

Audio Chain Quick Reference - Ghetto Blaster

■ Complete Audio Chain (PeppyMeter + CamillaDSP)

```
MPD → _audioout → camilladsp → peppy → _peppyout → plughw:0,0 → AMP100
```

■ Critical Configuration

Boot (`/boot/firmware/config.txt`)

```
dtoverlay=hifiberry-amp100,automute  
dtparam=audio=off  
dtparam=i2s=on
```

Database (moOde)

```
cardnum = 0  
i2sdevice = "HiFiBerry AMP100"  
peppy_display = 1  
peppy_display_type = "meter"  
camilladsp = "bose_wave_filters.yml" -- or your filter config
```

ALSA Routing Logic

- _audioout.conf priority:*
- 1. CamillaDSP ON → `camilladsp`
- 2. PeppyMeter ON → `peppy`
- 3. Both OFF → `plughw:0,0`

CamillaDSP playback:

- PeppyMeter ON → `peppy`
- PeppyMeter OFF → `plughw:0,0`

_peppyout.conf:

- Always → `plughw:0,0`

PeppyMeter Config (`/etc/peppymeter/config.txt`)

```
meter = blue  
random.meter.interval = 0  
meter.folder = 1280x400
```

■ Quick Fixes

Fix Audio Chain

```
sudo /usr/local/bin/fix-audio-chain.sh
```

Set PeppyMeter Blue

```
sudo /usr/local/bin/set-peppymeter-blue.sh
```

Validate Everything

```
sudo /usr/local/bin/validate-audio-chain.sh
```

■ Quick Checks

```
# AMP100 detected?  
cat /proc/asound/cards | grep hifiberry  
  
# ALSA routing correct?  
cat /etc/alsa/conf.d/_audioout.conf  
cat /etc/alsa/conf.d/_peppyout.conf  
  
# Services running?  
systemctl status mpd peppymeter camilladsp
```

■ Full Documentation

See: [docs/COMPLETEAUDIOCHAIN_CONFIGURATION.md](#)