

# Debian Hamradio Blend

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Debian Hamradio Maintainers

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# Pure Blends

- A collection of tasks (metapackages)

# Pure Blends

- Packaging Community
- Documentation
  - hamradio-maintguide
  - hamradio-handbook
- Live Image and Installer
  - #758116 is now closed!

# Hamradio Pure Blend

## Tasks/Metapackages

- hamradio-antenna
- hamradio-datamodes
- hamradio-digitalvoice
- hamradio-logging
- hamradio-maintguide
- hamradio-morse
- hamradio-nonamateur
- hamradio-packetmodes
- hamradio-rigcontrol
- hamradio-satellite
- hamradio-sdr
- hamradio-tasks
- hamradio-tools
- hamradio-training

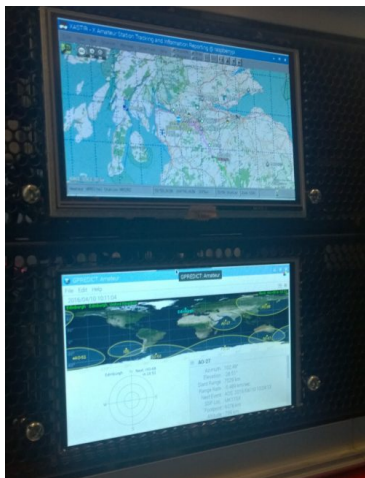
# Hamradio Pure Blend

## Use Cases

- Out-of-the-box Shack PC
- Embedded System
- Easy path into hamradio for existing Debian users

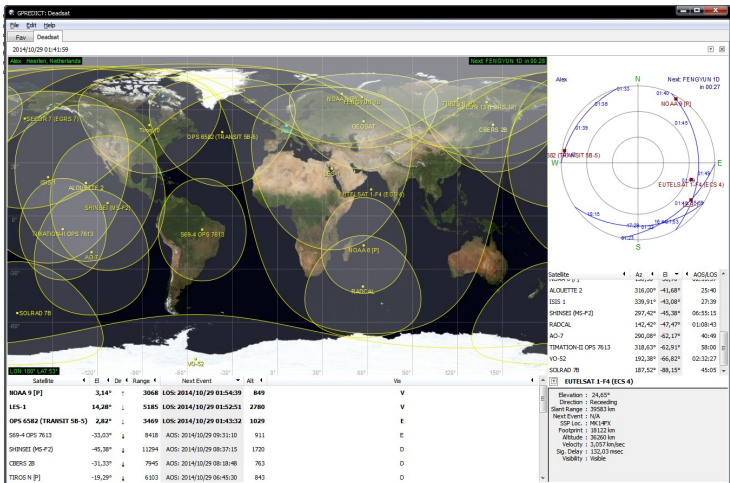
# Hamradio Pure Blend

Portable Packet and Satellite Station by Hibby MM3ZRZ



# Hamradio Pure Blend

gpredict



# Hamradio Pure Blend

## Amateur Packet Networking

- Requirement for identification by callsign
- Use AX.25 at link-layer
- Full AX.25 implementation in the Linux kernel



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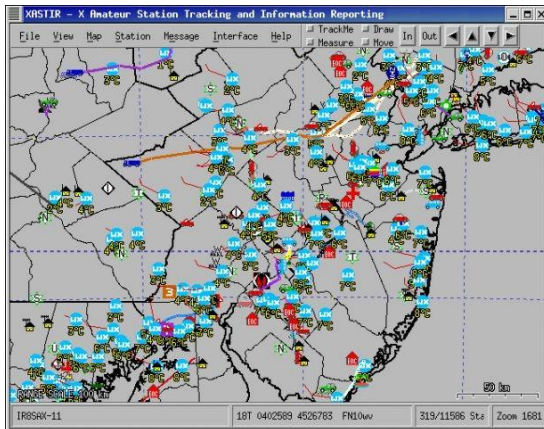
## Software Modems

- **direwolf** - Decoded Information from Radio Emissions for Windows Or Linux Fans
- **soundmodem** - Multiplatform Soundcard Packet Radio Modem

Creates an *axN* interface, that can be used for sending raw AX.25 frames or given an IPv4 address.

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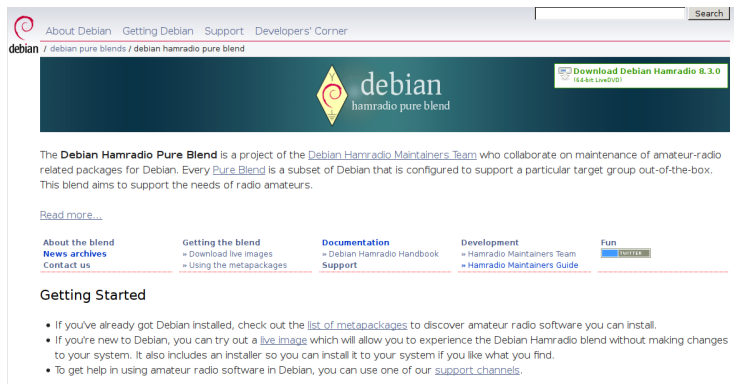
# Hamradio Pure Blend

## IPv4 Allocation for Hamradio

- 44.0.0.0/8 is allocated for hamradio
- 44.131.10.0/24 is allocated for Debian Hamradio
- Services hosted for fun at hamradio.debian.net
  - Networking services provided by BitFolk
- May appear at events in the future

# Hamradio Pure Blend

## Website



The screenshot shows the Debian Hamradio Pure Blend website. At the top, there is a navigation bar with links for "About Debian", "Getting Debian", "Support", and "Developers' Corner". A search box is located on the right. Below the navigation bar, the breadcrumb path reads "debian / debian pure blends / debian hamradio pure blend". A large banner features the Debian logo and the text "debian hamradio pure blend", along with a button to "Download Debian Hamradio 8.3.0 (64-bit LiveDVD)".

The main content area begins with a paragraph: "The **Debian Hamradio Pure Blend** is a project of the [Debian Hamradio Maintainers Team](#) who collaborate on maintenance of amateur-radio related packages for Debian. Every [Pure Blend](#) is a subset of Debian that is configured to support a particular target group out-of-the-box. This blend aims to support the needs of radio amateurs."

Below this is a link to "Read more...".

A horizontal menu contains five categories:

- About the blend**
  - [News archives](#)
  - [Contact us](#)
- Getting the blend**
  - [Download live images](#)
  - [Using the metapackages](#)
- Documentation**
  - [Debian Hamradio Handbook](#)
  - Support**
- Development**
  - [Hamradio Maintainers Team](#)
  - [Hamradio Maintainers Guide](#)
- Fun**
  - [Doodles](#)

The "Getting Started" section follows, containing a list of three items:

- If you've already got Debian installed, check out the [list of metapackages](#) to discover amateur radio software you can install.
- If you're new to Debian, you can try out a [live image](#) which will allow you to experience the Debian Hamradio blend without making changes to your system. It also includes an installer so you can install it to your system if you like what you find.
- To get help in using amateur radio software in Debian, you can use one of our [support channels](#).

`https://www.debian.org/blends/hamradio/`

`@DebianHamradio`

`debian-hams@lists.debian.org`