

iMatch is one of our longest standing software packages. In fact, some of our customers have been using it for over a decade! Over the years, we've introduced significant improvements and features to keep up with the ever-evolving world of address management and recently these improvements have been substantial. Through conversations with existing users, we've discovered that not everyone is aware of what has been added. With this in mind, we have compiled this summary to help you achieve maximum benefit from the product.

Matching without iManage or Bluelight – We have introduced the ability for iMatch to carry out its matching directly from a search index (Lucene) without connecting to the iManage or Bluelight gazetteer. This means the solution is more portable and the search index is simply a file. Most importantly, it means the matching is a lot faster. This is scalable to hold and match against the full UK dataset.

Speed – We have spent a lot of time in improving matching speeds. If focus is not set (that is if matching results are not visible), this dramatically speeds up performance. However, if the matching is done against the Lucene search index this speeds up matching even more. Without Lucene, iMatch can match around 400,000 records in 72 hours. If Lucene is used, the same number of records are matched in 6 hours. This is 12 times faster.

Coping with multiple addresses for same property – Both the LLPG and AddressBase Premium have the concept of more than one address for a property by means of the LPI. In the case of AddressBase Premium, this is even more complicated. You can have multiple LPIs, but also a Delivery Point Address and one or more Organisation Names for the same property. A matching process that doesn't take all of these into account will miss potential accurate matches. This can be very significant when dealing with a large number of addresses. iMatch matches across all parts of the address, including, alternate, historical and provisional LPIs and every instance of an organisation name.

Coping with inconsistent addresses – Inconsistent conventions around addresses often proves to be extremely problematic for any matching process. iMatch now has three main ways of handling this. iMatch can use a list of Street abbreviations in its matching. For example if it comes across GDNS in a match, it will assume it means Gardens and treat it as such as this will generally be how it will be held in the LLPG or AddressBase Premium. It has a list of padding words such as "the". You can choose to ignore these padding words or take them into account or both by running a match with and without. Finally, it also has a list of reject phrases. These are phrases that you can choose to ignore or not when matching in a similar fashion to padding words. Examples of phrases are "car park" and "beach hut".

Batch Processing – As the above scenarios indicate, the complexities and inconsistencies with any one list of addresses is large. If only one strategy or set of matching rules are used, it is likely that you will never achieve the best outcome. The inconsistencies mean that one set of rules will not be able to pick up all possible matches. What is optimum for one data scenario is not for another. The only way to get the best results is to perform multiple passes or matches on the same dataset whilst tweaking the match criteria for each pass. Each successive pass should ignore what has previously been matched and focus on the unmatched records. Each pass should match records that the previous criteria couldn't until you get the maximum number of automatic matches. The things that might be altered for each pass include things like "ignore padding words" followed by "include padding words". The batch processing function in iMatch enables you to do exactly this. It automates the running of multiple passes and enable you to change the match criteria for each pass.



iMatch Features

Feature	iMatch Version
AddressBase Premium 2.1 has been added as an option when Exporting your Cross References .	V6.5.0.0
iMatch Preferences have been extended to Display and Edit Abbreviations , set Interactive Matching Preferences together with some Other Preferences such as Enabling changing the Match Score (<i>which is now disabled by default</i>) and Including the Descriptor for Type 2 Streets .	
iMatch will now check Street information in the Address file for Abbreviations , unless Disabled in the Match Options .	
The View Addresses pane has a Select Records button which will allow you to select multiple records, click the Edit Records button and then change the Matched Status for all the selected records.	
There is a new Clear List button, when Batch Processing , that will allow you to clear the entire batch queue.	
Improve the matching process when more than one field is selected for a particular Address Type e.g. Street or Building and concatenate Start No & Suffix , before matching, if held in separate fields in the Address file.	
UPRN has been added as an Address Type field so that iMatch can match using a UPRN.	
When Interactive matching, results with the same score are now naturally sorted by address.	
New Options > Preferences menu to configure your iMatch Preferences .	V6.4.0.0
Select the Address Type for each of your Address fields via the new grid. By specifying the type of data in each Address field iMatch can make better choices when matching the address.	
Ability to Disable Padding Words when matching. These are words that are usually ignored when scoring a match.	
Option to show the Derived Address when Viewing your Address data. The Derived Addresses will take the fields that you have chosen to match with and display the address with just these fields.	
Check for Reject Phrases for words like CAR PARK, BEACH HUT etc. and reject the record if any of these words is found in the search address.	V6.3.0.0
For AddressBase customers you can choose to match against the Main Address, Delivery Point Address or both.	
Include Delivery Point Address in matching process when matching against AddressBase datasource.	V6.2.0.0
Match using the SinglePoint Web Service .	V6.1.0.0
Match against the Street Record .	
Improved scoring using established Fuzzy matching algorithms such as “Double Metaphone” & “Dice Coefficient” combined with custom address specific matching processes.	
Display More Details about the selected property when Interactive Matching such as Cross References.	
New iMatch Manager GUI.	V6.0.0.0
Ability to Preview your Address Data.	
Filter your Address Data to select the number of records to match. This can be useful if you wish to match say 1000 records at a time.	



Export all/selected records from your Address file to .csv or xls.	
Use Organisation Name as part of the matching process if required.	
Ability to Batch Match i.e. save individual match configurations to the Batch Queue and then process the batch. Normally when you are matching an Address file you will need to match it more than once using different iMatch configurations to get the best results. Once you are happy with your process you can set this up in a Batch Queue and then run the entire Batch.	
Match against AddressBase data for Bluelight customers.	

Detailed Summary

Configure iMatch Preferences

This allows you to set your preferences for the start up of iMatch, to help speed up opening iMatch, Interactive Matching Preferences etc. and when matching with iMatch to configure **Abbreviations**, **Padding Words** and **Reject Phrases**.

The Preferences dialog box is divided into several sections:

- File Load Preferences:** Filter CSV default value: 50000, Disable last file load:
- Startup Preferences:** Disable connection check:
- Interactive Matching Preferences:** Remove duplicates from result list: ; Stop automatic selection for matching: ; Sort Column For Interactive: Score
- Other Preferences:** Enable changing of Match Score: ; Include Descriptor for Type 2 Streets:

Buttons at the bottom: Display Abbreviations, Display Padding Words, Display Reject Phrases, OK.

Abbreviation	Abbreviation Replacemen	Enabled	
F	FLAT	<input checked="" type="checkbox"/>	Edit...
FL	FLOOR	<input checked="" type="checkbox"/>	Insert...
U	UNIT	<input checked="" type="checkbox"/>	Delete
AP	APARTMENT	<input checked="" type="checkbox"/>	
APT	APARTMENT	<input checked="" type="checkbox"/>	
BUN	BUNGALOW	<input checked="" type="checkbox"/>	
AL	ALLEY	<input checked="" type="checkbox"/>	
AV	AVENUE	<input checked="" type="checkbox"/>	
AVE	AVENUE	<input checked="" type="checkbox"/>	
BLVD	BOULEVARD	<input checked="" type="checkbox"/>	
BR	BRIDGE	<input checked="" type="checkbox"/>	
BD	BUILDING	<input checked="" type="checkbox"/>	
BLDG	BUILDING	<input checked="" type="checkbox"/>	
RM	ROOM	<input checked="" type="checkbox"/>	
CIR	CIRCLE	<input checked="" type="checkbox"/>	
CT	COURT	<input checked="" type="checkbox"/>	
CL	CLOSE	<input checked="" type="checkbox"/>	
CR	CRESCENT	<input checked="" type="checkbox"/>	
CRES	CRESCENT	<input checked="" type="checkbox"/>	

Buttons: Edit..., Insert..., Delete, Close.

Only used for Streets at present.

Padding Words	Enabled	
'THE'	<input checked="" type="checkbox"/>	Edit...
'UNITS'	<input checked="" type="checkbox"/>	Insert...
'&'	<input checked="" type="checkbox"/>	Delete
'AND'	<input checked="" type="checkbox"/>	
'UNIT'	<input checked="" type="checkbox"/>	
'FLAT'	<input checked="" type="checkbox"/>	
'FLAT '	<input checked="" type="checkbox"/>	
'SUITE'	<input checked="" type="checkbox"/>	
'APARTMENT'	<input checked="" type="checkbox"/>	
','	<input checked="" type="checkbox"/>	

Buttons: Edit..., Insert..., Delete, Close.

Padding Words are words that are removed when scoring matches.

Reject Phrases	Enabled	
'CAR PARK'	<input checked="" type="checkbox"/>	Edit...
'BEACH HUT'	<input checked="" type="checkbox"/>	Insert...
'BATHING HUT'	<input checked="" type="checkbox"/>	Delete
'MAST'	<input checked="" type="checkbox"/>	
'MAST.'	<input checked="" type="checkbox"/>	
'NORTH OF'	<input checked="" type="checkbox"/>	
'SOUTH OF'	<input checked="" type="checkbox"/>	
'EAST OF'	<input checked="" type="checkbox"/>	
'WEST OF'	<input checked="" type="checkbox"/>	
'ADJ TO'	<input checked="" type="checkbox"/>	
'ADJACENT '	<input checked="" type="checkbox"/>	
' OPPOSITE '	<input checked="" type="checkbox"/>	
'REAR OF'	<input checked="" type="checkbox"/>	
'R/O'	<input checked="" type="checkbox"/>	
'ADVERTISEMENT'	<input checked="" type="checkbox"/>	
'ADVERTISING RIGHT'	<input checked="" type="checkbox"/>	
'ADV RIGHT'	<input checked="" type="checkbox"/>	
'ADSHELL'	<input checked="" type="checkbox"/>	
'BUS SHELTER'	<input checked="" type="checkbox"/>	

Buttons: Edit..., Insert..., Delete, Close.

Reject Phrases are checked before performing a search / match to see if the address string contains any of the enabled **Reject Phrases** and, if it does, will mark the address as **Rejected** and continue to the next address.

Choosing your Address Fields

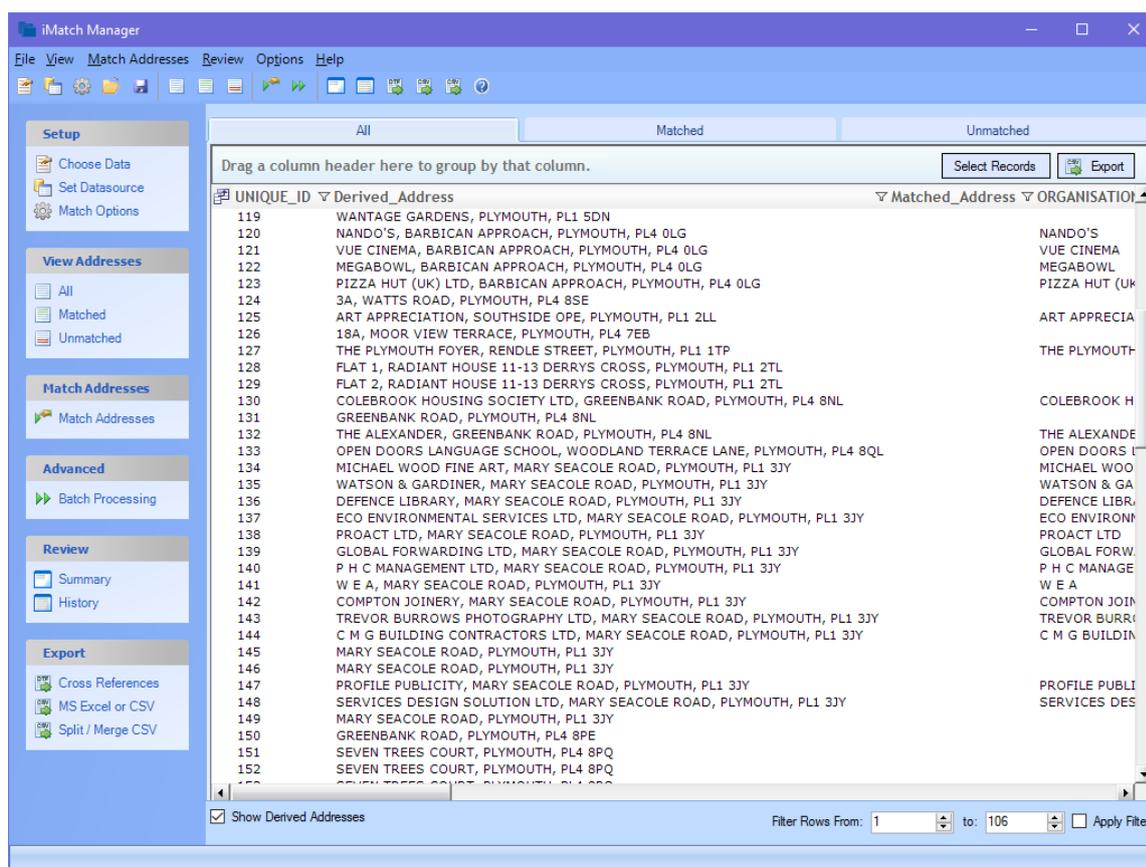
There is a new **Address Type** grid that allows you to specify the type of information that could be found in each of the fields in your Address file e.g. Organisation, Building, Street, Town or Postcode or even UPRN.

Address Fields:	>>	UPRN	Organisatio	Building	Street	Town	Postcod
<input checked="" type="checkbox"/>	ORGANISATION_NAME		✓				
<input checked="" type="checkbox"/>	DEPARTMENT_NAME			✓			
<input checked="" type="checkbox"/>	SUB_BUILDING_NAME			✓			
<input checked="" type="checkbox"/>	BUILDING_NAME			✓			
<input type="checkbox"/>	BUILDING_NUMBER						
<input checked="" type="checkbox"/>	THOROUGHFARE_NAME				✓		
<input type="checkbox"/>	DOUBLE_DEPENDENT_L...						
<input type="checkbox"/>	DEPENDENT_LOCALITY						
<input checked="" type="checkbox"/>	POST_TOWN					✓	
<input checked="" type="checkbox"/>	POSTCODE						✓

You can specify more than one field as a particular **Address Type** if for instance Building information is spread across more than one field as shown above. By specifying the type of data in each Address field iMatch can make better choices when matching the address.

Preview & Filter your Address file

In the iMatch Manager you can view your Address data. You can select to view All records, just Matched records or just Unmatched records. You can also select to **Show Derived Addresses** which will take the fields that you have chosen to match with and display the address with just these fields.



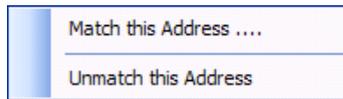
The screenshot shows the iMatch Manager application window. The main area displays a list of records with columns: UNIQUE_ID, Derived_Address, Matched_Address, and ORGANISATION. The records are numbered 119 to 152. The interface includes a menu bar (File, View, Match Addresses, Review, Options, Help), a toolbar, and a sidebar with sections for Setup, View Addresses, Match Addresses, Advanced, Review, and Export. At the bottom, there is a filter control: "Filter Rows From: 1 to: 106" with an "Apply Filter" checkbox.

This is also where you can add a **Filter** to your Address file to select which records you wish to match. This can be useful if you wish to match say 1000 records at a time.

Filter Rows From: to: Apply Filter



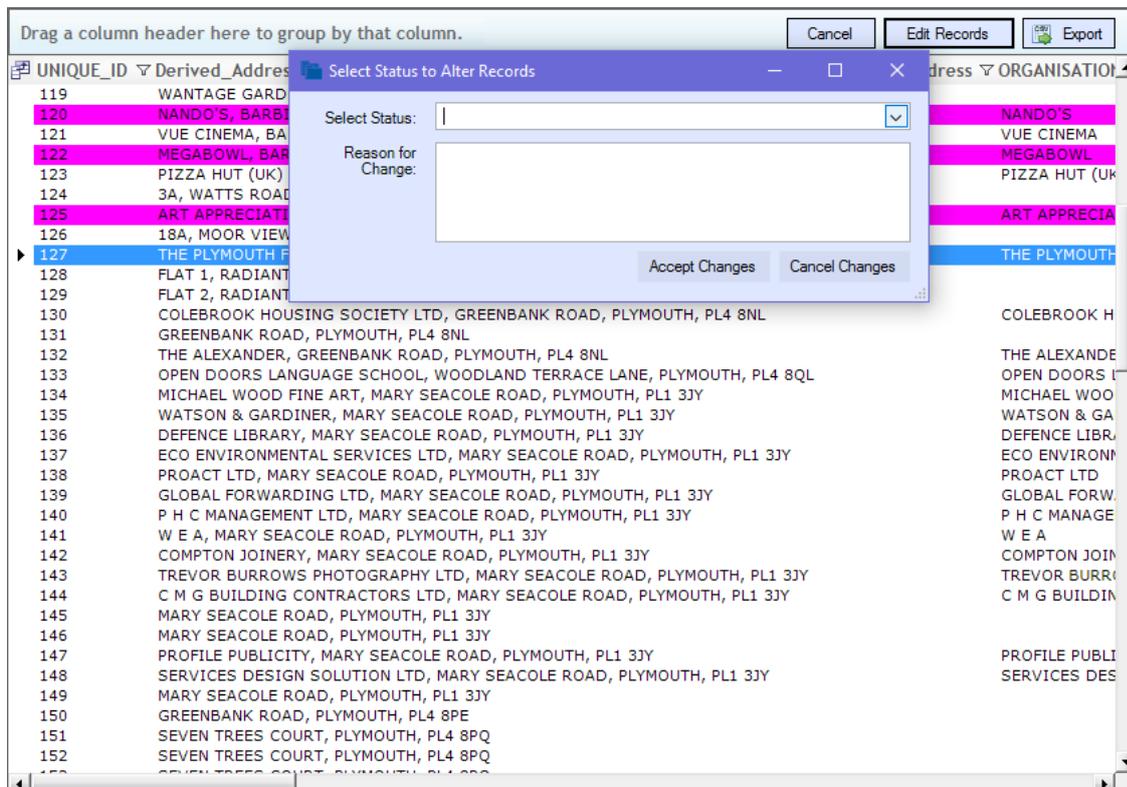
Depending upon which View you have selected there is a Context menu for you to Match / unmatch a specific record.



There is an **Export** button which will allow you to export your address information to a .csv or .xls file. If you have applied a filter then only the selected rows will be exported.

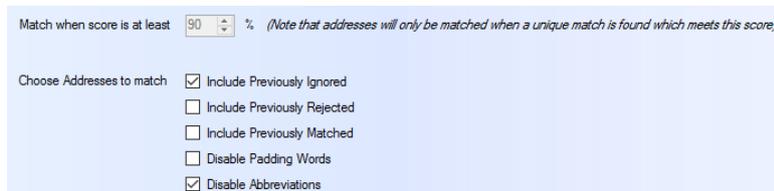
Select record for Editing their Status

There is a **Select Records** button which, when clicked, will allow you to select individual records and then click the **Edit Records** button. The **Select Status to Alter Records** dialog will be displayed where you will be able to **Select a Status** of either *Rejected* or *Ignored* and enter a **Reason for the change**.

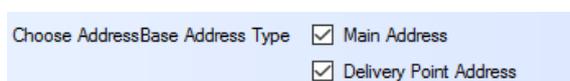


Configure Match Options

There are new entries to allow you to **Disable Padding Words** and/or **Abbreviations** for a particular match.



For AddressBase customers you can choose to match against the **Main Address**, **Delivery Point Address** or both.



Match using SinglePoint Web Service

Web Service Use a remote Web Service for address matching

Use Web Service

Name

URL

Timeout

Street Record Matching

This option will not be available unless your Address Data contains a Postcode field and this has been selected in the Choose Data - **Address Fields**.

Street Record Matching

Addresses that cannot be matched will be matched to Street Records. Note that the postcode is required to use this feature. Only use this feature if you know that Street Record matching is useful to you.

If you select this option then iMatch will try to match to the **Street BLPU** for the Street and populate the **Matched UPRN** with the UPRN for the Street BLPU. The matching process will look for all properties with a matching postcode and retrieve the USRN from these to build up a list of streets that contain properties with a matching postcode. If there is only one USRN then iMatch will search for "STREET RECORD, <USRN>", if there is more than one the **Street Description** will be included in the search.

Note: This type of matching cannot be matched Interactively.

[Display More Details for a Matched Address](#)

This is only available when matching Interactively to help find the correct address e.g.

```

FLAT 27, WORCESTER COURT
HOLMESDALE STREET
CARDIFF
CF11 7HA

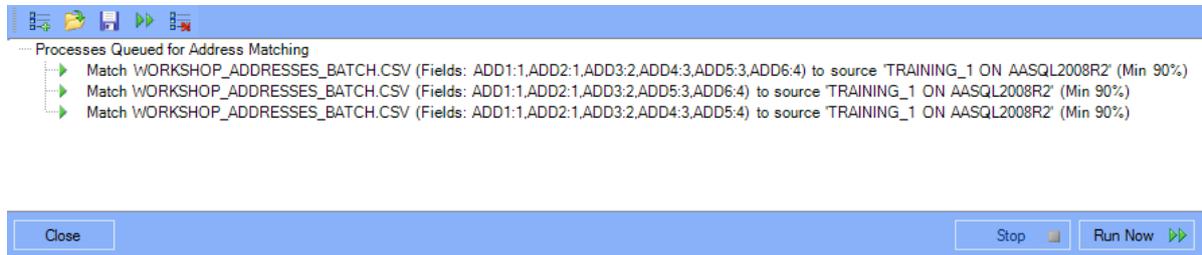
UPRN:          100100102918
PARENT UPRN:   200001837982
LPI KEY:       6815L000011665
EASTING:       317747
NORTHING:      174450
CLASSIFICATION: RESIDENTIAL
LAST UPDATED:  17/09/2007
LOGICAL STATUS: 1

CROSS REFERENCE(S):
6815CT(2291220002700)
6815ER(02076149)
6815AP(AP99L584YAW54UCGHR)
6815BG(6815L0000116656815L000018467)
6815BG(6815L0000116666815L000027321)
  
```



Batch Matching

Normally when you are matching an Address file you will need to match it more than once using different iMatch configurations to get the best results. Once you are happy with your process you can set this up in a Batch Queue and then run the entire Batch.



This pane has its own Toolbar  where you can:

- **Add** the current setup to the Batch Queue
- **Open** an existing Batch file
- **Save** a Batch file so you can re-load and run it later
- **Run** the Batch
- **Clear** the Batch Queue **List**

Creating your BLPU Cross Reference File

iMatch will allow you to export your matched record in both the current AddressBase Premium and DTF standards as well as still supporting the previous version of each.

