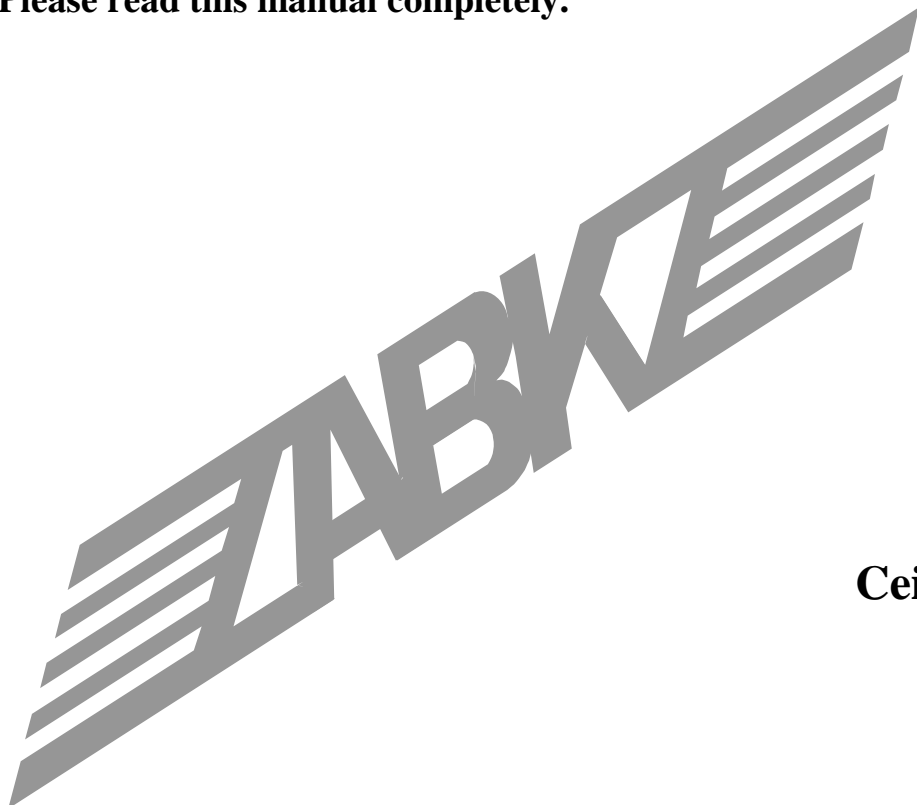


OWNER'S MANUAL

Please read this manual completely.



WA281

Ceiling Loudspeaker



INTRODUCTION

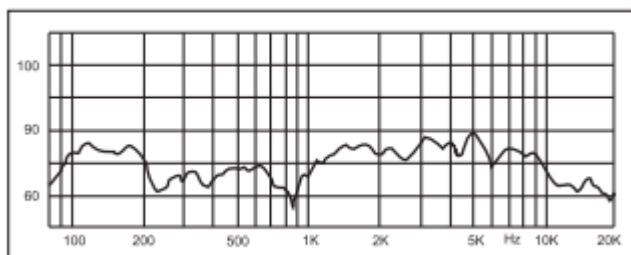
WA281 Ceiling loudspeaker adopts the fashionable thin-edge plane big cylinder and the carbon alloy aluminum mesh design with the RAL white coating so as to integrate with any indoor place perfectly. Equipped with a 6.5", design of V0 waterproof rear cover, full-range designed loudspeaker with magnetic circuit encapsulated with special engineering plastic process, and the drum paper formed with tripping and hot pressing of algae slaved organisms, for the purpose of super-strong reproduction of voice and music. Maximum sound pressure level (101dB).It is conformity with the IEC 268-5 power handling capacity(PHC) standard, and able to operate continuously for 100 hours and carry out simulating acoustic feedback exposure (SAFE) test. It is able to bear the double rated powers within a short period, so as to ensure the high reliability of the loudspeaker under extreme conditions, prolong the service life, and reduce the possibility of occurrence of fault or degradation of performance to a great extent.

FEATURES

- **Super-strong reproduction of voice and music**
- **Fashionable design of thin edge, plane, and big cylinder**
- **Easy installation, suitable for ceiling in different thickness**
- **UV-level highly flame retarding**

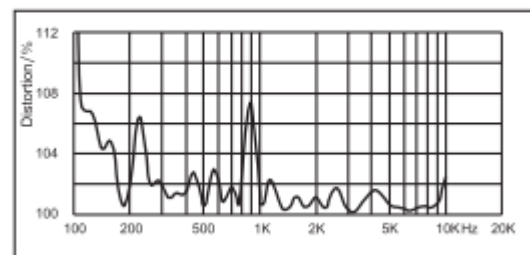
FREQ. RESPONSE

(dB SPL, 1W, 1m)

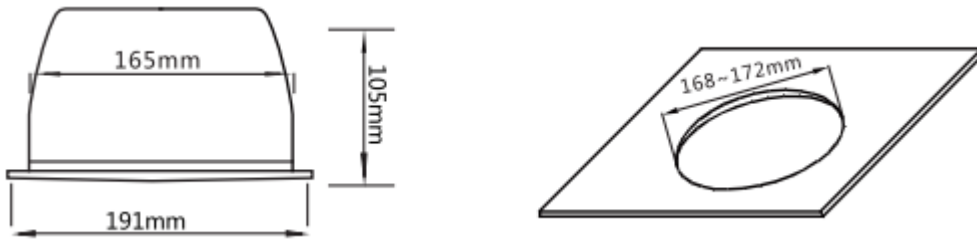


DISTORTION

(THD < 1.5% 1W, 1m, 200Hz-10kHz)



INSTALLATION METHOD

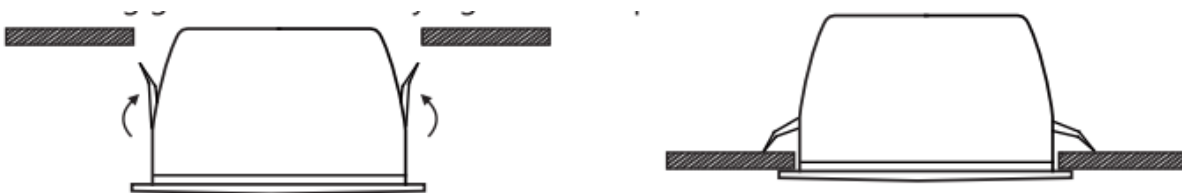


1. Cut a \varnothing 165mm - \varnothing 170mm installation hole on ceiling as shown above.
2. The height of the spring clip is suitable for ceilings in different thickness
3. Connect the audio broadcast transmission line. Select suitable terminal connection according to the table below as required by the actual power need:

Power Terminals	Line Voltage	
	70V	100V
Red--- Blue	2.5W	5 W
Red --- White	3 W	10 W

Note: “*” the connection method is used only in case of the longer transmission distance and larger line consumption.

4. Upturn the spring clips of the loudspeaker at both sides and insert into the installation hole, and let go, and then push slightly the loudspeaker into the ceiling (see figure below). In order to prevent the injury trapped by the spring, it is recommended to wear the working gloves when carrying out this operation.



5. Finally, inspect whether it is installed in a firm and reliable way.

OPERATING PRECAUTIONS

- 1 Do not block ventilation holes.**
- 2 The amplifier should not be placed in any of the areas:**
 - 1) with poor ventilation;**
 - 2) exposed to direct sunlight;**
 - 3) with high ambient temperature or adjacent to heat-generating equipment;**
 - 4) with high humidity or heavy dust;**
 - 5) susceptible to vibration.**
- 3 Make sure the power outlet conforms to the plug of the unit.**
- 4 Do not use this unit if the electrical power cord is frayed or broken.**
- 5 Always operate the unit with the AC ground wire connected to the electrical system' s ground.**
- 6 If an alarm rings after the power has been on and the signal has been fed, there must be an of output short-circuit trouble. In a such case, please turn the power off. Do not turn on the power again, until the trouble shall be resolved.**

SPECIFICATIONS

Loudspeaker	6.5"*1
Rated power	5W
Maximum power	10W
Outline dimension	191mm*105mm
Efficientive frequency range	110~15k Hz
Storage temperature	-25°C~+55°C
Characteristic sensitivity(1m/1w)	90dB
Weight	0.9kg

Specifications are subject to change without notice.

CAUTION

- When the “Power switcher” is off, please pull out the power cord from the socket. Please keep the equipment out of water.
- To reduce the risk of electric shock, do not remove the cover.
- No user parts inside. Refer servicing to qualified service personnel.
- The symbol ⚡ on rear panel indicates hazardous live. The connection of these terminals must be operated by the instructed person.
- The unit connects to the mains by the plug. Pull out the plug when the unit is in fault or danger status. So the socket for the unit plugging must be set in the place can be easy to plug into and pull out the plug.

Guangzhou DSPPA Audio Co., Ltd.