

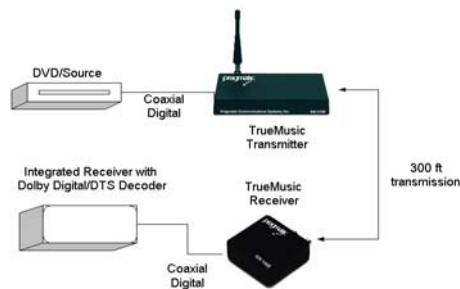
Special points of interest:

- TrueMusic™ Wireless Dolby Digital 5.1 Audio System
- TPA: Twisted Pair Wires
- Display Partner™ Tuner
- MBA-136 Mono Block Amplifier

TrueMusic™ Wireless Dolby Digital 5.1 Audio System

TrueMusic™ 5.1 is a powerful wireless digital audio transmission system capable of transmitting Dolby Digital® 5.1 DTS and Digital PCM data. It works beautifully for wireless home theater and distributing multi-room digital audio with ensured simplicity, reliability and easy installation. It is capable of producing an incredible audio frequency response up to 24 KHz, with less than 0.5 dB error across the band.

TrueMusic™ features a transmission **Typical application of TrueMusic™**



range of about 300 feet, with 50,000 uV/m at 3 meters permitting high quality audio to reach all areas of the home. The receiver boasts an extraordinary frequency range of 2.4 GHz and

frequency response of an astounding 20 Hz – 24 KHz producing a crystal clear audio performance. In addition, the system is available in 902 – 928 MHz, and the superior transmission is reflected with a low noise level of –90 dBV. Other specifications include stereo channel crosstalk of –90 dBV, total harmonic distortion (THD) of 0.03% and an automatic mute mode. The powerful audio waves transmit through most standard building materials without any alteration of sound.

TPA: Affordable Audio Wiring

The HideAway™ Series TPA™ twisted pair audio is the affordable solution for audio wiring. The line-level stereo signals can now be transmitted and received using simple twisted pair wires thus eliminating the need of costly rewiring. The remote TPA™ receiver can use the Pragmatic IWA™ (In-wall Amplifier) or the Pragmatic SAA™ (Stereo Audio Amplifier) to power the speakers.

The innovative SuperTranZ™ circuit eliminates ground loops and noise pick up. It also provides a robust signal for amplification. The system provides true plug and play simplicity with no need for

manual gain adjustment on the receiver. TPA™ is the low cost, better performance alternative to other balanced audio line drivers and receivers on the market. The transmitter and receiver units have a standard RJ-45 plug for twisted pair wires interface, a pair of standard phono plugs for stereo line-level audio signals and a 12 V DC power connector.

A basic TPA™ system consists of a user supplied line-level stereo audio source into a TPA™ Tx (transmitter) sends signals via category 5 wiring to a TPA™ Rx (receiver). Up to 32 Rx's may be inserted at any point beyond the Tx within the maximum wire run. All Rx are powered by individual, supplied UL listed plug-in transformers or by a separate 18/2 wire run from a central PSU. The Rx signal is then demodulated to line-level analog information and fed to the user's choice of local control, power amplifier and loudspeaker. The best performance will be achieved with category 5 wiring or better

that conforms to EIA568B or EIA868A standards. The system will operate satisfactorily on category 3, category 5, category 6 and other twisted pair wires with the same specifications but variances on the run distances.

Pragmatic's TPA™ allows connections to any stereo audio source and drive up to 300m/1000' to three receivers. It can terminate with in-wall amplifiers up to 48-watts per channel. It is as simple to install as other category 5 wired systems with a stunning difference in sound quality and detail. TPA™ is sold as a transmitter and receiver pair with additional receivers available.



Front of TPA

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Display Partner™ Multi Dimensional TV/CATV Tuner



The Display Partner™ is a professional quality, integrated TV/CATV tuner, stereo preamplifier with multi-channel audio switcher and stereo power amplifier. The impressive system complements any plasma display while also providing high performance audio.

Display Partner™ fits in one small and convenient rack mount unit. Not only is it very simple to operate, highly reliable and easy to install, but it also delivers high quality audio and video at an affordable price.

With all its high quality features it is of no surprise that the Display Partner™ is the ideal choice for plasma monitors and high-end projection systems that access cable television or traditional master antenna systems. It finds numerous applications in industrial and commercial installations including corporate boardrooms and training facilities.

The tuner receives all standard VHF/UHF broadcast frequencies and standard 99-channel cable TV frequencies.

The multi-channel stereo switcher can accept up to 2 additional audio signals and contains digital preamplifiers with computer-controlled volume, bass, treble and balance controls. Display Partner™ is also controllable through standard infrared remote controls and has an auxiliary IR input port provided in the rear to connect remote IR sensors. The unit has two 24-watt high efficiency mono-block power amplifiers built-in to drive speakers with a front panel LCD to display TV channels.

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*Innovators in Wired and
Wireless Systems*

Pragmatic Communications Systems, Inc. is a Silicon Valley based company established in 1994 to design, develop and produce a variety of innovative and environmentally conscious products for wireless audio, video and data communications. The majority of the company's products up until 1997 were designed for industrial and commercial applications, after which Pragmatic branched into the consumer market. The success of the older products led to a strong and dynamic technology base, which helps fulfill Pragmatic's mission to create solutions to long unresolved technical problems with designs that are both compact and energy efficient. This belief has been applied to a new generation of products such as DMS™, PADST™, DAVEST™, CATS™, True Music™ wireless hi-fi system, and True View™ wireless video system.

Highly Efficient 36 Watt Mono-Block Amplifier

The MBA-136 contains a mono-block amplifier that provides efficient, state-of-the-art power. It produces incredible sound depth and musical clarity that will impress even the most finicky audiophile. The unit accepts any volume controlled line level input and uses super quiet 13.8 V DC power. It has a continuous power of 36-watts and a peak power of 60-watts. Advanced protection circuitry guards against system damage from overload, overheating, or short circuits.

The MBA-136 can be found in many different

applications, whether it is commercial or residential. It can easily be placed anywhere thanks to its lightweight 9-ounce design. In addition, the MBA-136 comes with optional features to customize it to any application. The features include rotary volume control and multiple amplifiers in a standard rack mount unit.

Pragmatic offers high quality digital amplifiers that contain numerous advantages over the competition. A Pragmatic amplifier boasts high efficiency and clock frequency. It also has very linear gain and phase characteristics. The amplifier has a flat frequency response



A MBA-136 uses only 13.8 V

from 10 Hz to 50 kHz. There is no ripple in the pass band and very low change in distortion versus output power levels (usually between 0.01 and 0.05%). A Pragmatic amplifier maintains very low and uniform distortion on all frequencies and very high signal-to-noise ratio and dynamic range.