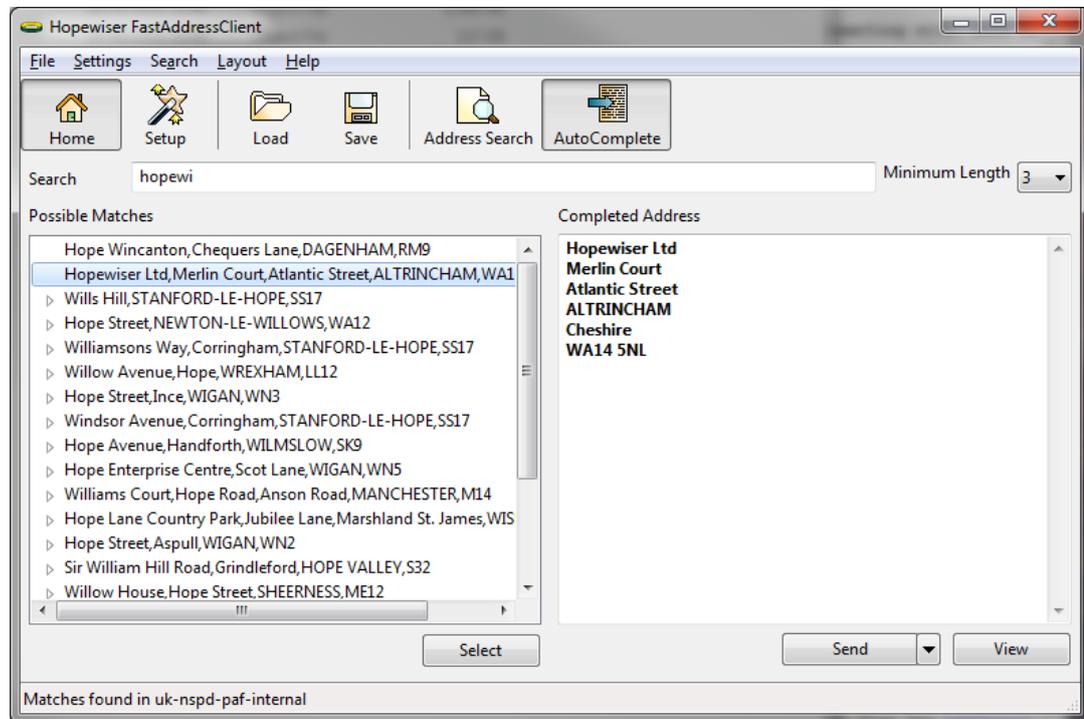
Sample inputs include:

1. high s*, altrin*
2. 10 Downing St, London
3. 10, SW1A 2AA
4. 10 Downing St
5. SW1A 2AA

3. AutoComplete Search

Click on the **AutoComplete** icon to switch to AutoComplete mode.

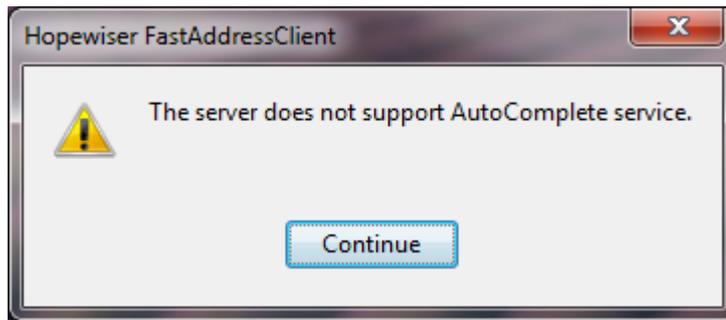
Figure 3.1. The AutoComplete Search Window



1. The AutoComplete search lists the possible matches as you type.
2. The minimum search length is set in the **Minimum Length** dropdown listbox. This defines how many characters have to be entered before the search begins.
3. A list of possible matches will be returned if more than one match is found. Select the correct address from the **Possible Matches** list.
4. A complete address will be displayed in the **Completed Address** text box.
5. Click the **Copy** button to copy the selected address label to the clipboard. The address label can then be pasted into another application.
6. Click the **Send** button to send the selected address label to the application window that has been set in the **Send address fields to another application** section.
7. FastAddressClient will return other fields related to the address. These fields can be viewed by clicking the **View** button. Please note that these fields will not be copied to the clipboard.

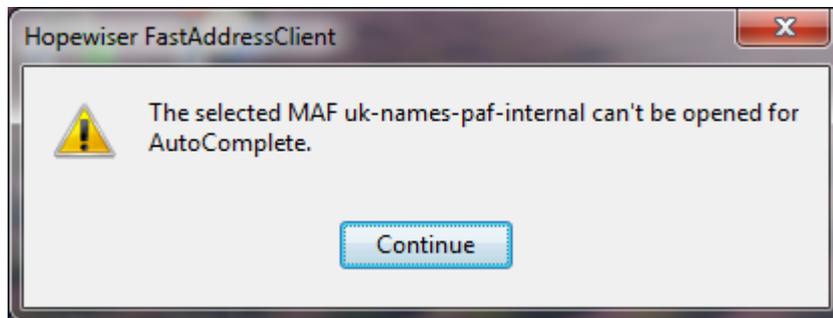
AutoComplete icon will be disabled if the Server, that FastAddressClient is connecting to, is not running the AutoComplete service.

Figure 3.2. Address server without AutoComplete service



An information Window will be displayed if the MAF doesn't support AutoComplete. This will allow the user to switch to the required MAF or continue in Address search mode.

Figure 3.3. Select AutoComplete MAF

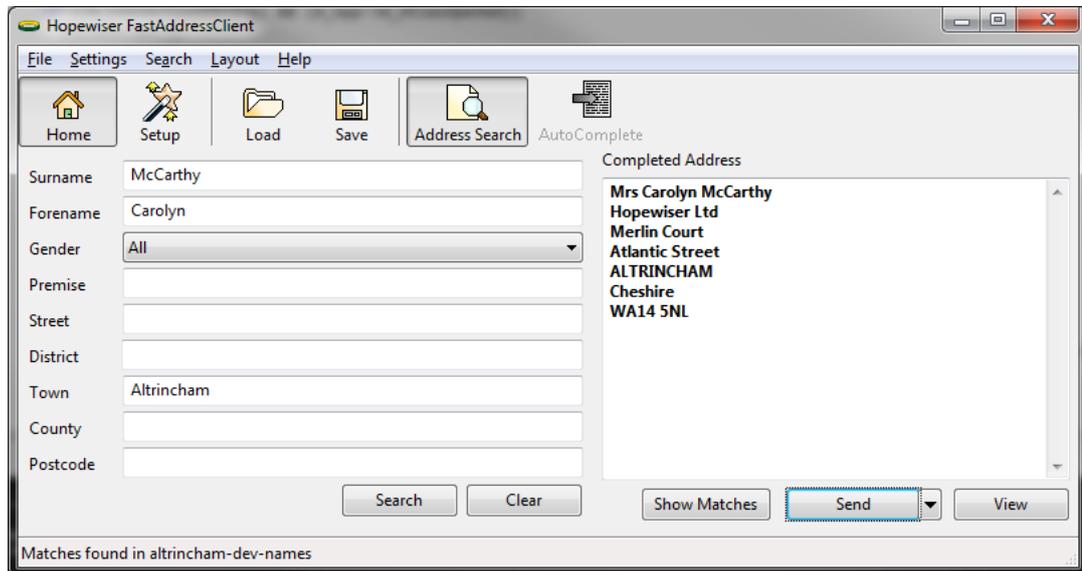


Sample inputs include:

1. hopewi
2. high
3. wa14
4. Manch
5. birmin

4. Name Search

Figure 4.1. The Name Search Window



1. Name searching is available when you have purchased a MAF with names data.
2. Click the **Layout** menu, click the **Screen Layout** option, then select either **Classic Names** or **Multi-Field Names**.
3. Type **Surname**, **Forename**, and a partial address to limit the matches into the appropriate text boxes then press **Enter** or click the **Search** button.
4. A list of possible matches will be returned if more than one match is found.
5. Click the **Layout** menu, then select **Middle Name/Initial Search** to search on middle names or initials.



Note

When a search involves a name, the premise is ignored.

5. Change matching options

The address matching and presentation rules can be tailored to suit your needs.

Change matching options

1. Click the **Setup** icon in the **Toolbar** to show the wizard.
2. Click the **Matching Options** link in the left panel.
3. Edit the matching options to suit your needs.



Note

When in **AutoComplete** mode the **Advanced** options can't be modified.

Figure 5.1. The matching options window

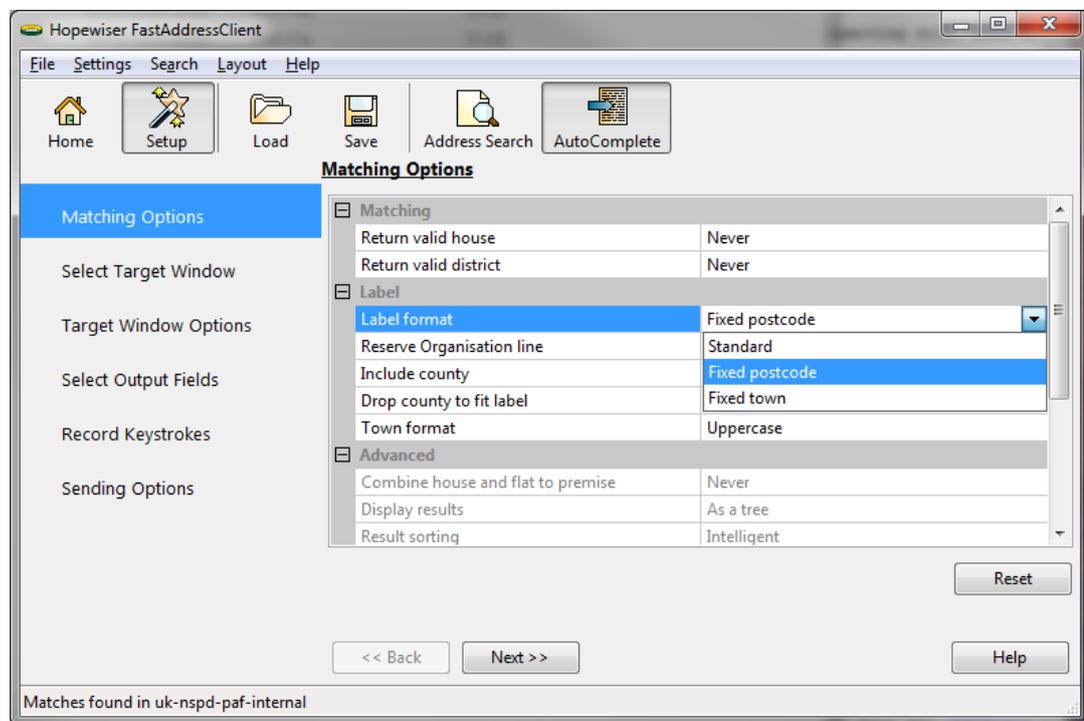


Table 5.1. Options Explained

Field Name	Description
Return valid house	Return the valid house name and discard the vanity house name from the address label.
Return valid district	Return the valid district and discard the vanity district from the address label.
Label format	Select how the address lines in the output label should be positioned. Standard: Remove empty address line; Fixed Postcode: reserves the final field for postcode; Fixed town: reserves the last 3 fields for town, county and postcode.
Reserve Organisation line	Select whether the top line in the address label is reserved for the organisation name.

Field Name	Description
Include county	Select whether the county should be included in the address label.
Drop county to fit label	Select whether the county should be omitted to fit the address label within the given space.
Town format	Select the casing of the town field as displayed in the address label.
Combine house and flat to premise	In the possible match list, if there are more than one sub-premises (e.g. multiple companies, flats or floors) they are separated into a new address field of the list. otherwise the possible match list will combine all of the sub-premises with premise in the same address line.
Display results	Select how to display the results, either in tree format or in list format.
Display list level	Select whether name details are displayed individually or as expandable items associated with an address (only for datasets with name information).
Result sorting	Select whether the address list is presented in premise, street, town order or in postcode order.
Result formatting	Specify whether the premise level matches should include street and town information when in tree mode.
Streets over multiple districts	When a street which spans several district is expanded, each district is first displayed as node which can then be expanded. If separated is not set, all items for the street across all districts will be displayed at the next address line.
Subpremise level	When in tree mode, specify whether Sub-premises are displayed on a new address line or combined with premise.
Include county in possible matches list	Specify if counties should be included within the matched addresses.
Return Welsh addresses	Select to return Welsh versions of addresses if available.
Postcode in possible matches list	Select to include the postcode in the possible matches list.
Lookup result level	Select whether the possible matched list is displayed at street level, expandable to include premise, or displayed at premise level.
Maximum match count	Select the maximum number of items to return.
Timeout seconds	Request timeout in seconds.
Name lookup timeout seconds	Name lookup request timeout in seconds.



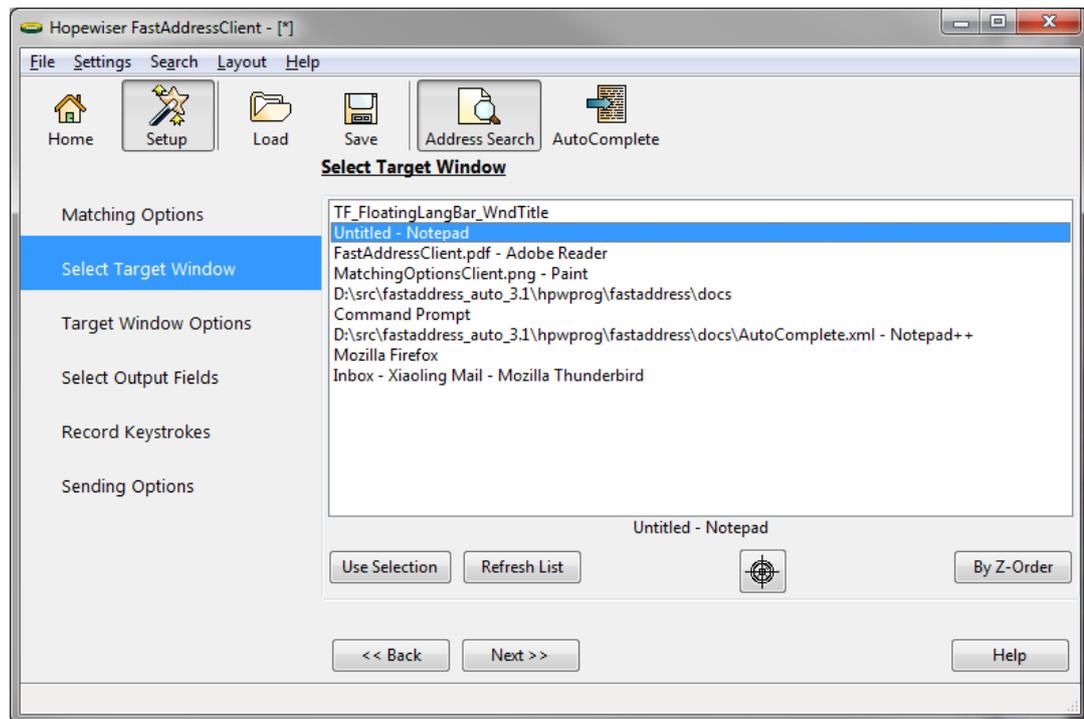
Note

Name searching is only available when you have purchased a MAF with names data. In the **Matching Options** table, the **Drop name from label** option will only appear when the purchased MAF contains name data.

6. Send address fields to another application

FastAddressClient has a powerful set of features to send an address label and other address fields to another application.

Figure 6.1. The sendkeys window



Before using these features, you should set up the behaviour you want.

Steps to configure send keys

1. Select the target window.
2. Set the target window options.
3. Select the output fields.
4. Record the keystrokes.
5. Set the sending options.
6. Change the copy button text.

The features are all set in pages within a wizard. Click the **Setup** icon in the **Toolbar** to show the wizard.

A wizard page can be selected by clicking on the name in the left panel of the wizard or by pressing **CTRL-up** or **CTRL-down**.

6.1. Select target window

1. Click the **Select Target Window** link in the left panel.

2. Click the **By Title** button to select the target window by its title.
3. Select the window you want to send the address fields to by double-clicking the name of the window in the list or by selecting the window in the list and then pressing the **Use Selection** button.
4. A target window can also be selected by dragging and dropping the **Aim** button onto the target window.
5. Click the **Refresh List** button to update the target window list.
6. Click the **By Z-Order** button to select the target window by its Z order.

6.2. Target window options

1. Click the **Target Window Options** link in the left panel.
2. Highlight the window to send the address to.
3. Click the **Configure Target Application Start-up...** button if you want the target application to be started each time an address is sent to it.
4. When the **Configure Target Application Start-up...** button is clicked enter the path to the application's executable file and enter the command line arguments if necessary.
5. Sendkeys uses the window title to identify the target window. However, the target window title name may change. It is possible to use a wildcard in the target window title by clicking the **Edit** button.

6.3. Select output fields

Select and unselect the fields to be sent to the target window.

1. Click the **Select Output Fields** link in the left panel.
2. Select fields by highlighting them in the **Available Fields** list then click the **Add** button.
3. Fields are reordered by clicking the **up** and **down** buttons.
4. Fields are unselected by highlighting them in the **Selected Fields** list and clicking the **Remove** button.

Table 6.1. Output Fields

Field Name	Description
Label 1	The first line of a formatted address label
Label 2	The second line of a formatted address label
Label 3	The third line of a formatted address label
Label 4	The fourth line of a formatted address label
Label 5	The fifth line of a formatted address label
Label 6	The sixth line of a formatted address label
Label 7	The seventh line of a formatted address label
Label 8	The eighth line of a formatted address label
Label 9	The ninth line of a formatted address label
Department	The department within an organisation
Organisation	The organisation name

Field Name	Description
Flat	Formatted sub-premise information
Floor	A level with a building
PO Box	The PO Box
House Name 1	House name information
House Name 2	House name information
Premise	The premise number range
Street Name 1	The thoroughfare name
Street Name 2	The second thoroughfare name (if the address has one)
District Name 1	The district name
District Name 2	The second district name (if the address has one)
Town	The town name
County	The county name
Postcode	The postcode
DPS	The delivery point suffix
Country	The country
UDPRN	The UDPRN
UAID	The unique address identifier
Dedupe Key	The deduplication key
Extended Dedupe Key	The extended deduplication key

6.4. Record keystrokes

It may be necessary to add extra keystrokes, such as tabs, when sending an address so that the address fields are sent to the correct fields within the target window.

1. Click the **Record keystrokes** link in the left panel.
2. Extra keystrokes can be added before and after a field is sent.
3. To record a keystroke, click on a cell then click the **Edit/Record Keys...** button.
4. A window will open and the keystrokes will be recorded. Click the **OK** button when finished.

6.5. Sending options

Select what should happen after an address has been sent to the target application.

1. Click the **Sending Options** link in the left panel.
2. Select the combination of options that best suits your needs.
3. Click the **Test Sending** button to test that the settings behave as expected.
4. You may have to change the **Send Method** if the test failed to send fields to the target application. To change the **Send Method** click the **Advanced** button and select a different method.
5. Click the **Reset** button to reset the options back to their default values.

6.6. Change copy button text

1. Select the **Home** icon in the Toolbar

2. The **Copy** button should be changed to display either **Send** or **Copy and Send**.
3. Click the **Send** button after an address has been captured to send the address fields to the target application.

7. Load and save setup files

The matching options and send keys settings can be saved to and loaded from a setup file.

1. Click the **File** menu then click the **Save** or **Save As...** menu item to save the settings to a file.
2. Click the **File** menu then click the **Load** menu item to load the settings from a file.

Change setup file directory

1. Click the **Settings** menu then select the **Preferences** menu item.
2. In the **Preferences** window, browse to the directory where your setup files are located.

8. Layout Options

The layout of the application can be altered to suit your taste.

The following layouts can be selected:

1. Classic
2. Multi-Line
3. Single Line
4. Multi-Field
5. Compact
6. Classic Names
7. Multi-Field Names

Click the **Layout** menu, then click the **Screen Layout** menu and select a layout.

After capturing an address, the keyboard focus will automatically move to the **Copy** button. To prevent the focus from moving, uncheck the **Focus on copy button** menu item.

Click the **Layout** menu, then click the **Search History** menu, to turn on the search history. The last ten search strings will be remembered and recalled when using **Classic** layout, **Single Line** layout, **Compact** layout or **Classic Names** layout.

Click the **Layout** menu, then click the **Middle Name/Initial Search** menu to turn on middle name searching. Middle name search is available in **Classic Names** layout and **Multi-Field Name** layout.

9. Run from the command line

Table 9.1. Command line options

Option	Description
-s --setup=<str>	The setup filename.
-l --lookup=<str>	Do an address lookup.
-o --hostname=<str>	The AddressServer hostname.
-o2 --hostname2=<str>	The second AddressServer hostname.
-u --user=<str>	Your AddressServer username.
-p --password=<str>	Your AddressServer password.
--no-soap-service=<str>	Don't attempt to connect to the SOAP service for a list of available MAFs.
--layout=<str>	Specify the layout: "Classic", "Multi-Line", "Single Line", "Multi-Field" or "Compact".
--hide-setup	Hide setup windows.
--dont-write-registry	Do not write settings to the registry.
--dont-read-registry	Do not read settings from the registry.
--dont-check-for-updates	Do not check online for software updates.
--show-all-parameters	Show all parameters.
-h --help	Display help about the command line parameters.

Appendix A. Additional Licences

A.1. libcurl

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A.2. Other software

hash.c: chained hash tables

Reference: Your favorite introductory book on algorithms

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Author: breese@users.sourceforge.net

list.c: lists handling implementation

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Author: Gary.Pennington@uk.sun.com

\$Id: trio.c 3600 2007-04-17 12:44:58Z veillard \$
\$Id: trio.h 1886 2003-04-03 15:28:28Z veillard \$

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\$Id: triodef.h 3473 2006-05-31 13:35:28Z veillard \$
\$Id: trionan.c 3790 2008-09-01 13:08:57Z veillard \$
\$Id: trionan.h 2026 2003-08-06 04:43:55Z wbrack \$

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\$Id: triop.h 1886 2003-04-03 15:28:28Z veillard \$

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\$Id: triostr.c 3600 2007-04-17 12:44:58Z veillard \$

\$Id: triostr.h 3600 2007-04-17 12:44:58Z veillard \$

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