



## SCORPION DIGITAL STEREO AUDIO SYSTEM



Scorpion Transmitter

Smaller than  $\frac{1}{4}$  the size of a credit card and only 4 mm thick.

Adaptability! Tektron's tiny transmitter can fit into practically any concealment. The low power consumption combined with outstanding stereo or mono audio (up to 8000 Hz response) make this transmitter an outstanding performer. The ultra miniature positive lock connectors allow flexibility for microphone interchangeability and the connections will not come apart. A milled aluminum case provides exceptional durability. Range is over 1000 feet, line-of-sight.

### FEATURES

- RF Output Power: 10 mW or 100mW
- Power Consumption: 10mW Output – 23 mA @ 3 VDC  
100mW Output – 46mA @ 6 VDC
- Chassis Size (L x W x H): 67 mm x 15.5 mm x 4 mm (2.64" x 0.61" x 0.16")
- Audio Modes: Stereo or Mono
- Operating Frequency: 360 - 400 MHz  
902 - 928 MHz (consult Tektron for other frequency requests)
- Channels: 8, externally selectable
- Signal Bandwidth: 1 MHz @ -10 dB
- Antenna Style: Whip monopole with SSMC type connector
- Microphone Type: Two (2) Electret - Knowles FG series or Tibbetts equivalent
- Microphone Connector: Tektron "Nano-Latch" 3 conductor, shielded, positive locking (US Patent No. 6,764,331)
- Supply Voltage Range: 3 - 14 VDC, negative ground with reverse polarity protection
- Power / Control Connector: Tektron "Nano-Latch" 8 conductor, shielded, positive locking
- Operating Temperature: -20°C to +60°C
- Case and Finish: Machined aluminum, matte nickel plated



Scorpion Receiver

### FEATURES

- Remote Control: Channel and control settings via RS-232 interface
- Current Consumption: 185mA @ 12 VDC  
1 mA when Off
- Analog Outputs: Line level (RCA)
- Digital Output: S/PDIF digital (RCA)
- Stereo/Mono: -40 Hz to 8,000 KHz
- Dynamic Range: 90 dB
- Sensitivity: -100 dBm (Stereo)  
-103 dBm (Mono)
- Dual Diversity: Included
- Indicators: Signal lock, Recv On, Self test
- Headphone: Variable (3.5 mm)
- Overall Size (L x W x H): (9.25" x 8.32" x 1.72")  
235 mm x 212 mm x 44 mm
- Frequency Range: 360 - 400 MHz  
899 - 928 MHz
- Power Input: 9 - 16 VDC, negative ground with reverse polarity protection
- Antenna Connectors: Two (2) N Type
- Power Supply: +12 VDC Universal Power Converter Supplied
- Operating Software: Included – Windows

The Scorpion receiver and transmitter are a complimentary pair, providing exceptional audio in a small package. An audio response to 8000 Hz provides sharp, clear intelligence. Receiver control functions are accomplished via a computer link and a simple graphical user interface. Once the control values are established the receiver remembers all settings and can be used in the field without concern of accidental change.