

# Firefox

Install Firefox via these packages (adjust for your desired locale):

```
pacman -S firefox firefox-i18n-de
```

## Wayland

Wayland is not yet the default display manager for Firefox (it falls back to XWayland on Wayland). To force Firefox to use Wayland you can set the `MOZ_ENABLE_WAYLAND` environment variable to `1`. Use user specific systemd environment variable configs to set it:

```
echo "MOZ_ENABLE_WAYLAND=1" >> ~/.config/environment.d/moz_wayland.conf
```

## Media Playback

### Autoplay in background

Firefox prevents autoplay for media of tabs that aren't currently active, which causes apps like Plex to take very long to skip to the next track after the current one has ended. The following setting in `about:config` can be used to disable this behavior:

Setting key	Value	Description
<code>media.block-autoplay-until-in-foreground</code>	<code>false</code>	Enable autoplay when tab is not currently active

## Hardware Decoding

Utilizing GPU hardware accelerated decoding of video content results in smoother playback of HD/4K content, while reducing CPU load and power draw (important to save on battery on laptops).

To ensure Firefox uses hardware decoding ensure the following:

- The necessary VA-API drivers are installed (see: [Graphics Cards](#))
- Navigate to `about:support` and ensure that under *Compositing* it says *WebRender* (*WebRender Software* will **not** work)
- Navigate to `about:config` and set `media.ffmpeg.vaapi.enabled` to `true`
- If running Wayland, enable Wayland mode in Firefox (see above)

## Verify hardware video decoding

To verify Firefox is actually using VA-API to decode video you can launch it with the following command:

```
MOZ_LOG="FFmpegVideo:5" firefox 2>&1 | grep 'VA-API'
```

Start playing some video in Firefox and watch the logs on your terminal. If your log output reads something like the following video decoding via VA-API is working.

```
[RDD 97685: MediaPDecoder #1]: D/FFmpegVideo FFVPX: Initialising VA-API FFmpeg decoder
[RDD 97685: MediaPDecoder #2]: D/FFmpegVideo FFVPX:  VA-API FFmpeg init successful
[RDD 97685: MediaPDecoder #2]: D/FFmpegVideo FFVPX: Choosing FFmpeg pixel format for VA-API video
decoding.
[RDD 97685: MediaPDecoder #1]: D/FFmpegVideo FFVPX:  VA-API FFmpeg init successful
[RDD 97685: MediaPDecoder #2]: D/FFmpegVideo FFVPX: VA-API Got one frame output with pts=0 dts=0
duration=40000 opaque=-9223372036854775808
[RDD 97685: MediaPDecoder #1]: D/FFmpegVideo FFVPX: Initialising VA-API FFmpeg decoder
[RDD 97685: MediaPDecoder #1]: D/FFmpegVideo FFVPX:  VA-API FFmpeg init successful
[RDD 97685: MediaPDecoder #1]: D/FFmpegVideo FFVPX: VA-API Got one frame output with pts=40000
dts=40000 duration=40000 opaque=-9223372036854775808
[RDD 97685: MediaPDecoder #2]: D/FFmpegVideo FFVPX: VA-API Got one frame output with pts=80000
dts=80000 duration=40000 opaque=-9223372036854775808
[RDD 97685: MediaPDecoder #2]: D/FFmpegVideo FFVPX: VA-API Got one frame output with pts=120000
dts=120000 duration=40000 opaque=-9223372036854775808
```

## KDE Plasma Integration

For better integration of Firefox into the KDE Plasma desktop, install the Plasma Integration add-on either via the [Mozilla Add-on page](#). It enables rich notifications support and download progress integration into the notification area of KDE Plasma.

## Media Playback Controls

To prevent duplicate entries in the Media Player widget or tray icon, set `media.hardwaremediakeys.enabled` to `false`. This disables the media entry from Firefox itself and only uses the one from the Plasma integration add-on.

# KDE Dialogs

By default, Firefox uses GTK file and print dialogs, even on KDE. To change this to KDE native dialogs navigate to `about:config` and change the appropriate `widget.use-xdg-desktop-portal` settings to `1`.

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