



## ***Linux Ubuntu 26.04 Manual Pages on command 'Xwayland.1'***

### ***\$ man Xwayland.1***

XWAYLAND(1)                      General Commands Manual                      XWAYLAND(1)

#### NAME

Xwayland - an X server for running X clients under Wayland.

#### SYNOPSIS

Xwayland [option ...]

#### DESCRIPTION

Xwayland is an X server and a Wayland client. It plays the role of a proxy between legacy X clients which do not support the Wayland protocols and the Wayland server.

Usually, Xwayland is spawned automatically by the Wayland server and runs rootless so that X clients integrate seamlessly with the rest of the Wayland desktop. It is however possible for a user to launch Xwayland non-rootless, mainly for testing purposes.

Like all of the X servers, Xwayland accepts the command line options described in the Xserver(7) manual page. The following additional arguments are supported as well.

-decorate

Add decorations to the Xwayland root window when running rootful.

This option has no effect when Xwayland is built without libdecor support (optional).

This option is not compatible with rootless mode (-rootless).

-enable-ei-portal

Enable support for the XDG portal for input emulation.

A Wayland compositor running nested should not use that command line option with Xwayland.

This option has no effect if the compositor doesn't support the relevant XDG portal

or if Xwayland was not compiled with EI and OEFFIS support.

#### `-fullscreen`

Set the Xwayland window fullscreen when running rootful.

This option is not compatible with rootless mode (`-rootless`).

#### `-geometry WxH`

Sets the geometry of the Xwayland window to WxH when running rootful.

This option is not compatible with rootless mode (`-rootless`).

#### `-glamor [gl|es|off]`

Use given rendering API for Glamor acceleration. Possible options are `gl` and `es`. If Xwayland was compiled with Glamor support, this option will instruct Xwayland to use only requested API for Glamor. If this set to `off`, effect is equal to `-shm` option.

Without this option and without `-shm` option, Xwayland tries the OpenGL rendering API first, and fallback to GL ES if GL version is less than 2.1.

This option is not compatible with `-shm` option.

#### `-hidpi` Adjust to the scale of the outputs when running rootful in windowing mode.

This option is not compatible with rootless mode (`-rootless`).

#### `-host-grab`

Disable host keyboard shortcuts and confine the pointer when running rootful.

This feature relies on the protocol for inhibiting the compositor keyboard shortcuts and on the protocol for pointer locking and confinement and may have no effect if the Wayland compositor in use does not support these protocols.

Use the keys `[CTRL]+[SHIFT]` simultaneously to release the keyboard and pointer devices.

This option is not compatible with rootless mode (`-rootless`).

#### `-initfd fd`

Add the given `fd` as a listen socket for initialization of X clients. This options is aimed at Wayland servers which run Xwayland on-demand, to be able to spawn specific X clients which need to complete before other regular X clients can connect to Xwayland, like `xrdb`.

#### `-listen fd`

deprecated, use `-listenfd` instead.

#### `-listenfd fd`

Add given `fd` as a listen socket. This option is used by the Wayland server to pass

Xwayland the socket where X clients connect.

#### `-noTouchPointerEmulation`

Disable touch pointer emulation. This allows the Wayland compositor to implement its own pointer emulation mechanism for X11 clients that don't support touch input.

#### `-force-xrandr-emulation`

Force additional non-native modes to be exposed when viewporter is not supported by the Wayland compositor.

#### `-nokeymap`

Instructs Xwayland to ignore the keymap set by the Wayland compositor.

By default, Xwayland (as any Wayland client) uses the keymap set by the Wayland compositor using the standard Wayland protocol.

This option is meant for some specific use cases where it may be desirable to let the X11 clients control the keymap used in Xwayland, ignoring the keymap specified by the Wayland compositor. `-output name` Specifies on which output Xwayland fullscreen rootful should be placed. The name must match the name of an existing Wayland output (output names can be found using `wayland-info`).

If no matching output can be found, the Wayland compositor will decide on which output the fullscreen rootful Xwayland window will be placed.

This option has no effect if Xwayland is not running fullscreen rootful.

#### `-rootless`

Run Xwayland rootless, so that X clients integrate seamlessly with Wayland clients in a Wayland desktop. That requires the Wayland server to be an X window manager as well.

`-shm` Force the shared memory backend instead of glamor (if available) for passing buffers to the Wayland server.

This option is not compatible with `-glamor` option.

#### `-verbose [n]`

Sets the verbosity level for information printed on stderr. If the `n` value isn't supplied, each occurrence of this option increments the verbosity level. When the `n` value is supplied, the verbosity level is set to that value. The default verbosity level is 0.

#### `-version`

Show the server version and exit.

-wm fd This option is used by the Wayland server to pass Xwayland the socket where the X window manager client connects, when Xwayland is running with -rootless.

## ENVIRONMENT

WAYLAND\_DISPLAY

the name of the display of the Wayland server.

XWAYLAND\_NO\_GLAMOR

disable glamor and DRI3 support in Xwayland, for testing purposes.

## SEE ALSO

General information: X(7), wayland-info(7)

X Version 11

xorg-server 24.1.10

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