

# 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=hiberry-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