

# DTS Technology for Automotive Entertainment

Delivering the Best In-Car Entertainment Experiences Today and Tomorrow...

## Innovative Audio Technologies...



The bridge between stereo and 5.1 surround



5.1 discrete, 48 kHz/24-bit, up to 1.5 Mbps



Surround like experience from any stereo source



Consistent volume level from different sources



Improved sound quality from compressed audio





DTS Neural Surround™ technology is featured in high-end automotive sound systems. The technology is the chosen format for satellite radio, HD radio and FM radio to broadcast music in high quality surround sound. The DTS Neural Surround Digital Music Mode uses Dynamic Image Control Enhancement (DICE) technology to enhance compressed audio entertainment by reducing audio artifacts and preventing sound image collapse, creating a high quality and stable surround experience from any input or source.

- Surround format for digital and FM radio broadcast
- Enhanced satellite radio broadcast playback
- Clean and immersive surround for digital music playback



DTS Digital Surround™ technology is the solid foundation and core on which our technologies are built. Offering up to 5.1 discrete channels at 48 kHz/24-bit at a constant bit rate of up to 1.5 Mbps, DTS Digital Surround has over twice the audio resolution of other standard definition DVD video formats.

- 48 kHz/24-bit
- Up to 1.5 Mbps
- Over twice the audio resolution of other standard DVD video formats
- Expandable technology



DTS Surround Sensation | Headphone™ technology is the perfect solution for the family's rear seat entertainment while on the go. DTS Surround Sensation provides the ultimate surround-like experience through the use of stereo headphones.

- Surround sound effect with stereo headphones
- Voice clarification technology for dialog
- Bass enhancement technology
- Sound stage expansion technology



DTS Symmetry™ ensures that whether you are listening to Radio, CD, MP3 files or any other source, the audio level remains constant meaning that there is no need to repeatedly adjust the volume setting.

- Ideal perceived volume across all content and programs
- Adjustable loudness level
- Artifact free audio quality



DTS Enhance™ is an advanced technique that removes many of the artifacts that are an inherent consequence of low bit rate audio codecs, such as MP3 and AAC. It restores lost bandwidth, increases audio resolution and delivers improved high frequency extension.

- Natural bandwidth extension
- High frequency loudness equalization
- Low frequency loudness equalization