

Product Description

This audio tactile transducer can be attached to many types of surfaces to create a simulation of a loudspeaker that has no "apparent" source. The quality of sound from this approach will be dependent upon the surface and loudness level needed. Best applications are in areas where background music is needed, or to create a presence of sound effects or noise masking.

The EV 75 is a "Best in Class" Full range transducer that provides excellent frequency response and power output for special applications where an invisible sound source is needed.

**Technical data:**

- 40mm Voice Coil
- ±3mm stroke
- 40W / Impedance: 8 Ohm
- Moving mass approximately 170gr
- Total weight 230gr
- Dimensions: Diameter 67mm / Height including pin 48,5mm / maximum width: 84mm
- Usable bandwidth: 30- 15000 Hz (depending on surface)
- Mounting: M6x10 thread pin
- Connection with sealed 2.pin connector
- IP rating: IP44

The EVOLAC EV75 transducer is supplied with a flange, a fixation nut and a 3 meter cable with a special locking connector that ensures a good connection once the transducer is built into a wall, on furniture, etc.

How to attach and where to mount.

The Evolac EV75 transducer can be mounted on a wide variety of surfaces. Before you attach the unit we advise you to connect the amplifier to move it around and test the sound reproduction. Remember that for Stereo Music sources, Left and Right Channels are needed

Suggested Playback Materials:

Dry-Wall panels, best results can be accomplished if a location is chosen between the struts so a larger surface can be brought into resonance.

Wood, wooden floors. The larger the space behind the panel the wider the frequency range you will get.

Glass, the larger the surface the wider the frequency range that might be obtained. Glass in itself does not have a nice sounding resonance frequency but if you move the EV-75 around soon you will detect the best sounding location. Plate Glass Windows in retail stores offer a very unique location.



Flange with nut



Connector, with locking device



Connector at Transducer



Two component epoxy glue

Use and Attachment

Use EPOXY glue to fix the flange to the surface and location you selected for optimal sound quality. We advise you to use EPOXY glue with a fast drying capacity, 45 – 60 minutes. Often these glues reach maximum strength after 24 hours of drying. For that purpose the flange has 3 holes to allow enforcing the fixation with screws. Fixation to MDF panels always requires additional fixation with screws for it is easy to break out to top layer of the MDF panel itself if only fixed with glue.



An M6 T-nut can be used to mount the EV75 to wooden surfaces

WARNING

Make 100% certain the surface, front and rear side, has no objects that cause unwanted rattling sounds as the EV75 will induce vibrations into the surface.

Please note that SoundScape is not responsible for the material/object you use to mount the EV75, so ensure that the transducer is properly fixed and that the material can withstand the vibrations induced by the transducer.

Once the EV75 is fixed to its location it will start moving the surface it is connected to. You will find the radiation of sounds is much wider than with regular loudspeakers. The efficiency compared to a regular loudspeaker however is generally less because the EV75 loudspeaker motor is driving a larger surface/mass than the light weight cone of a regular loudspeaker. The wide spread of the sound waves on the other hand compensates some this effects.