

---

# **CM K2StepByStep Documentation**

***Release 1.0.0***

**CMExtension**

February 14, 2016



<b>1</b>	<b>Features</b>	<b>3</b>
<b>2</b>	<b>Technical Requirements</b>	<b>5</b>
2.1	Installation . . . . .	5
2.2	Create Steps . . . . .	5
2.3	Override . . . . .	14
2.4	Translation . . . . .	14



CM K2 StepByStep is a plugin for K2 component. The plugin helps you split K2 article into multiple pages. The purposes of this are many, you can think of:

- Make long article easy to read.
- Make page load faster.
- Drive more page views.
- Drive more ads impressions.
- Allow visitors get a quick impression of the length of the article.

The idea of this plugin is for tutorial articles which have many steps, similar to [Instructables](#), but you can use the plugin for other kinds of article as well, for example for blogs like [Diply](#).

CM K2 StepByStep plugin comes with another plugin (Finder - CMK2StepByStep). This plugin helps us delete the steps and the step's images of a K2 item when the item is deleted.



---

# Features

---

### Back-end:

- Add, edit and delete steps.
- Have unlimited images, videos, attachments for each step.
- Supports Vimeo and Youtube videos.

### Front-end:

- Navigation options: go to previous step or next step, jump to specific step.
- Ability to view the article in 1 single page.
- Full screen zoom for step's images.
- Compatible with Bootstrap 2 and 3.





---

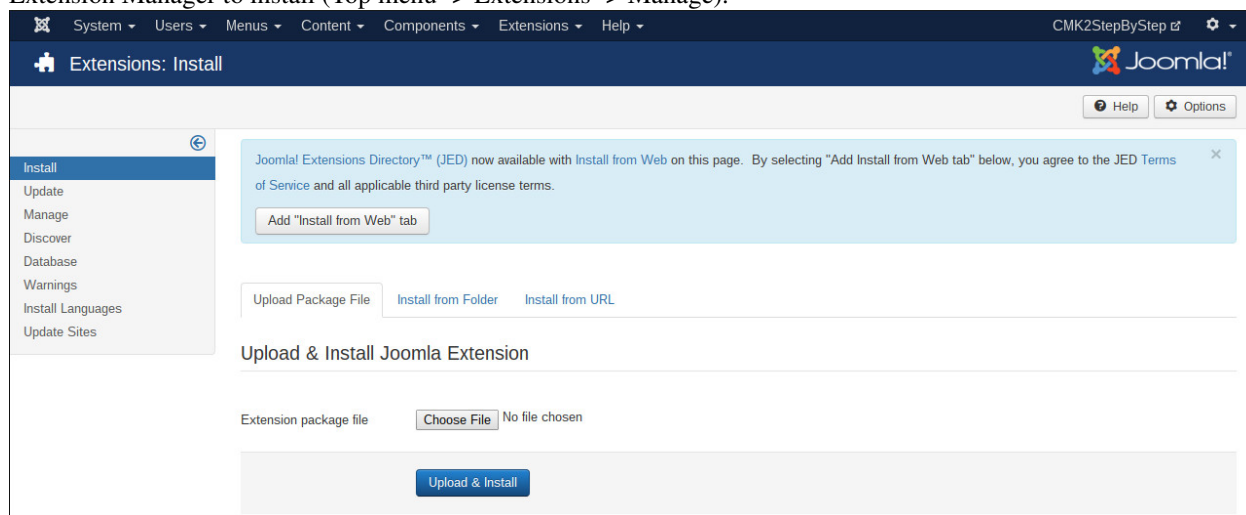
## Technical Requirements

---

- **Joomla! 3.x.x:** CM K2 StepByStep is **NOT** compatible with Joomla! 1.x.x or 2.x.x, only Joomla! 3.x.x is supported. Please check [Joomla! 3's Technical Requirements](#) for more information.
- **K2:** CM K2 StepByStep was tested on K2 2.6.9. CM K2 StepByStep could be compatible with older versions of K2, but this is not tested yet.

### 2.1 Installation

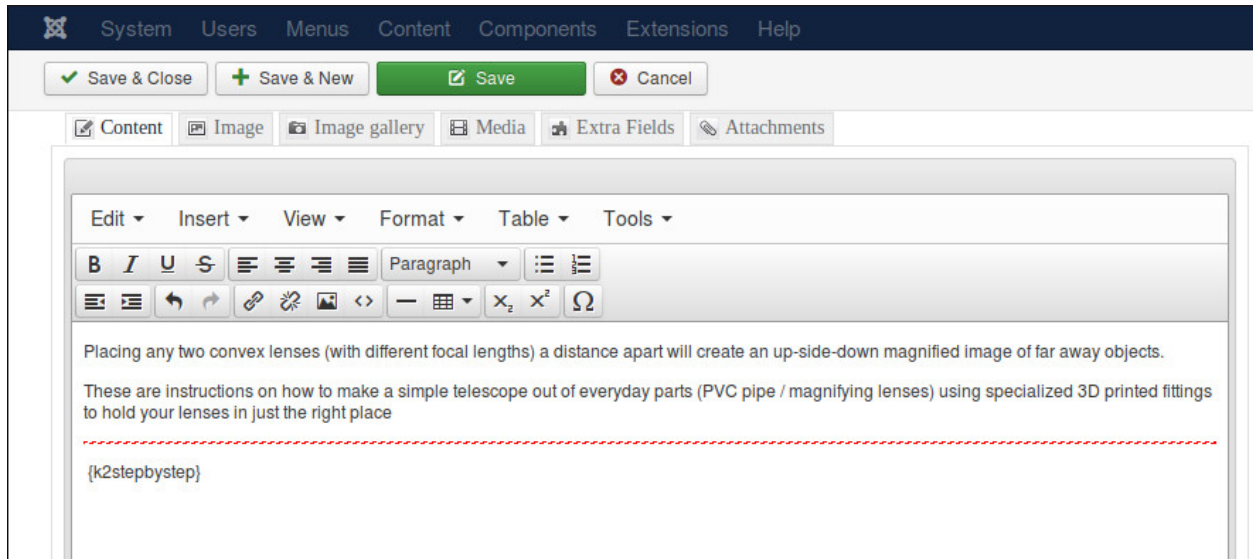
Installation is easy, just like installing any other Joomla! extension. You just need to use the available tools in Extension Manager to install (Top menu -> Extensions -> Manage).



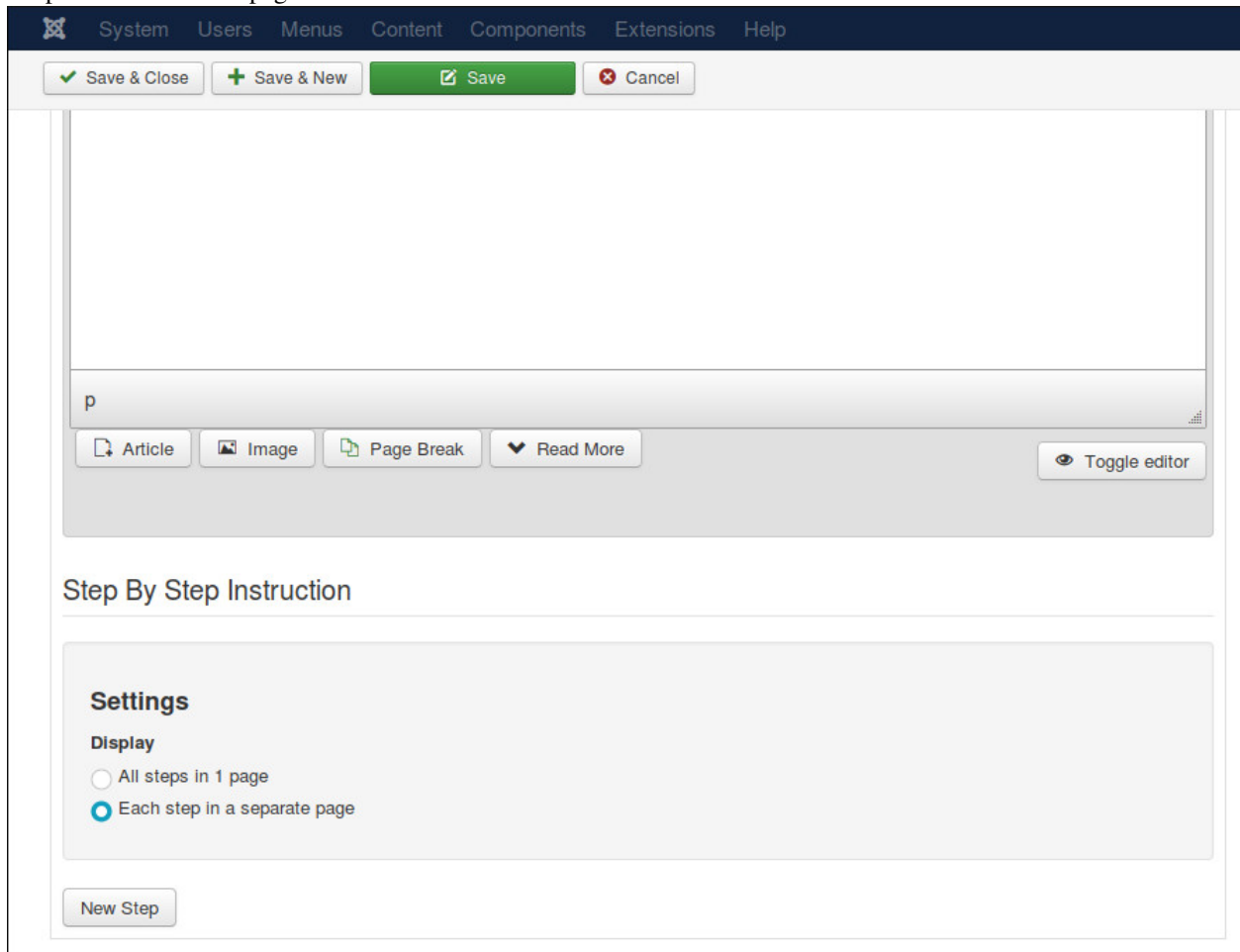
Using “Upload Package File” tab to upload the ZIP package of CM K2 StepByStep to install is the easiest and fastest way.

### 2.2 Create Steps

Access K2's item list in back-end, create a new item or edit your existing one. In your item's content, insert the tag “{k2stepbystep}” where you want your steps to be shown.



Below the content editor is the fields for steps. In Display setting, you can configure to show the steps in 1 single page or split them into multipages.



To add a new step, you click “New Step” button.

In “Step” field, you enter the number of the step, this number decides what step is shown first. This number is not shown in front-end, for example, you have 3 steps with the step numbers 1, 3 and 5, in front-end you see 3 steps 1,2, and 3, not 1, 3 and 5.

You enter step’s title and step’s instruction into “Title” and “Instruction” fields.

To add an image to the step, you click “Add Image” button and select/upload an image with K2’s file manager.

SystemUsersMenusContentComponentsExtensionsHelp






















Step

1

Title

Assemble Materials

Instruction

<>1B / U S                       

System Users Menus Content Components Extensions Help

Tags

Write a tag and press "return" or "comma" to add it.

Featured ☒ No ☐ Yes

Published ☐ No ☒ Yes

Content Image Image gallery Media Extra Fields Attachments

Add attachment field (Max upload size: 100M)

Browse... No file selected. or select a file on the server /images/demo/2/TelescopeBack.stl Remove

Link title (optional)

Link title attribute (optional)

Browse... No file selected. or select a file on the server /images/demo/2/TelescopeFront.stl Remove

Link title (optional)

Link title attribute (optional)

After you save K2 item, you copy the filename of the attachment you want to add to your step.

System Users Menus Content Components Extensions Help

Title alias (URL)

Category

Tags

Write a tag and press "return" or "comma" to add it.

Featured ☒ No ☐ Yes

Published ☐ No ☒ Yes

Content Image Image gallery Media Extra Fields Attachments

Filename	Title	Title attribute	Downloads	Operations
TelescopeBack.stl			0	<input type="button" value="Download"/> <input type="button" value="Delete"/>
TelescopeFront.stl			0	<input type="button" value="Download"/> <input type="button" value="Delete"/>

Add attachment field (Max upload size: 100M)

Paste the filename into “Attachments” field of your step. To add a new attachment you click “Add Attachment” button.

The screenshot displays the CM K2StepByStep interface. At the top is a navigation bar with links: System, Users, Menus, Content, Components, Extensions, and Help. Below this is a toolbar with four buttons: 'Save & Close' (green checkmark), 'Save & New' (green plus), 'Save' (green checkmark), and 'Cancel' (red X). The main content area is divided into several sections. At the top, under 'What You Need:', there is a list of requirements: '2" PVC Pipe (about 6-12 inches)', 'Magnifying lenses of different focal lengths (like these <http://amzn.com/B003BHW5GQ>)', and 'Access to a 3D printer and these files'. Below this is a large empty text area. The bottom section is divided into three columns: 'Images', 'Attachments', and 'Videos'. The 'Images' column has a 'Select' button, a text input field containing '/images/demo/2', a small image of a telescope, and an 'Add Image' button. The 'Attachments' column has two text input fields, both containing 'TelescopeBack.stl', each with a delete button (X), and an 'Add Attachment' button. The 'Videos' column has an 'Add Video' button. At the bottom left, there is a 'Status' section with a checked checkbox labeled 'Published' and a 'New Step' button. At the bottom right, there is a 'Delete' button.

To add another step, you click “New Step” button, the new step is added below the last step. To change the ordering of your steps, you just need to adjust their step numbers.

The screenshot shows the CM K2StepByStep editor interface. At the top, there is a navigation bar with tabs: System, Users, Menus, Content, Components, Extensions, and Help. Below this is a toolbar with buttons: Save & Close, Save & New, Save, and Cancel. The main content area has a 'Select' button, a file path input field (currently showing '/images/demo/'), and a small image thumbnail. To the right, there are two input fields for 'TelescopeBack.stl' with 'X' buttons to remove them, and an 'Add Video' button. Below these are 'Add Image' and 'Add Attachment' buttons. The 'Status' section shows a checked 'Published' checkbox and a 'Delete' button. The 'Step' section has a text input field. The 'Title' section has a text input field. The 'Instruction' section has a rich text editor toolbar with various formatting options (bold, italic, underline, strikethrough, link, unlink, list, indent, outdent, etc.) and a large text area for the instruction content.

To add a Youtube or Vimeo video, you click “Add Video” button and paste your Youtube or Vimeo video link into the field.

The screenshot shows the CM K2StepByStep editor interface with the 'Add Video' button highlighted. Below the toolbar, there is a tabbed interface with tabs: Content, Image, Image gallery, Media, Extra Fields, and Attachments. The 'Content' tab is active, showing a rich text editor with a toolbar (Edit, Insert, View, Format, Table, Tools) and a text area. The text area contains the following text:
 

Placing any two convex lenses (with different focal lengths) a distance apart will create an up-side-down magnified image of far away objects.

These are instructions on how to make a simple telescope out of everyday parts (PVC pipe / magnifying lenses) using specialized 3D printed fittings to hold your lenses in just the right place

-----

{k2stepbystep}

In front-end, if you show steps in multipages, you can see the first step is shown where you put the tab “{k2stepbystep}” on K2 item page. At the bottom of the step, there is a navigation section where you can view all steps in 1 page, go to the next/previous step or a specific step (all of these depend on what you configure in CM K2StepByStep plugin).



# How to Make a PVC Telescope

Written by [Super User](#)

font size   [Print](#) [Email](#) [Be the first to comment!](#)

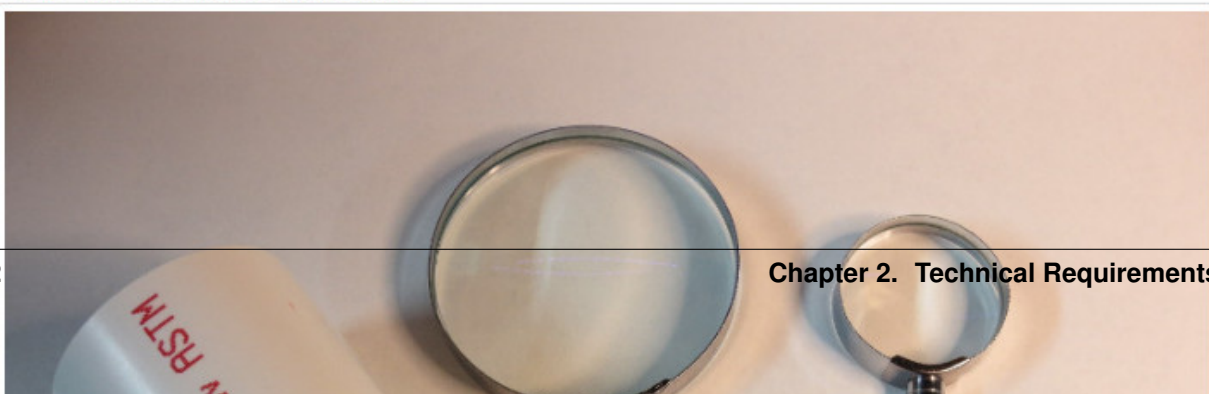
Rate this item      (0 votes)



Placing any two convex lenses (with different focal lengths) a distance apart will create an up-side-down magnified image of far away objects.

These are instructions on how to make a simple telescope out of everyday parts (PVC pipe / magnifying lenses) using specialized 3D printed fittings to hold your lenses in just the right place

## Step 1: Assemble Materials





Go to the page of another step, you can see there is only that step shown. Other steps or K2 item's content is not shown.

# How to Make a PVC Telescope

Written by [Super User](#)

font size  [Print](#) [Email](#) [Be the first to comment!](#)

Rate this item  (0 votes)

## Step 6: Press lenses Into place



At this point you've probably been handling the lenses a bit, clean them (especially the inside side) before you press them into the fittings. If they are a little hard to press in, cover them with something padded and tap them in with something heavy like a block of wood

[◀ Step 5](#) [Step 6](#) [Step 7 ▶](#)

[View All Steps](#)

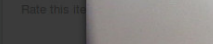
Click on the step's image to view the image (and other images) in fullscreen popup.

## CMK2StepByStep



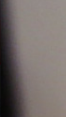

Thursday, 6/1/17

# How to Make a PVC Telescope

Written by [Super User](#)

Rate this item  (0 votes)

## Step 6: Press lenses Into place



At this point you've probably been handling the lenses a bit, clean them (especially the inside side) before you press them into the fittings. If they are a little hard to press in, cover them with something padded and tap them in with something heavy like a block of wood

[◀ Step 5](#) [Step 6](#) [Step 7 ▶](#)

[View All Steps](#)

Read 170 5

[Twitter](#)

Published [Step 6: Press lenses Into place](#) 2 of 4

Download attachments: [Telescope Back](#) (Download) [Telescope Front](#) (Download)

[Download Files](#)



## 2.3 Override

To customize the output of CM K2StepByStep in front-end, we recommend you override it by using the below method, instead of modifying CM K2StepByStep's file directly. In this way your customizations will not be lost because the files are overwritten everytime you update CM K2StepByStep.

To customize the output of the steps, you copy the files `plugins/k2/cmkk2stepbystep/layouts/step.php` to `plugins/k2/cmkk2stepbystep/overrides` folder, then start customizing `step.php` file in "overrides" folder.

To customize the output of navigation section, you do the same with the file `plugins/k2/cmkk2stepbystep/layouts/navigation.php`.

## 2.4 Translation

The language strings of CM K2StepByStep are stored in `plugins/k2/cmkk2stepbystep/language/en-GB/` folder. You can refer to these files to override the text with your own one by using Joomla! language override tool in back-end.