

Wallis Cinemas Introduce the Quake Audio System



In 2018 Krix Loudspeakers and Trinnov Audio collaborated on the world's first 24.10.10 never to be repeated Atmos home cinema system in the Melbourne Hi-Fi Show. Visitors were blown away. Half-hour sessions for the whole show were filled to beyond capacity.

Wallis is an old and highly respected brand in South Australia. In 2019 Krix and Wallis Cinemas in Adelaide South Australia was discussing an audio upgrade rollout for its cinema chain. Wallis visited the 24.10.10 show and was visibly impressed. Krix was asked to bring a new level of excitement to 7.1 audio for their chain, matching the level of excitement that the audience got at the HiFi show, with an eye on cost.

Another part of the brief was related to an industry-wide complaint that vocals were often lost if cinema levels were played at less than fader 7, because the cinema-going audience generally objects to that volume. We knew that we could ameliorate this problem with the help of some of the sophisticated filter software and phase corrections in the Ovation processor.

Being known to think out of the square and size is everything (as long as you have finesse) and the mad scientists at Krix were left to design a new system. Being partnered with Trinnov opened a whole new world of possibilities. The concept was to reproduce 16 Hz to 18kHz.

This was to be holistic design using the resources of Krix Loudspeaker Engineering and manufacturing prowess, the Trinnov processor's awesome capabilities and the client's enthusiasm to improve the acoustics and other visual improvements to enhance the image and so on.

The answer was Quake, the system includes 10 Krix Custom Subwoofers with specially tuned cabinets to extend the low end. 6 were paired with the side, and the back wall surrounds with a 15 degree angled front baffle to cosmetically match with the existing surrounds. The other four are for behind the screen. The screen channels are Krix 4 ways.

Aside from the obvious sub-bass capability, the precise time alignment of all

elements of the loudspeaker system, the Trinnov Ovation Audio processor delivers clarity and demonstrates an immersive experience from a 7.1 mix.

“We used the Ovation 16i24o and used all channels to deliver exactly the above. Once the system had been measured, and the optimizer did its job, we were able to sit in the auditorium and “play.” The result was magic; we were able to use the processor to its capacity to adjust practically everything.

Patrons can now enjoy the film as the director intended. Blockbusters have more impact, and again the dialogue is more intelligible, and the special effects are clearer and immersive. The whole project was well within budget, and it has created interest in the community with patrons requesting to see the film in that auditorium. Ultimately, this means that there will be a favorable return on investment. The experience is accompanied by a custom Quake trailer, branding and highlighting the experience.

“Our new cinema concept “Quake”, featuring a range of Krix speakers and Trinnov processing, has been an incredibly successful project. We are extremely pleased with the result and have noticed increased patronage after release to the public. As a matter of fact, we have patrons asking for it”

“We’re very pleased with the support from Krix and Trinnov, with both the installation and ongoing support and training. We feel that we have a lifetime partnership with both these companies and with the success that Quake has seen, we are now expanding to several more locations”

Glyn Berry. Manager / Wallis Mitcham Cinemas

“To sum up in a few words, this is all about the experience and excitement that cinema can bring for the patron”

Scott Krix, Founder Krix Loudspeakers.

“From the first minutes of meeting the Krix brothers at CineEurope 2017, we knew they understood what the Trinnov technology would add to their already excellent speakers. The Quake system was a challenging yet welcome project that will serve as a template for future collaborations.”

Michael Babb, Cinema Technical & Sales Manager, Trinnov Audio