

USER MANUAL

MultiTool for Joomla

Favicon · Icons · Open Graph · Generator · Microdata — from a single panel

System - MultiTool (Plus4J) · version 1.0.0 · Joomla 6.x · Cassiopeia template

MultiTool is a system plugin that brings together, in a single tabbed panel, several settings for the site's <head> that usually require separate extensions. It is designed for Joomla 6.x and solves, among other things, the difficulty of changing the favicon with the Cassiopeia template.

1. Requirements and installation

Requirements: Joomla 6.x. The plugin acts on the site frontend only and does not modify any template file.

- 1 In the administrator panel go to **System** → **Install** → **Extensions**.
- 2 Drag the `plg_system_multitool_v1.0.0.zip` file onto the upload area.
- 3 Open **System** → **Plugins** and search for **"MultiTool"**.
- 4 Open the plugin, configure the tabs and set the status to **Enabled**. Save.

Each tab has its own on/off switch: settings are applied only when the corresponding tab is enabled. You can use just the features you need.

2. The tabbed panel

Options are grouped into five tabs: **Favicon**, **Touch/shortcut icons**, **Open Graph**, **Generator** and **Microdata**. Images are always chosen with Joomla's media manager.

3. Favicon

Cassiopeia offers no favicon setting: it relies on the `/favicon.ico` file. With this tab you set a custom favicon on every page without touching the template.

Field	What it does
Enable custom favicon	Inserts a <code><link rel="icon"></code> tag pointing to the chosen file.
Favicon file	The favicon to use (<code>.ico</code> , <code>.png</code> or <code>.svg</code>). Recommended 32×32 or 48×48.
Replace existing icon tags	Removes any favicon link already added by the template, to avoid duplicates. Recommended: Yes.

4. Touch / shortcut icons

Icons used when a page is saved to a device's home screen or shown as an app shortcut (iOS, Android, PWA). Use square PNG files.

Field	What it does
Enable touch/shortcut icons	Adds the <code>apple-touch-icon</code> and PNG icon tags to the <code><head></code> .
Apple touch icon (180×180)	Icon for the iOS home screen.
PNG icon (192×192)	Android / PWA icon.
PNG icon (512×512)	High-resolution Android / PWA icon.

The preview shown when you share a link on **WhatsApp**, Facebook or Telegram does **not** come from these icons, but from the Open Graph image (`og:image`): set it in the Open Graph tab.

5. Open Graph meta

Controls the title, description and image shown when your pages are shared on social networks and messaging apps. With the **dynamic fallback**, the values adapt to the current page.

Field	What it does
Enable Open Graph	Outputs the <code>og:</code> meta tags on frontend pages.
Dynamic fallback	When enabled, <code>og:title</code> and <code>og:description</code> use the current page's title and meta description; the values below act as a fallback. <code>og:url</code> always reflects the current page.
Site name (og:site_name)	Leave empty to use the site name from Global Configuration.
Default title (og:title)	Fallback title when the page title is not available.
Default description	Fallback description when the page has no meta description.
Default image (og:image)	Preview image for shared links. Recommended 1200×630. This is the image WhatsApp and social networks display.
Type (og:type)	Usually <code>website</code> ; <code>article</code> for blogs.
Locale (og:locale)	For example <code>en_GB</code> .
Twitter/X card	Outputs the <code>twitter:card</code> meta reusing the Open Graph values. You can pick the card type and set your account.

6. Generator

By default Joomla adds `<meta name="generator" content="Joomla! - Open Source Content Management">`. Here you decide how to handle it.

Mode	Effect
Keep the Joomla default	No change: the default tag remains.
Hide	Removes the generator tag entirely (like Bye-Bye Generator).
Custom text	Replaces the tag content with your own text.

7. Microdata (JSON-LD)

Injects schema.org structured data in JSON-LD format to help search engines. Choose the **case** that fits your site: only the relevant fields will appear.

Available cases

- **Organization + WebSite** — organization data (name, logo, URL, social profiles) and the website.
- **Local business (LocalBusiness)** — with address, phone, price range, geo-coordinates and hours.
- **Person** — name, job title, image and social profiles.
- **Custom JSON-LD** — a free field to paste your own JSON-LD block.

Field	What it does
Name	Organization, business or person name. Empty = site name.
URL	Main URL. Empty = site root.
Logo / image	Logo (Organization) or photo (Person). The absolute URL is generated automatically.
Social profiles (sameAs)	One URL per line (Facebook, Instagram, LinkedIn, YouTube...).
Local business fields	Phone, address (street, city, region, postal code, country), price range, latitude/longitude, opening hours (one per line, e.g. <code>Mo-Fr 09:00-18:00</code>).
Job title (Person)	The profession, e.g. Web Designer.
Custom JSON-LD	A valid JSON-LD block (without the script tag), output as-is.

8. How it works (in brief)

The plugin listens to the `onBeforeCompileHead` event and acts on the frontend only, operating on Joomla's Document object:

- favicon and icons via `addHeadLink()` , removing duplicate links;
- Open Graph and Twitter via `setMetaData()` ;
- generator via `setGenerator()` (empty string = tag removed);
- microdata via `addCustomTag()` with a `<script type="application/ld+json">` .

Image URLs are made absolute where required (og:image, JSON-LD logo) and it is compatible with subfolder installations.

9. Tips and verification

- After saving, open the site and check the page source (`Ctrl+U`) to see the tags added to the `<head>`.
- To test social previews use the official tools (Facebook Sharing Debugger, LinkedIn Post Inspector).
WhatsApp caches previews: it may take some time or a slightly different URL.
- For microdata use Google's Rich Results Test or the Schema Markup Validator.
- If you see no change, make sure the plugin is **enabled** and clear the Joomla cache.