



Postcodes4u - Gravity Forms Integration

Updated 6th June 2018

SETUP INSTRUCTIONS

For the Postcodes 4u Plugin to work within Gravity Forms a change needs to be made to a GravityForms file before it can work.

This can either be carried out automatically by the Plugin, or if you would prefer this change can be made in the WordPress Plugin Editor. Both options are described below.

If you DO NOT want to read a detailed description of why the change is required then skip the following paragraphs and go to Using Postcodes4u in Gravity Forms

The change required in the GravityForms file 'includes//fields/class-gf-fields.php'. This form defines the Gravity Forms GF_Fields class. The changes required change the ::_fields property from 'private' to 'protected' allowing the Postcodes 4u Plugin to update this field by adding a Postcodes4u Postcode Lookup to the Address field.

AUTOMATICALLY UPDATING GRAVITY FORMS FOR POSTCODES4u

If automatic updating of Gravity Forms to work with Postcodes4u is required, ensure that The Postcodes4u Gravity forms settings are :

'Enable Gravity Forms Integration' Checked

'Automatically Update Gravity Forms File (GF_Fields) for Postcodes4u Integration' Unchecked.

As Shown Below:

Gravity Forms Integration Settings.

Enable Gravity Forms Integration Includes the Postcodes4u Address Field in Gravity Forms (See Note below).

Note. This changes the normal Gravity Forms 'Address' advanced field to 'Pc4u Address'. This updated field includes allows a postcode lookup to be added to a Gravity Form. The Options to display a Postcode Lookup, along with other display controls are displayed on the 'Appearance' tab of the Pc4u Address field

Full details of integrating Postcodes4u with GravityForms can be found [HERE](#).

Disable Automatic Update of Gravity Forms for Postcodes4u If Checked DO NOT Automatically Update Gravity Forms file for Postcodes4u compatability (See Gravity Forms Update Information Note below)

Gravity Forms Update Information.
In order for the Postcodes4u integration to work a small change is required to a GravityForms file (gravityforms/includes/fields/class-gf-fields.php). This should not affect the normal operation of Gravity Forms.

The Plugin will overwrite check the existing 'class-gf-fields.php' file, and, if it does not have the necessary settings to allow Postcodes4u lookups to work, will overwrite the file with a new copy that contains the changes required. A copy of the original 'class-gf-fields.php' file is saved as 'class-gf-fields.php.Pc4uBackup'.

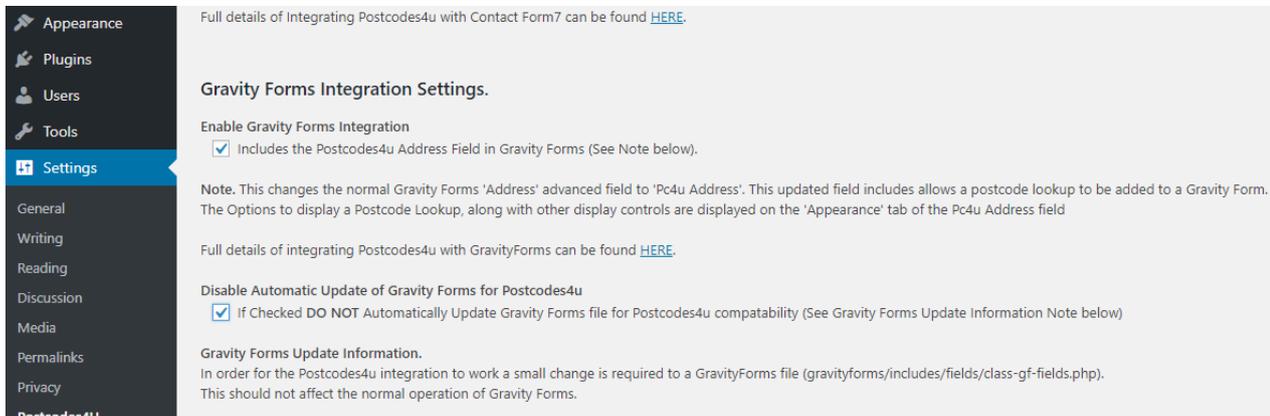
MANUALLY UPDATING GRAVITY FORMS FOR POSTCODES4u

If automatic updating of Gravity Forms to work with Postcodes4u **IS NOT required** ensure that The Postcodes4u Gravity forms settings are :

'Enable Gravity Forms Integration Checked

'Automatically Update Gravity Forms File (GF_Fields) for Postcodes4u Integration' Checked.

As Shown Below:



The screenshot shows the 'Gravity Forms Integration Settings' page. On the left is a sidebar menu with 'Settings' selected. The main content area has the following text:

- Full details of Integrating Postcodes4u with Contact Form7 can be found [HERE](#).
- Gravity Forms Integration Settings.**
- Enable Gravity Forms Integration**
 - Includes the Postcodes4u Address Field in Gravity Forms (See Note below).
- Note. This changes the normal Gravity Forms 'Address' advanced field to 'Pc4u Address'. This updated field includes allows a postcode lookup to be added to a Gravity Form. The Options to display a Postcode Lookup, along with other display controls are displayed on the 'Appearance' tab of the Pc4u Address field
- Full details of integrating Postcodes4u with GravityForms can be found [HERE](#).
- Disable Automatic Update of Gravity Forms for Postcodes4u**
 - If Checked DO NOT Automatically Update Gravity Forms file for Postcodes4u compatability (See Gravity Forms Update Information Note below)
- Gravity Forms Update Information.**
In order for the Postcodes4u integration to work a small change is required to a GravityForms file (gravityforms/includes/fields/class-gf-fields.php). This should not affect the normal operation of Gravity Forms.

Carrying out the Manual Update

PLEASE TAKE CARE as an error here could break the website, which may require FTP access to the site to resolve it.

Step 1. Ensure Gravity Forms plugin is not Active

From the WordPress Dashboard Select the Gravity Forms Plugin and 'Deactivate' it.

Select 'Plugins' Search for 'Gravity Forms' If it is shown as 'Active' then click on 'Deactivate'

Step 2. Edit The Gravity Forms Plugin file

To Dashboard select :

Plugins-> Editor

On the top right, for 'Select plugin to edit' choose 'Gravity Forms' and press 'Select'

Select the file 'includes->fields->class-gf-fields.php'

It should look like below



The screenshot shows the 'Edit Plugins' screen in WordPress. The 'gravityforms/includes/fields/class-gf-fields.php' file is selected and its content is displayed in a code editor. The code includes a class definition for GF_Fields and a register function. On the right, a 'Plugin Files' list shows various files, with 'class-gf-fields.php' selected.

```
1 <?php
2
3 if ( ! class_exists( 'GFForms' ) ) {
4     die();
5 }
6
7 require_once( plugin_dir_path( __FILE__ ) . 'class-gf-field.php' );
8
9 class GF_Fields {
10
11     public static $deprecation_notice_fired = false;
12
13     /* @var GF_Field[] */
14
15
16     private static $_fields = array();
17
18     public static function register( $field ) {
19         if ( ! is_subclass_of( $field, 'GF_Field' ) ) {
20             throw new Exception( 'Must be a subclass of GF_Field' );
21         }
22     }
23 }
```

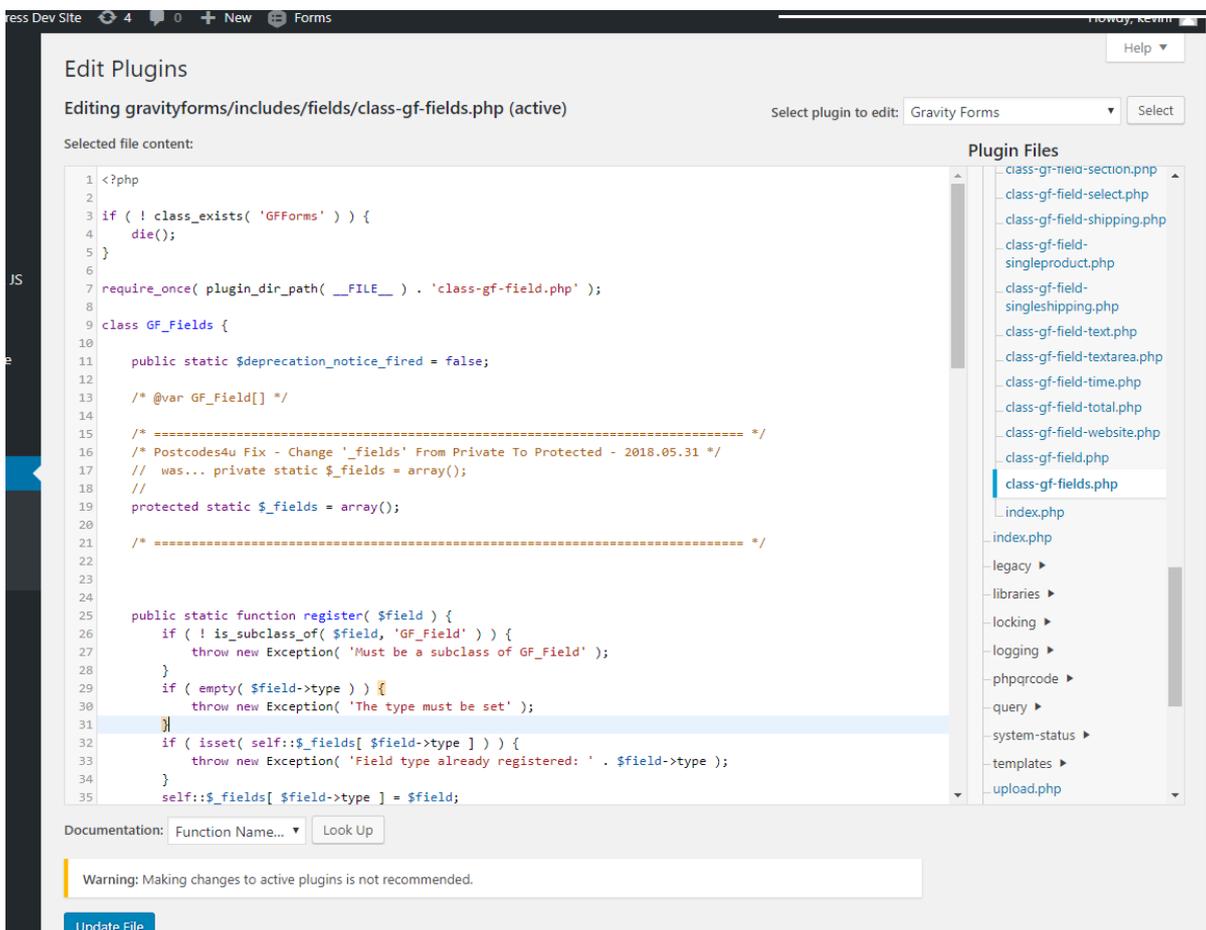
Replace the line :

```
private static $_fields = array();
```

With

```
/* ===== */
/* Postcodes4u Fix - Change '_fields' From Private To Protected - 2018.05.31 */
// was... private static $_fields = array();
//
protected static $_fields = array();
/* ===== */
```

As Shown Below:



When the change has been made press the 'Update File' button at the bottom of the page.

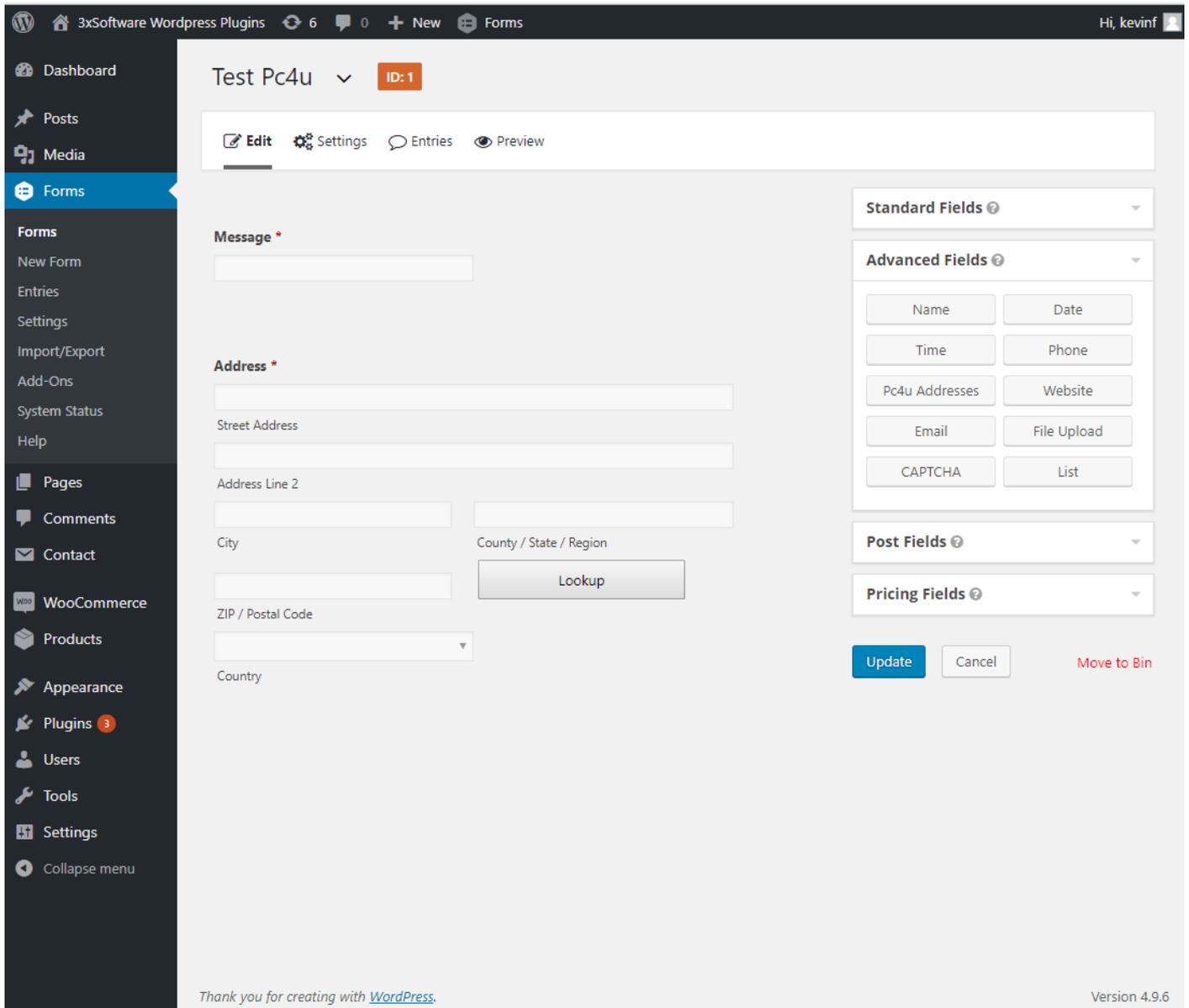
Step 3. Activate Gravity Forms plugin.

From the WordPress Dashboard Select the Gravity Forms Plugin and 'Deactivate' it.

Select 'Plugins' Search for 'Gravity Forms' If it is shown as 'Active' then click on 'Deactivate'

Using Postcodes4u in Gravity Forms.

When the Postcodes4u is properly integrated within Gravity Forms the 'Address' advanced field will be displayed as 'Pc4u Address' in the field selector as shown below.



Although the field has a new name it is still treated as a GravityForms Address field, and existing forms will work as before, but now has the extended functionality to do UK Postcode Lookups.

Enabling Postcodes4u Postcode Lookups in the Address Field.

The additional settings for Postcode Lookups are in the 'Appearance' options tab of the form, as shown below:

The Postcodes4u Options are

'Use Postcode Lookup in Address' - add the Postcode Lookup functionality to this address field.

'Show Postcode field at top' puts the Postcode and address selection at the top of the address field

'Hide Address Fields until Address Lookup Selected' in an advanced option that only displays the other address fields (Street Address, City etc) when an Address is selected by the Postcode Lookup

The screenshot shows the WordPress admin dashboard with the 'Forms' menu selected. The main content area displays the 'Pc4u Addresses : Field ID 4' configuration page. The 'Appearance' tab is active, showing the 'Postcodes4u Settings' section. The settings are as follows:

- Use Postcode Lookup In Address:
- Show Postcode field at top:
- Hide Address Fields until Address Lookup Selected:

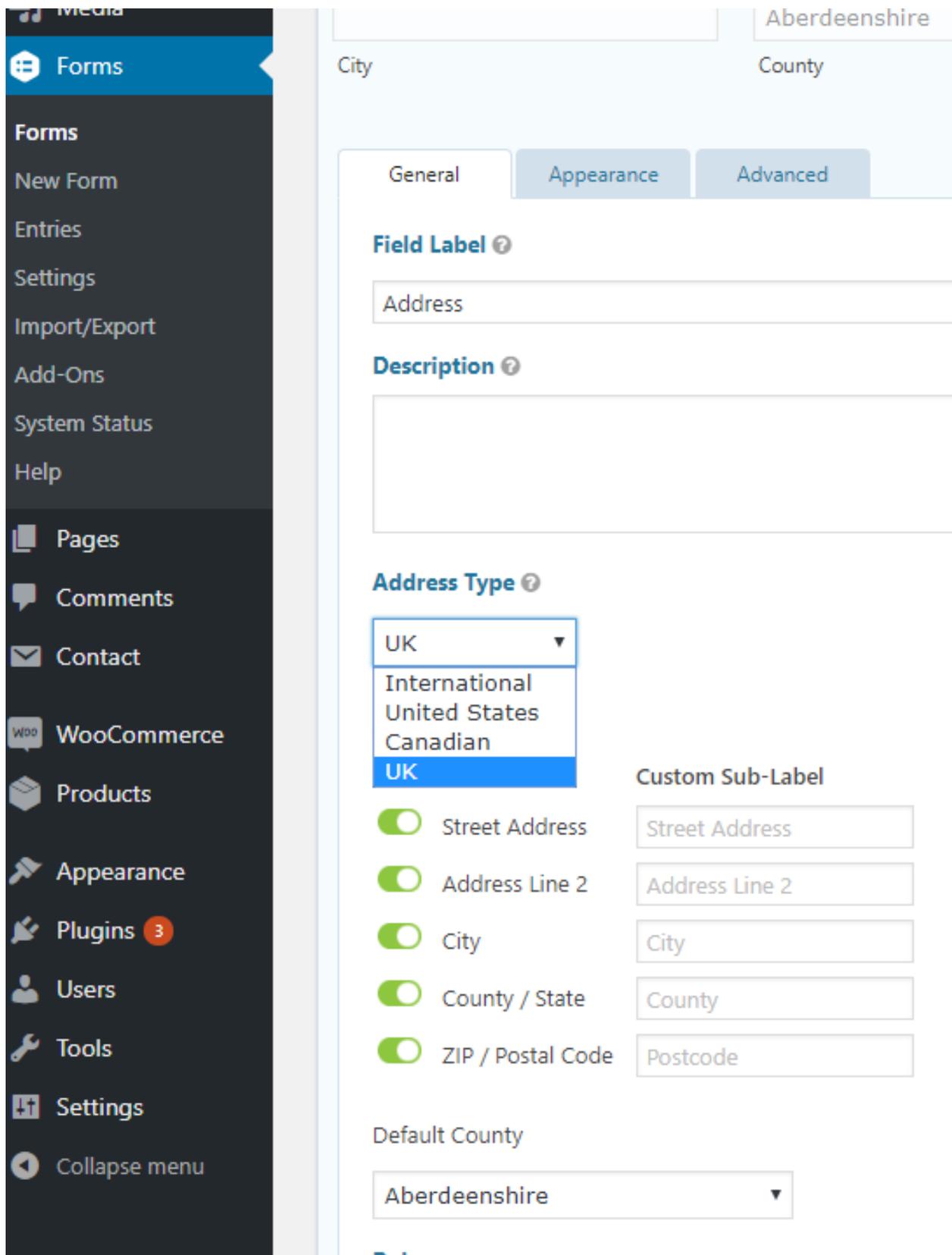
Below the settings is a 'Placeholders' section with a table:

Field	Placeholder
Street Address	<input type="text"/>
Address Line 2	<input type="text"/>
City	<input type="text"/>

The form preview above the settings shows the following fields: Address (with a red asterisk), Street Address, Address Line 2, City, County / State / Region, ZIP / Postal Code, and Country. A 'Lookup' button is positioned to the right of the ZIP / Postal Code field.

Select UK Address Type in the Address Field.

The UK Address type setting has also been added to the Address field. This setting is in 'Address Type' in the 'General' Address field Tab as shown below:



The screenshot displays the WordPress Forms plugin settings for an address field. On the left is a dark sidebar menu with the following items: Media, Forms (highlighted), New Form, Entries, Settings, Import/Export, Add-Ons, System Status, Help, Pages, Comments, Contact, WooCommerce, Products, Appearance, Plugins (3), Users, Tools, Settings, and Collapse menu. The main content area shows the 'General' tab of the address field configuration. At the top, there are two dropdown menus: 'City' (empty) and 'County' (Aberdeenshire). Below these are three tabs: 'General' (selected), 'Appearance', and 'Advanced'. The 'Field Label' section has a text input containing 'Address'. The 'Description' section has an empty text area. The 'Address Type' section features a dropdown menu with 'UK' selected, and a list of options: UK, International, United States, and Canadian. Below this are five rows of address fields, each with a toggle switch and a text input: 'Street Address' (toggle on, input 'Street Address'), 'Address Line 2' (toggle on, input 'Address Line 2'), 'City' (toggle on, input 'City'), 'County / State' (toggle on, input 'County'), and 'ZIP / Postal Code' (toggle on, input 'Postcode'). At the bottom, the 'Default County' is set to 'Aberdeenshire' in a dropdown menu.

Gravity Forms Postcode Lookup in Use.

The Following Form is set up with **UK Address** and 'Show Postcode field at top'

Test Pc4u

Message *

Address *

Lookup

Postcode

Street Address

Address Line 2

Aberdeenshire

City

County

Submit

Address *

LL29 8HT

Lookup

Postcode

- Select an address:
- 3X Software Ltd, 23 Princes Drive Colwyn Bay
- Aslets The Letting Agents Ltd, 23 Princes Drive Colwyn Bay
- Barclays Bank Plc, Raymond Court Princes Drive Colwyn Bay
- Clybiau Plant Cymru Kids Clubs, 19 Princes Drive Colwyn Bay
- Cruse Bereavement Care, 27 Princes Drive Colwyn Bay
- Curvasure Ltd, 23 Princes Drive Colwyn Bay
- Flat 1, 15 Princes Drive Colwyn Bay
- Flat 2, 15 Princes Drive Colwyn Bay
- Jackson Accounting Ltd, 23 Princes Drive Colwyn Bay
- Manor Service Station Ltd, Princes Drive Colwyn Bay
- Mark Roberts Environmental, 27 Princes Drive Colwyn Bay

Test Pc4u

Message *

Address *

Lookup

Postcode

Street Address

Address Line 2

City

County

Submit

Gravity Forms Postcode Lookup In Use - 2

The Following Form is set up with **UK Address** , 'Show Postcode field at top' and **Hide Address Fields until Address Lookup Selected**'

Test Pc4u

Message *

Address *

Lookup

Postcode

Submit

Select an address:

- 3X Software Ltd, 23 Princes Drive Colwyn Bay
- Aslets The Letting Agents Ltd, 23 Princes Drive Colwyn Bay
- Barclays Bank Plc, Raymond Court Princes Drive Colwyn Bay
- Clybiau Plant Cymru Kids Clubs, 19 Princes Drive Colwyn Bay
- Cruse Bereavement Care, 27 Princes Drive Colwyn Bay
- Curvasure Ltd, 23 Princes Drive Colwyn Bay
- Flat 1, 15 Princes Drive Colwyn Bay
- Flat 2, 15 Princes Drive Colwyn Bay
- Jackson Accounting Ltd, 23 Princes Drive Colwyn Bay
- Manor Service Station Ltd, Princes Drive Colwyn Bay
- Mark Roberts Environmental, 27 Princes Drive Colwyn Bay
- Mcintyre & Daughters Ltd, Alliance House 21 Princes Drive Colwyn Bay
- Nacro, 13 Princes Drive Colwyn Bay
- Quality Solicitors Edward Hughes, 25 Princes Drive Colwyn Bay
- Ravenscroft Homes N W Ltd, 27 Princes Drive Colwyn Bay
- T Brackstone & Co, 19 Princes Drive Colwyn Bay
- Thornley Leisure Parks, William Sutcliffe Suite Raymond Court Princes Drive Colwyn Bay
- Y Gadwyn, 19 Princes Drive Colwyn Bay
- 17 Princes Drive, Colwyn Bay

Select an address: ▼

Submit

Message *

Address *

LL29 8HT

Lookup

Postcode

3X Software Ltd

Street Address

23 Princes Drive

Address Line 2

Colwyn Bay

Conwy ▼

City

County

Submit