

The  GNOME™ Conference  
**GUADEC**

GNOME Radio 16 on GNOME 42

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# What is GNOME Radio 16?

## What is GNOME Radio 16?

GNOME Internet Radio Locator 16 for GNOME 42 is a Free Software program that allows you to easily locate Free Internet Radio stations by broadcasters on the Internet with the help of map and text search.

GNOME Radio 16 for GNOME 42 is developed on the GNOME 42 desktop platform with GNOME Maps, GeoClue, libchamplain and geocode-lib and it requires at least GTK+ 3.0 and GStreamer 1.0 for audio playback.



# GNOME Radio 16 on GNOME 42

## GNOME Radio 16 on GNOME 42

GNOME Radio 16 is available with Hawaii Public Radio (NPR) and 62 British Broadcasting Corporation (BBC) live audio broadcasts for GNOME 42.

The latest GNOME Radio 16.0.4 release during GUADEC 2022 (between July 20-25, 2022) features 193 international radio stations and 110 city map markers around the world, including National Public Radio, 62 BBC radio stations broadcasting live from United Kingdom and 4 SomaFM radio stations broadcasting live from San Francisco, California.



# GNOME Radio 16 for GNOME 42



# National Public Radio (NPR) broadcasts on GNOME 42

GNOME Radio 16 for GNOME 42 is available with National Public Radio (NPR) live audio broadcasts.

GNOME Radio 16 is the successor to GNOME Internet Radio Locator built for GNOME 42 with Cairo, Clutter, Champlain, Maps, GStreamer, and GTK+.



# Packaging for Fedora Core 36

## Packaging for Fedora Core 36

Fedora Core 36 software installation packages of GNOME Radio 16.0.4 for the computer hardware architecture x86\_64 and Source are now available for download and installation with the package management and network installation system tools rpm and dhf.



# Fedora Core 34 x86\_64 RPM installation

## Fedora Core 34 x86\_64 RPM installation


 `sudo dnf install http://people.gnome.org/~ole/fedora/RPMS/x86_64/gnome-radio-16.0.4-1.fc36.x86_64.rpm`





# Fedora Core 36 Source RPM Installation

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 `sudo dnf install gnome-common`

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geocode-glib-devel`

## Fedora Core 36 Source RPM Installation

- 🐙 `sudo dnf install gnome-common`
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- 🐾 `sudo dnf install gnome-common`
- 🐾 `sudo dnf install intltool libtool gtk-doc geoclue2-devel yelp-tools`
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- 🐾 `sudo dnf install libchamplain-devel libchamplain-gtk libchamplain geoclue2`
- 🐾 `sudo rpm -Uvh`  
`http://people.gnome.org/~ole/fedora/SRPMS/gnome-radio-16.0.4-1.fc36.src.rpm`

# Fedora Core 36 Source RPM Installation

- 🐾 `sudo dnf install gnome-common`
- 🐾 `sudo dnf install intltool libtool gtk-doc geoclue2-devel yelp-tools`
- 🐾 `sudo dnf install gstreamer1-plugins-bad-free-devel geocode-glib-devel`
- 🐾 `sudo dnf install libchamplain-devel libchamplain-gtk libchamplain geoclue2`
- 🐾 `sudo rpm -Uvh`  
`http://people.gnome.org/~ole/fedora/SRPMS/gnome-radio-16.0.4-1.fc36.src.rpm`
- 🐾 `sudo rpmbuild -ba /root/rpmbuild/SPECS/gnome-radio.spec`

# Fedora Core 36 Source RPM Installation


- 🐙 `sudo dnf install gnome-common`
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`http://people.gnome.org/~ole/fedora/SRPMS/gnome-radio-16.0.4-1.fc36.src.rpm`
- 🐙 `sudo rpmbuild -ba /root/rpmbuild/SPECS/gnome-radio.spec`
- 🐙 `sudo rpm -Uvh`  
`/root/rpmbuild/RPMS/*/gnome-radio-16.0.4*.rpm`







# Compiling GNOME Internet Radio Locator 16 on GNOME 42




# gnome-internet-radio-locator 16.0.4

 git clone <https://gitlab.gnome.org/ole/gnome-radio.git>

# gnome-internet-radio-locator 16.0.4

```
 git clone https://gitlab.gnome.org/ole/gnome-radio.git  
 cd gnome-radio
```

# gnome-internet-radio-locator 16.0.4

```
 git clone https://gitlab.gnome.org/ole/gnome-radio.git  
 cd gnome-radio  
 ./autogen.sh
```

# gnome-internet-radio-locator 16.0.4

- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio.git`
- 🐾 `cd gnome-radio`
- 🐾 `./autogen.sh`
- 🐾 `./configure`

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- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio.git`
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- 🐾 `./configure`
- 🐾 `make`

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- 🐾 `make`
- 🐾 `sudo make install`
- 🐾 `gnome-radio`



# Running GNOME Radio 16.0.4 on GNOME 42

## gnome-radio 16.0.4 is available

Three options for running GNOME Radio 16 on GNOME 42 from GNOME Shell and GNOME Terminal:

1. Click on Activities and select the GNOME Radio blue dot icon.
2. Search for “gnome-radio” in the search box.
3. Type “gnome-radio” and hit Enter in GNOME Terminal if you are unable to find the icon in GNOME 42 and GNOME Shell.



# Compiling GNOME Radio 16 in GNOME Builder

## gnome-radio 16.0.4

 `git clone https://gitlab.gnome.org/ole/gnome-radio`

## gnome-radio 16.0.4

- 🐙 `git clone https://gitlab.gnome.org/ole/gnome-radio`
- 🐙 `cd gnome-radio`



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- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio`
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- 🐾 `./autogen.sh`

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- 🐙 `git clone https://gitlab.gnome.org/ole/gnome-radio`
- 🐙 `cd gnome-radio`
- 🐙 `./autogen.sh`
- 🐙 `autoreconf`

## gnome-radio 16.0.4

- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio`
- 🐾 `cd gnome-radio`
- 🐾 `./autogen.sh`
- 🐾 `autoreconf`
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- 🐾 `./autogen.sh`
- 🐾 `autoreconf`
- 🐾 `./configure`
- 🐾 `make`

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- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio`
- 🐾 `cd gnome-radio`
- 🐾 `./autogen.sh`
- 🐾 `autoreconf`
- 🐾 `./configure`
- 🐾 `make`
- 🐾 `sudo make install`

## gnome-radio 16.0.4

- 🐾 `git clone https://gitlab.gnome.org/ole/gnome-radio`
- 🐾 `cd gnome-radio`
- 🐾 `./autogen.sh`
- 🐾 `autoreconf`
- 🐾 `./configure`
- 🐾 `make`
- 🐾 `sudo make install`
- 🐾 `gnome-radio`



# Running GNOME Radio 16 on GNOME 42



## gnome-radio 16.0.4 is available

Three options for running GNOME Radio 16 on GNOME 42 from GNOME Shell and GNOME Terminal:

1. Click on Activities and select the GNOME Radio icon.
2. Search for “gnome-radio” in the search box.
3. Type “gnome-radio” and hit Enter in GNOME Terminal if you are unable to find the Radio icon in GNOME 42 and GNOME Shell.