

Tel.: +86 20 39388220

Web: <http://www.rhaudiopa.com/>

Fax: +86 20 31072811

Email: [info@rh-audio.net](mailto:info@rh-audio.net)

## Surface Mount Wall Speaker RH-MS19



The [RH-AUDIO](#) Surface Mount Wall Speaker RH-MS19 has unique with flat rear, generally produces better sound without taking up the valuable floor space that floor mounted speakers, can be placed anywhere for commercial applications such as the sound reproduction in areas such as coffee bars, clothes stores, shopping malls, restaurants, factories, gymnasiums etc.

Attractive color ABS resin finish with white grille & attractive curved shape suits any decor.

Built-in voltage transformer in the 100-volt distributed speaker systems to allow easy parallel connection of multiple loudspeakers.

Structure of the Mount Wall Speaker

Backboard: the design of the rear shell must take opening the shedding on the rear shell to increase the diffraction of sound waves into account, because the flat speakers wave like vibrations. Similarly, the same sound pressure is generated on the back (only phase difference), so windows must be provided to increase the sound radiation.

Vibrating board: it acts as a human vocal cord, and plays a decisive role in the timbre, volume and smoothness of the sound.

Suspension system: the vibration principle of a flat speaker is totally different from that of a conventional loudspeaker. The conventional trumpet adopts the piston type vibration mode, and the flat speaker adopts random vibration mode, so the lowest resonance frequency is not only one point, but more than ten points. A well designed flat speaker even has more than twenty points.



**RH-AUDIO** Guangzhou Xinghongde Electronics Technology Co.,Ltd.

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And its driving point is not in the center, because the center does not get the maximum sound pressure and the smoothest frequency response curve, but in the best position of the vibration of the joint, and the four suspension points of the 1:9 ratio, make up a reasonable suspension system.

Driver: it is a heart of a flat speaker. The main point of the design of the driver is its extremely small effective stroke. Secondly, the voice coil part can not be too heavy, otherwise the high frequency part will have serious distortion. The design requires light weight, small volume and large magnetic force. Based on the above factors, we can use high magnetic materials. In general, the magnetic beam density should be 10000 Gauss or more in order to have better performance.

The characteristic of [black wall speakers](#):

- ※ With rated power 5W/10W.
- ※ With speaker unit full range 6.5"\*1
- ※ Built-in 100V transformer (This technique of line input 100V reduces signal losses on a longer distance and allows easy parallel connection of multiple loudspeakers).
- ※ ABS enclosure, metal grille.
- ※ Easy and secure wall mount through the mounting hook on the rear.

The specifications of [surface mount wall speakers](#):

Model	RH-MS19
Rated Power	5W/10W
Input Voltage	100V
Frequency Response	150Hz-15KHz
Sensitivity(1w,1n)	92±3 Db
Dimension	350*240*100mm
Finished	White
Material	ABS
Speaker Unit	6.5"*1
Weight	1.7kg

