Delphi HD Radio

Delphi's HD Radio uses an AM/FM tuner to receive and decode digital HD broadcasts, enhancing sound quality, and providing new data services. By taking AM and FM into the digital realm, CD-like sound quality is available on the FM band and sound quality exceeding current FM quality is available on the AM band. Sidebands are added to existing AM and FM transmission so analog service is not affected.

Delphi HD Radio

Benefits

- Digital-quality sound
- No subscription fees
- More entertainment options through multi-casting — two-channel broadcasting from the same station
- Virtually no multipath fading or interference
- Displays artist and song title
- Able to receive data services — real-time traffic, weather, etc.
- Audio store and replay of current station's audio

Features

- Delphi-unique algorithms providing graceful transition from digital to analog sound
- Flash memory for media storage
- Technology completely integrated into the radio
- Text-capable display

1. Stations bundle analog and digital audio signals (with textual data, such as artist and song information, weather and traffic.

2. The digital signal layer is compressed using iBiquity's HDC compression technology.

3. The combined analog and digital signals are transmitted.

4. The most common form of interference, multipath distortion, occurs when part of a signal bounces off an object and arrives at the receiver at a different time than the main signal. HD Radio receivers are designed to sort through the reflected signals and reduce static, hiss, pops and fades.

5. The signal will be compatible with HD Radio receivers and analog radios.