

TRANTEC SYSTEMS

Technical Specifications for the S4000 Series

S4000RX - Multichannel Fully Synthesised UHF Receiver:

Digital Microprocessor Based Diversity Switching
True Multichannel Operation
Dual Conversion Receiver for High Selectivity
LCD Display Monitoring All Aspects of Performance
Balanced Audio Output Via XLR
Unbalanced Variable Level Output via 1/4" Jack
Peak Audio and Active Channel Indicators
Double Screened RF Sections for High Interference Protection
Dual Active Digitally Controlled Mute Circuitry for Optimum Mute Performance
1/2 width 1U 19" Rack Format
Rear Mounted Antennae with TNC Connectors

RF Frequency: 854-862MHz TV Channel 69 (Others Available on Request)
Switching Range: 24MHz (-3dB), 960 Channel Capability, 32 Channels Selectable
RF Sensitivity: 0.5 uV for 12dB SINAD
Image Rejection: 1st IF 80dB, 2nd IF 75dB 2nd IF Bandwidth: 100kHz Max
Frequency Stability: 10kHz (-10 - 45c)
Nominal Deviation: 22kHz
Audio Frequency Response: 30Hz - 18kHz (-3dB)
Distortion: < 0.3% Noise Reduction: Complementary Variable Ratio
Compression/Expansion with Pre-Emphasis/De-Emphasis
Dynamic Range: 110dBA
Audio Output Levels: 0dBu Unbalanced, User Adjustable via Rear Panel Control, -
20dBm XLR Balanced
Display: Multi Functional LCD for VU/RF Levels, Channel Info, Mute Info, User Name
Programming, LEDs for Active Channel and Audio Peak
DC Input: 10.5 - 18V, 180mA Unregulated. Protected Against Reverse Polarity
Dimensions: 210 by 165 by 30mm Weight: 900g

S4000LTX - Microprocessor Controlled Bodypack Transmitter:

LCD Display with Channel Information
4 Pin Lemo Connector for Direct Connection to Most Microphones
10 Hour Battery Life (9V Alkaline Battery)
32 Channel Capability (selectable from 960)
Battery Low Indicator
Ruggedised User Controls
Adjustable Audio Gain
Ergonomically Designed Housing with Integral Multiposition Belt Clip

Power Output: typ 30mW (24Mhz -1dB)

Nominal Deviation: 22kHz
Stability: 10kHz (-10 - 45c)
Audio Frequency Response: 70Hz - 18kHz (-3dB)
Audio Input: Lemo FGG304, Pin1: 0v, Pin 2: DC Bias, Pin 3: Audio/DC Bias, Pin 4: AC coupled Audio
Audio Level: +3dBu - -30dBu via Adjustable Gain Control
Input Impedance: Nom. 10K Ohm
Size: 60 by 25 by 95mm
Weight: 100g
Fully Meets with Requirements of ETS 300-422/445

S4000GTX - Microprocessor Controlled Bodypack Guitar Transmitter:

LCD Display with Channel Information
Industry Standard 1/4" Jack Socket Input
10 Hour Battery Life (9V Alkaline Battery)
32 Channel Capability (Selectable from 960 Channels)
Battery Low Indicator
Ruggedised User Controls
Adjustable Audio Gain
Ergonomically Designed Housing with Integral Multiposition Belt Clip

Power Output: typ 30mW (24Mhz -1dB)
Nominal Deviation: 22kHz
Stability: 10kHz (-10 - 45c)
Audio Frequency Response: 40Hz - 18kHz (-3dB)
Audio Input: 1/4" Jack Socket
Audio Level: -10dBu - +10dBu via Adjustable Gain Control
Input Impedance: Nom. 470K Ohm
Size: 60 by 25 by 95mm
Weight: 100g
Fully Meets with Requirements of ETS 300-422/445

S4000MTX - Microprocessor Controlled Handheld Transmitter:

32 Channel Capability
Integral LCD Display
Easy Battery Access
Ergonomically Designed with Non-Slip Soft-Feel Finish
User Controlled Digital Gain Adjust
Available with High Quality Uni-Directional Dynamic MU-48C Head (Others Available on Request)

Frequency Range: 170-220MHz
Power Output: typ 30mW (24Mhz -1dB)
Nominal Deviation: 22kHz
Stability: 10kHz (-10 - 45c)
Audio Frequency Response: 70Hz - 18kHz (-3dB)
Dimensions: 235 by 50 by 30mm
Weight: 200g
Fully Meets with Requirements of ETS 300-422/445