

Special points of interest:

- New MuSe™ Hard Drive-Based Music Server
- Compact Preamplifier 9
- CopView™ Wireless Video System
- PH-16 PADS™ Hub

MuSe™ Energy Efficient Hard Disk Music Server

Pragmatic's MuSe™ is a high performance, hard disk-based music server for professional, commercial, industrial, and high-end residential applications. The unit is housed in a high quality 4 rack unit, industrial 19" rack mountable chassis with a locking security cover.

MuSe™ is a remarkable music server that comes with numerous high-end features. It is pre-configured to serve up to four channels of stereo music simultaneously. The music files can be accessed from a multitude of different mediums including the internal hard disc, DVD ROM, USB drives and any other drives on the network including any NAS. Each channel has multiple playlists that can be scheduled to play at any time. The playlists individually support up to 5000 songs and feature built-in random selection to prevent sequential and repetitive play. MuSe™ also generates a log file of all the songs played including time

and titles. The hard disk comes with 80 GB standard but can be customized to 400 GB and beyond.

The system is designed for 24/7 total autonomous operations, which eliminates the need for a supporting keyboard, mouse or video display. Music can be loaded to the system's hard drives via USB, DVD disc or Ethernet connection. Easy interface to Pragmatic's PADS™



Screen shot of MuSe™ user interface

products allows for music distribution on economical category 5 cables.

MuSe™ is the ideal music server for hotels, restaurants, theme parks, fitness clubs, museums, shopping malls, as well as many other applications. It can also be used as a luxurious multiple room audio system in residential markets. The MuSe™ can be seen working in several locations including multiple hotels in Dubai, UAE.



80GB standard w/ customization up to 400GB+

Compact Preamplifier Produces Big Results

Pragmatic recently created the Preamplifier 9, a fix gain, low noise, high dynamic range, and high signal-to-noise ratio preamplifier.

The Preamplifier 9 is miniature but delivers powerful, high performance audio at an affordable price. Much of the music people listen to today comes from computer sound card

outputs, MP3 players, satellite radio receivers, and others sources. These modern audio sources produce very low-level audio which isn't sufficient to produce normal audio outputs from most amplifiers. The Preamplifier 9 offers a fixed gain block between these sources with extremely low noise and very little distortion. In addition, it produces exceptional sound depth and musical clarity.

The standard units are available with 8.1 dB gain with custom configurations available to any desired gain up to 36 dB. There

are numerous options including rotary volume control, multiple preamplifiers in a standard rack mount unit and even an in-wall version that fits inside a single junction box.

Pragmatic designed the environmentally friendly Preamplifier 9 to operate on low power 7.5 V DC and weigh only 1.23 oz. In addition, it fits inside a 2.5" W x 1.65" H x .85" D box.



Compact Preamplifier 9

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New Hub Distributes PADS™ Technology to 4 Times More Rooms

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Pragmatic recently improved the original PADS™ system with the PH-16, a 16 output hub on category 5 cables.

The PH-16 receives line level stereo audio on a category 5 cable from any of the Pragmatic PADS™ PT or PTI transmitters. The PH-16 hub then distributes the line level stereo audio to the rooms while simultaneously sending power for the amplifiers on the same category 5 cable. The PH-16 feeds up to 16 rooms

and can be expanded infinitely with the loop output.

The compact design of the PH-16 is ideal for any residential or commercial distributed audio applications. It can be used along with the PADS™ system for audio transmission in schools, businesses, department stores as well as many others commercial settings. The PH-16 also features numerous possibilities for residential applications including intercom systems and music distribution. PADS™ is the

ideal choice for retrofit applications because it requires no rewiring but instead runs off preexisting category 5 cables. Its easy installation also works well in new construction. The PH also comes in a smaller 4-output unit.



PH-16 a 16 room hub



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™, PADS™, DAVES™, CATS™, True Music™ wireless hi-fi system, and True View™ wireless video system.

Pragmatic Increases Safety in Security and Public Service Jobs

CopView™ is an ultra-compact, fully self-contained wireless video system composed of a miniature battery-powered camera with an integrated wireless video transmitter and a separate receiver for local broadcast of video information. It consists of a very high performance, low light sensitive, high-resolution camera coupled with a high performance wireless video transmission system. Its ability to produce excellent image quality in low light situations makes it ideal for covert operations without any extra IR flood light requirements. The camera is conveniently designed to be handheld with an ergonomic handle attached to the bottom of the device. It also weighs merely 3 pounds.

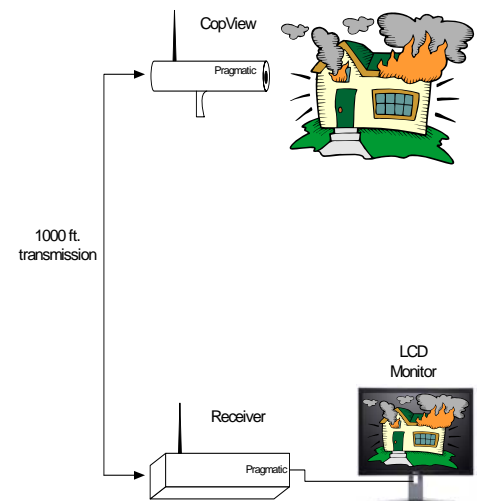
The CopView™ transmits video without any wire connections to the recording device, which can be located virtually anywhere including a vehicle. The device is easily turned on and off with a switch in the back of the camera. The transmission range between the

camera and receiver is an impressive 1000 feet, allowing the user to roam freely in a large area.

The CopView™ system is ideal for professionals in the safety field including law enforcement, fire personal, military, border patrol, coast guard, security, and many others. It can be mounted on a tripod in order to monitor chemical, biological or other hazardous situations from a distance of more than 1000 ft with a clear line of sight. In addition, it can be mounted on roving robots for applications in hostile environments. In law enforcement applications, it can be used to both protect officers and citizens by displaying clear images of the scene. The CopView™ is a great advancement over in-dashboard mounted video cameras, because it is easily portable and thus gives a closer view.

The self-contained camera has no external connections and lauds a battery life of two hours. The CopView™ eliminates the need for heavy battery

packs to be worn on the belt because the battery is integrated within its design. It is the perfect instrument for recording traffic violations, security vigilance, remote video recording, hazardous process viewing as well as a myriad of other uses, making it an essential safety device.



Typical application of CopView™