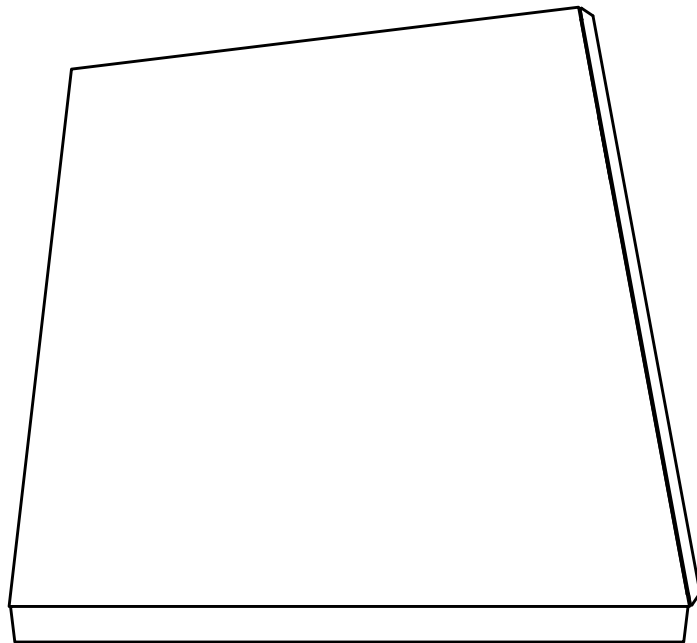


Qm

the true path to natural sound

User manual

One v7



User instructions for QIn loudspeakers

Thank you and congratulations for choosing the QIn One loudspeaker! We at QIn 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 QIn One

The One marked the beginning of QIn's truncated pyramid design, debuting in 1981 at CES as the first speaker of its kind in the world. The shape is an original QIn design combining aesthetic expression with functionality. The QIn One has been the little brother of the Signature since the Signature was introduced in 1989.

When we updated the Signature in 2022, preparations began for the 7th generation of the QIn One speaker. We are proud to introduce this new speaker as a testament to QIn's commitment to advanced design and excellence in sound reproduction.

We don't draw attention to our technical acumen but rather a piece of furniture that can elegantly find its place in your living room. All the technical parameters for quality sound reproduction are present in our designs to recreate recorded music from your source. We must not forget that the purpose of a speaker is to recall an original sound event. Our goal is to provide the same emotion you feel when listening to a big orchestra, a string quartet, a rock band, a jazz trio, or vocalist performance. It is this pursuit along with music's subtleties and nuances that we strive to capture.

The design goal for the new QIn One was not to make a small speaker sound impressive in large rooms but to make a mini monitor that works in a smaller room with the QIn quality standard.

So, if you are looking for the highest level of performance from a speaker in a small or difficult room, the QIn One is that speaker.

As always, here at QIn the total functional design is the result of the demands for the resulting sound. Shape and function makes the QIn Signature speaker!

TECHNOLOGY

QIn one is designed using all the know-how we at QIn 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 in Sweden 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 200-400 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 feets or 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.

We recommend that you use the dedicated Signature stand. It's made special to the Signature and have the possibility to mount speaker and the stand together for maximum stability.

4. Room positioning

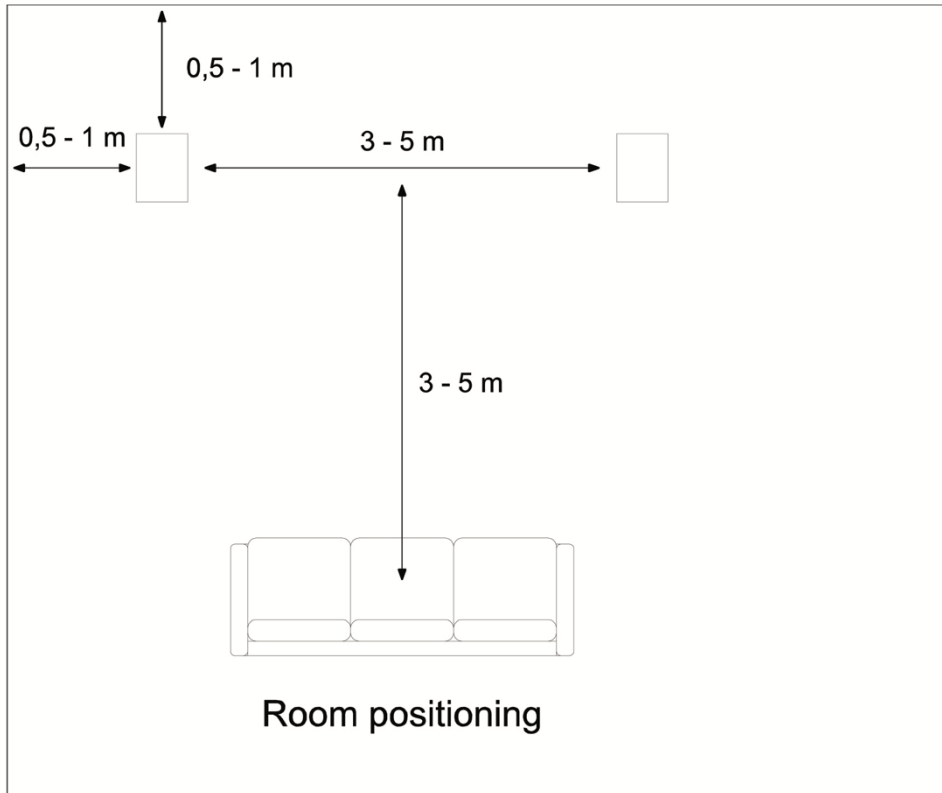
The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers is 3-4 m apart and preferably at least 0.5-1m away from side and rear walls.

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. Try to 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.



And for serious listening - remove the front grill.

We recommend a listening room from 12-30m², but the speaker can also perform 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 be an arrow or a text pointing in direction to the speaker.

6. Power handling

QIn 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. A 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 QIn loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your QIn loudspeaker system is capable, consult the QIn dealer where the system was purchased. Your dealer has the knowledge required to provide expert advice and assistance. In case the QIn dealer is unable to assist you, you are welcome to contact us at QIn 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 QIn loudspeaker is warranted to the original purchaser against factory defects in material or workmanship for a period of 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. QIn 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.

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

Specifications

- 2-way full range speaker
- Qboard® QIn unique multilayer damping cabinet technology
- Soft dome 25mm wide surround tweeter, AirCirc magnet
- 149mm mid-woofer, under-hung neodymium magnet system cone woofer
- High-end brand crossover components from leading manufactures
- QIn SP-One pure copper solid wire acoustic shielded cable
- Sensitivity: 86 dB SPL 2,83V 1m, 100-10kHz
- Low frequency performance: -3dB 45Hz
- Impedance: 4 ohms
- Amplifier requirements: 50-250 Watt RMS
- Terminal: WBT Single wire
- Dimensions (HxWxD): 370x220x410mm
- Weight: 15,0 kg each
- Finish: Walnut Matte, Walnut Burl Piano