



Connectivity and Control



Avocent Connectivity and Control Solutions for A/V

Emerge™ EWMS1000 Wireless Media Streamer

Wireless Full-Motion Video • Point-to-Point and Multipoint
Plug and Play • 802.11 Radio Standard



FEATURES AND BENEFITS

Wireless Video.

Outputs 30 frames per second full motion video (MPEG2 D1) format up to VGA resolution.

Point-to-Point and Multipoint Transmission.

By pushing a button on each device, the operator can train all detected receivers to the transmitter.

Plug and Play.

Quick, simple installation. No software to download or controls required. Transmits 150 feet through walls or up to 300 feet in line-of-sight.

Multiple Input/Output Formats.

Built-in support for multiple input/output formats including Component, S-Video, Composite Video, RGB computer video and stereo audio.

Auto Input/Output Detection.

The wireless transmitter switches to an active input device and automatically converts and routes video and audio signals to connected displays.

Interchangeable Antennas.

Omni-directional (standard) and long distance directional antennas (optional) are available to meet the requirements of your installation.

Built-in Signal Strength Monitor.

Identifies performance-optimized mounting location automatically without special metering equipment.

802.11a Radio Standard.

Operates on the least-used standard WLAN frequencies for higher QoS and interference-free connectivity.

Proprietary Communications Protocol.

Proprietary packet protocol offers security and high bandwidth for challenging installations.

AES Encryption.

Built-in Advanced Encryption Standard (AES) for secure wireless connectivity.

The Avocent Emerge™ EWMS1000 wireless media streamer broadcasts high-quality, full-motion, streaming video from an analog video source to multiple display devices up to 300 feet line-of-sight (LOS). Emerge EWMS 1000 wireless media streamer makes installations simple and more cost effective by eliminating the need for long cable runs and expensive PCs at each display.

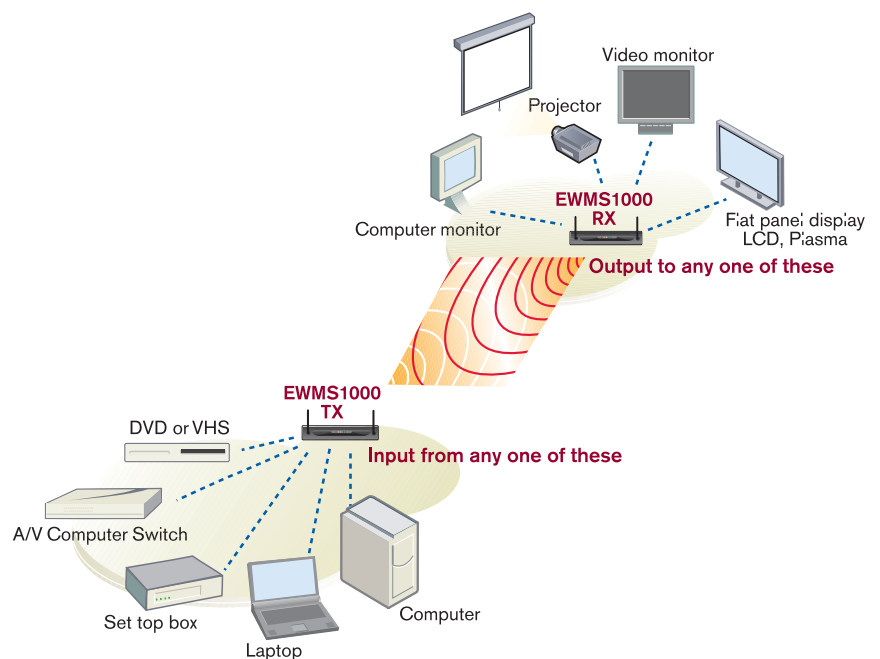
Video Extension & Broadcasting

The Emerge EWMS1000 wireless media streamer is a simple hardware solution that requires minimal setup time. On the source side, the transmitter connects directly to a computer, DVD player, VCR or cable box receiver. At the remote end, the receiver connects directly to the display device which could be a plasma screen, projector or monitor. The Emerge EWMS1000 wireless media streamer can be used for point-to-point video extension or for point-to-multipoint broadcast applications; the only difference is the number of receivers trained to the transmitter channel.

Downconvert and Broadcast Source Resolutions up to WXGA

The Emerge EWMS1000 wireless media streamer is compatible with most standard computer graphics input and output resolutions up to WXGA (1366 x 768). It is compatible with most standard computers and video monitor hardware and requires no special application or operating system software. While the EWMS1000 accepts and outputs resolutions up to WXGA, all transmission is done at 480i (approx. 640 x 480). All other resolutions are up/downscaled.

POINT-TO-POINT INSTALLATION





Smart Wireless Technology Design

The Emerge EWMS1000 wireless media streamer uses a smart wireless technology design. The component hardware is capable of self-setup and adjustment to ensure that the highest quality signal strength and video transmission is maintained. As a result, the display device portrays smooth motion video with a stable, noiseless image.

Simple Setup

Like a wireless keyboard, the Emerge EWMS1000 wireless media streamer system is set up or "trained" by simply pushing a button located on the wireless transmitter and on each receiver. No on-screen display is required. Subsequent displays/receivers can be added easily when conditions or requirements change. Display relocation is much quicker without bulky VGA cabling. Transmission of content occurs immediately and securely in the 802.11 a bandwidth, free from interference from other WLAN devices.

Signal Strength Indicator

The Emerge EWMS1000 wireless media streamer signal strength indicator light helps the installer find the best location for remote receiver units.

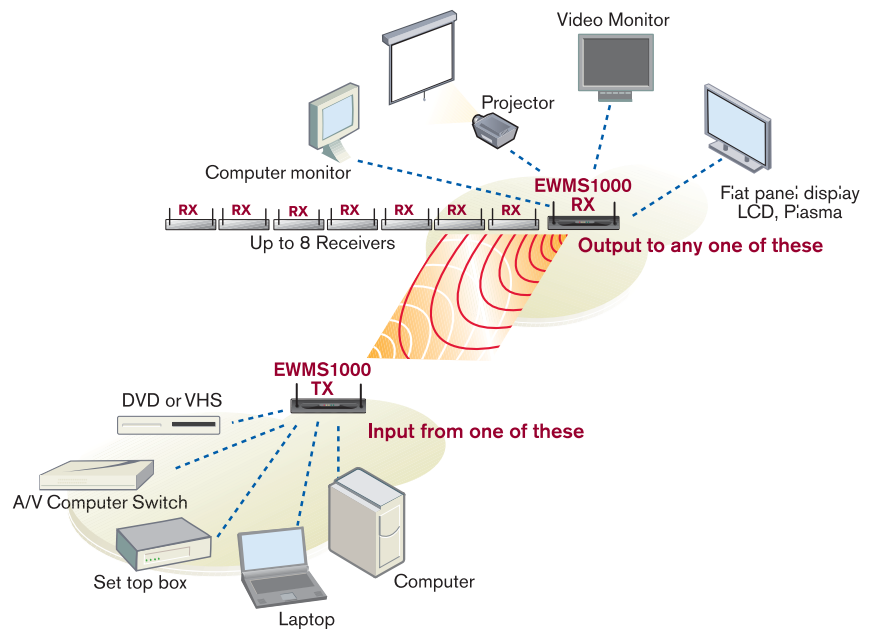
Multi-Display RS-232 Interface

The Emerge EWMS1000 wireless media streamer technology enables setup, display controls and monitoring the health of up to 8 attached display devices from a single transmitter.

High Quality MPEG2 Compression

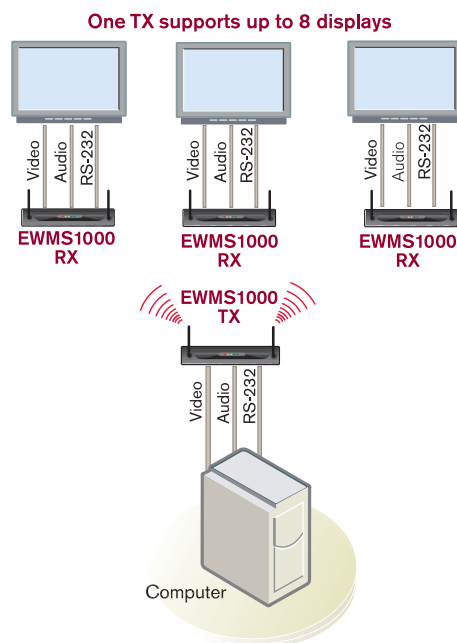
The Emerge EWMS1000 wireless media streamer transmits full MPEG2 D1 quality video utilizing a 100% digital transport. Combined with its proprietary communication protocol, the Emerge EWMS1000 wireless media streamer guarantees smooth, secure and uninterrupted video displays.

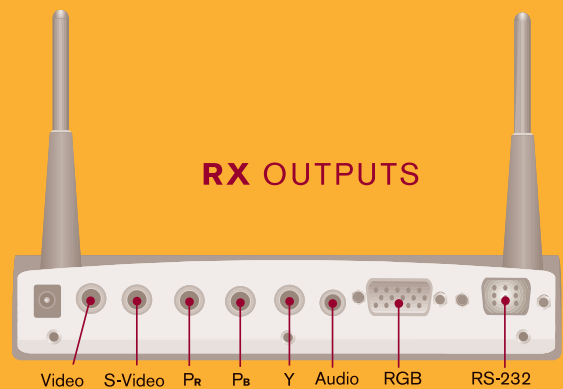
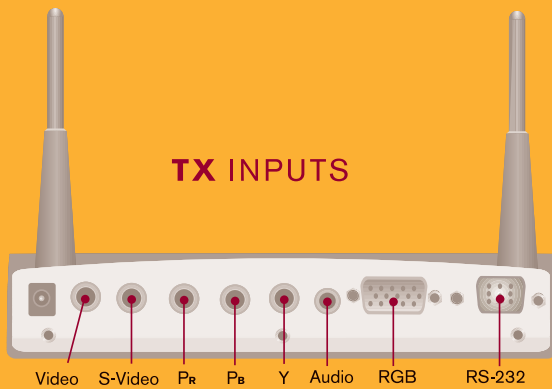
POINT-TO-MULTIPOINT INSTALLATION



Experience the freedom and flexibility of smart wireless streaming media

MULTI-DISPLAY RS-232 MANAGEMENT





EMERGE™ EWMS1000 WIRELESS MEDIA STREAMER SPECIFICATIONS

GENERAL

- Power Supply:** External, 9 volt @ 1 amp AC to DC universal
- Rated Power:** 5 watts (transmitter), 4 watts (receiver)
- Weight:** 2lbs
- Size:** 6.5" L, 4" W, 1.25" H, metal enclosure w/75mm vesa mounts
- Frequency:** 5.2-5.8ghz
- Operating Temperature:** 32° F (0° C) to 104° F (40° C)

TRANSMITTER INPUTS

Computer Video Signals:

- Mini D-Sub 15 pin (socket connector)
- Compatibility: VGA (640 x 480), SVGA*(800 x 600), XGA*(1024 x 768), WVGA*(850 x 480), WXGA*(1366 x 768) (maximum)
- Up to 60hz Vertical Refresh

Video Signals:

- Component (Pr, Pb,Py)
- S-Video
- Composite Video
- 480I @ 30 FPS

Audio: Stereo mini jack

Control: RS-232 D-sub 9 pin

RECEIVER OUTPUTS

Computer Video Signals:

- Mini D-Sub 15 pin (socket connector)
- Compatibility: VGA (640 x 480), SVGA*(800 x 600), XGA*(1024 x 768), WVGA*(850 x 480), WXGA*(1366 x 768) (maximum)
- Up to 60hz Vertical Refresh

Video Signals:

- Component (Pr, Pb,Py)
- S-Video
- Composite Video
- 480I @ 30 FPS

Audio: Stereo mini jack

Control: RS-232 D-sub 9 pin

PERFORMANCE

Distance:

- 150 feet through 3 walls
- Up to 300 ft. line-of-sight (1000 ft. with optional directional antenna)

Compression: MPEG2

COMMUNICATION MODES

- Point-to-Point
- Multi-Casting to 8 Receivers

SECURITY

Advanced 128-bit Encryption Standard (AES)

ANTENNAS

- Two-2 dBi omni directional (standard)
- Hi Output 8 dBi directional antennas (optional)

ACCESSORIES (included)

- Power Supply
- Power Supply Mount
- Power Supply Mounting Hardware

PART NUMBERS (optional)

- EWMS1000-001
- EWMS1000R-001
- EWMS1000T-001
- EWMS1000B-001

ACCESSORIES

- Hi Output 8dBi directional Antenna
- Rack mount for EWMS1000T black (RMK-47)
- Rack mount for EWMS1000T silver (RMK-48)
- Rack mount for EWMS1000Tblack-textured (RMK-49)
- Wall mount/pole mount for EWMS1000R (WMK-01)

WARRANTY

Two years

* Scaled for MPEG D1 wireless transport to 480i



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0705-EWMS1000-BRO-v3