

YouDanMu

Sprint 2

Instructions Manual

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# Requirement

**Operating System:** Windows, Mac OS, Linux, or any operating system runs Google Chrome.

**Web Browser:** Google Chrome (can download from <https://www.google.com/chrome/>)

**YouDanMu Executable:** "YouDanMu-bugseed.crx"

## Installation

1. Open Google Chrome browser.
2. Goto Settings -> Extensions, or navigate to URL **chrome://extensions/**
3. Enable the "**Developer mode**" option on the page.
4. Drag and drop the "**YouDanMu-bugseed.crx**" executable file onto the extensions page.
5. Click "Add extension" on the prompt popup.
6. Verify that YouDanMu's icon is now displaying on your browser extension bar.



## Basic Usage

### Load Danmaku from Bilibili to YouTube

Given a pair of YouTube and Bilibili video URLs, we want to use YouDanMu to extract Danmaku from the Bilibili video and render on top of the YouTube video.

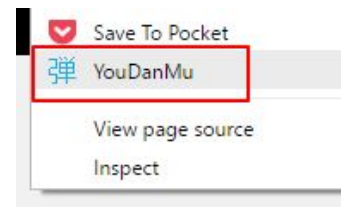
**Note:** For testing purpose, we have provided a set of matching YouTube and Bilibili video URLs pairs in Appendix.

Here we use the following pair for demo purpose:

<https://www.youtube.com/watch?v=HF1gNoUsr4k>

<https://www.bilibili.com/video/av6856086/>

1. Navigate to the YouTube video page: <https://www.youtube.com/watch?v=HF1gNoUsr4k>
2. Click on the YouDanMu icon in your browser extension bar, or the YouDanMu button on the YouTube video player, or the YouDanMu option in context menu.





## Post Danmaku on YouTube Video

Given a YouTube video page, we want to post Danmaku on the video.

1. Navigate to a YouTube video page.
2. Bring up the YouDanMu panel.
3. Under “Post Danmaku” section, write something you want to post.
4. Under the text box, there are few options you can make to adjust the behaviour of your Danmaku. From left to right, they are: text color, font size, and position. Note that we only provide two presets of font size: small and large. Position defines where your Danmaku would appear on the screen, possible values are: top, where it stays fixed at top of the video, and disappear after a short time; bottom, same as top but fixed at bottom; and rolling marquee, where it enters the screen from the right side of the video, and exit from left side, longer text moves faster, and Danmaku are placed at places to avoid as many collisions as possible with any other rolling marquee Danmaku, while keeping it close to the top of the screen.
5. After making all your adjustments, click “Post”.
6. Your Danmaku should immediately appear on the video while playing.

**Note:** Since we haven't implemented a backend server yet, your posted Danmaku is only rendered locally and will be cleared when your page is refreshed.

## Unloading Danmaku

1. Open YouDanMu panel.
2. Click “Unload” to unload Danmaku already loaded.

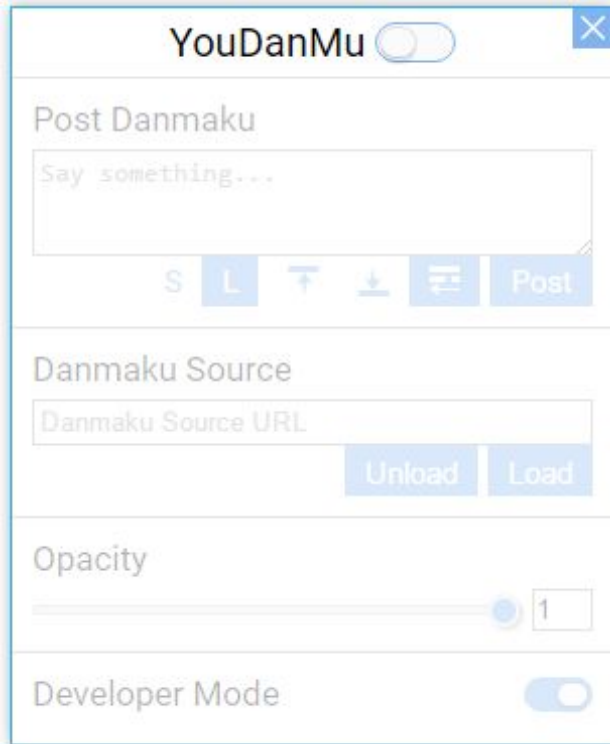
## Changing Danmaku Opacity

1. Open YouDanMu panel.
2. Under “Opacity” option section, drag the value bar to change opacity value, from 0 to 1.
3. All rendering Danmaku should be updated with the new opacity value.



## Disabling/Enabling YouDanMu

1. Open YouDanMu panel.
2. There's an iOS style toggle checkbox button on the right of the panel title "YouDanMu". Click on it.
3. YouDanMu extension is temporarily disabled, all rendering Danmaku should be cleared, and the YouDanMu panel should enters disabled state where features are grayed out.



4. Click on the toggle button again to enable the YouDanMu extension.
5. All previous rendering Danmaku should continue to render. All features should be available again.

## YouDanMu Developer mode

The "Developer mode" feature on the YouDanMu settings panel is for runtime information logging useful for black-box testing. When this option is enabled, press F12 on Windows or Option-Command-J to open developer panel, under the "Console" tab, logging information will be output onto the interface.

# Appendix

Since we haven't implemented Danmaku sources matching feature yet, testers have to manually enter Danmaku source URL to load Danmaku. For testing purpose, we provide a set of matching YouTube video and its Danmaku source URL.

**Note:** While it's not very useful to load non matching Danmaku on YouTube video, our extension doesn't stop you from doing so. Thus testing non matching Danmaku sources is reasonable.

Name	YouTube Video URL	Danmaku Source URL(s)
PPAP	<a href="https://youtu.be/HFIgNoUsr4k">https://youtu.be/HFIgNoUsr4k</a>	<a href="https://www.bilibili.com/video/av6856086/">https://www.bilibili.com/video/av6856086/</a>
Meidoragon	<a href="https://youtu.be/Zz_4hChkOtk">https://youtu.be/Zz_4hChkOtk</a>	<a href="https://www.bilibili.com/video/av8898537/">https://www.bilibili.com/video/av8898537/</a>
Marasy	<a href="https://youtu.be/8hLklsnWKrU">https://youtu.be/8hLklsnWKrU</a>	<a href="https://www.bilibili.com/video/av2915324/">https://www.bilibili.com/video/av2915324/</a> <a href="http://www.nicovideo.jp/watch/sm27168394">http://www.nicovideo.jp/watch/sm27168394</a>
Labyrinth	<a href="https://youtu.be/lXX7dRULFaE">https://youtu.be/lXX7dRULFaE</a>	<a href="https://www.bilibili.com/video/av511692/">https://www.bilibili.com/video/av511692/</a> <a href="http://www.nicovideo.jp/watch/sm20411721">http://www.nicovideo.jp/watch/sm20411721</a>
Baozou	<a href="https://youtu.be/J-KVyemdh-c">https://youtu.be/J-KVyemdh-c</a>	<a href="https://www.bilibili.com/video/av8794430/">https://www.bilibili.com/video/av8794430/</a>
Cherry Blossoms	<a href="https://youtu.be/jTfzFzY6Gnc">https://youtu.be/jTfzFzY6Gnc</a>	<a href="https://www.bilibili.com/video/av734533/">https://www.bilibili.com/video/av734533/</a> <a href="http://www.nicovideo.jp/watch/sm15630734">http://www.nicovideo.jp/watch/sm15630734</a>
Bad Apple	<a href="https://youtu.be/FtutLA63Cp8">https://youtu.be/FtutLA63Cp8</a>	<a href="https://www.bilibili.com/video/av706/">https://www.bilibili.com/video/av706/</a> <a href="http://www.nicovideo.jp/watch/sm8628149">http://www.nicovideo.jp/watch/sm8628149</a>

**Note:** While Nico Nico URLs are provided, we currently only support Bilibili Danmaku source.