

Conference

Hacker Public Radio

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This presentation is CC-by-SA 4.0

Slides at: murphnj.neocities.org



Who is this?

murph

Long time HPR listener

Longer time Free Software enthusiast

Up until recently, hasn't submitted shows.

Linux Systems administrator.



Slides are available at murphnj.neocities.org



What is Hacker Public Radio?

HPR is a community produced podcast.

From the HPR website:

Our shows are produced by listeners like you and can be on any topics that "are of interest to hackers"

Hacker Public Radio is dedicated to sharing knowledge.

It's been running for almost 20 years, in various forms.

HPR is entirely community driven. Policy decisions are proposed and discussed on the mailing list, which is open to anyone to join.

Shows are by default

Creative Commons 4.0 Attribution-Sharealike.



What can you find there?

The topics are wide-ranging.

Anything from music, programming, health, video games, literature,
Security, Urban camping, home repair, legal issues,
And Free, Open Source software, and Linux
So much Linux.

If you run into something that doesn't interest you, just skip one,
there is always something new right
around the corner.





How to listen?



Go to the page and listen from there:

<https://hackerpublicradio.org/>

Subscribe through RSS:

<https://hackerpublicradio.org/syndication.html>

Also on archive.org

<https://archive.org/details/hackerpublicradio>

Also, a large number of the
Mainstream podcast platforms.



How to participate.



Join the mailing list, it's not very busy.

<https://lists.hackerpublicradio.com/>

Or the matrix room:

<https://matrix.to/#/#hpr:matrix.org>

Or follow on the fediverse:

<https://infosec.exchange/@hpr>

And there's IRC, and Facebook, and even
Linkedin, and more if you're into that.



What now?

Once you start listening, you may decide that you have something to say as well, some information that you'd like to share. Please do! It's how the podcast keeps going.

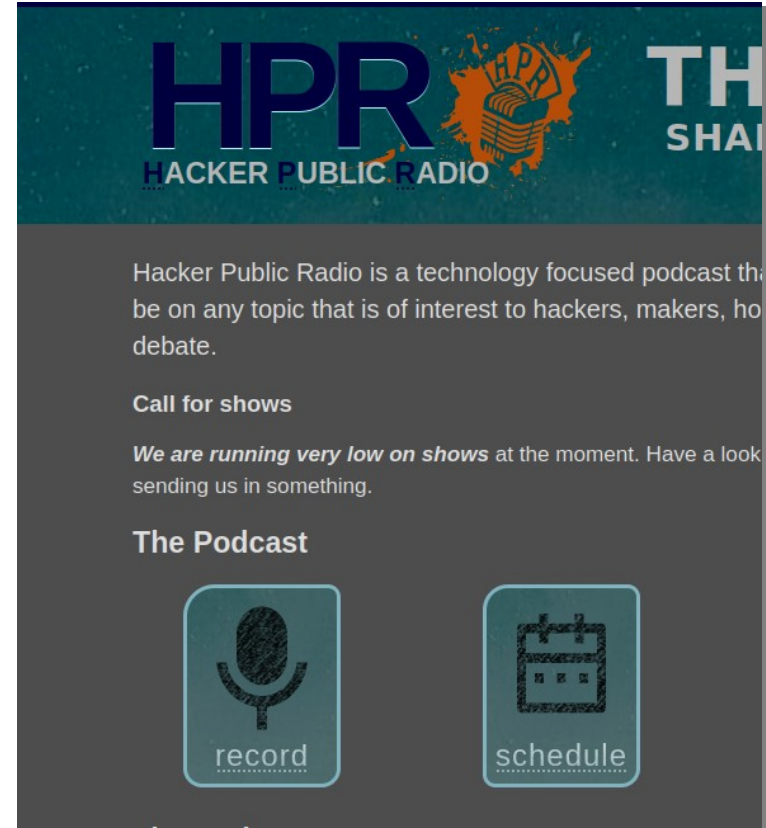


Submit a show, but how?

Before I get into how to submit a show, there are pages on the website that describe it all.

<https://hub.hackerpublicradio.org/calendar.php>

(It's the "Schedule" button right on the main page. But read the "Record" page first)



First, record.

On a computer, use the audio recording software of your choice,

Or use a phone, or dedicated recording device.

The suggested settings would be:

Sample rate: 44.1 kHz

Audio channels: mono

Save in flac format if possible.

(There are more details on the web page)



Small amount of preparation:

(the mandatory)

I found the workflow a little funny, so I'm going to start with some information from my first attempt at submitting a show. These would be easier to deal with before you submit the show.

A title, summary, and show notes for the show that you're submitting.

I had what I wanted to say typed out, and ready by chance, if you don't have that thought out, you should have something ready.



The optional:

An email address, (so that they can get a hold of you in case of a problem)

Name/handle, and a gravatar, or small image. A short profile of you.

Shows are generally CC-by-SA. If you have other preferences, you should explore the possibilities beforehand.

If this will be part of a series, you can select it here.
(Don't worry about this yet)

You can put tags in the description if you like, to make it more searchable.



First steps:

After you've recorded:

Ok, now you're ready:

Go to the home page,
click the "Upload" button



A screenshot of the Hacker Public Radio website. The header features the 'HPR' logo in large blue letters, with 'HACKER PUBLIC RADIO' in smaller text below it. To the right is an orange graphic of a hand holding a microphone. Further right, the text 'THE SHAR...' is partially visible. The main content area has a dark grey background. It contains a paragraph about the podcast, a section titled 'Call for shows' with a message about low show volume, and a section titled 'The Podcast'. At the bottom, there are two teal-colored buttons: one with a microphone icon labeled 'record' and another with a calendar icon labeled 'schedule'.

HPR
HACKER PUBLIC RADIO

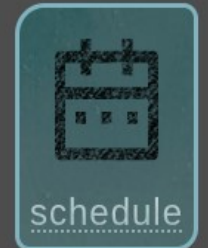
THE
SHAR

Hacker Public Radio is a technology focused podcast that can be on any topic that is of interest to hackers, makers, hackers, and debate.

Call for shows

We are running very low on shows at the moment. Have a look at our schedule and send us something.

The Podcast



Select a date:

This will bring you to the page with the upcoming schedule.
You can pick the date that your show will be released.

Select a date in the current schedule ?

Schedule the release day your show will be aired. ⓘ

Next Two Months ⓘ

Wed 2025-04-02: [hpr4348](#) Resizing the root partition on a PC by MrX
Thu 2025-04-03: [hpr4349](#) xbindkeys send keys for linux! by operat0r
Fri 2025-04-04: [hpr4350](#) GIMP: More Photo Fixes by Ahuka

----- Week 15 -----

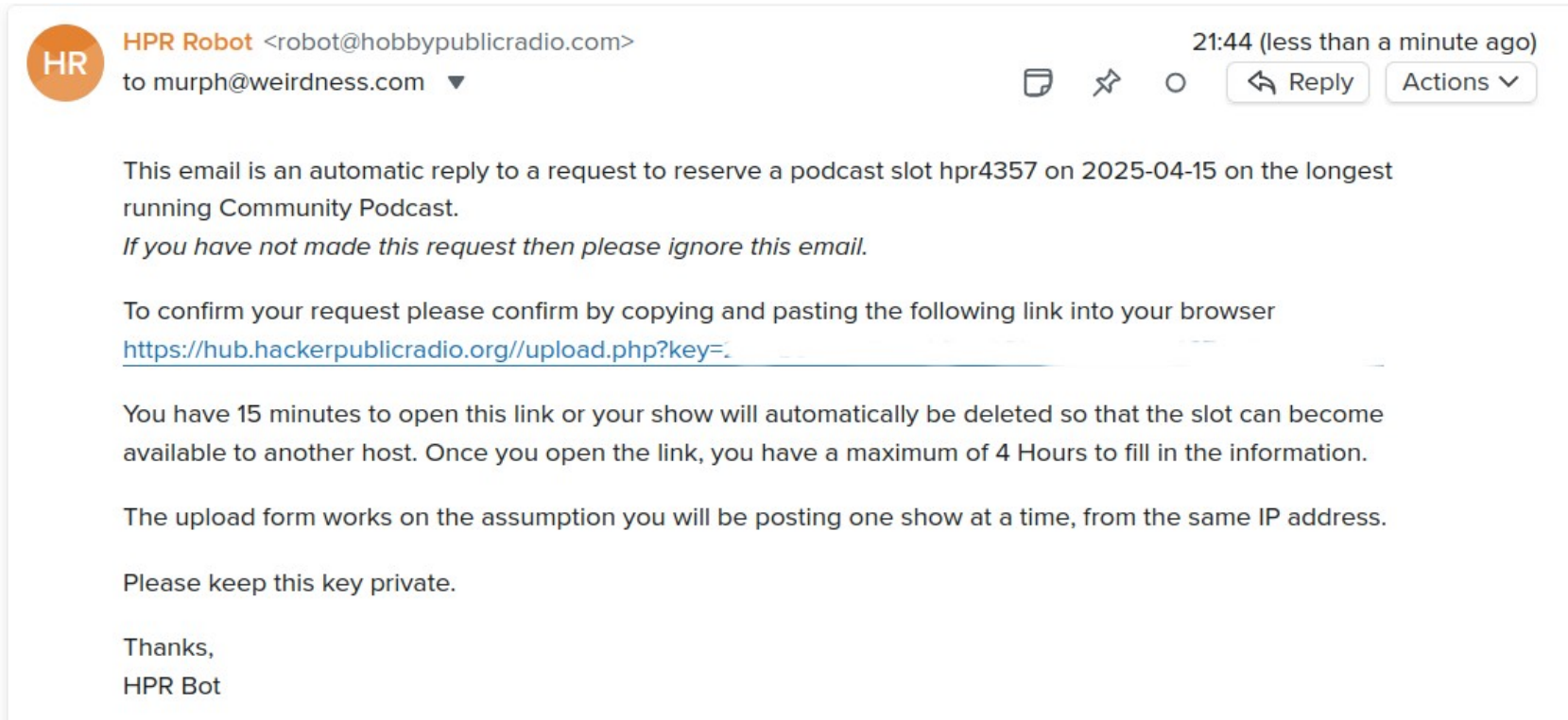
Mon 2025-04-07: [hpr4351](#) **Reserved:** HPR Community News for March 2025.
Tue 2025-04-08: [hpr4352](#) Why grandma, what large language models you have. by Some G
Wed 2025-04-09: [hpr4353](#) diff and patch by Klaatu
Thu 2025-04-10: [hpr4354](#) 24-25 New Years Eve show episode 5 by Honkeymagoo
Fri 2025-04-11: [hpr4355](#) Waiting for media: Record player audio - Streaming with Darkice.

----- Week 16 -----

Mon 2025-04-14: [hpr4356](#) Mirror Mirror On The Wall by Lee
Tue 2025-04-15: [hpr4357](#) is available - upload now.
Wed 2025-04-16: [hpr4358](#) is available - upload now.
Thu 2025-04-17: [hpr4359](#) is available - upload now.

Confirmation step:

When you click to select your date, that date will be reserved, and you will be sent an email with the link to submit the show.



Now the magic happens:

When you click the link, you get the page that I asked for all the preparation information for.

[Site Map](#) - [skip to main content](#)

**Hacker Public Radio**
Your ideas, projects, opinions - podcasted.
New episodes every weekday Monday through Friday.

[Upload](#) [Home](#) [Get Shows](#) [Give Shows](#) [Contribute](#) [Tags](#) [About](#) [Search](#)

Uploading hpr4357 for release on 2025-04-15

You can fill in information about yourself and your show below. Please see the [help](#) page for more information.

Please fill in some information about yourself.

Host Email (?):

Image (?): 

Image sourced from [gravatar](#)
Upload your photo/avatar here: [Browse...](#) backtoheadsmaller.png

Name/Handle (?):

Your Default license (?): [Attribution-ShareAlike \(CC-BY-SA\)](#)

Profile (?):

Enter some text about yourself with links to your blog or other online presence.

Please fill in some information about this episode

Format (?): What format if any did you just use in the show notes above?
[Plain text](#)

Title(*) (?):

Summary(*) (?):

Explicit (?): Is the show **Explicit**? ☐ Yes ☒ No. If in doubt please select Yes. See [iTunes](#) for more information.

License (?): [CC-BY-SA](#) [See https://creativecommons.org/licenses/](#) for more information.

Notes(*) (?):

Please add your show notes here.

Series (?): [none](#)

Tags (?):

Add a list of comma separated tags.
If you can provide tags for your show that would be appreciated; you are certainly the best judge of what makes good tags, but if not then a volunteer will add them later.
You have the choice of the following upload options:

Upload Method (?):

1. Upload now via this browser: (?)
[Browse...](#) No files selected.

2. Provide a url we can directly download it from: (?)
This must be accessible using a curl or wget command.
Please avoid services that require login or downloading via a browser.

[Submit](#) This will take a **long time**, leave the browser running. You will get an email once the upload is complete.

[Delete this reservation for hpr4357 on 2025-04-15.](#)

[More Information...](#)

Now you wait.....

The episode is now uploaded, and you have to wait until the system ingests it, and it is added to the queue. For me, this took about two days. (I forgot to time it exactly.)



Recording

Ken likes to say that the audio quality doesn't matter. Any recording is better than no recording, without a doubt. But better audio is a nice thing to have.

Starting with a decent microphone is a good idea.

Personally, I have a decent microphone that plugs directly into a USB port, and it records well, when I don't record it too loudly.
(as I think I did on my intro episode)



For better audio:

Thanks to Thaj for these tips:

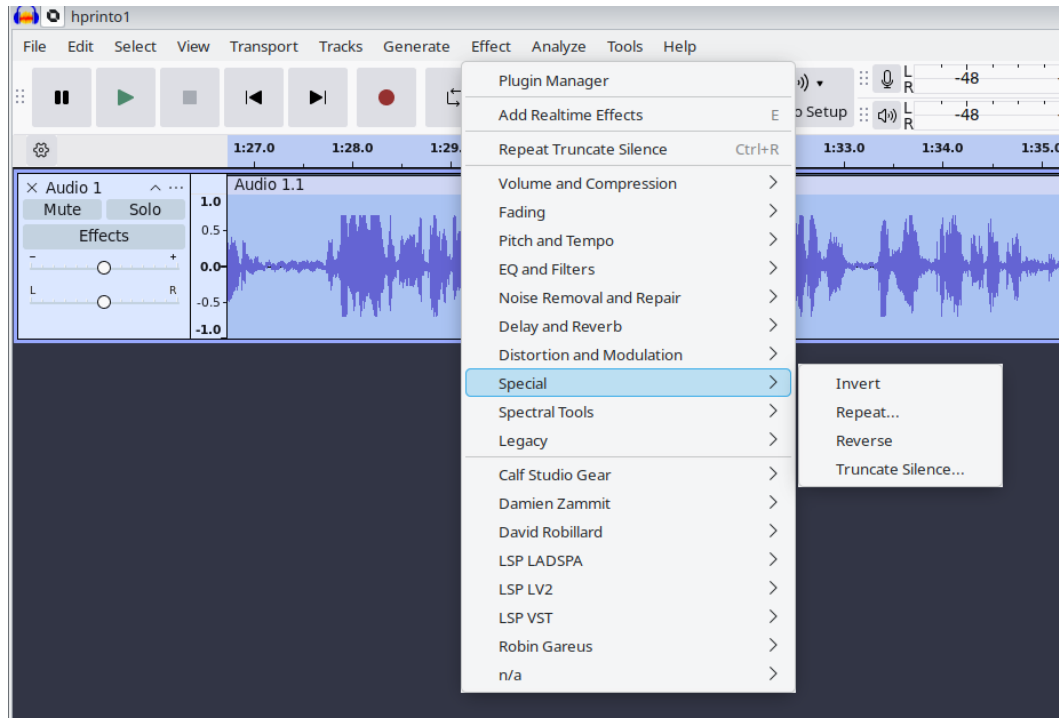
- 1) Truncate silence
- 2) Normalize to -6 db (If there are more than one person, or the level drifts up and down throughout the recording)
- 3) Compress



Truncate Silence

Select your audio: (ctrl-a selects the whole track)
Go to the Effects menu, select special, and then Truncate silence.

With the default settings, that should remove most of the long pauses in the audio



Normalize

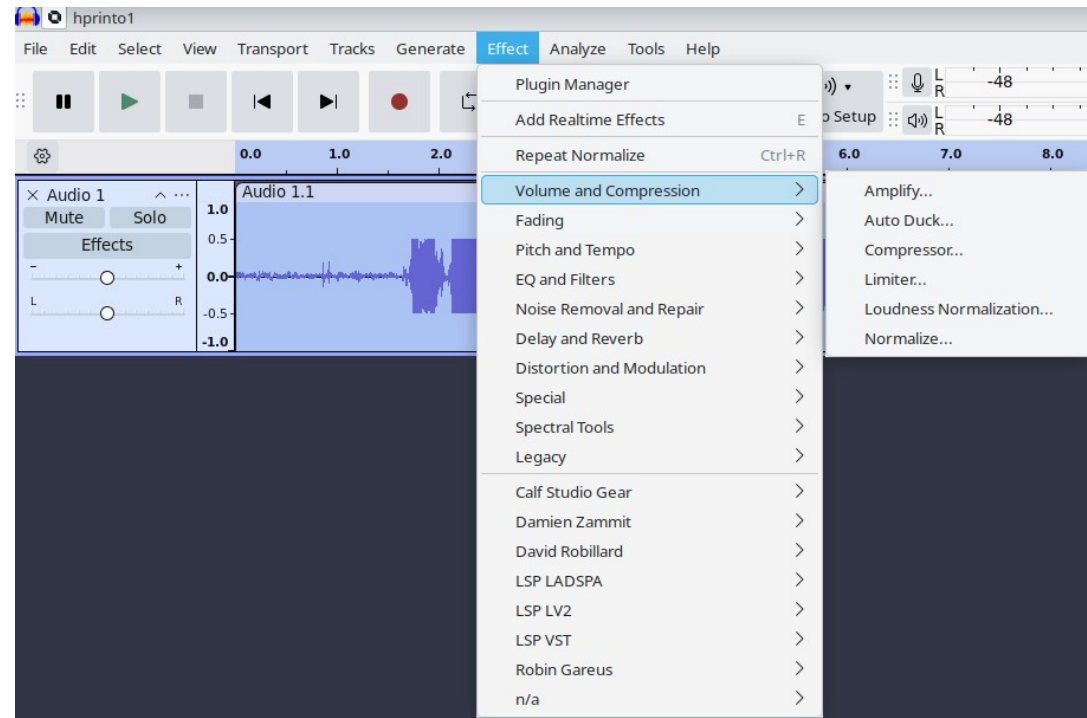
Normalize sets the volume of all of the audio to roughly the same level, helpful if there are more than one person talking, or if the speaker's volume varies.

Select all of the audio

Go to effects →

Volume and compression →

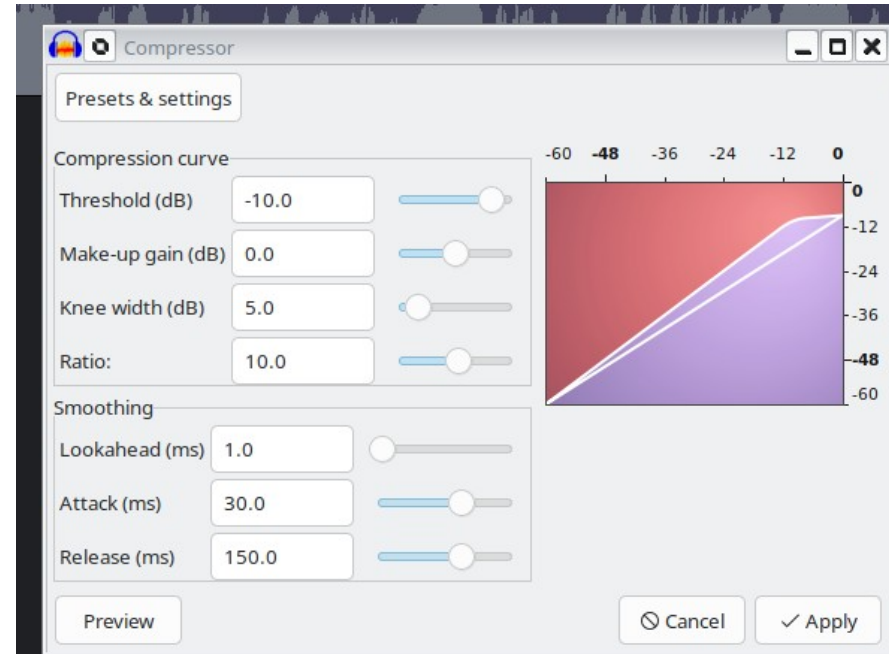
Loudness Normalization



Compression

Compression reduces the difference between the loudest and softest parts of the recording, making it easier to hear everything, particularly in a busy listening environment

Again, Select all of the audio
Go to effects →
Volume and compression →
Compression



Thanks!

Thanks to the janitors and the myriad hosts that have been putting interesting things on HPR for so many years

Thanks in particular to Lyle, and Thaj Sera, for giving a Birds of a feather session at 2024's OLF, which inspired me to make a talk out of it, and finally record an introduction show of my own.



Conclusion and questions

HPR is a never-ending source of interesting things to listen to, run by and for the community.

I hope you give it a try.

If you want to contact me, I'm available by email at

murph@weirdness.com

Or on the fediverse at

[@murph@masto.hackers.town](https://masto.hackers.town/@murph)





