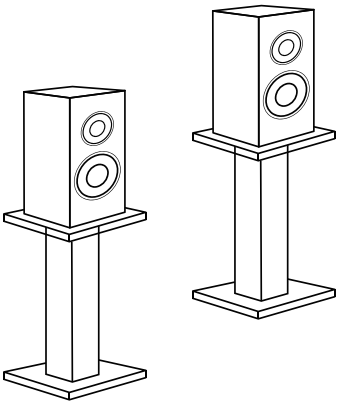
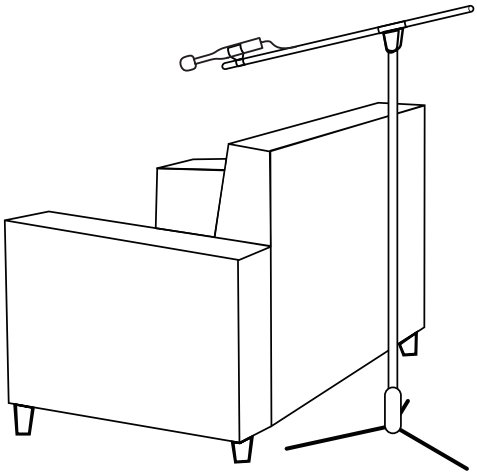
Eversolo DMP Series Room Correction Guide

DMP 系列房间校准教程





Eversolo Audio Technology Co.,Ltd
深圳市艾索洛声学科技有限公司

Room Correction on the Device

1.Preparations

Environmental Requirements:

(1) Keep the room quiet and minimize any external noise.

(2) Make sure the speakers are positioned correctly.

(3) Turn off any unnecessary lights and electronic devices in the room.

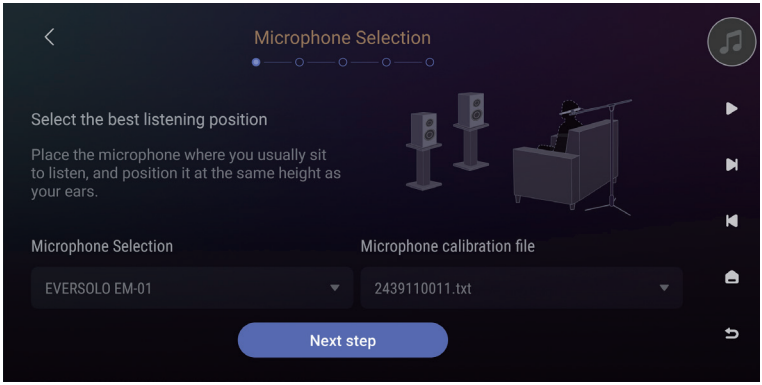
2.Specific Steps

① Microphone Selection:

(1) Choose USB microphone.

(2) Select the microphone calibration file (if available).

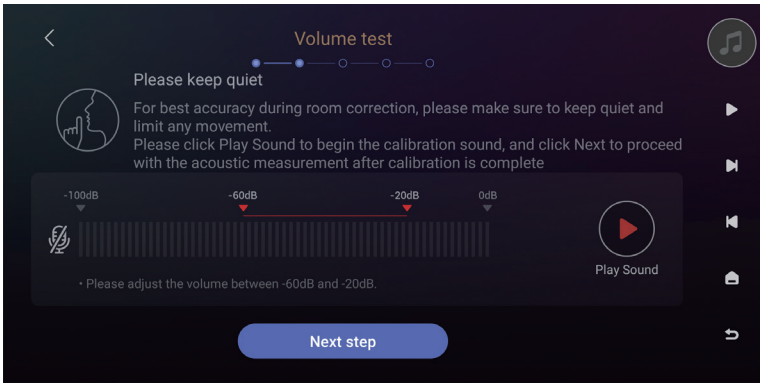
(3) Place the measurement microphone at the best listening position as instructed by the software.



② Volume Test

(1) Click “Play Sound” and make sure the volume to fall between -60dB and -20dB.

(2) Once the the volume test is complete, click “Next step” to proceed.

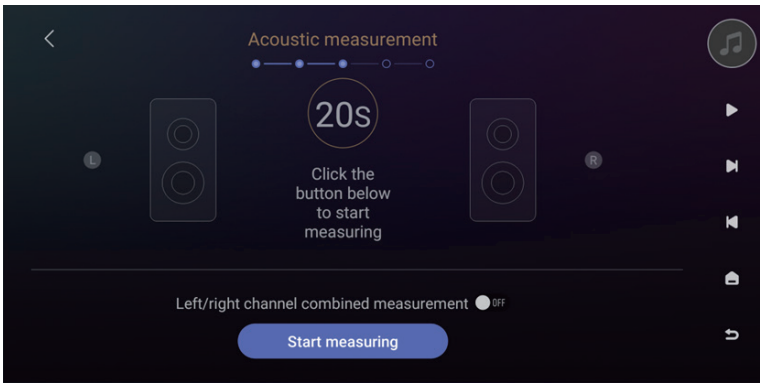


③ Acoustic Measurement

(1) Select whether to combine left and right channels for measurement.

(2) Click “Start Measuring”， and DMP will begin playing the frequency response sound.

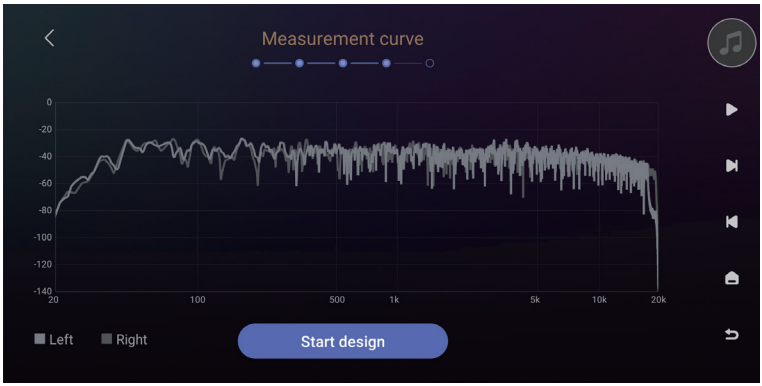
(3) Once playback is complete, the audio curve will be automatically analyzed.



④ Measurement Curvet

(1)The captured audio curve will be displayed. If you are not satisfied with this recording result, you can go back and retake the measurement.

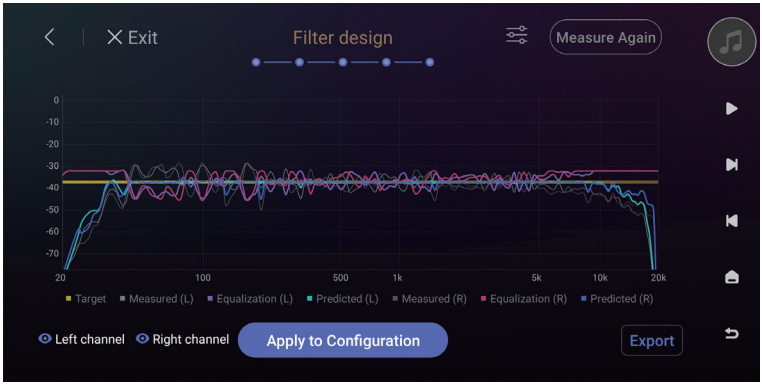
(2)Click “Start design” to generate the filter.



⑤ Filter Design

(1) DMP will automatically generate filters by analyzing the curve.

(2) Review the curve to understand the acoustic issues in the room.



⑥ Filter Settings(Adjust based on your room's characteristics)

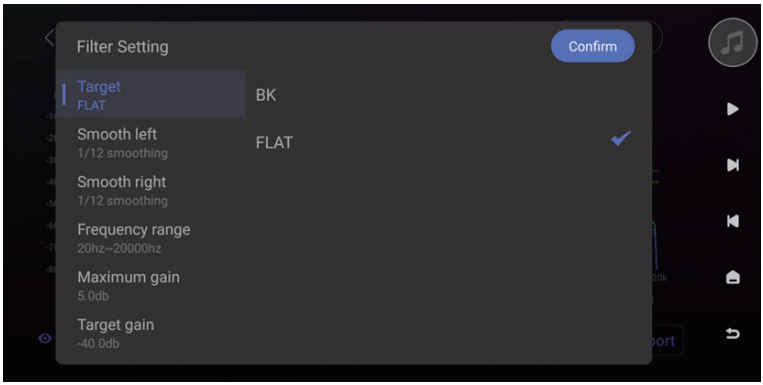
(1) Target Curve: The standard for your room’ s acoustic properties, ensuring the calibrated sound meets this benchmark.

(2) Smoothing: Adjust the smoothness of the EQ curve to reduce noise and create a softer sound.

(3) Frequency Range: Set the correction frequency range according to specific needs.

(4) Maximum Gain: The maximum volume increase allowed by the EQ curve to prevent distortion and clipping.

(5) Target Gain: The gain applied to the target curve, used for room acoustic correction.



⑦ Apply to Configuration

Directly apply to current FIR configuration.

⑧ Export

Select a folder to export to. The exported file can be applied to various configurations.

Room Correction by Using Eversolo Control AppScreen

1.Preparations

① Environmental Requirements:

(1)Keep the room quiet and minimize any external noise.

(2)Make sure the speakers are positioned correctly.

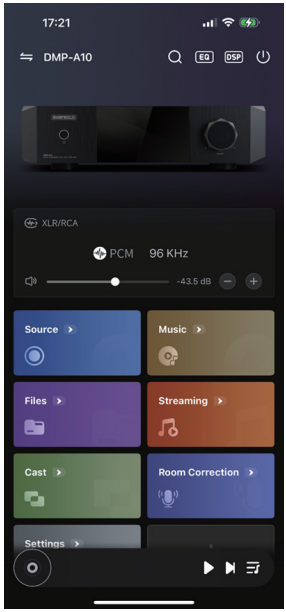
(3)Turn off any unnecessary lights and electronic devices in the room.

② Install Eversolo Control App on your phone.

2.Before Testing

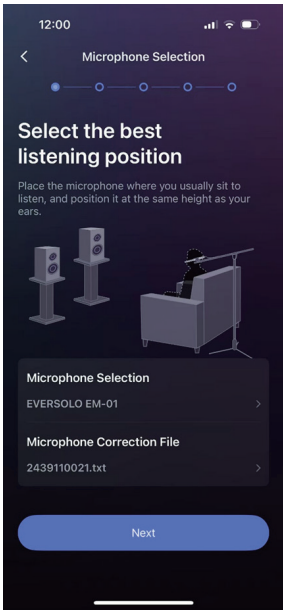
① Pairing with Eversolo Control App

Launch the Eversolo Control App, add the DMP, and then select the device to enter the main interface



② Enter Room Correction Module

Click “Room Correction” on the main interface to enter it.



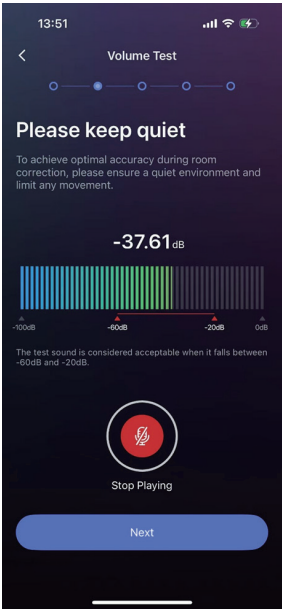
③ Microphone Selection

(1)Choose external USB microphone or phone's microphone.

(2)Select the microphone correction file (if available).

(3)Place the USB measurement microphone or the phone at the best listening position as instructed by the software.

3.Start Testing



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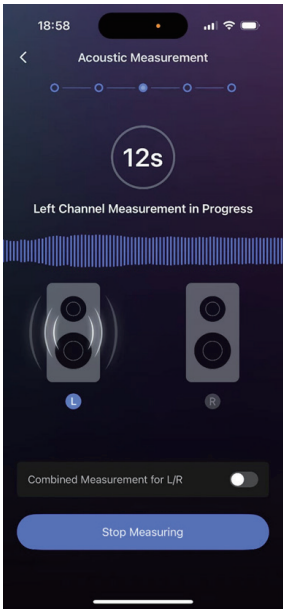

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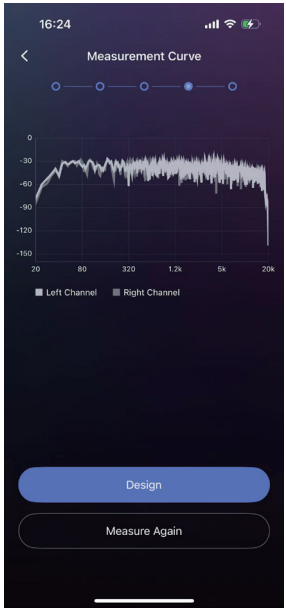

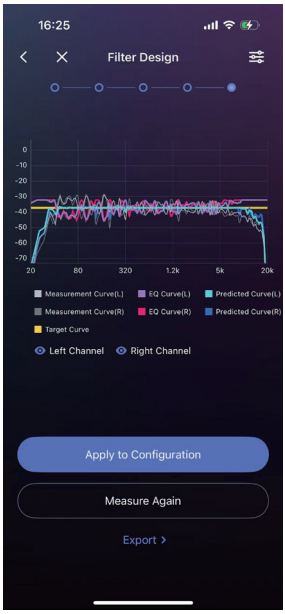

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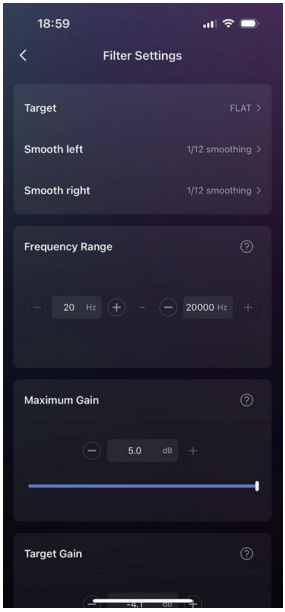

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⑦ Export

Select a folder to export the file. The exported file can be directly useed in various configurations.

Note: After importing the FIR filter, room correction will only take effect if the corresponding DSP configuration interface is enabled.