

**Special points of interest:**

- CATS™ VGA Audio Video
- Launch of New Website
- Multi Channel Amplifier
- Noise Sensing Sending Device

## VGA Audio Video Over Category 5 Wires



**CATS™ VGA Transmitter**

Pragmatic has recently developed CATS™ VGA high definition video transmission on a single category 5 cable. CATS™ VGA is the newest advancement in Pragmatic's CATS™ high performance systems for the distribution of broadcast quality video signals on cost effective category 5 cables. The system allows for long distance signal transmission without significant loss of quality.

CATS™ VGA can run distances of 1000 feet. Its transmitter and receiver are CE compliant and powered by efficient 7.5 or 9 V DC. In addition, both are extremely compact measuring only 3.5" W x 2.5" H x 1.75" D and 3.5" W x 3" H x 1.75" D. The resolution of CATS™ VGA can be configured to 1280 x 1024 pixels and higher with diminishing distances. It can be paired with Pragmatic's PADS™ tube speakers for high performance audio. VGA's optional features include stereo or digital audio and a broadcast unit for sending signals to up to 16 outputs. If no audio is used, the VGA can send RS232 serial data. An application of the RS232 could be for universal command to turn off displays at a set time.

CATS™ VGA has numerous applications, including

education, corporate, retail, airports, theme parks, and many others. Corporate training in hotel ballrooms or large conference areas could be simplified and require no costly or complicated wiring when implementing the CATS™ VGA system. In addition, schools and universities can use the system to upgrade its audio video systems and easily expand the system to grow over time.



**CATS™ VGA Receiver**

## New Website Launched

A new website was launched this past month at [www.pragmatic1.com](http://www.pragmatic1.com). The new site has a different layout

and organization than the previous site, [www.wireless-experts.com](http://www.wireless-experts.com). The old site is still accessible through a link on the main page,

and the previous URL is still active as well.

Pragmatic decided to create a new site that would be more engaging for the user. "Our goal is to make a more interactive and user-friendly site," says Catherine Kehrl, the marketing manager at Pragmatic. The new site has a convenient navigation bar on the left-hand side and a purchase order form that can be submitted electronically.



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## PALS-4, the Noise Sensing Sending Device

PALS-4 is the newest development to help resolve speaker ineffectiveness due to continuously changing ambient noises. The device autonomously adjusts the speakers' volume level in response to the noise levels in the environment. In addition, a base volume can be set to determine how loud it sounds in relation to the environment.

The new product has numerous applications such as advertisements in retail merchandising, grocery stores and shopping malls to

loudspeaker announcements in public areas. With this incredible system, consumers will no longer miss an important message due to background noise. Not only can the device be useful in noisy situations but it can also provide unobtrusive noise levels in quiet environments, such as museums or libraries.

The simple design requires minimal set-up and components. Using Pragmatic's CATS™ technology, there is no

additional wiring required so that the input from the source will only need a category 5 interface. In addition, the system uses a sensing microphone and amplifier. The amplifier can either be a high efficiency mono block, such as any amplifier in the Pragmatic Hideaway Series, or use the Pragmatic PTS1 Tube Speaker technology that combines an amplifier and speaker into a 2" by 4.8" cylinder.



*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.

## Environmentally Conscious 12-Channel Amplifier

The MCA-1248 multi-channel amplifier produces a big, luxurious sound yet is so efficient that it doesn't require a heat sink or ventilating fan. The small yet powerful amplifier delivers a true high fidelity performance that surpasses the quality of amplifiers ten times its size and weight. At only ten pounds and a two-rack unit height, it is by far the most compact and efficient amplifier in its class.

In fact, MCA-1248's biggest competitor weighs in at a whopping 72 pounds. Its staggering weight is due, in part, because it loses large amounts of energy to heat. In order to contain

the heat, the amplifier must have more aluminum in its heat sink. In addition, it also contains more copper, sheet metal and iron. So not only will the competitor's amplifier cost you more on energy bills, but you will also squander money away in its hardware.

The robust design of the MCA-1248 provides extremely clean, state-of-the-art power. It produces unexpected sound depth and musical clarity. The unit accepts any volume controlled line level input and uses a quiet and efficient 110 V AC power supply. It also features advanced protection circuitry guards against system damage from overload, overheating or short circuits.

There are a number of



Front and back of the MCA-1248

applications for the MCA-1248. It is ideal for multi-room audio, bi-amplified speakers and home theater systems. It can power six rooms with ease and produces a signal-to-noise ratio and dynamic range of greater than 100 dB. It maintains continuous power of 48 watts per channel with peak power of 90 watts per channel.