

## 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' dialog box 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 for the meters reads: "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** **In** **Ref In**

0 -10 -20 -30 -40 -50 -60 dBFS

0 -10 -20 -30 -40 -50 -60 dBFS

0 -10 -20 -30 -40 -50 -60 dBFS

**-54,5** **-54,4**

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



Collapse <<

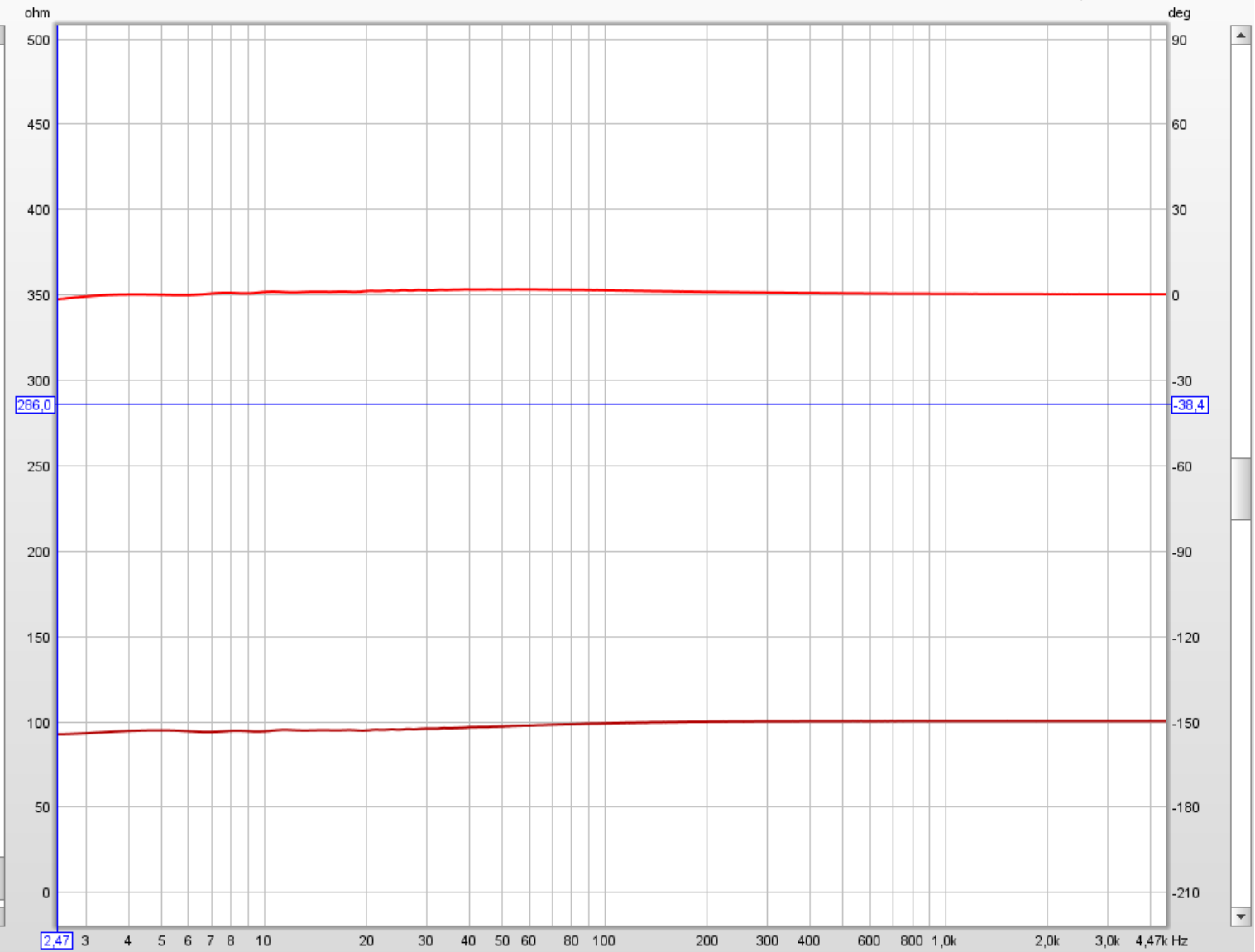
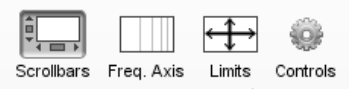
Impedance Cal

1 28 nov. 2017 18:56:12  
R sense: 0,0 ohm  
Calibration: 1,0000

20 20,0k

Impedance Calibration  
Measured was 98,516% of reference

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



286,0

-38,4

2,47

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  
Sample Rate: 48 kHz  
Output: Default Output | Both  
Input Device: Audio intégrée Intel(r) | Buffer: 32k  
Input: LINE\_IN (Entrée ligne) | Right

Input Options:  
 Invert  
 High Pass  
 Control output mixer/volume  
Output Volume: 0,500 |  Mute  
Sweep Level: -17,0 dBFS  
 Control input mixer/volume  
Input Volume: 1,000

**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

Next > | Annuler

Out, In, Ref In level meters (dBFS)