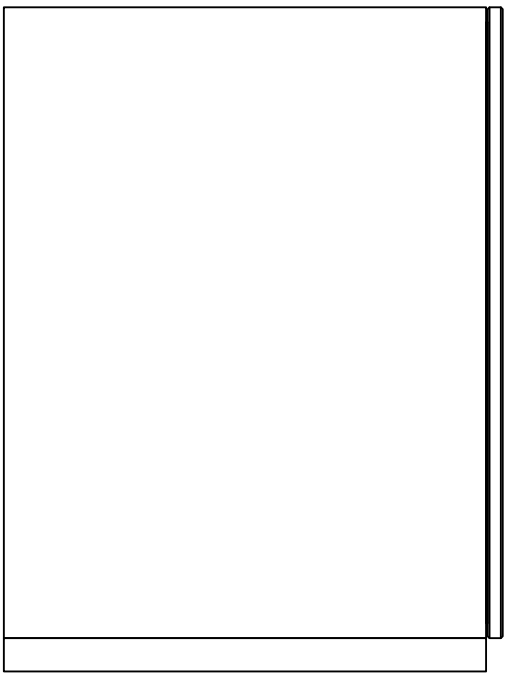
the true path to natural sound

User manual

Qubic 10



User instructions for Qln loudspeakers

Thank you and congratulations for choosing the Qln Qubic 10 loudspeaker! We at Qln hope you will get a lot of enjoyment from listening to music and that you will get very rewarding listening sessions for many years to come.

The Qln Qubic 10

The goal of the Qln Qubic 10 was to create a speaker with a combination of visual timeless design and the ability to make you just listen to music and not to the technical solutions involved.

Where others show off their technical solutions, we try to hide them and just present a piece of musical furniture that can be nicely placed in your living room. All the technical solutions are present, but the only role for them is to recreate the recorded music from your source. We must not forget, that the purpose of a speaker is to recall an original sound event, making it live again and providing the same emotions we feel when listening to a big orchestra, a string quartet, a rock band, a jazz trio or just a vocal with a piano.

This is why Qln thinks of speakers as musical instruments. We know that good sound depends on the acoustic chamber - just like in a string instrument. But opposite to music instruments we don’t create sound, we just reproduce it.

Qln has always searched for cabinet shapes and proportions that will guarantee exceptional control of internal resonance, perfect acoustics, excellent driver stability, phase response and easy integration in rooms.

As always, here at Qln the total functional design is the result of the demands for the resulting sound.

TECHNOLOGY

Qubic 10 is designed using all the know-how we at Qln have acquired from producing highly prestigious speakers since 1979, combined with cutting edge measurements and long critical listening sessions. The speakers are assembled
in Gothenburg, Sweden , the cabinets are made by skilled artisans with careful selection of the materials used and with strict checks carried out

during the work in progress. This is a guarantee for speaker excellence and inalterability over time.

All the components are carefully selected, the drivers are made by Scan-Speak to our specifications, crossover components and terminal post are from Germany and are made with great care using high quality components and maximum attention to the signal route.

1. Unpacking and maintenance

Your speaker should be treated with the same care as you would treat a piece
of furniture. Use a piece of soft cloth and a small quantity of warm soapy water to clean the loudspeakers. Avoid touching the cone of the bass unit or the treble dome since this may leave a mark or damage the dome and spoil its performance. After unpacking, we suggest you retain all packing material for future transports.

2. Break-in

As with all high-quality loudspeaker systems, the musical performance of your QIn loudspeakers will improve over an initial break-in period. Please allow your new speakers to play a minimum 50 hours of music at normal listening levels before doing any critical listening. Up to 200-300 hours break-in will be needed for the speaker to reach it’s fully potential of great sound.

3. Stability

Use a stable speaker stand, if possible apply damping material if the stand allows. Damping the stands is normally a substantial improvement of the sound. Stands are often delivered with four spikes for acoustical isolation and height adjustment. To obtain proper mechanical coupling to the floor, adjust until all four spikes have equal contact. In some cases, if you have a very soft or weak floor, it can be better to de-couple the speaker from the floor by soft damping pads between the speaker and the stand.

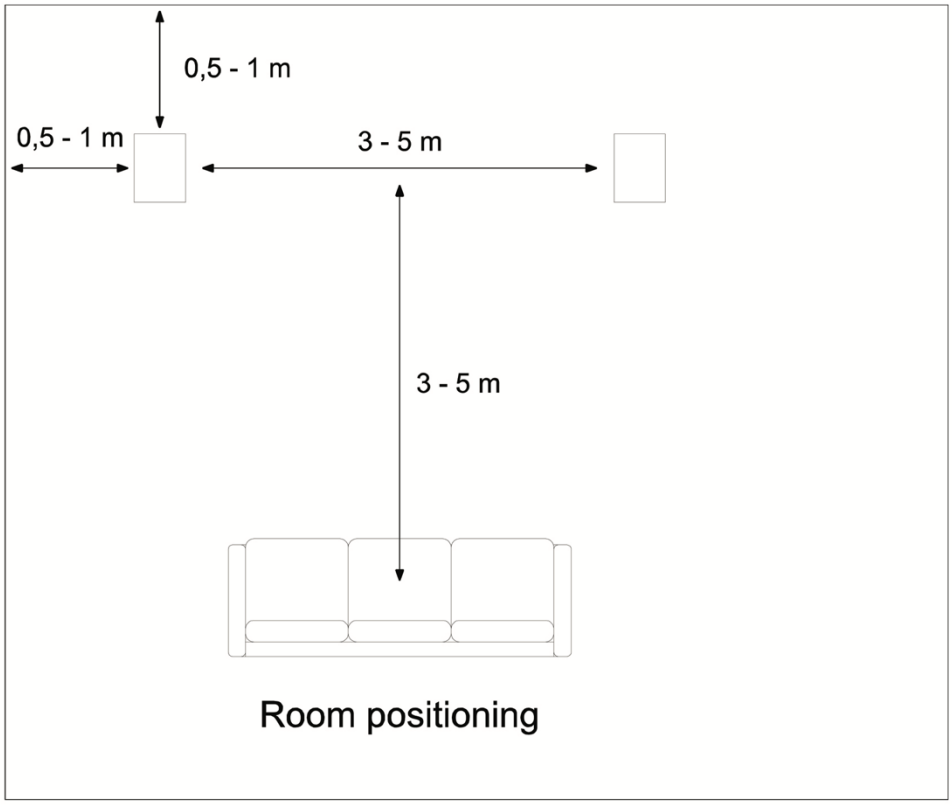
4. Room positioning

The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers is 3-4 m apart and preferably at least 0.5-1m away from side and rear walls. Avoid distances from walls that correspond to 1/2, 1/4, 1/6 etc., of the room dimensions. Seek instead odd fractions; 1/3, 1/5, 1/7 etc. to minimize effects of room related resonances.

The longer distance from the back wall, the deeper stereo image you will get. You can also place some damping or diffusing material on the back wall behind the speaker, which can help you to get a deeper stereo image.
It's important that the distance from the listener to each speaker is equal. Differences as small as 1 cm can make difference. Use a small rope or laser meter to set the distance as equal as possible.

Choose a stand height so that you barely notice the top area of the speaker when sitting. Then the treble unit will be at the same height as your ears. You will perceive the most accurate sound stage if you listen from a position halfway between the loudspeakers and three to four meters away.

Avoid corner placement as it leads to coloration and often will over emphasize the lower frequencies. Image stability and stereo perception is increased if the two speakers are turned slightly towards the listening position. Start where you just can see around two cm of the inside wall of the speaker. Close to this is normally the best. More toe in will make the stereo image and center voices narrower. The other way the voices will be wider. Find a position where you get a wide and even stereo perspective from left to right. Then try for best stereo image and center focus. Objects in the direct sound path can disturb the coherence of the sound picture. Try out different positions before deciding on a final arrangement.



Room positioning

For serious listening remove the front grill.
We recommend a listening room from 15-50m2, but the speaker can also preform excellent in even larger rooms. Happy listening!

5. Connections

We recommend the use of heavy gauge loudspeaker cables of high quality. Make sure to turn off all amplifiers before connecting your new speaker to your Hi-Fi system.
Connect the cable to the terminal. Use the marking of the cable to ensure that the red or ”+” mark of the amplifier is connected to the ”+” side of the terminal, also marked with red. Often there also is a direction mark on the speaker cable. It can fx. be an arrow or a text pointing in direction to the speaker.

6. Power handling

Qln recommend using amplifiers within a specific power range, see under specifications. However, more important is that the amplifier has sufficient power reserves for handling of the peaks and transients in the music signal.
The power-rating figure of a loudspeaker is a very imprecise figure. Since the energy in the music signal varies, neither peak nor average value is relevant. Power rating of fx. 100W RMS only says that you can play a continuous tone of 1kHz

at this output. It doesn't mean that you can turn the volume all the way up on a 100W amplifier and expect a clear sound and healthy speakers. The greatest danger to a loudspeaker is a distorted signal. Distortion in the low frequency range produces overtones in the entire spectrum, with an energy that can easily damage the tweeter units. And since a more powerful amplifier can play louder without distortion, we have the paradox that it is a greater risk to damage speakers by playing loud with a smaller amplifier.

Caution!

If you hear distortion when you increase the volume this is normally a sign of overloading the amplifier and you should immediately reduce the output level. Use of loudness, bass or treble boost increases the risk for harmful distortion in the amplifier. We recommend that you use such controls with care or by-pass them if possible.

7. Service

Should your Qln loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your Qln loudspeaker system is capable, consult the Qln dealer where the system was purchased. Your dealer has the knowledge required to provide expert advice and assistance. In case the Qln dealer is unable to assist you, you are welcome to contact us at Qln direct by email. info@qln.se. You also find contact info at our homepage, www.qln.se. Regrettably we can't give direct telephone support to end users.

8. Warranty

This Qln loudspeaker is warranted to the original purchaser against factory defects in material or workmanship for a period of one (5) years from the date of original purchase. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable.

Qln loudspeakers are music listening devices and should be used for listening purposes only. They must not be connected to any other equipment than amplifiers within the specified power range.

Qln cannot be held responsible for damage or injuries caused by improper use or use in violation with the recommendations in this leaflet.

Specifications

Impedance: 8 ohms
Amplifier requirements: 25-250 Watt RMS Sensitivity: 88 dB SPL 1 Watt/1m
Low frequency performance: -3dB 52Hz
Cabinet: Simplified 22mm Qboard® Terminal: WBT Single wire
Dimensions (HxWxD): 358x210x260 mm
Weight: 12,0 kg each
Finish: Walnut high gloss, Walnut matt, White Satin