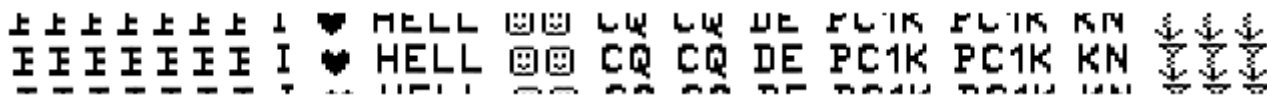


Fldigi customized Hell



Fldigi is great, to make working in Hell mode more fun I have made some customizations:

- Disable right click clear
- Custom fonts
- Change UI Colors
- Add Hell frequencies

Disable right click clear

Every now and then I accidentally right click on the UI where Hell is received, this deletes whatever was received. Since there is no confirmation, a Hell QSO is lost if I forgot to screenshot.

So in the file `src/waterfall/raster.cxx` I commented `clear()`:

```
int Raster::handle(int event)
{
    if (FL::event_inside( this )) {
        if (event == FL_PUSH) {
            if (FL::event_button() == FL_RIGHT_MOUSE) {
                //clear(); //barry disable feldhell right click clear
                return 1;
            }
        }
    }
    return FL_Widget::handle(event);
}
```

Custom fonts

I could not resist and I added some custom characters, since hell fonts consist of only the first 127 characters of ASCII, I replace characters that I do not use with custom ones:

- heart (replaces `)
- smiley (replaces ^)
- ham symbol (replaces \{)
- Hellschreiber Pause Symbol (replaces “)

Also on the fat-14 font I replaced all lower case characters with upper case ones, as if you would use caps lock all the time.

```
EEEEEE I ♥ HELL ☹☹ CQ CQ DE PC1K PC1K KN ↓↓↓
EEEEEE I ♥ HELL ☹☹ CQ CQ DE PC1K PC1K KN ↓↓↓
```

These changes I made in [src/feld/FeldHell-12.cxx](#) and [src/feld/FeldFat-14.cxx](#)

Compiling

I compiled on Ubuntu 24, using

```
sudo apt-get install build-essential
# go to folder where fldigi source is
./configure
make
```

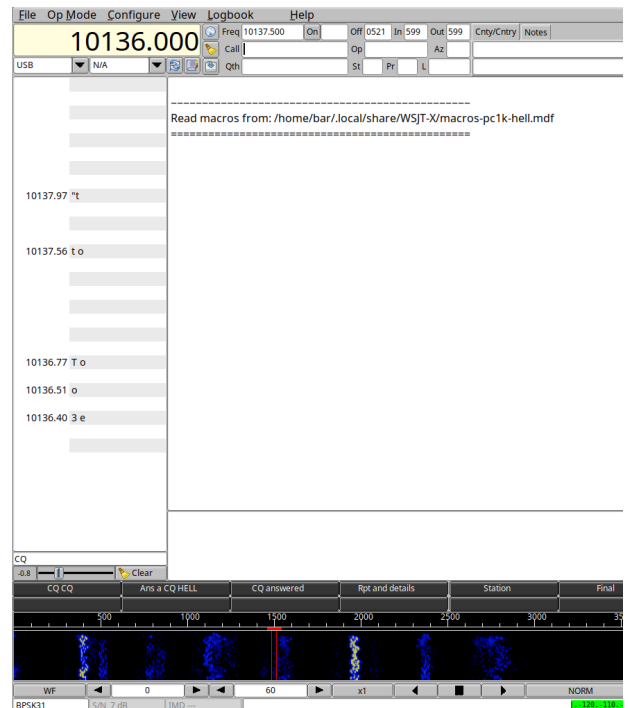
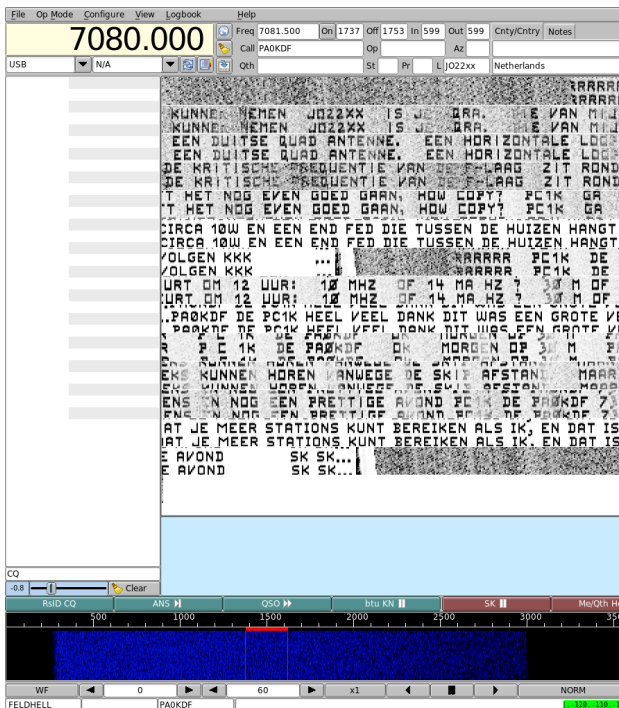
The `./configure` script will check for dependencies and you will have to install missing ones. There are a lot of them, but they are all in standard Ubuntu repos.

Create launcher, open in a text editor `~/.local/share/applications/fldigi.desktop` add the following:

```
[Desktop Entry]
Name=Fldigi Custom Hell
Comment=Fldigi Custom Hell fonts
Exec=~/.fldigi-4.2.05-bin/src/fldigi
Icon=~/.fldigi-4.2.05-bin/data/fldigi-rtty.png
Terminal=false
Type=Application
Categories=HamRadio;Network;
StartupNotify=false
```

Change UI Colors

The default colors of fldigi are I guess a trademark at this point, but I only like black, white and shades of gray. You can screenshot the UI and then use the color picker in for example GIMP. Then you can find the RGB colors in `~/.fldigi/fldigi_def.xml` and manually change them. For example:



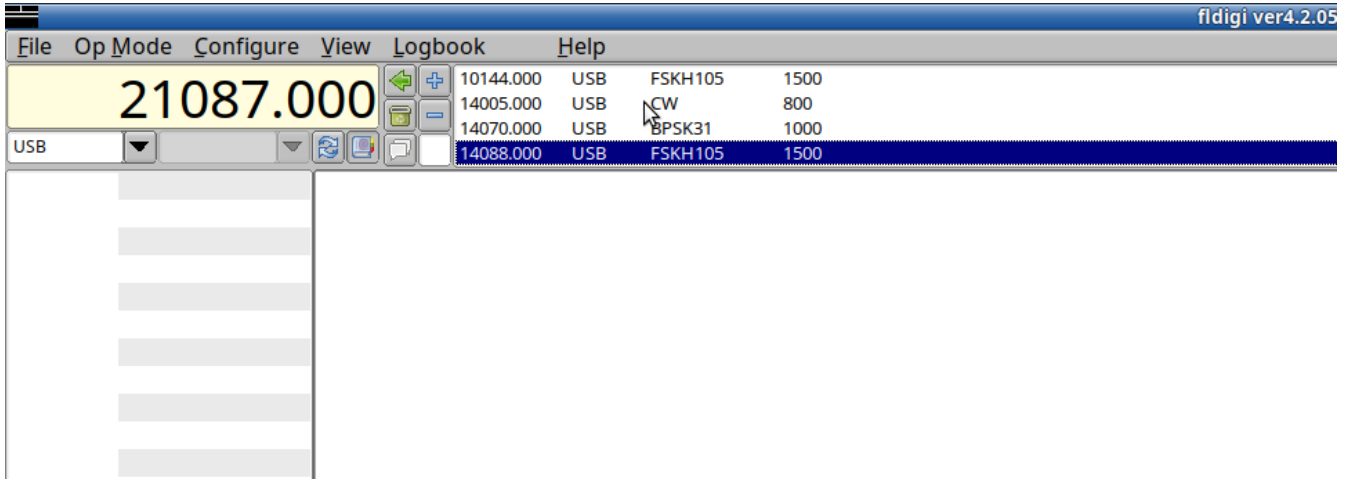
Add Hell frequencies

You can add the Hell frequencies from <https://feldhell.net/#frequencies> to Fldigi by adding them to `~/fldigi/frequencies2.txt`. For example:

```
# rfcarrier rig_mode carrier mode usage
1000500 USB 800 CW
1807000 USB 1000 BPSK31
3505000 USB 800 CW
3580000 USB 1000 BPSK31
3590500 USB 1500 FSKH105
5354000 USB 1500 FSKH105
7005000 USB 800 CW
7030000 USB 1000 BPSK31
7045000 USB 1500 FSKH105
7070000 USB 1000 BPSK31
7080000 USB 1500 FSKH105
7096000 USB 1500 FSKH105
10135000 USB 1000 BPSK31
10144000 USB 1500 FSKH105
14005000 USB 800 CW
14070000 USB 1000 BPSK31
14088000 USB 1500 FSKH105
18100000 USB 1000 BPSK31
18105000 USB 1500 FSKH105
21005000 USB 800 CW
21070000 USB 1000 BPSK31
21087000 USB 1500 FSKH105
24915000 USB 1500 FSKH105
24920000 USB 1000 BPSK31
```

24924000 USB 1500 FSKH105
28005000 USB 800 CW
28080000 USB 1500 FSKH105
28120000 USB 1000 BPSK31

You can then select these Hell Frequencies here:



Links

- <https://pc1k.nl/fldigi/raster.cxx>
- <https://pc1k.nl/fldigi/FeldHell-12.cxx>
- <https://pc1k.nl/fldigi/FeldFat-14.cxx>
- <https://pc1k.nl/fldigi/frequencies2.txt>