



Hacker Public Radio

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This presentation is CC-by-SA 4.0

Slides at murphnj.neocities.org



Who is this?

murph

Linux Systems administrator.

Long time HPR listener

Longer time Free Software enthusiast

Up until now, hasn't submitted shows.

Slides are available at murphnj.neocities.org



What is Hacker Public Radio?

Hacker Public Radio is a community produced podcast.

From the HPR website: hackerpublicradio.org

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.

And if you're wondering, a hacker is someone who explores systems,
Finding out how they work, and where they don't is what they do.
This is not necessarily used for bad intentions, as any skill can be.
This is also not restricted to computer systems, it can be anything.



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/mailman/listinfo/hpr>

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.

It will end if there aren't shows available.



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 "Upload" button right on the main page.)



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Hacker

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New episode

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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:

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.

An email address, name/handle, and a gravatar, or small image. An optional profile of you.

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, with links if appropriate.

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

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



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Hacker

Your ideas, [your voice](#)

New episode

This page was [last updated](#)

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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 -----

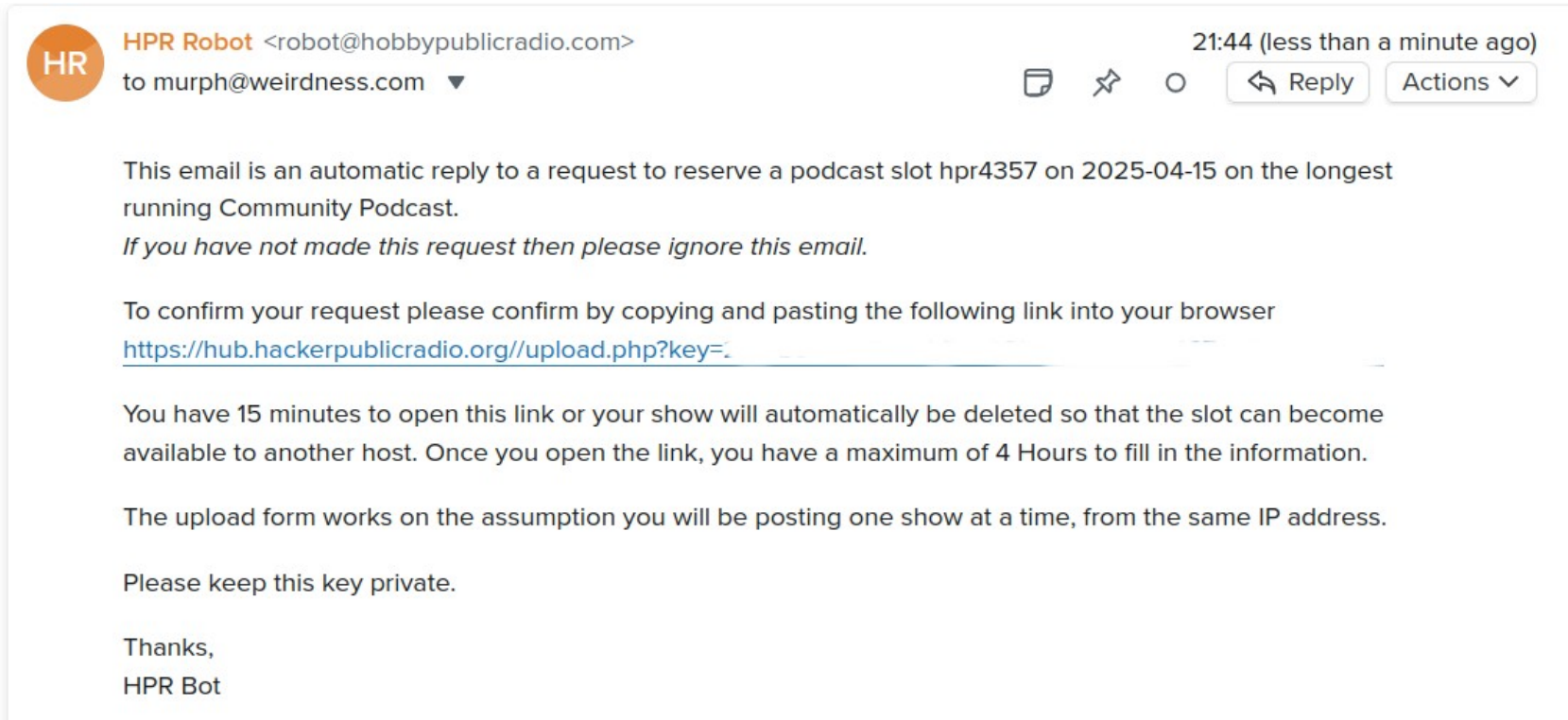
Mon 2025-04-07: [hpr4351](#) **Reserved:** HPR Community News for March 2025.
Tue 2025-04-08: [hpr4352](#) Why grandma, what large language models you have. by Some G
Wed 2025-04-09: [hpr4353](#) diff and patch by Klaatu
Thu 2025-04-10: [hpr4354](#) 24-25 New Years Eve show episode 5 by Honkeymagoo
Fri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

murph@weirdness.com



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

Name/Handle: (?)
Your Default license: (?)
Profile: (?)

murph

Attribution-ShareAlike (CC-BY-SA)

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?
Title(*) (?)
Summary(*)
Explicit: (?)
License: (?)

Plain text

Short introduction by murph.

Simply a very brief introduction by murph.

☐ Yes ☒ No. If in doubt please select Yes. See [iTunes](#) for more information.

CC-BY-SA See <https://creativecommons.org/licenses/> for more information.

Notes(*) (?)

Please add your show notes here.

Series: (?)
Tags: (?)
Upload Method: (?)

none

Add a list of comma separated 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:
1. Upload now via this browser: (?)
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:

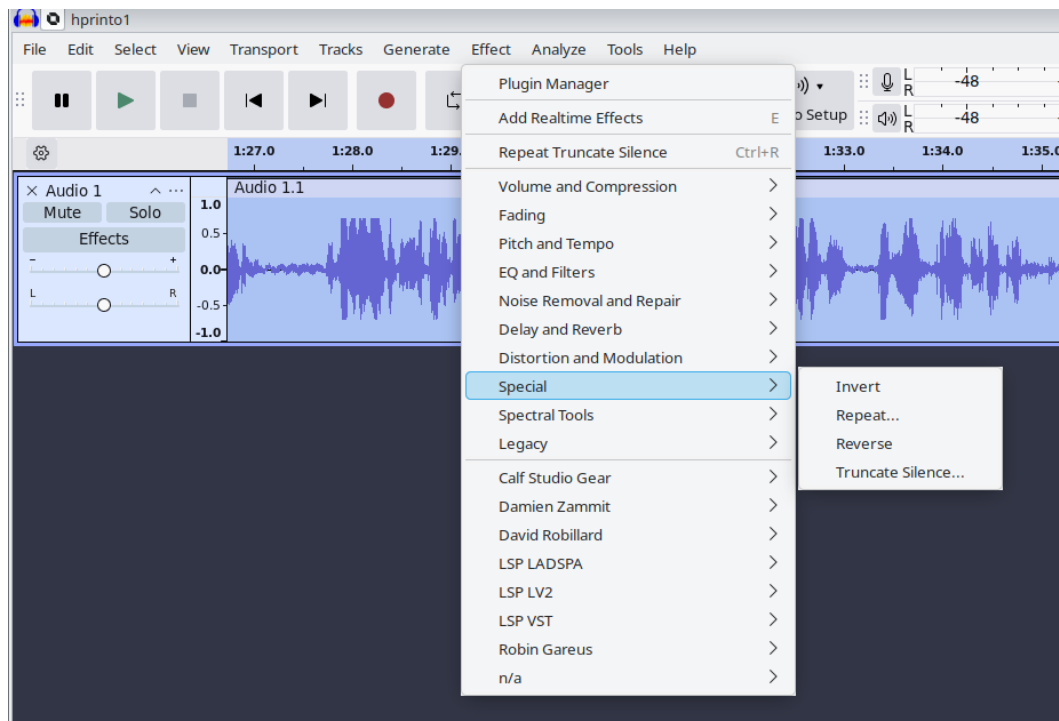
- 1) Truncate silence
- 2) Normalize to -6 db (If there are more than one person, or the level drifts up and down throughout the recording)
- 3) Compress



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.

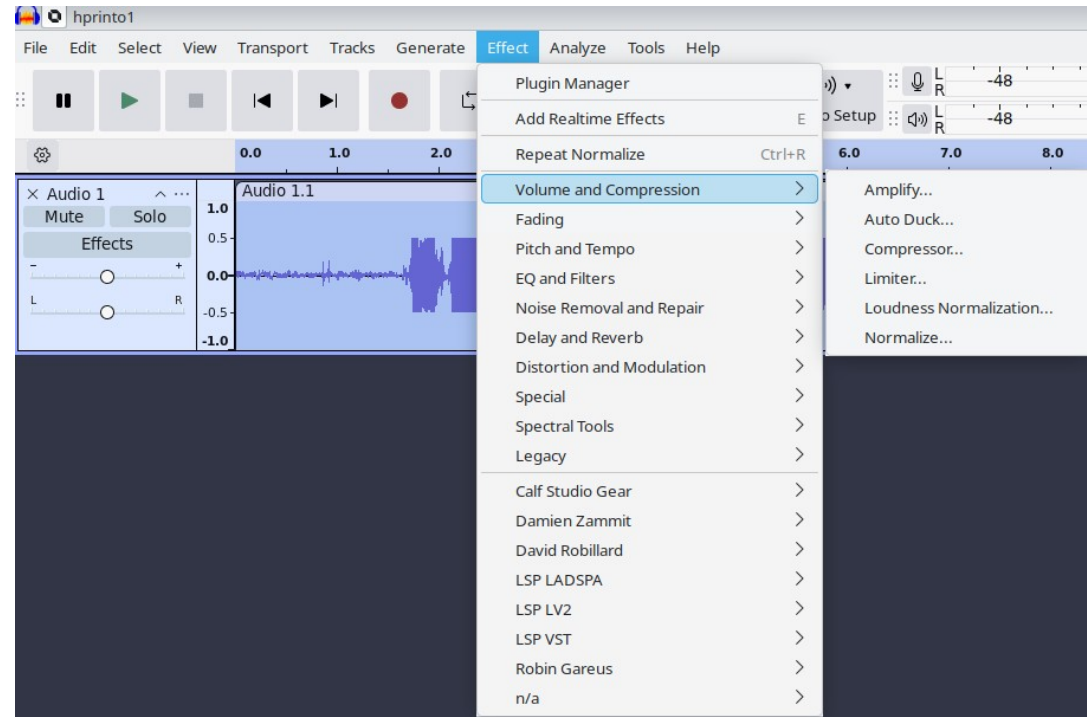
Select all of the audio

Go to effects →

Volume and compression →

Loudness Normalization →

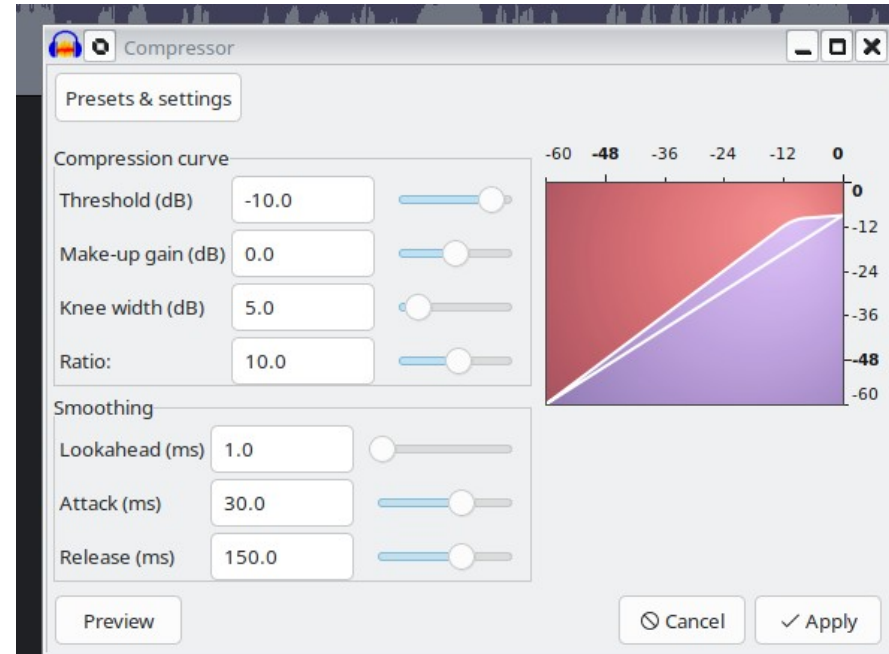
Normalize [RMS] to -6.0 dB



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 Ohio Linux Fest, 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

<https://masto.hackers.town/@murph>



