

# GJC Web Design Virtuemart 4/3 Radius Shipping Plugin

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This is the VirtueMart 4/3 Radius Shipping Plugin that fully integrates and shows real time shipping quotes based on the distance from the vendor's chosen address in the checkout process. Installs as a native VirtueMart 4/3 Joomla 3/4 Shipping Plugin.

You can download it here - [Download](#)

Price is €50.00

Dedicated Test Site Here [GJC Web Design Radius Shipping Test Site](#)

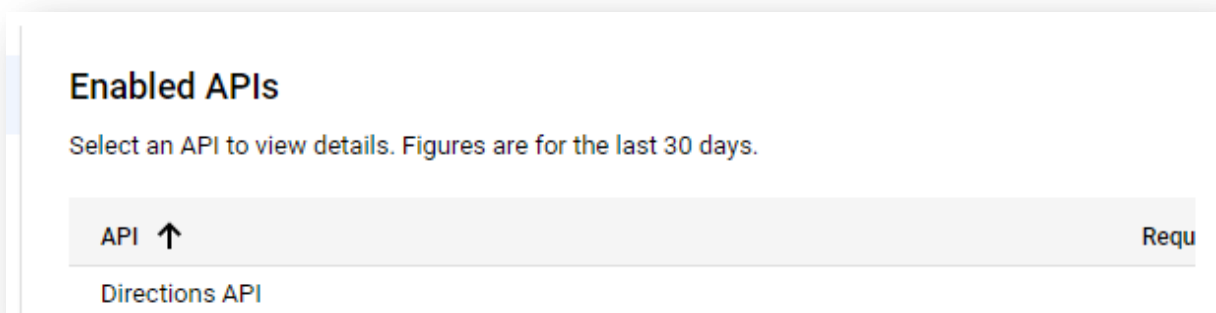
*N.B. This plugin works faultlessly on any Cart template that retains the address "Save" buttons - this means the native VM templates and 3rd party templates (flexibleweb is an example) that have the address config in Modals etc.*

*It is also tested on two one page checkouts...Rupostel and VP OPC.*

Google requires an api key for the plugin : information here:

<https://developers.google.com/maps/documentation/directions/get-api-key>

The API that is required by Google's crazily complex system is Directions API



## Installation Instructions

After downloading the package (GJC\_Radius\_Shipping\_Virtuemart\_3\_unzip\_first) first unzip it.

| Name                                 | Size    |
|--------------------------------------|---------|
| GJC_Radius_Shipping_Virtuemart_3.pdf | 1,40 MB |
| VM3_Radius.shipping_3.3.zip          | 16,9 KB |

Use the standard Joomla Installer to install the zip file VM3Radius.shipping\_3.4.2.zip

Upload Package File   Install from Directory   Install from URL

### Upload & Install Joomla Extension

Extension package file   Choose file   VM3\_Radius.s...ing\_3.3.zip

**Upload & Install**

The success message will appear

**Message**  
Installing plugin was successful.

Virtuemart 3 Shipping by Google distance from Vendor v3.3.0

Upload Package File   Install from Directory   Install from URL

## Enable Plugin:

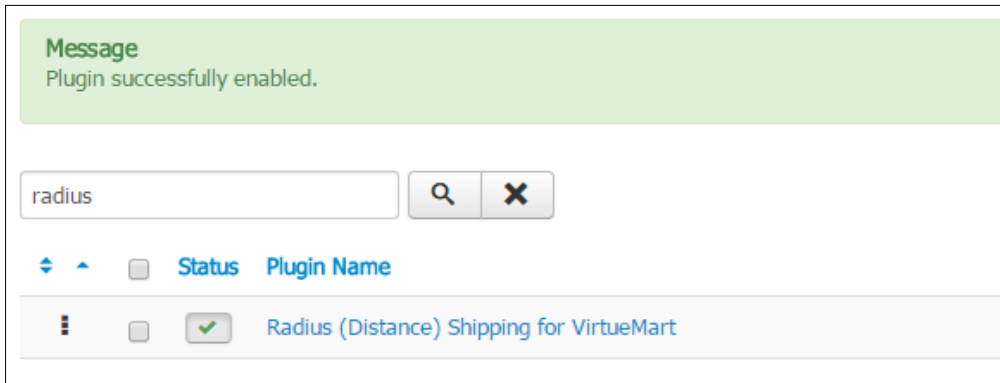
Go to Extensions->Plug-in Manager and search for 'radius'. Click the icon to enable

radius   🔍   ✕

Enable plugin   Plugin Name

☰         Radius (Distance) Shipping for VirtueMart

Enabled successfully



### Set Enable Automatic Selected Shipment? OFF!

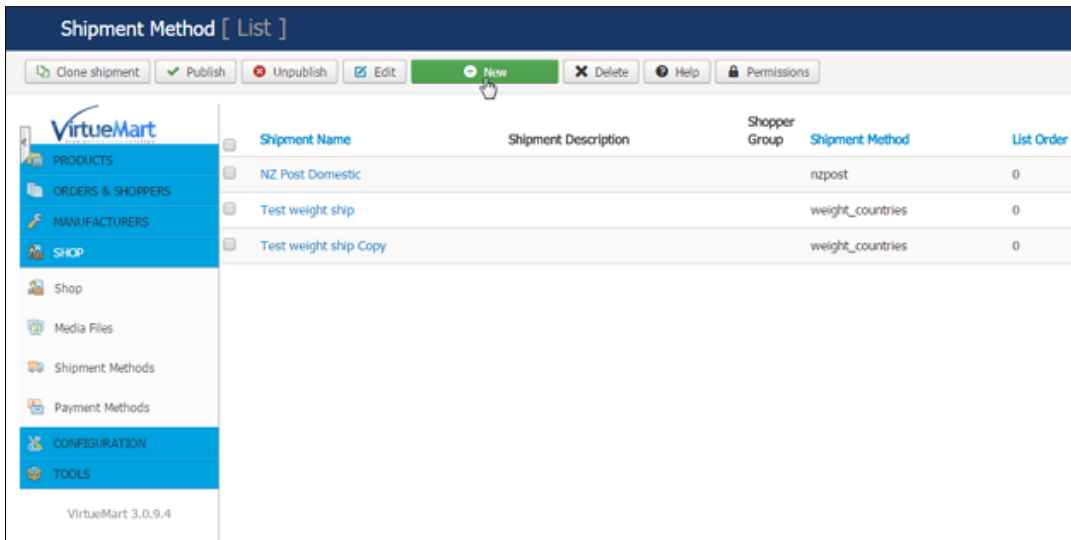
In VM Admin->Configuration->Configuration | Checkout Tab you must set the Enable Automatic Selected Shipment? to off (unchecked!) for this plugin to work correctly.

### Make 2 new Shipping Methods:

We need the Radius method but also a fallback method if Google just can't find the address . You could also make a null charge payment method to allow checking out without payment.

It also possible to have multiple methods from different supplier addresses

Now go to Components->Virtuemart and browse to Shop->Shipment methods. Click on "New".



The configuration page will open.

Give the new method a title like ' Address not found' and select ' By weight, ZIP and countries ' as the method. An explanation can go in the description and everything else is blank except for choosing the countries you deliver to.

The screenshot shows a configuration page for a shipment method. The page has two tabs: "Shipment Method Information" and "Configuration". The "Shipment Method" section contains the following fields:

- Shipment Name: Address not found
- Sef Alias: (empty)
- Published:  No  Yes
- Shipment Description: Only use this if Google can not find your address!<br />If you choose this you can still checkout and we will contact you about delivery.
- Shipment Method: VM Shipment - By weight, ZIP and countries
- Shopper Group: Available for all
- List Order: 0

Save and then click "New" again.

Give the new method a title and select ' Radius (Distance) Shipping for VirtueMart ' as the method.

The screenshot shows a configuration page for a shipment method. The page has two tabs: "Shipment Method Information" and "Configuration". The "Shipment Method" section contains the following fields:

- Shipment Name: Radius Shipping by Distance
- Sef Alias: (empty)
- Published:  No  Yes
- Shipment Description: (empty)
- Shipment Method: Radius (Distance) Shipping for VirtueMart
- Shopper Group: Available for all
- List Order: 0

## Configuration:

Now click the 'Configuration' Tab.

Select an icon (you can upload your own to /images/stories/virtuemart/shipment / ) and select the countries you want this method to apply to.

You can also set weights, number of products and cart amounts to further filter this method.

If you require tax this plugin is fully compatible with the VM native tax calculations.

The screenshot shows the 'Radius Shipping by Distance' configuration page in VirtueMart. The page is titled 'Radius Shipping by Distance' and 'Shipment Method: vm\_radius'. On the left, there is a navigation menu with 'CONFIGURATION' selected. The main content area contains the following settings:

| Field                      | Value             |
|----------------------------|-------------------|
| Logo                       | index.html        |
| Countries                  | Available for all |
| Lowest Weight              |                   |
| Highest Weight             |                   |
| Weight Unit                | Kilogramme        |
| Minimum number of products |                   |
| Maximum number of products |                   |
| Minimum order amount       |                   |
| Maximum order amount       |                   |
| Tax                        | Apply no rule     |

## Vendor Settings:

The next step is to configure which "Source Address" you want to calculate the shipping from.

You can either select the Virtuemart vendor Address (i.e. the configured shop address) or a fill in the address in the fields below this.

Choose also if you want the calculation in miles or kilometres.

The screenshot shows the 'Vendor Settings' configuration page. The page contains the following settings:

|   |  |
|---|--|
| Use configured Virtuemart Vendor Address? | <input type="checkbox"/> Virtuemart Vendor Address |
| Source Address                            | <input type="text"/>                               |
| Address 2                                 | <input type="text"/>                               |
| City                                      | <input type="text"/>                               |
| Postcode or Zipcode                       | <input type="text"/>                               |
| County or State                           | <input type="text"/>                               |
| Country                                   | Available for all                                  |
| Distance Units                            | Metric   |

## Shipping Calculation:

Now configure:

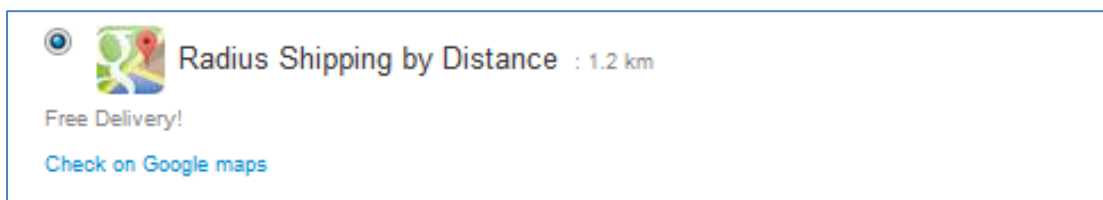
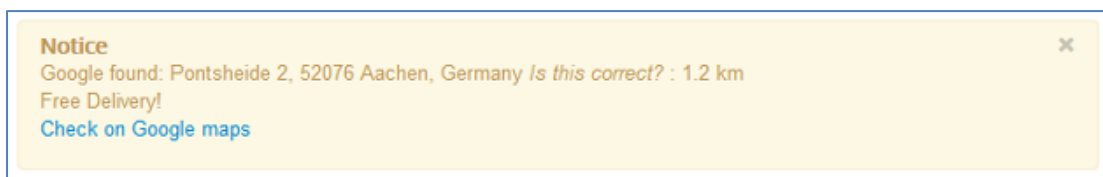
|                                   |   |
|-----------------------------------|---|
| Free shipping/delivery            | <input type="text" value="2"/>                                |
| Maximum shipping/delivery         | <input type="text" value="40"/>                               |
| Show found distance?              | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Show Gmap link?                   | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Show Gmap in Modal popup?         | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Show a link to Google Directions? | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Show VM Info?                     | <input type="radio"/> No <input checked="" type="radio"/> Yes |

1. The distance your free shipping is - if none then leave this field blank!

New in v3.3.3 is also free shipping above a certain cart value.

The message to show in the cart when this is triggered is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

FREEDELIVERY="Free Delivery!"



2. Minimum shipping/delivery - from version 3.4.1 you can now set a minimum distance that must be exceeded to trigger the method.

This allows multiple methods and differing price bands at different radius from the delivery address.

3. The maximum distance you ship to - something must be set here even if 99999!

The message to show in the cart when this is triggered is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

MAXMESSAGE="Sorry - we don't deliver so far"

**Notice** ✕

Google found: Brussels Airport, A201, 1930 Zaventem, Belgium *Is this correct?* : 136 km  
 Sorry - we don't deliver so far!  
[Check on Google maps](#)

**Radius Shipping by Distance** : 136 km

Sorry - we don't deliver so far!  
[Check on Google maps](#)

The message to show when Google can't find the address they submit is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

ERRORMESSAGE="Google can't find your address - please adjust and try again."

**Notice** ✕

Google can't find your address - please adjust and try again.

**Address not found** Only use this if Google can not find your address!  
 If you choose this you can still checkout and we will contact you about delivery.

**Radius Shipping by Distance**  
 Google can't find your address - please adjust and try again.

4. Show non valid methods : If now then when you have multiple methods ( see point 2 above ) and the method is not valid it will be hidden in the cart

5. Show found distance? You can switch off the distance display

This can also have a label found is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

RESULTTEXT="Distance"

6. Show Gmap link? You can switch off the link to Google Maps.

**Notice** ✕

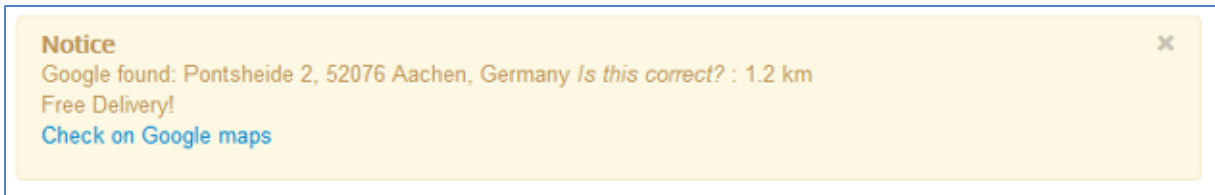
Google found: Pontsheid 2, 52076 Aachen, Germany *Is this correct?* : 1.2 km  
 Free Delivery!  
[Check on Google maps](#)

7. Show VM Info? You can switch off the VM Info messages

Check text 1 & 2. This is the text either side of the address and distance is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

CHECKTEXT="Google found"

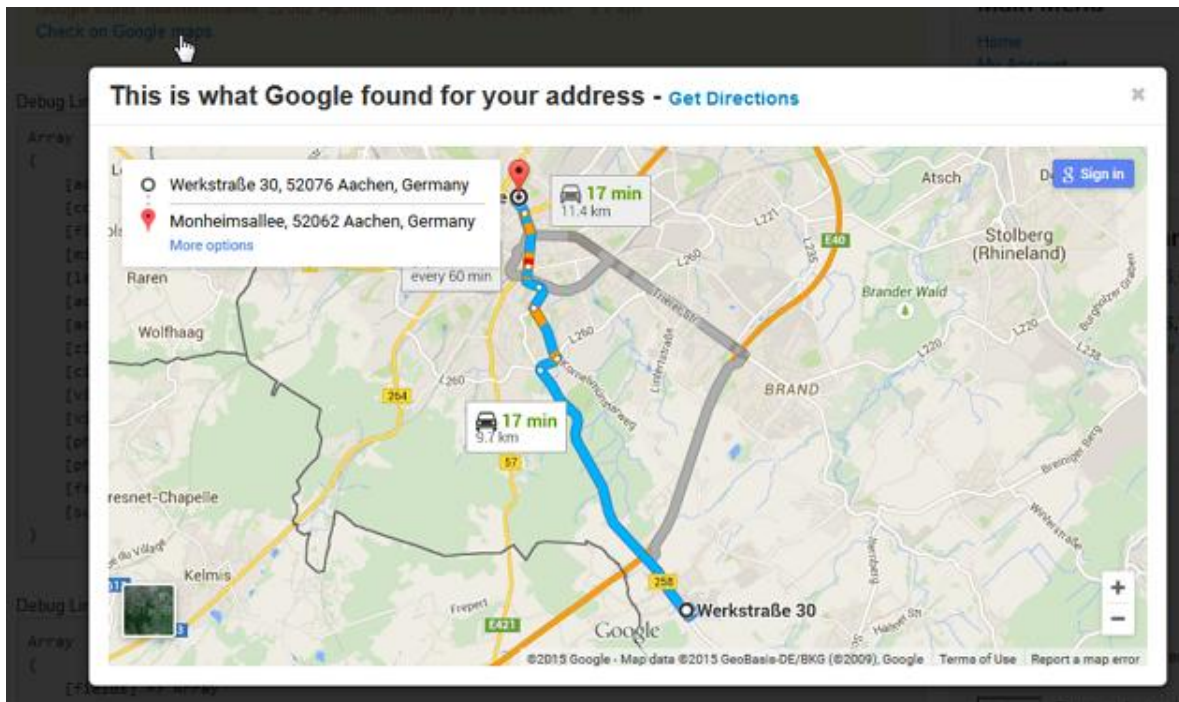
CHECKTEXT2="<em>Is this correct?</em>"



8. Show Gmap in a Modal popup? To show the map in a modal pop you need to install

<http://www.nonumber.nl>. excellent "Modals" plugin. The free version is enough.

It appears in the latest browsers that it is not possible to open an external webpage in a popup...



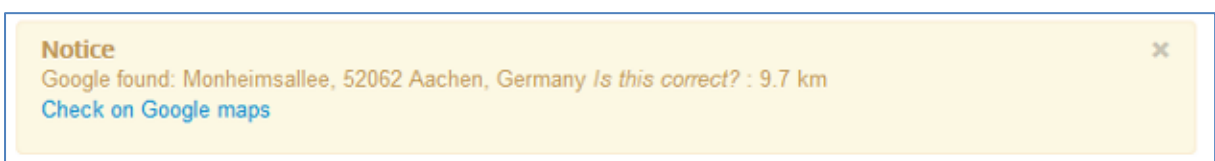
A link directly to the Google map is provided so the customer can check their address is understood accurately. The text is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.

LINKMESSAGE="Check on Google maps"

The normal message has a class="addressfound".

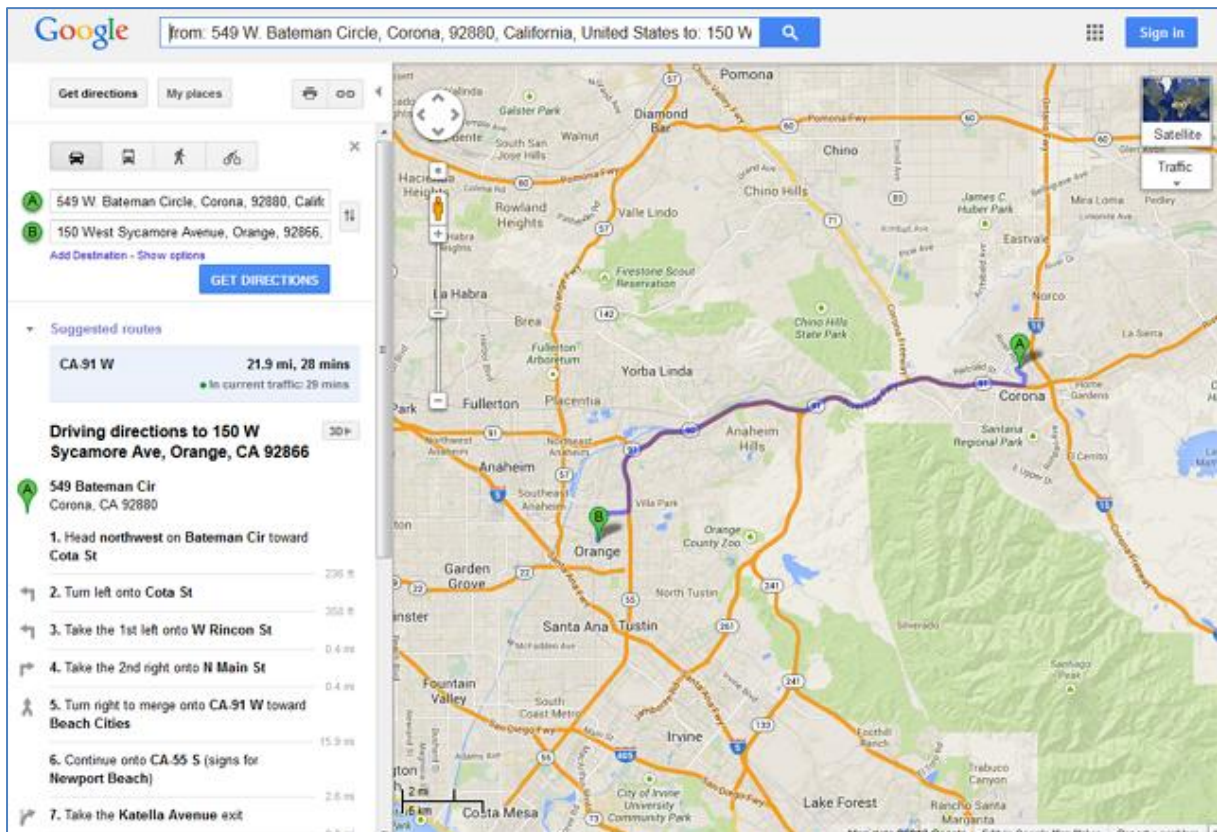
e.g. if you would like the label text dark grey just add in your css

```
.addressfound {color:#333;}
```

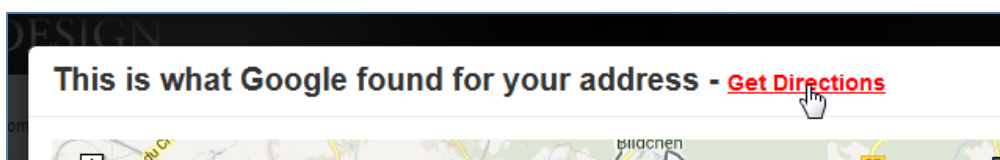


This link is also stored with the order and available in the Admin so the Store Owner can also check the accuracy.

| Shipment           |   | Payment Method                  |  |
|--------------------|---|---------------------------------|--|
| Shipment Name      | Radius Shipping by Distance Distances by Google maps - Distance: 17.9 mi<br>2864 North Tustin Street, Orange, CA 92865, USA<br><a href="#">Check on Google maps</a> | Payment Name                    | Bank Transfer<br>Transfer to: Bank: The Bank<br>Account: 0000123 |
| Order Weight       | 1.0000 Kilogramme   | Total in Payment Currency       | 27.00000 EUR   |
| Shipment Cost      | 17,00 €   | STANDARD_PAYMENT_EMAIL_CURRENCY | 47   |
| Default Base Price | 2,00 €  |                                 |  |
| Tax                | 0   |                                 |  |



9. Show a link to Google Directions? If this is yes a link is provided in the Modal popup to open a new window with the directions. The text is a language constant in administrator/language/en-GB/en-GB.plg\_vmshipment\_vm\_radius.ini.  
GETDIRECTIONS="Get Directions"



N.B. If you don't need any of these labels just leave the language constant empty.

## Gmap coordinates:

It is also possible to use Gmap coordinates for the shopper but these need to be configured in the VM Shopper fields. Go to Shopper Field where you need to make a new fields with the following parameters. The "Field name" must be gmap!!!

The screenshot shows the 'Shopper Field List' interface. At the top, there are buttons for 'New', 'Edit', 'Required', 'Not Required', 'Publish', 'Unpublish', and 'Registration'. Below these are buttons for 'Account' and 'Delete'. A sidebar on the left contains a navigation menu with 'PRODUCTS', 'ORDERS & SHOPPERS', 'MANUFACTURERS', 'SHOP', and 'CONFIGURATION'. Under 'CONFIGURATION', there are sub-items for 'Configuration' and 'Shopper Fields'. The main area displays a table of fields with columns for 'Field name', 'Field title', 'Field type', and 'Required'. The table contains three rows: 'delimiter\_sendregistration' (Send Registration, delimiter, Not Required), 'email' (E-Mail, emailaddress, Required), and 'username' (Username, text, Required). A filter box and 'Go'/'Reset' buttons are at the top right of the table area.

The screenshot shows the 'Shopper Field Details' configuration page. The 'Field type' is set to 'Text Field'. Under 'Textfield attributes', there is a 'Max Length' input field. The 'Field name' is 'gmap' and the 'Field title' is 'Gmap coordinates'. A rich text editor is used for the description, containing the text: 'If Google is having problems finding your address you can enter your latitude and longitude (comma separated, no spaces)'. Below the editor, there are several configuration options: 'Default' (empty), 'Required' (radio buttons for No and Yes), 'Show in registration form' (radio buttons for No and Yes), 'Show in account maintenance' (radio buttons for No and Yes), 'Show in shipment form' (radio buttons for No and Yes), 'Read-Only' (radio buttons for No and Yes), and 'Published' (radio buttons for No and Yes). At the bottom, there are input fields for 'Field Size' and 'Ordering'.

Map Coordinates

50.7801295, 6.0919897

If the customer fills this field the Google api will use it and ignore the other fields.

## Shipping Calculation Type: - General

You can choose between two general methods of shipping calculation -

**Shipping Options:** Choose whether you want to use a Multiplier system or distance Sectors - see further below

This is a little complex so please read through so all points are understood!

|  |   |
|--|---|
| Shipping Options                               | <input type="text" value="Multipliers"/>                      |
| Round shipping/delivery value to nearest value | <input type="text" value="No"/>                               |
| Set Fee  | <input type="text"/>  |
| Use weight in calculation                      | <input checked="" type="radio"/> No <input type="radio"/> Yes |

**Rounding:** As this method will of couse produce very exact sums e.g. \$3.57 we have included rounding either to the nearest .50 or full unit. e.g. \$

**Set Fee:** You can also add an additional set fee to all calculations

**Weight:** You can also factor in weight to the equation. It will be multiplied along with the multiplier and distance.

**quantity:** You can also factor in quantity to the equation. It will be multiplied along with the multiplier and distance.

e.g. In the example above if the product weight was 5kg the calculation would be:3.19km x 5kg x 5.20multiplier = \$82.94

## Variable Set Fee

You can set up a matrix of distance/fee to cover things like set costs for long distance (this is especially useful for service deliveries etc).

These need the following syntax:

distance\_from\_source\*fee,distance\_from\_source\*fee,distance\_from\_source\*fee,x,fee

e.g. 10\*20.00,20\*30.00,30\*40.00,x\*50.00

In the above example any distance up to 10km will be charged a \$20.00 fee, up to 20km - \$30.00, up to 30km - \$40.00, everything over 40km (up to a Max if set) will have a set \$50.00 fee added to the calculated price.

Weight setting, Set Fee, Free setting and Max setting will of course over ride or be incl. with this calculation. This can be used in conjunction with Multiplier or Sector pricing.

Make sure your sector schema if using covers all the distances up to max.

If no max make sure the final figure (with the 'x') is correctly filled!!

|                  |                                    |
|------------------|------------------------------------|
| Variable Set Fee | 10*20.00,20*30.00,30*40.00,x*50.00 |
|------------------|------------------------------------|

Experiment during your setup with Minor Debugging switched on and you can see the calculations printed out. (see further below in the debugging section)

**Minor Debug - GJC VM Radius Plugin**

**For information only - switch off in config**

*Destination Address is 150 West Sycamore Avenue, Orange, CA 92866, USA*

**Multiplier**

*Calc: Multiplier (0.30) X Distance (21.9) X Weight (3) = 19.71*

*Calc: Rounded = 19.5*

*Calc: Add set fee (2.00) = 21.5*

*Calc: Tax - If you have tax set VM will now add it to the total*

**Multiplier: here a simple cost per unit is used.**

If you choose this method simply enter an integer (no units) in the field.

e.g. This amount will multiply against each unit of distance (km or mile) e.g. 5.20

So in this case each km (or portion of if no rounding) would be charged \$5.20 per km - e.g. if 3.19km the  $3.19 \times 5.20 = \$16.59$

If rounding were applied (half unit) the price would round to the nearest e.g. 50 cents - in this case \$16.50.

If rounding were applied (full unit) the price would round to the nearest full unit e.g. \$17.00

If weight was included in the above example then the charge would be for e.g. a 3kg package:  $3.19\text{km} \times 5.20 \times 3\text{kg} = \$49.77$  , then rounding would be applied.

Weight setting, Set Fee, Free setting and Max setting will of course over ride or be incl. with this calculation. (see below)

|                   |      |
|-------------------|------|
| Multiplier amount | 0.30 |
|-------------------|------|

**Sectors:**

If you have chosen **Sectors** paste in a comma separated list of parameters.

These need the following syntax:

distance\_from\_source\*price,distance\_from\_source\*price,distance\_from\_source\*price,x,price

e.g. 2\*5.20,4\*8.00,10\*12.00,x\*20.00

You can have as many sectors as you want. Keep everything on one line - no line breaks!!

In the above example any distance up to 2 km will be charged \$5.20, up to 4km - \$8.00, up to 10km - \$12.00, everything over 10km (up to a Max if set) will cost \$20.00.

Weight setting, Set Fee, Free setting and Max setting will of course over ride or be incl. with this calculation.

Rounding is ignored.

Make sure your sector schema if using covers all the distances up to max.

If no max make sure the final figure (with the 'x') is correctly filled!!

|                |  |
|----------------|--|
| Radius Sectors | 2*5.20,4*8.00,10*12.00,20*15.00,30*20.00,x*40.00 |
|----------------|--|

## Debug:

We include full debugging.

**Full Debug:** shows everything - particularly useful for connection problems with Google etc as it includes full cURL debugging.

**Minor Debug:** this is very useful for setting up your rates - you can even enter a dummy distance to help with your setup!

There are also 2 useful settings - a "**Test Distance**" to check your calculations and a "**Test Google Fail**" setting to check how your site handles the situation when Google can't find the address.

|                  |   |
|------------------|---|
| Full Debug on?   | <input checked="" type="radio"/> No <input type="radio"/> Yes |
| Minor Debug on?  | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Test Distance    | <input type="text"/>  |
| Test Google Fail | <input checked="" type="radio"/> No <input type="radio"/> Yes |

## Improving the display

You can add a bit of css and get rid of the Discount/Fee: label to tidy the layout.

**Discount/Fee:** - language/en-GB/en-GB.com\_virtuemart.ini around line 254

change to COM\_VIRTUEMART\_PLUGIN\_COST\_DISPLAY=""

**css** - add the following at the bottom of your (normally)  
components/com\_virtuemart/assets/css/vmsite-ltr.css

```
input[type='radio'][name='virtuemart_shipmentmethod_id'] {
margin:0 0 0px 0;

}
span.vmshipment_description, span.vmshipment_cost {
margin:0 0 5px 0;
display:inline;
}
.vmshipment_cost {
color: #FF0000;
}
.radiusshipmentname, .vmshipment_name{
font-weight: bold;
}
.radiusmethods input {
cursor: pointer;
}
```

## Adding \$0.00 when free post is triggered

If you need the \$0.00 to appear in the Cart when free shipping is triggered you need to replace the shipping price table cell in your **cart/tmpl/default\_pricelist.php** around line 334 on the default template the following code found here:

```
<td align="right"><?php
    if(empty($this->cart-
>pricesUnformatted['salesPriceShipment'])) {
        echo $this->currencyDisplay->createPriceDiv
('salesPriceShipment', '', '0.00', FALSE);
    }else{
        echo $this->currencyDisplay->createPriceDiv
('salesPriceShipment', '', $this->cart-
>pricesUnformatted['salesPriceShipment'], FALSE);
    }?> </td>
```

## CSS for labels etc

All labels and messages have there own css classes and id's for easy targeting.

All displays on the cart and shipping select are surrounded by a class=" radiusmethods" div.

Free message has a class=" freelabel".

e.g. if you would like the free text red just add in your css

```
.freelabel {color:#ff0000;}
```

Maximum message has a class="maxlabel".

e.g. if you would like the maximum label text red just add in your css

```
.maxlabel {color:#ff0000;}
```

Error message has a class="errorlabel".

e.g. if you would like the error label text red just add in your css

```
.errorlabel {color:#ff0000;}
```

The normal message has a class="radiuslabel".

e.g. if you would like the label text dark grey just add in your css

```
.radiuslabel {color:#333;}
```

**Remember - the purchase of this plugin allows you free updates for 6 months after the date of purchase.**

**If you are in the qualifying period simple contact me through my website for your update**

Just use our [Support Page](#) and request your update - please mention your order id and email you used while ordering.

We will email you the new zip bundle - just re-install as normal - all your methods and settings will be saved.

**Full debugging available:**

If for any reason the VirtueMart 3 Radius Shipping Plugin doesn't return what you expected debugging is a breeze. Simply switch on the debugging option in the Radius Shipping plugin options and a full and complete readout of everything the system is calculating and receiving from Google is printed out. Any problems are simple to diagnose! - even full cURL debugging to diagnose any connection problems.

There are also 2 useful settings - a test distance to check your calculations and a "fail" setting to check how your site handles the situation when Google can't find the address.

|                  |   |
|------------------|---|
| Full Debug on?   | <input checked="" type="radio"/> No <input type="radio"/> Yes |
| Minor Debug on?  | <input type="radio"/> No <input checked="" type="radio"/> Yes |
| Test Distance    | <input type="text" value="7"/>                                |
| Test Google Fail | <input type="radio"/> No <input checked="" type="radio"/> Yes |

You are here: [Home](#) ▶ [Shopping cart](#) ▶ Select shipment

**Minor Debug - GJC VM Radius Plugin**  
**For information only - switch off in config**  
 Destination Address is  
**You are using a test distance of 7 !!!**  
**You are using test fail !!!**  
 Google can't find your address - please adjust and try again.  
 flag is 3  
 Radius return is 0

**Please select a shipment method**

---

**Collection**

**Distance Shipping** -- Google can't find your address - please adjust and try again.

You are here: [Home](#) ▶ [Shopping cart](#) ▶ Select shipment

**Minor Debug - GJC VM Radius Plugin**  
**For information only - switch off in config**  
 Destination Address is 150 West Sycamore Avenue, Orange, CA 92866, USA  
**You are using a test distance of 7 !!!**  
**Sector**  
 Calc: Sector cost (12.00) for a distance (7)  
 Calc: Sector cost (0.70) X Weight (2.7) = 32.4  
 Calc: Add set fee (2.00) = 34.4  
 Calc: Tax - If you have tax set VM will now add it to the total

**Please select a shipment method**

---

**Collection**

**Distance Shipping** - 21.9 mi - 150 West Sycamore Avenue, Orange, CA 92866, USA  
 Check on Google maps - **Cost: \$41.62**

Our plugin is relatively simple to install and configure and if you need any help we are always here. Just read some of the reviews on Joomla Extensions to see what other customers think of our service!

<http://extensions.joomla.org/extensions/extension-specific/virtuemart-extensions/virtuemart-shipping/20740>

e.g

***Genius! HEIDI SUTHERLAND (7). Posted on 17 February 2015***

Functionality

Very easy to use and great set of instructions too. Works flawlessly and calculates cost to delivery very excellently.

Ease of use

Very easy to setup & instructions are great. On the front end the user doesn't actually need to do anything apart from enter their address.

Support

Top notch! had an issue downloading but got an instant reply and everything was sorted quickly and easily.

Documentation

Excellent- easy to understand with screenshot pictures too.

Value for money

Absolutely!

We hope you are happy with your Radius Shipping plugin and would love to hear any feedback or suggestions. Any reviews are of course encouraged at Joomla Extensions.

Thank you,

John



## Change Log

- \* 21.07.2014 v1.1.3 - improved vendor address find
- \* 28.06.2015 v3.3.0 - Joomla 3 / VM3
- \* 20.10.2015 v3.3.0 - fixed comma return on long distances - line 559
- \* 15.02.2015 v3.3.2 - coded category filtering - line 893
- \* 21.03.2015 v3.3.2 - above cart price free - line 627 & 562
- \* 01.01.2017 v3.3.4 - update server added
- \* 24.07.2017 v3.3.4\_q click - multiply by quantity
- \* 02.08.2017 v3.3.5 - dynamic trigger added on radios
- \* 11.01.2018 v3.3.6 - fix for multiple countries in xml
- \* 07.03.2018 v3.3.7 - convert cookies to session - Gmap api key - fix for multi methods
- \* 01.08.2020 v3.4.0 - check coords empty `if(isset($address['gmap']) && !empty($address['gmap']))` line 461
- \* 01.08.2020 v3.4.1 - added min distance - lines 697 + 1423
- \* 03.12.2020 v3.4.2 - fixed php notices
- \* 06.07.2022 v4.0.0 - upgrades for VM4
- \* 25.07.2024 v4.0.1 - removed zip spaces in queries and state spaces if not set