

PurePath™ Wireless Audio

Perfect Sound. Wireless.
Robust wireless audio
transmission with
uncompressed CD quality.



PurePath™ Wireless. The complete wireless audio solution from TI.

TI's PurePath™ Wireless audio products feature 2.4 GHz, robust and high-quality devices for wireless digital audio streaming. TI's proprietary PurePath technology provides a solid wireless audio link and 16 bit / 44.1/48 KHz uncompressed audio with no unwanted noise or dropouts. It uses a number of RF channels dynamically chosen for lossless audio transmission, resulting in minimal interference with other RF devices in the 2.4 GHz band. With its built-in audio setup and HID interface, no software development is required. Combined with the easy-to-use configuration tool and application reference designs, TI's PurePath wireless audio solution ensures flexibility, cost-efficiency and a fast time-to-market.

CC8520 - PurePath™ Wireless 2.4 GHz RF System-on-Chip.

TI's first device in the family of PurePath™ Wireless audio products is a 2.4 GHz system-on-chip (SoC). The CC8520, which supports 2 audio channels, operates autonomously, and can be used with or without an external MCU or DSP. An external host processor can be connected through SPI and control some aspects of its operation. The CC8520 interfaces easily with other TI audio ICs and DSPs (using I2S and DSP/TDM interfaces) and is compatible with future firmware upgrades.

CC8520 key features and benefits:

Single chip SoC dedicated to wireless audio

No unwanted noise or dropouts
Uncompressed wireless stereo audio

**Includes IC, RF protocol, application designs,
built-in audio IC setup and HID interface**

Complete wireless audio solution
No software development required
Free PurePath Wireless PC Configurator tool

Compatible with future firmware upgrades

Point-to-multipoint streaming and further feature updates

Built-in intelligent audio protocol

Excellent coexistence with *Bluetooth*®,
WLAN or other 2.4 GHz devices

I2S and DSP/TDM interface support

Codecs, ADCs, DACs, class-D amplifiers

Application areas

Consumer Audio

Portable Audio

Professional Audio

Digital Radio

For more information visit www.ti.com/purepathwireless

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