



Zaxcom Wireless

Zaxcom Wireless is an exciting new system of wireless communication for the film and television industries. This system has several revolutionary features that will change the way you think about and use wireless systems. Other than the Mic preamp circuitry, the entire system is digital from the A-D converter to the receivers AES/EBU output. This provides a level of audio quality unheard of in a wireless environment.

Zaxcom Wireless Transmitters Are Remote Controllable (Pat.Pend)

Using a hand held control device similar to a television remote control, all aspects of the Wireless transmitter are remote controllable. Once the transmitter is placed on the talent, there is no need to touch that person until the battery dies or the show is over. All transmitter parameters are controlled with an easy to use keypad and LED display on the transmitter.

Two Sizes of Transmitter Fit All Applications

A standard size of transmitter called "Cigarette pack" and a Micro sized transmitter called "Matchbook" will be offered. "Matchbook" will be the lightest and smallest high quality audio transmitter ever built. Both transmitters will be compatible with the standard Zaxcom Wireless receiver.

Studio Quality Effex: Compressors and high pass filters are implemented in the digital domain.

The algorithms are the same as the ones used in Zaxcom studio mixing products such as Arria, and DMX1000. Using effex on location no longer creates the problem of phasing normally associated with wireless products.

Phase Coherent Transmission

Zaxcom Digital Wireless is inherently immune to the phase problems normally associated with analog wireless.

Control and Status Wireless receivers are integrated into the Cameo Production Mixer (Pat. Pend).

When used with Cameo, all wireless status is provided to the mixer on the flat screen plasma display. Control of the wireless receiver is accomplished by integrating control information into the Cameo reference signals that is provided to the receivers. Without additional cabling, Cameo and Zaxcom Wireless work together. Zaxcom Wireless provides an unprecedented level of flexibility and reliability.

Integrated voting system

If a system of consists of two or more wireless receivers, the system detects when more than one receiver is on a channel. If this occurs, the system will go into a voting configuration. This provides for seamless integration of the audio from a limitless number of receivers. This is very useful for coverage between floors in buildings or over a very large area. No extra hardware is necessary for Voting. When receivers are on different frequencies their outputs are combined automatically into standard AES/EBU pairs.

True Differential Mic Pre-Input

Zaxcom Wireless has a studio quality mic preamp that provides hum rejection normally associated with rack mount type equipment.

Specifications

- Transmitter "Cigarette Pack"
- Frequency range 902-928 MHz
- System Channels 20
- Modulation QPSK
- Mic Preamp gain -60dB, -50dB, -40dB, -30dB
- Mic input type Balanced 100 ohm or single ended with mic power
- Data Compression None
- Dynamic Range 120 dB A weighted
- A-D converter 20 Bit
- Power output 1-100mW Adjustable
- Effex Digital Compressor/Limiter and High Pass filter
- Sample Rate 48Khz
- Size 2" x 3" x .75"
- Battery 3 AA cells
- Battery life 8 hours

Receiver

- Frequency range 902-928
- System Channels 20
- Diversity Dual receivers true diversity
- Sensitivity .25 uV for 8 dB signal to noise
- D-A converter 24 bits
- Dynamic Range 120 dB A weighted
- Size 2" x 5" x 7"

Battery 4 AA cells
Battery Life 4 Hours
External Reference AES/EBU
Sample Rate 48 Khz or External reference frequency

Analog output level -4 dB line level -40dB mic level
AES/EBU interface 75 ohm BNC connector

All Specifications are subject to change without notice.

