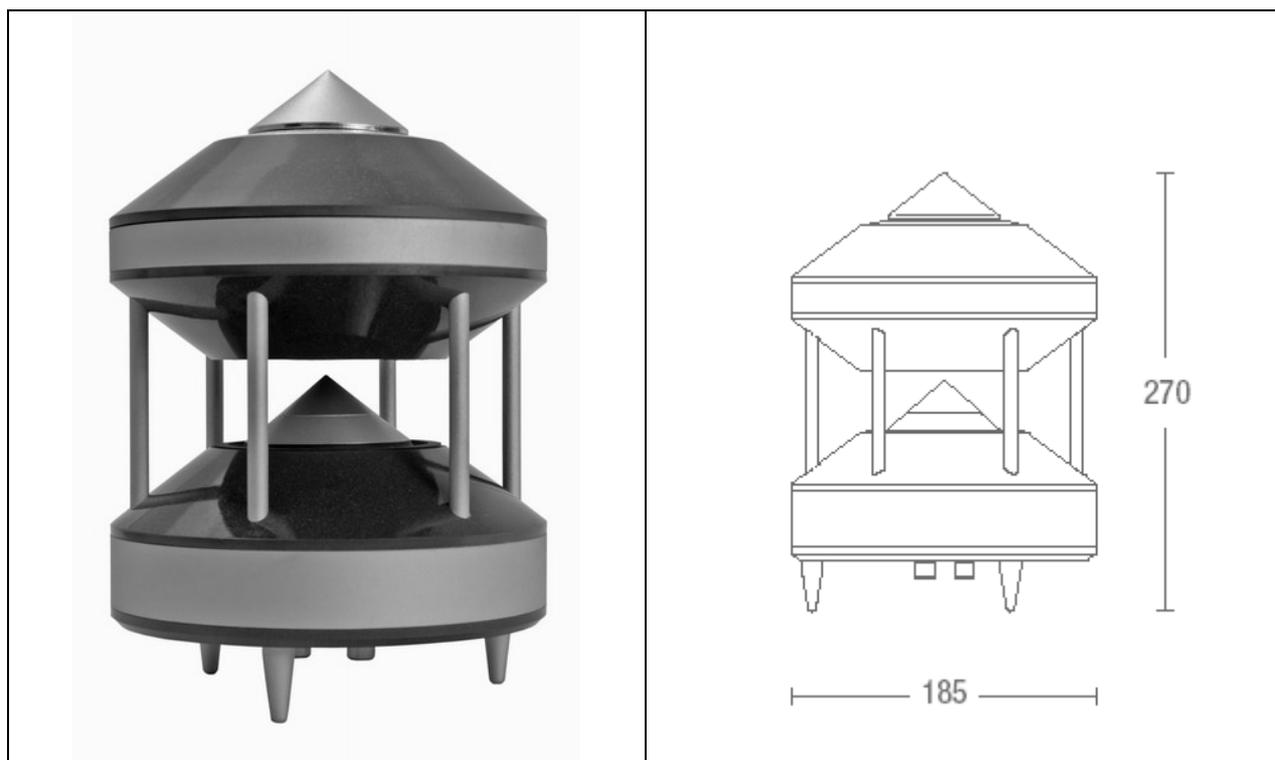


NewTec PRO 100



NewTec Pro 100 offers superb 360° sound characteristics. The speaker processes even high signal points of brief duration without distortion, providing breathtaking dynamics. Various accessories allow flexible positioning and mounting: the Pro 100 is available as a tabletop model (see image) or can be wall or ceiling mounted. During use with an active 'high pass' frequency amplitude (120 Hz – 18 dB/oct.), the Pro 100 can support a load of up to 120 watts and reach high volumes without the sound quality being affected or being bothersome for the listener.

Supply volume (see attached sheet)

Accessories available

- Pro 100 wall mounting support
- stainless steel suspension set (20/40/60 cm)

Preparation of place of installation

Choose a piece of high quality audio equipment from our wide range. After checking the technical compatibility and developing a sound diffusion plan, the laying of the cables must take the later addition of the Pro 100 into account (there must be sufficient cable length to connect the loudspeaker). Speaker cables with a diameter of at least 1.5 mm² connect the central amplification unit to the intended positions (wall or ceiling). If the audio system is to be expanded (for example using multiple channel technology), an empty pipe must be included during the construction phase. To guarantee maximum sound quality, cable the loudspeakers in accordance with their position. If using multiple systems for stereo sound, the channels must be arranged alternately or diagonally, to provide the listener with a stereo-acoustic sound. Depending on the model, the signal and power cables (the latter only for active systems) must also be laid to the position of the subwoofer.

• Final mounting:

As a tabletop version, the Pro 100 has been designed for mobile use and can be positioned on its support points on a shelf or other piece of furniture. Ensure connection to the correct poles during connection of the loudspeaker. The mark normally used on the amplifiers to identify the positive clamp is the + sign or the colour red. When connecting the cables, ensure these are connected to the red clamp of the loudspeaker, otherwise a clearly inferior sound will result.

The cable attachments can be used as clamps (fig. 1) or for the connection of cable connectors (fig. 2), in the case of ceiling mounting.

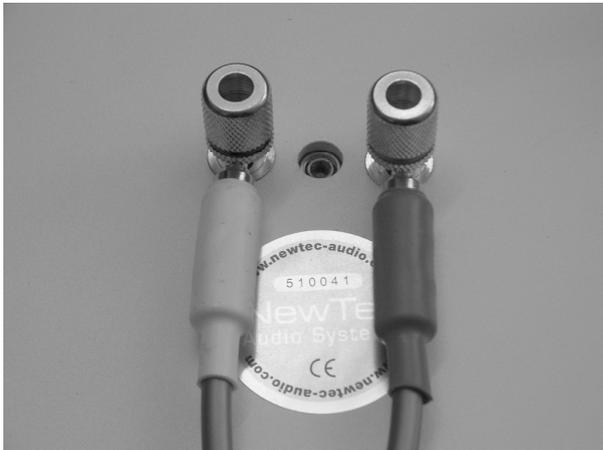


Fig. 1) use as tabletop model



Fig. 2) for suspension mounting Pro 100

Technical data specifications

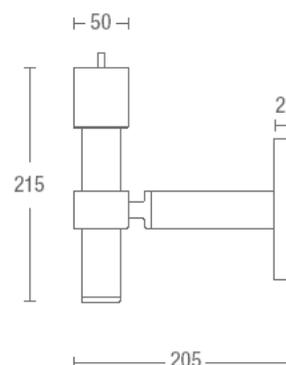
Name	Pro 100
Type	Two way satellite loud speaker for powerful HiFi sound
Principle	Broadband 2 way unit with active radial sound over the entire frequency spectrum
Overall dimensions W x L x H (in sight)	Ø 185 mm x 270 mm
Weight	4.5 kg
Enclosure design	Self-supporting
Enclosure material	Corian / Aluminium, wet-on-wet process
Colors	Silver, white, anthracite – All RAL colors on request
Equipment	1 NewTec M13 – 8633 by Scanspeak 1 dome tweeter D2010 by Scanspeak
Treble adjustment	L-pad control infinitely variable on top side
Impedance	8 Ω
Magnetic shielding	Not provided
Rated / Power capacity	100 W RMS / 180 W
Membrane material	Aluminium / soft dome
Max. NewTec membrane hub	5 mm
Sensitivity (1 W, 1 m)	83.5 dB (+6 dB / 360°)
Maximum SPL with high-pass filter	107 dB (active high pass 120 Hz / 18 dB - octave)
Crossover frequency	5800 Hz (6dB - oct. Butterworth)
Frequency response	125 - 20 000 Hz (+/-3 dB)
Connectors	Screw terminals (0 - 10 mm²) brass 24K gold plated, red / black marking
Installation options	Floor standing, wall mounted, tabletop or pending loud speaker
Accessories	NewTec: Floor stand, wall bracket, ceiling mount assembly

PRO LINE ACCESSORIES

Support for wall mounting Pro 100 - Pro 200

The necessary accessories are available for the wall mounting of the Pro 100.

With its noble design, and produced using high-quality materials, the Pro wall support is the perfect partner for mounting the Pro 100. Mounting can be carried out with the Pro 100 pointing upwards or downwards, as desired. After removing the screw sealing the M6 threading between the sockets, the system is put in position and screwed on to the support. Connection occurs automatically during this procedure. As in a connector, the wall support has two banana plugs which connect the Pro 100. The system is fixed into place by screwing on the threaded tie rod using an opposed component on the other side of the support.

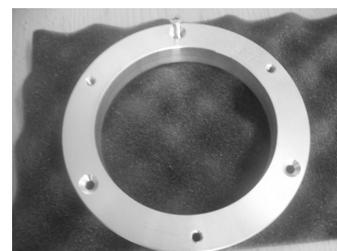


If the Pro 100 is to be mounted using the respective wall mounted support, the seal of the mounting anchor between the sockets must be removed. This consists of an M6 hexagon hollow head screw, which is removed using a **3 mm Allen key**. Observing the correct direction of rotation, loosen the seal with a firm movement and remove it carefully. The wall mounting support is supplied with the mounting accessories.

Now remove the support points. These are screwed into the threadings using threaded pins and can be removed by turning them anti-clockwise. If a threaded pin remains in the threading after the first attempt to unscrew it, remove it carefully using flat pliers.

Use the **mounting ring as a guide** and make the respective holes for the plugs directly on the cable exit. Use the supplied pins for this purpose. If they are not suitable for the type of wall, contact a specialist shop and use the correct product. Screw the mounting ring of the wall mounting support on firmly.

The **loudspeaker cables** must now be **connected** to the



wall mounting support using the attached clamp, connecting to the correct poles. As soon as the wall mounting support is connected to the signal cable, it can be screwed on to the mounting ring. Three stainless steel **hexagon hollow head screws connect the wall mounting support to the wall mounting ring.**

The loudspeaker is now inserted into the wall mounting support and **firmly screwed on using a full-length threaded tie rod.** The loudspeaker is connected automatically via a connector (connect to the correct poles). An opposed stainless steel component anchors the system to the opposite part of the support arm. Insert the threaded tie rod into the M6 central threading and screw the system on firmly.

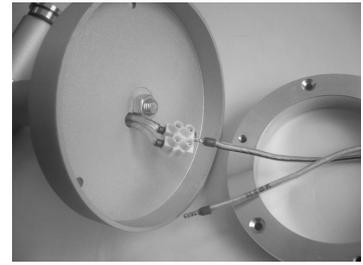


Normal



Upside down

The wall mounting support can also be mounted upside down.



Set for ceiling mounting Pro 100 – Pro 200 – Pro 400

For the ceiling mounting of the Pro 100 / Pro 200 / Pro 400 we offer a suspension set in stainless steel in three different lengths: 20 cm / 40 cm / 60 cm.

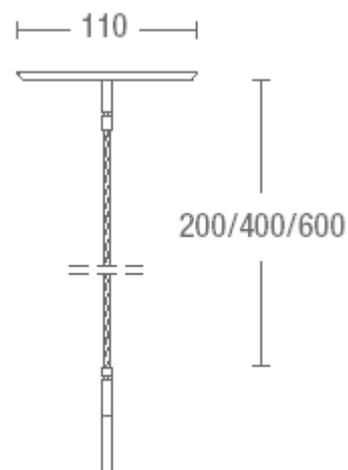
The stainless steel ceiling mounting set consists of a fixing plate in stainless steel, a large, robust, standard cable in stainless steel and a firmly connected M6 threading for the fixing of the loudspeaker (fig. 1). The loudspeaker cable is fixed to the stainless steel cable using the clamps supplied and connected to the loudspeaker.

Pro 100 – Pro 200 suspension set



Fig. 1

Pro 100 – Pro 200 suspension set



If you wish to mount the Pro 100 using the respective Pro suspension set, the loudspeaker must be prepared as follows: **First remove the support points.** These are screwed into the threadings using threaded pins and can be removed by turning them anti-clockwise. If a threaded pin remains in the threading after the first attempt to unscrew it, remove it carefully using flat pliers.



Then remove the seal from the anchorage between the sockets. This consists of an M6 hexagon hollow head screw, which is removed using a **3 mm Allen key**. Observing the correct direction of rotation, loosen the seal with a firm movement and remove it carefully. The wall mounting support is supplied with the mounting accessories.

Pass the stainless steel cable from behind through the hole in the mounting ring.

Use the **mounting ring as a guide** and make the respective holes for the plugs directly on the cable exit. Use the supplied pins for this purpose. If they are not suitable for the type of wall, contact a specialist shop and use the correct product. Screw the mounting ring of the wall mounting support on firmly.

Now screw the **supplied screw approximately 2 cm on to the threading** at the end of the steel cable. This screw protects the threading from over-tightening and serves for the next fixing, so that the Pro 100 does not become unscrewed from the threading over time.

Now screw the steel cable terminal completely on to the M6 pentagonal screw.



WARNING: Ensure the hexagon hollow head screw has been removed first.

Now **connect the loudspeaker cable**, connecting to the correct poles.

The loudspeaker cables can be connected to the steel cable using cable ties.

The mounting of the Pro 200 – Pro 400 is carried out in the same way.

