



Photo by ElectroPeak

The VHM-314 Bluetooth Audio Decoder Module is a versatile and compact module designed for high-quality audio decoding and wireless streaming. With support for various audio formats including WAV, APE, FLAC, and MP3, it's ideal for applications where wireless audio playback is required. The module features the AS19AP IC for reliable performance and supports a wide voltage range (3.7-5V). Its impressive signal-to-noise ratio (SNR), low total harmonic distortion (THD+N), and other audio parameters ensure excellent sound quality. The module is Bluetooth 4.0, 4.1, 4.2, and 5.0 compatible, offering stereo output and support for LiPo batteries.

Specifications of VHM-314 Bluetooth Audio Decoder Module - Supports WAV, APE, FLAC, MP3:

- Model: VHM-314 Bluetooth Audio Decoder Module
- IC: AS19AP (AS19AP28150)
- Power Supply: 3.7V - 5V
- Signal-to-Noise Ratio (SNR): 90dB
- Total Harmonic Distortion + Noise (THD+N): -70dB
- Crosstalk: -86dB
- Dynamic Range (DNR): 91dB
- Bluetooth Version Support: 4.0, 4.1, 4.2, 5.0
- Bluetooth Profiles Supported: A2DP, AVCTP, AVDTP, AVRCP, HFP
- Line of Sight Range (LOS): >15 meters
- Audio Output: Stereo
- Battery Support: LiPo
- Dimensions: 3mm x 3mm
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Features of VHM-314 Bluetooth Audio Decoder Module - Supports WAV, APE, FLAC, MP3:

- Versatile Audio Support: The module can decode various audio formats, including WAV, APE, FLAC, and MP3, offering flexibility for different audio sources.

- **High-Quality Audio:** With a high SNR, low THD+N, and impressive DNR, this module ensures excellent audio quality for your projects.
- **Bluetooth Compatibility:** Compatible with Bluetooth 4.0, 4.1, 4.2, and 5.0, providing compatibility with a wide range of devices.
- **Stereo Output:** Enjoy stereo sound output for an immersive listening experience.
- **LiPo Battery Support:** The module can work with LiPo batteries, making it suitable for portable applications.
- **Usage Tip:**
- Carefully review the module's datasheet and user manual to understand its pinout and configuration options for your specific project.
- **Caution:**
- Ensure that the power supply voltage is within the specified range (3.7V - 5V) to prevent damage to the module.