Brief description of Linrad configuration for AFE822x / AFEDRI SDR-Net use through USB connection

```
The DLL package [2] is installed, ([5] or later is recommendatest linrad dll package is available here: http://sm5bsz.com/dll.htm
                                                                            CRBD device - Line (105- RFEDRI-SDR-Net Audio
e number - 0, native MS
inted radio - Briedri USB
rate
rate
rate
proper - Briedri USB
interface - Briedri USB
interface - Briedri USB
(direct conversion, time shift-0)
```

```
SELECT HANDWARE FOR RX

R = SQUINT-LATE SUB-TQ

C = Forests

D = SQUINT-LATE SUB-TQ

C = Forests

D = SQUINT-LATE SUB-TQ

E = Recal blur

F = ITI-2872 VBB dongle

J = Sub-TQ

S = Tree Sub-TQ

Choose option "A" to configure Soundcard

Choose
```





```
Select SUNDURAND device for RX input from list

0 Line (105- RECDRI-SUR-Net Rudio
1 Microphone (High Befinition Rud
2 Line 1 (Uirtual Rudio Cable)

Select (first) device for Rx input by Line number> 0
Do you need more channels from the same soundcard? (Y/N)
F1 for info/help

Choose "N" (i.e. you do not need more channels from the same sundcard)
```

32bit Linrad-04.14a DCARD device for RX input from list Line (105- AFEDRI-SDR-Net Audio Microphone (High Definition Aud Line 1 (Virtual Audio Cable) Select (first) device for Rx input by line number> 0 Do you need more channels from the same soundcard ? (Y/N) F1 for info/help Linrad can not query hardware because Bindows will report that everything is possible. Bindows will silently resample and provide data that would be meaningless in an SDR context. Therefore, make sure you enter data that is compatible with the native capabilities of your soundcardhardware. (And make sure that the soundcard really is set to the speed you have selected.) Use extended format (WAVEFORMATEXTENSIBLE) ? (Y/N) F1 for info/help 32bit Linrad-04.14a Select SOUNDCARD device for RX input from list

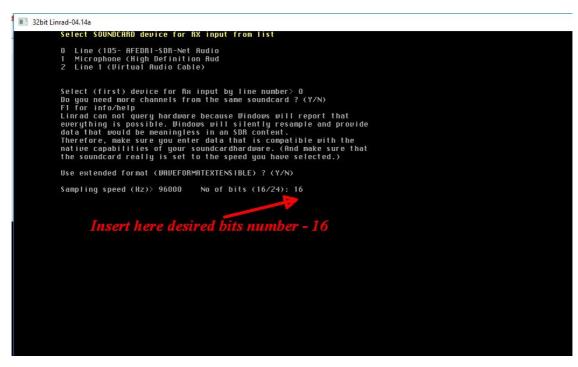
- O Line (105- AFEDRI-SDR-Net Audio 1 Microphone (High Definition Aud 2 Line 1 (Virtual Audio Cable)

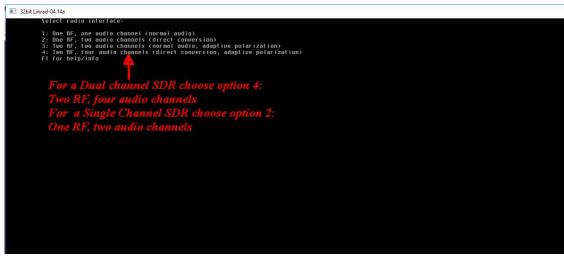
Select (first) device for Rx input by line number> 0
Do you need more channels from the same soundcard ? (Y/N)
Fl for info/help
Linrad can not query hardware because Windows will report that
everything is possible. Windows will silently resample and provide
data that would be meaningless in an SDR context.
Therefore, make sure you enter data that is compatible with the
native capabilities of your soundcardhardware. (And make sure that
the soundcard really is set to the speed you have selected.)

Use extended format (WAVEFORMATEXTENSIBLE) ? (Y/N)

Sampling speed (Hz)> 96000_

Insert here desired sample rate - 96000 Hz



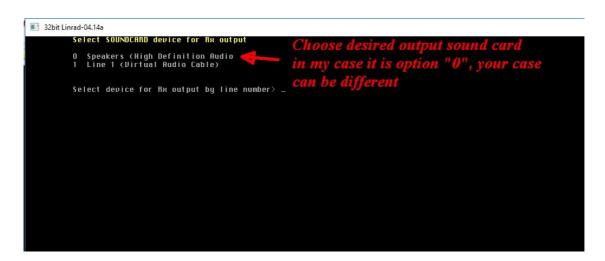


```
Select receiver hardware to use with soundcard.

0 Undef
1 Undef reversed
2 USE
3 S1570
4 Soft66
5 Elektor
6 FCD Pro Plus
7 Rfedri USB

Select by line number=> _
```

CURRENT R/D and D/A SETUP FOR RX Linrad RX input from: SOUNDCRRD device device number associated radio sample rate no of input bytes radio interface Linrad RX output to: NOT YET SELECTED: (Select Menu Option 'B') DMA rate min=30 max=300 R = Change input seutings and reset all other soundcard settings. C = Change nin/max dma rate. E = Enable/Disable frequency converter and set L0. Choose option "B" for output sound card choice X = To main menu.



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```
CURRENT A/D and D/A SETUP FOR RX
Linrad RX input from: SOUNDCRAD device device number associated radio sample rate no of input bytes radio interface = Line (105- RFEDRI-SDR-Net Rudio = 0, native MME = Rfedri USB = 960000 = 2 (16 bits) = 2 (16 bi
Linrad RX output to: SOUNDCARO device device number 0/R sample rate 0/R somple rate 0/R bytes 1 or 2 0/R channels 1 or 2
R = Change input settings and reset all other soundcard settings if a soundcard is selected as input.

B = Change the output soundcard settings.

C = Change min/max dma rate.

D = Set parameters for soundcard radio hardware.

E = Enable/Disable frequency converter and set LO.

Choose option "D" to setup parameters of radio hardware

X = To main menu.
```

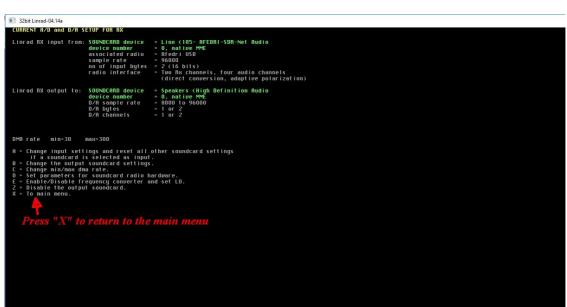
32bit Linrad-04.14a

```
Use SDR_Control under Windows to set Diversity Mode (dual channel)
and save RX mode if your dual channel Afedri shows only one RF channel
   O: Product AFEDRI-SDR-Net Audio Type: 255d 0002 Serial: B446A7473436
    Unit autoselected. Choose option "1" for all modern AFEDRi SDR and AFE822x SDR models
     Select UGA type by line number. 1
```

```
Use SDR_Control under Windows to set Diversity Mode (dual channel)
and save RX mode if your dual channel Rfedri shows only one RF channel

0: Product RFEDRI-SDR-Net Rudio Type: 255d 0002 Serial: B446R7473436
Unit autoselected.
0: RDB350
1: RDB350
Select U6R type by line number. 1
L0 frequency error in ppb => 0_

Choose LO frequency error compensation,
in the beginning it will be good to use Oppm
```



```
Relieak signal CW 2-Process first file named in 'adfile'
Re-warnal CW 2-Process first file named in 'adfile'
Re-warnal CW 2-Process first file named in 'addeuv'
3-select file from 'addeuv'
5-sis 4-select file from 'addeuv'
5-sis 4-select file from 'addeuv'
6-onss CW 1-select file from 'addeuv'
6-select file from 'addeuv'
6-s
```