

Overview

SKAA is the *wireless audio standard* for portable devices by Eleven Engineering. SKAA™ enables a myriad of wireless audio accessories for mobile phones, media players, notebooks, netbooks and tablets. With SKAA, the source of audio is always a portable device, but the wirelessly-connected accessory can be virtually ANYTHING—speakers in hundreds of styles and multipoint configurations, all types of headphones, home theater systems, sound bars, subwoofers and car audio systems to name a few. SKAA-compatible products are already selling at retail and dozens of consumer electronics companies are currently developing new products with SKAA.

Market

In 2011 over one billion portable audio source devices will be sold worldwide. These devices are the constant companions of the user. They are personal. It's an unmistakable trend; portable, personal electronics are *in*, and fixed, appliance-type electronics are *out*. SKAA's ever-growing fleet of transmitters gives developers unprecedented access to this massive new market.

Sound Excellence

SKAA delivers very high quality audio by employing a digital communications protocol with powerful error correction to faithfully transport audio from source to destination. SKAA™ is a same-room solution; the transmitter and receivers are located in the same room with the user. Each transmitter can stream audio to up to four receiving devices at the same time. SKAA puts control of the music content where it belongs—right in your hand. MP3 players, iPods, iPads, iPhones and BlackBerry smartphones are meant to be in your hand or in your pocket, not trapped in a dock. With SKAA, these portable devices *stay* portable.

Compatibility

SKAA's cross-brand compatibility is 100%; not 99% or even 99.9%. That means that speakers from brand A will work with transmitters from brand B, perfectly, every time. The SKAA compatibility logo guarantees it.

Robustness

SKAA™ has been designed to provide superior quality of service (link reliability) and coexistence (friendliness to other devices using the radio band). Because it operates in the very-crowded worldwide 2.4 GHz radio frequency band, SKAA employs a patented wireless protocol, Walking Frequency Diversity™ (WFD), to avoid conflicts with other wireless devices. This enables SKAA to deliver audio free of clicks, pops and dropouts. WFD™ avoids collisions with other devices so

effectively that Eleven regularly demonstrates SKAA devices even in RF-saturated environments such as busy trade shows.

Fleet of Transmitters

Consumer electronic products are developed at a frenetic pace. To accelerate the development cycle, Eleven Engineering supplies developers with several models of miniature transmitters complete, fully tested, and already in plastic enclosure ready for use. For example, transmitters for Apple's 30-pin products and transmitters for computer/tablet USB sources are already shipping. Transmitters for 30-pin sources are designed to meet Apple's stringent Made for iPod, Made for iPad and Made for iPhone requirements. All SKAA™ transmitters are designed to comply with worldwide regulatory requirements. Because SKAA developers don't need to design or manufacture transmitters, they can focus on creating great, innovative receive-side products such as speakers and headphones. Eleven Engineering will continue to add new transmitter models over the lifetime of the SKAA standard.

Additional Features

- Low latency ensures audio stays tightly synchronized with video thus enabling users to watch movies and play games on their portable devices (SKAA is not just for music audio!)
- Low power consumption enables all-day use
- Indoor reliable range is 10 to 30 meters depending on the transmitter model
- Each transmitter can serve up to 4 receivers
- No pairing is required—switching between transmitters is done with a single click
- Rapid development of sophisticated products comprised of multiple nodes
- Time to market as short as 6 months from project start
- Powerful operating system enables developers' features to automatically work with a multitude of audio source devices thanks to the SKAA OS data translation service

Summary

SKAA's stellar market access, unequalled ease of use and best-in-class reliability result in great consumer satisfaction and great commercial success for SKAA developers.

Contact Eleven Engineering

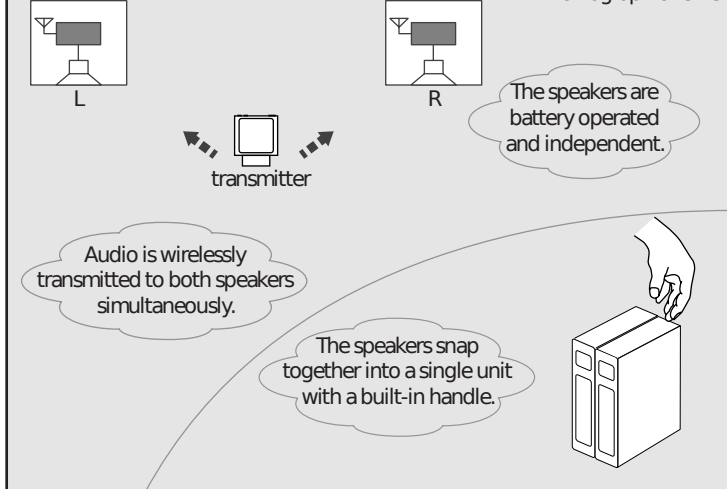
web: www.SKAA.com

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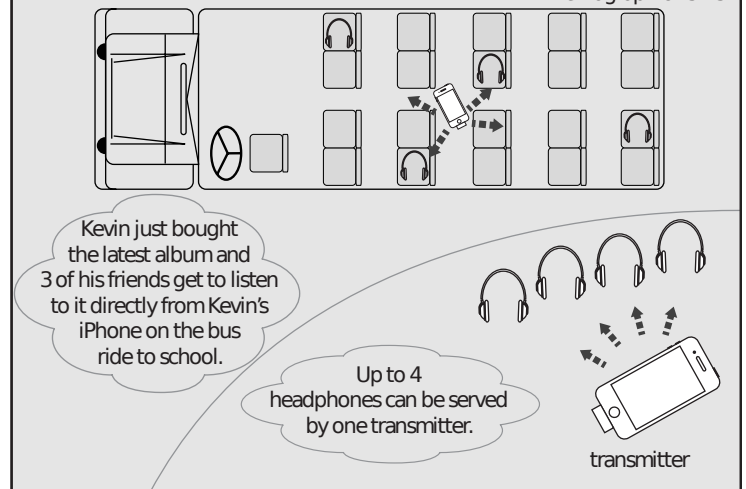
SKAA Core Product: Music on the go (2 bonds)*

Demographic 15-25



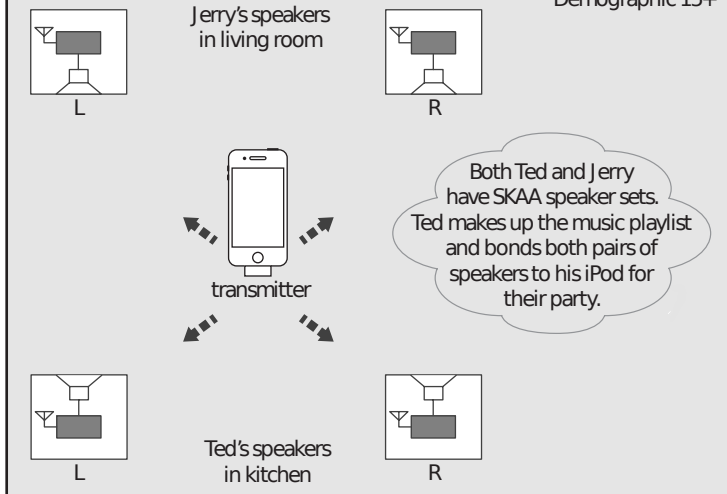
Groovin' on the bus (4 bonds)*

Demographic 15-25



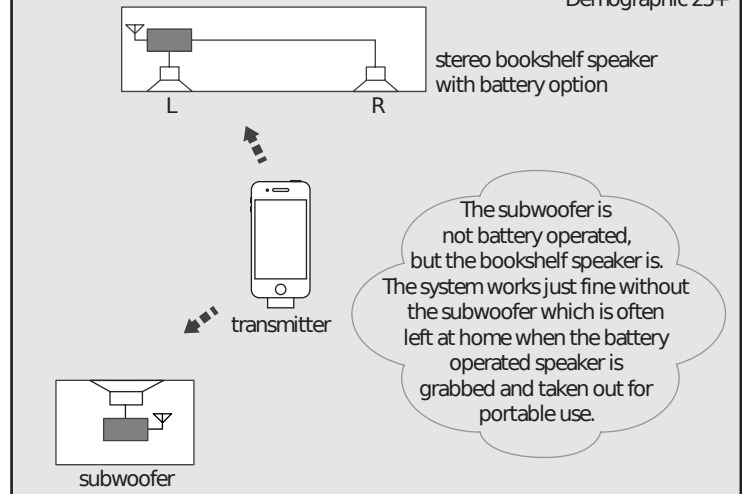
Ted and Jerry's party (4 bonds)*

Demographic 15+



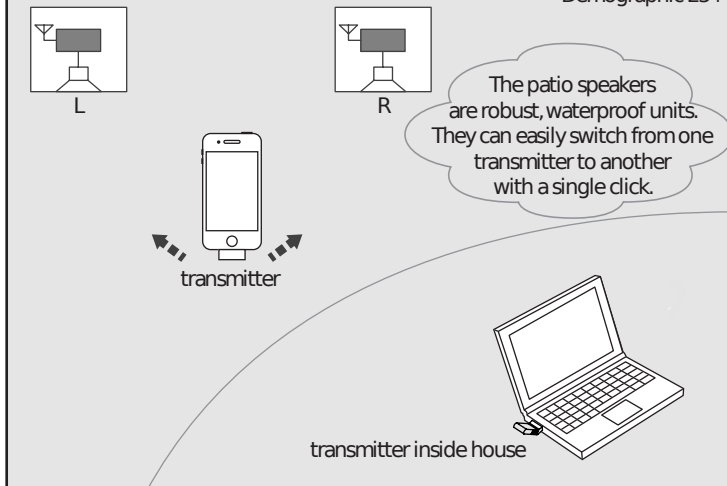
Hanging out at home (2 bonds)*

Demographic 25+



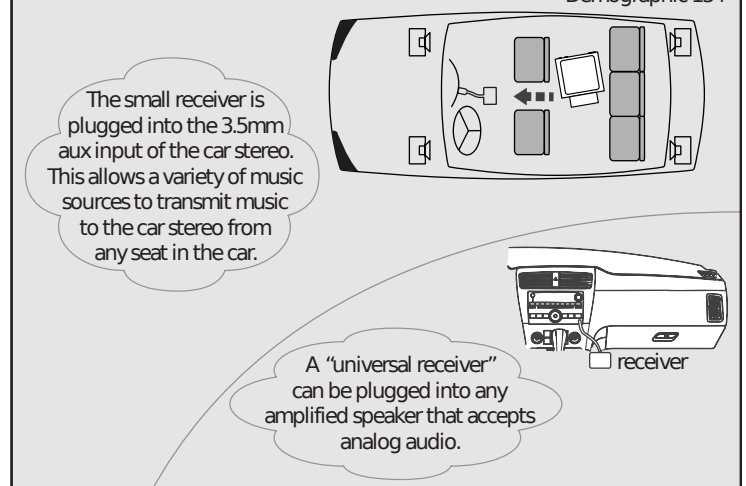
Chillin' on the patio (2 bonds)*

Demographic 25+



Cruisin' (1 bond)

Demographic 15+



* Scenario impossible to implement with Bluetooth.