

5.8 GHz Digital Wireless Headphones



[audiophile edition]

Main features:

- Digital audio transmission at full CD quality
- Extended headphone frequency response
- Digital audio interfaces
- Noise shaping filter
- Immune to interference at 2.4 GHz

The Model 2500 Digital Wireless Headphones from Amphony combine the best of headphone technology with the best of wireless audio transmission technology. As a result, this model achieves audiophile sound reproduction and eliminates any noise or audio distortion by using digital audio transmission.

The Model 2500 offers an extended audio frequency response and excels at reproducing every subtle nuance of your favorite songs.

The transmitter provides fully digital audio interfaces in order to eliminate any unnecessary digital-to-analog or analog-to-digital conversion and achieves unsurpassed signal-to-noise ratio.



The audio data is transmitted to the headphones without applying any audio compression or sample rate conversion.

Transmission at 5.8 GHz eliminates interference from other wireless devices at 2.4 GHz.

The Model 2500 features velours ear cushions to maximize comfort as well as battery charging bays to keep your headphones working at any time.

Model 2500

Welcome to the World of Wireless Digital Audio

If you want pure listening pleasure in CD quality with the freedom of wireless headphones but without the noise, distortions and low dynamics of 900 MHz analog headphones, then take a look at the next generation of 5.8 GHz Digital Wireless Headphones from Amphony.



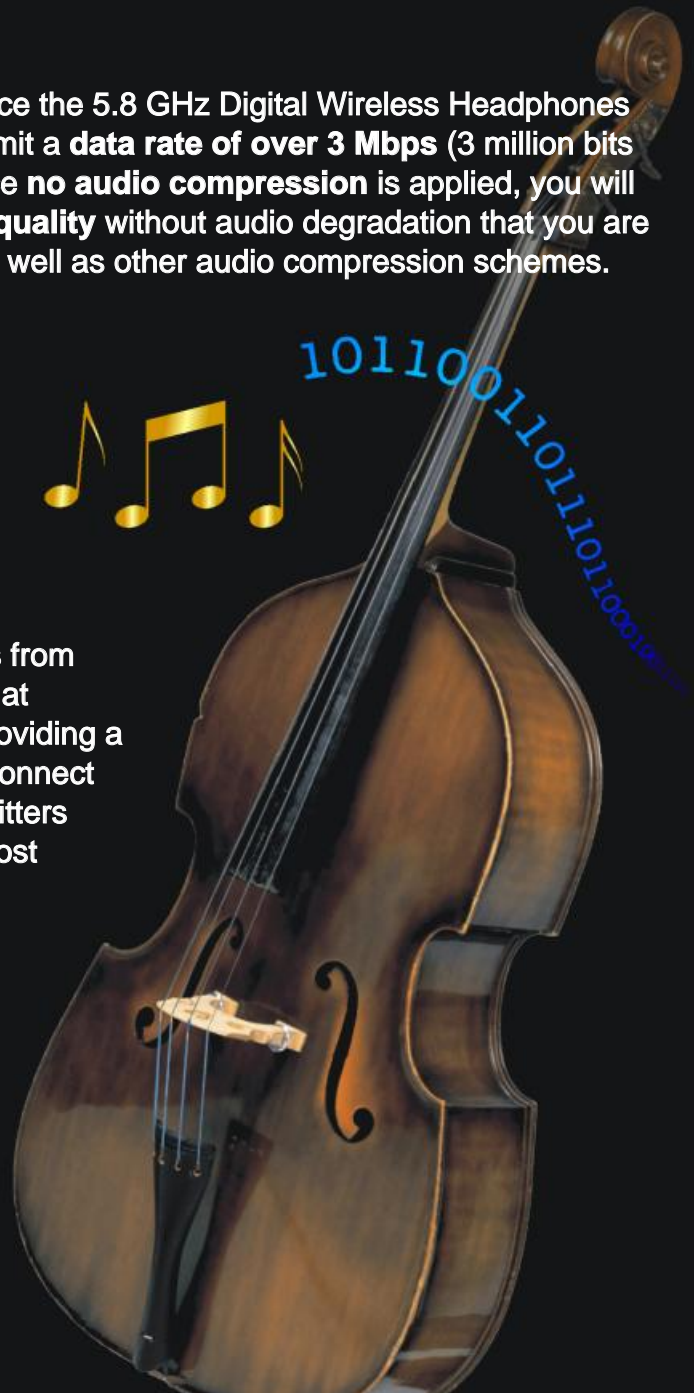
By transmitting the audio in a digital format, the 5.8 GHz Digital Wireless Headphones from Amphony allow you to listen to your favorite songs with the same audio quality that you are used to from your corded headphones, except that you can now move around with absolute freedom.

Most importantly, since the 5.8 GHz Digital Wireless Headphones from Amphony transmit a **data rate of over 3 Mbps** (3 million bits per second) and since **no audio compression** is applied, you will experience **true CD quality** without audio degradation that you are used to from MP3 as well as other audio compression schemes.

Further, an **error correction mechanism** is employed which is capable of correcting transmission errors to guarantee superior error-free reception even under difficult conditions.

The 5.8 GHz Digital Wireless Headphones from Amphony are fully immune to interference at 2.4 GHz and are ready for the future by providing a **high-speed data port** that allows you to connect peripherals such as RangeBooster transmitters which can extend the operating range almost indefinitely.

By having an ergonomic design which almost makes you forget that you are wearing headphones and with a continuous **operating time of up to 100 hours**, you are guaranteed to have a lasting and pleasant listening experience.



5.8 GHz DIGITAL Wireless Headphones, Model 2500

Technical specifications

Transmitter:

Audio transmission method: Digital (Audio is transmitted as PCM sample data)

Transmitter frequency: 5.8 GHz

Signal-to-Noise ratio (A-weighted): typ. 100 dB ²⁾

Dynamic range: typ. 100 dB ²⁾

Channel separation: typ. 100 dB ²⁾

Harmonic distortion: typ. -90 dB ²⁾

Error correction: 1/2 rate FEC

Audio sampling method: 64 times oversampling

Transmitted data rate: > 3 Mbps

Data available at high-speed data port for RangeBooster transmitter modules

Transmitter operating range: max. 200 ft. line of sight,
max. 40 ft. through walls and ceilings ¹⁾



Headphones:

Type: dynamic, closed

Operating time: max. 100 hours with two AA batteries

Frequency response: 10 Hz ... 23 kHz

Maximum sound pressure level (MSPL): 120 dB

Ergonomic design for maximum comfort



Main features



Digital audio transmission at full CD quality



No audio compression



Noise shaping filter for maximum signal-to-noise ratio



Up to 100 hours of continuous operation



Unlimited range with RangeBooster transmitters

Notes: 1) Transmitter operating range can be extended with optional RangeBooster transmitters

2) Specifications are with use of electrical or optical digital audio interface

For more information, visit the Amphony web site at:
<http://www.amphony.com>

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