

DSP40I Invisible Speaker System



Description

The DSP40I is a 40W invisible speaker that can be radiated in all directions. Thanks to the special driver unit and special material used in the surface cover, DSP40I can perform with wonderful sound when it is installed inside the wall or ceiling.

Totally invisible. When installed in the wall or ceiling and furnished with paint, the DSP40I can be integrated with the surroundings and be totally invisible. It is an ideal choice for industrial and commercial applications in shopping malls, office building and museums where background music and paging is needed.

Features

- Input 70V/100V
- Wide Freq. Response: 100Hz -20 kHz
- Max SPL:103±2dB
- High sensitivity:87±2dB
- Totally invisible, installed in the wall or ceiling
- Excellent sound quality, for installation in high-end places

Specifications

Model	DSP40I
Freq. Response	100Hz -20 kHz
Sensitivity (1w/1m)	87 ± 2dB
Dimension	300mm × 400mm × 52mm
Input Voltage	70V/100V
Normal Power	20W/40W

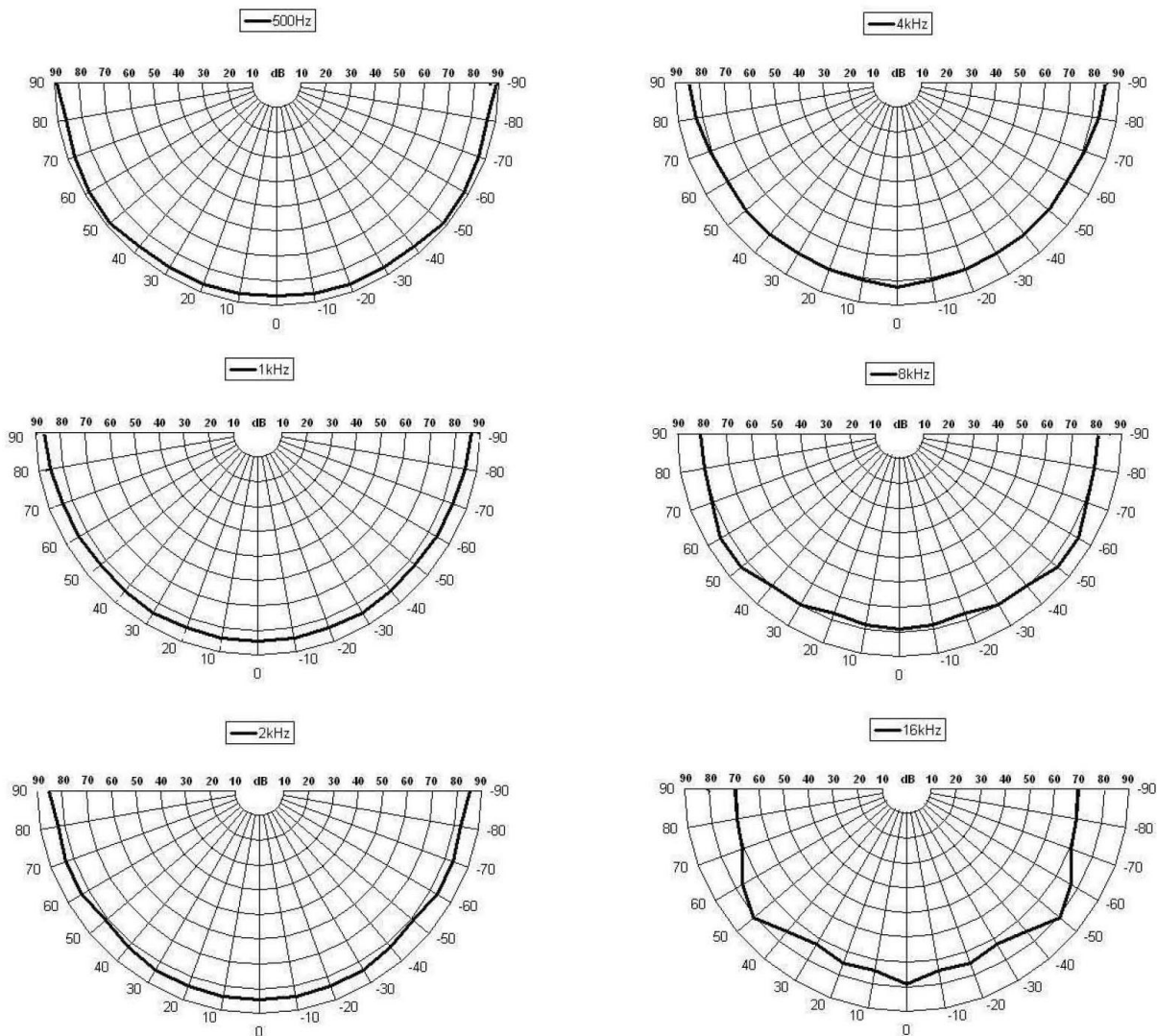
Max SPL

103 ± 2dB

Weight

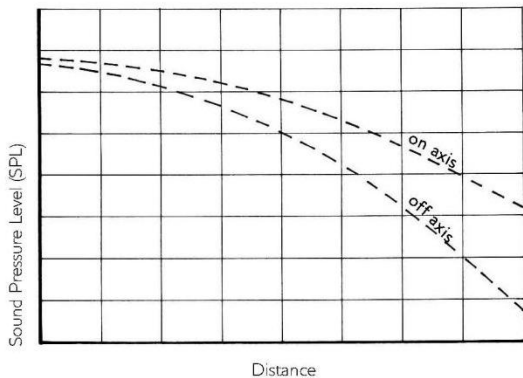
1.7 kg

Coverage

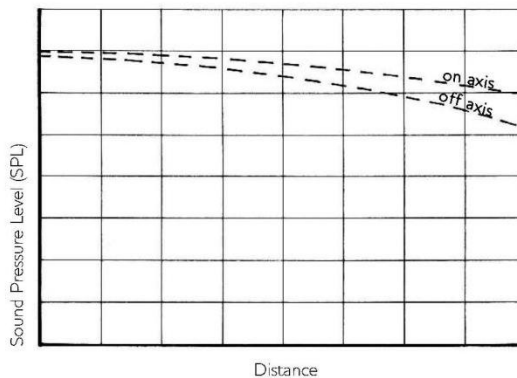


The S.P.L fall-off

Conventional Cone Loudspeaker



DSPPA Flat Panel



Installation

1. Cut a small aperture where needed to install and measure the distance between the frames; make sure there is enough space to avoid the frame behind the wall in order to put the back cover in.
2. Mark lines to confirm the position with the additional cardboard (304mm×404mm).
3. Cut the aperture according to the marked lines by a saw or knife (as figure A).

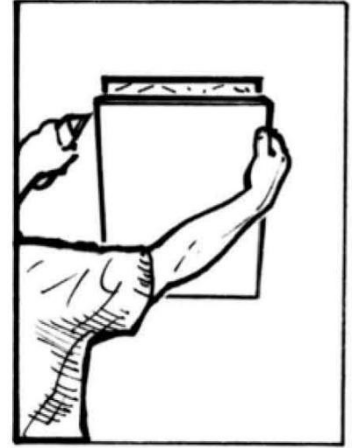


Figure A

4. Pull the audio line through the hole of back cover.
5. Put one side of back cover into the hole then put the whole back cover.
6. Fasten down the installation surface and back cover as figure B (each side fasten 4 additional screws, totally 8).

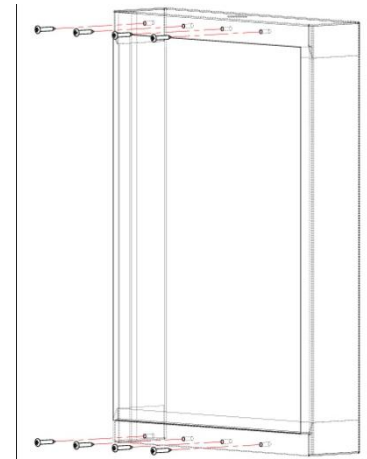


Figure B

7. Connect the audio wire to the terminal of speaker.
8. Push the surplus audio wire out to avoid getting in touch of speaker's back.
9. Connect the speaker to the back cover; make sure there is 2mm distance between the speaker and the edge and whether the speaker is at the same level (as figure C).
10. Please test the speaker immediately: first of all check the impedance on the other side, then test audio frequency with scanning signal in order to confirm whether there are noises from the surface of speaker, back cover or neighboring surface.

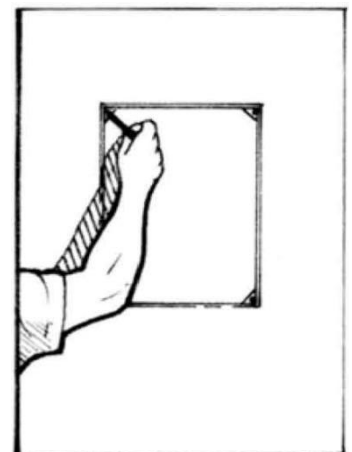


Figure C

11. Putty the crack between the speaker and the installation surface.
12. Cover speaker and the crack with seaming mesh (as figure D).

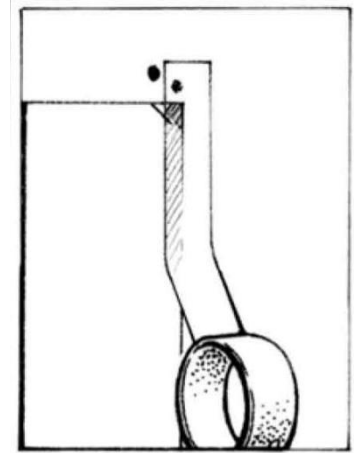


Figure D

13. Paint a 2mm depth putty on the whole installation surface (as figure E).
14. Test speaker once again.
15. After the test is over and when your plasterwork is completely dry, decorate the surface of the plaster with paint, wallpaper, fabric or other coatings as required.

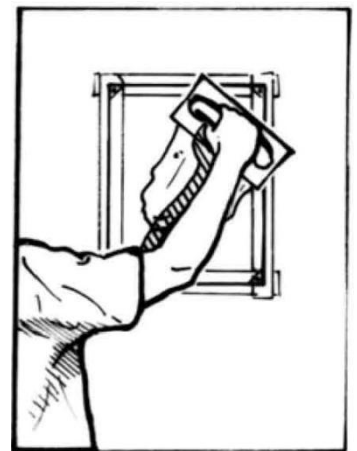


Figure E