

Procédure de calibration des entrées

Les 2 entrées doivent être en contact avec le signal venant de l'ampli, comme l'indique le schéma sous [Calibrating the impedance rig](#) au chapitre [Impedance measurement](#), la résistance R sense étant hors circuit.

The screenshot shows the 'Make a measurement' window with the following settings:

- SPL** / **Impedance** (selected)
- R_{SENSE} : 0,0
- R_{LEADS} : 0,000
- Calibration Mode - Disconnect Load and Short Out Sense Resistor**
- Measure using 512k log sweep from DC to 24 000 Hz at -17,0 dB taking 10,9 s**
- Start Freq (Hz): 0
- End Freq (Hz): 24 000
- Level (dBFS): -17,0
- Length: 512k
- Sweeps: 1
- Total Time: 10,9s
- Output: Default Output, Both
- Buttons: Check Levels, Start Measuring, Annuler
- Start Delay (s): 0
- Status: Ready to measure...
- Progress bar: 0 %

On the right, three vertical level meters are shown:

- Out**: Scale from 0 to -60 dBFS. A red line indicates the peak level at approximately -20 dBFS.
- In**: Scale from 0 to -60 dBFS. The current reading is -99,0 dBFS.
- Ref In**: Scale from 0 to -60 dBFS. The current reading is -99,0 dBFS.

A tooltip explains the meters: "RMS signal level, dB below FS. Red line shows peak level. Default Output".

Verification du niveau avec la fonction « Check Levels »

Make a measurement

SPL Impedance R_{SENSE} 0,0 R_{LEADS} 0,000

Calibration Mode - Disconnect Load and Short Out Sense Resistor

Measure using 512k log sweep from DC to 24 000 Hz at -17,0 dB taking 10,9 s

Start Freq (Hz)	End Freq (Hz)	Level (dBFS)	Length	Sweeps	Total Time
0	24 000	-17,0	512k	1	10,9s

Output: Default Output Both

Check Levels Start Measuring Annuler

Start Delay (s) 0

Level OK
-18,8 dB

Ready to measure...

0 %

Out 0 dBFS
In -54,5 dBFS
Ref In -54,4 dBFS

Puis mesure

Make a measurement ✕

SPL Impedance R_{SENSE} R_{LEADS}

Calibration Mode - Disconnect Load and Short Out Sense Resistor

Measure using **512k log sweep from DC to 24 000 Hz at -17,0 dB taking 10,9 s** ⤴

Start Freq (Hz)	End Freq (Hz)	Level (dBFS)	Length	Sweeps	Total Time
<input type="text" value="0"/>	<input type="text" value="24 000"/>	<input type="text" value="-17,0"/>	<input type="text" value="512k"/>	<input type="text" value="1"/>	10,9s

Output

Start Delay (s)

Headroom
15,3 dB

Remaining sweeps: 1 time: 5s

Out

-17,0
dBFS

In

-18,7
dBFS

Ref In

-18,7
dBFS

Measure Open Save All Remove All Info

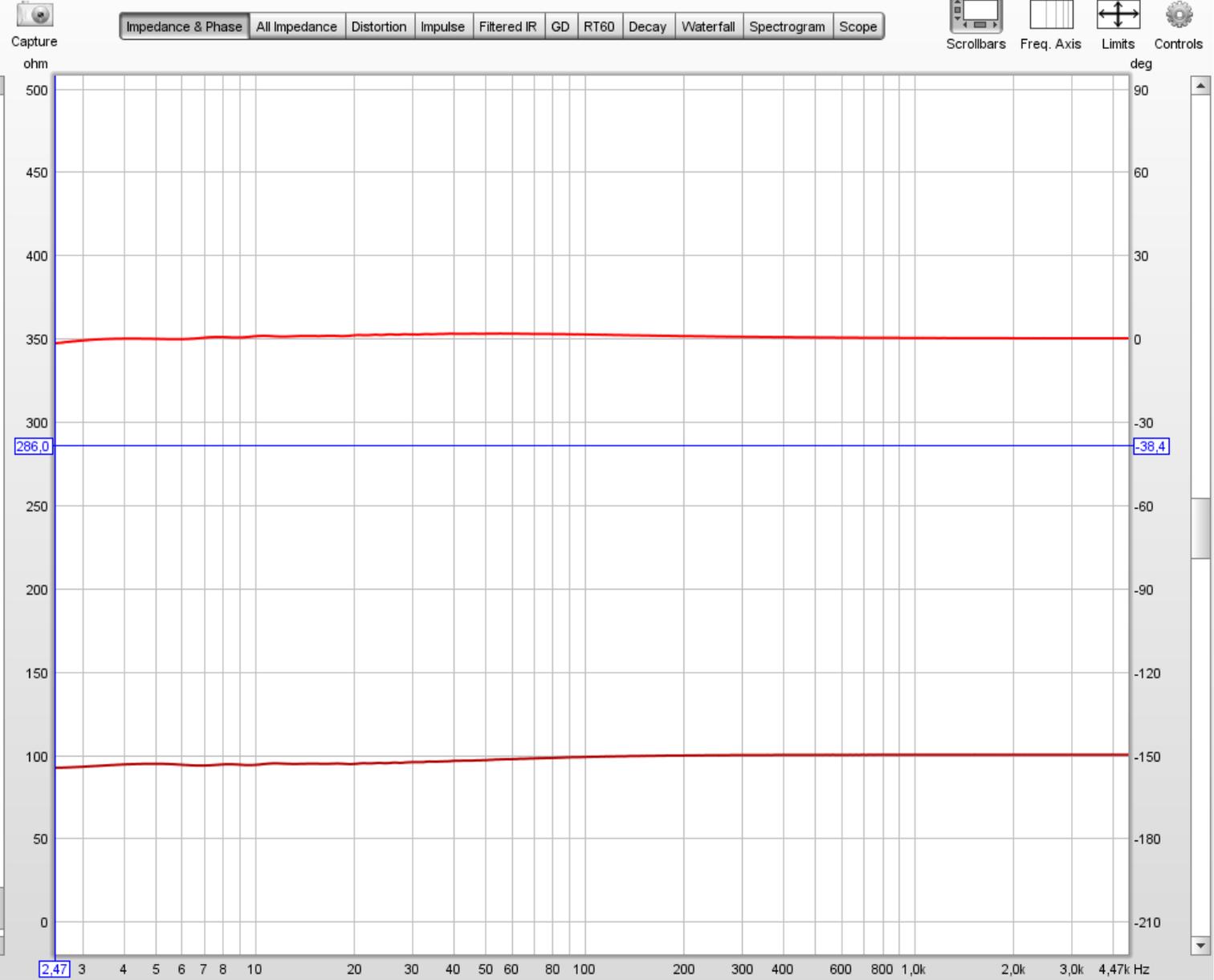
IR Windows SPL Meter 83 Generator Levels Overlays RTA EQ Room Sim

Preferences

Collapse Impedance Cal
1 28 nov. 2017 18:56:12
R sense: 0,0 ohm
Calibration: 1,0000
Impedance Calibration
Measured was 98,516% of reference

Impedance & Phase All Impedance Distortion Impulse Filtered IR GD RT60 Decay Waterfall Spectrogram Scope

Scrollbars Freq. Axis Limits Controls



Impedance Cal 92,4 ohm Phase -1,8 deg

Enregistrement de cette calibration

Preferences

Soundcard | Mic/Meter | Comms | House Curve | Analysis | Equaliser | View

Drivers
Java

Output Device
Default Device

Buffer
32k

Input Device
Audio intégrée Intel(r)

Buffer
32k

Sample Rate
48 kHz

Output
Default Output

Both
Both

Input
LINE_IN (Entrée ligne)

Right
Right

Input Options

Control output mixer/volume

Control input mixer/volume

Invert

Output Volume: 0,500

Mute

Input Volume: 1,000

High Pass

Sweep Level: -17,0 dBFS

Calibration

File: Essai 0.cal

Browse... Clear Cal Calibrate... Make Cal...

Levels

Use subwoofer test signal to check/set levels

Check Levels... Generate Debug File...

Help

The first stage of measuring the soundcard is to use a 1kHz tone to set the levels of the measurement signal and the soundcard input. The tone is generated at the current **Sweep Level** setting, it is best to use a fairly high level for soundcard measurement, between -12 and -6 dBFS. Set this level now using the **Sweep Level** control above, the original sweep level setting will be restored at the end.

If the REW volume controls are available and enabled set **Wave Volume** to 1.0 (full volume), **Output Volume** should be around 0.5 if it affects the signal level. If REW volume controls are not available or not being used set the levels via the controls in your soundcard's mixer or your OS audio control panel.

Press **Next** when the **Sweep Level**, **Wave Volume** and **Output Volume** have been set or **Cancel** to quit

Out In Ref In

0 -10 -20 -30 -40 -50

0 -10 -20 -30 -40 -50

0 -10 -20 -30 -40 -50

dBFS dBFS dBFS

Next > Annuler