

## TrueMusic™ 5.1: Wireless Hi-Fi Stereo Audio System



**Transmitter Dimensions:** 2.4" W x 1.6" H x 1.0" D

**Receiver Dimensions:** 5.5" W x 3.3" H x 1.0" D

**Transmitter Weight:** 1 oz.

**Receiver Weight:** 5 oz.

**Audio Input:** 1.0 Vpp @ 100K Ohms

**Audio Output:** 1.0 Vpp @ 100 Ohms

**Transmission Range:** 300 ft.

**Frequency Range:** 2.4- 2.43 GHz

**Frequency Response:** 20 Hz- 24 KHz

The TrueMusic™ 5.1 Digital system is a powerful wireless digital audio transmission system capable of transmitting Dolby Digital 5.1 DTS and Digital PCM data. It has applications for wireless home theater and multi-room digital audio distribution. TrueMusic™ 5.1 ensures simplicity, reliability and easy installation instructions. It is capable of producing audio frequency response up to 24 KHz, with less than 0.5 dB error across the band.

Pragmatic's TrueMusic™ supports digital PCM data and DTS. It features a transmission range of about 300 feet, with 50,000 uV/m at 3 meters. It supports an audio input of 1.0 Vpp at 100 K Ohms, and an audio output of 1.0Vpp at 100 Ohms. The receiver boasts an extraordinary frequency range of 2.4 GHz, and a frequency response of an astounding 20Hz – 24 KHz. In addition, the system is available in 902 – 928 MHz, and the superior transmission is reflected with a very low noise level of –90 dBV.

Other specifications include stereo channel crosstalk of –90 dBV. TrueMusic™ also features a great total harmonic distortion (THD) of 0.03%. It also has an automatic mute mode. The radio waves transmit through most standard building materials, except exterior aluminum sidings and stucco with chicken wire backing.

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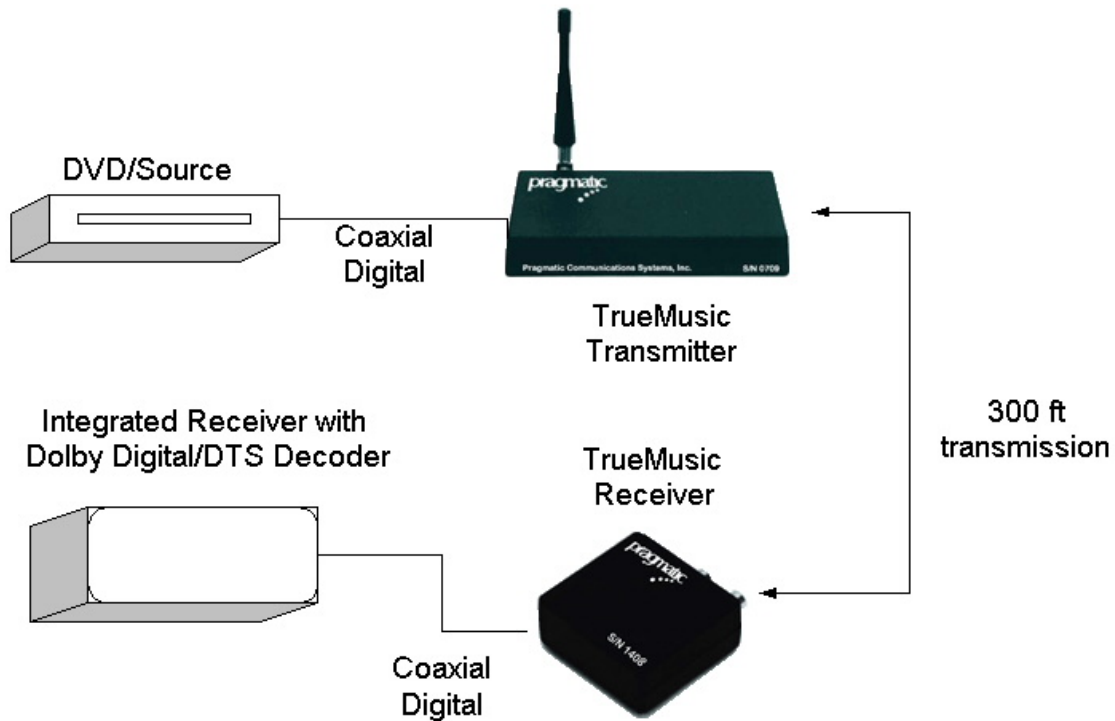
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## Typical Application:



## Applications:

Wireless home theater  
Multi-room digital audio distribution  
5.1 sound system  
Great for retrofit or new construction

## Features and Benefits:

Capable of transmitting Dolby Digital 5.1 DTS and Digital PCM data  
Reliable  
Easy installation  
Transmission range of about 300 ft.  
Supports an audio input of 1.0 Vpp at 100 K Ohms  
Supports an audio output of 1.0 Vpp at 100 Ohms

Frequency range of 2.4 – 2.43 GHz  
Frequency response of an astounding 20Hz – 24 KHz  
Available in 902 – 928 MHz  
Stereo channel crosstalk of -90 dBV  
Great total harmonic distortion (THD) of 0.03%  
Transmit through most standard building materials

## Architect Specifications:

The unit shall consist of a wireless transmitter and a wireless receiver. The transmitter should measure 2.4" W x 1.6" H x 1.0" D and weigh 1 oz. The receiver shall measure 5.5" W x 3.3" H x 1.0" D and weigh 5 oz. It shall be capable of transmitting Dolby Digital 5.1 DTS and Digital PCM data. It shall support an audio input of 1.0 Vpp at 100K Ohms and an audio output of 1.0 Vpp at 100 Ohms. It shall have a transmission range of about 300 feet. Its frequency range shall be 2.4 – 2.43 GHz and frequency response of 20Hz – 24 KHz. Its stereo channel crosstalk shall be 90dBV with a THD of 0.03%. It shall be reliable and easy to install. It shall be able to transmit through most standard building materials.

The unit shall be a Pragmatic TrueMusic™ 5.1.

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