S6000 UHF

MICROPHONE SYSTEMS

THE SYSTEM

The NEW S6000 radio microphone system has been specifically designed and engineered for professional users, who demand high levels of flexibility that meet the needs of today's challenging market place.

The rack mounted S6000 Wireless microphone system comprises: 8 UHF receivers, antenna distribution, headphone monitor, power supply, and a small format PC.

THE S6000 BELT-PACK TRANSMITTER

The S6000 Belt-pack takes the groundbreaking technology of its predecessor - the S5000 - to a new level. This small, compact transmitter duplicates the same frequency range as the receiver, storing up to 64 frequencies working between 798MHz - 865MHz, covering channels 62 -70 - eliminating the need for a different transmitter version for each different channel. Other features include: battery monitoring, tone grip, a single 'AA' gives 8 hours of continuous operation, digital gain, Infra red configuration through a PDA working on the Palm OS platform. And last but not least, it has a BLUE power LED!

The S6000 gain and frequency settings can be selected manually with a simple screwdriver adjustment in the front panel, or for complete configuration, a PDA can be used to program the transmitter through its Infra red port.

The software, which is supplied free of charge, allows the user to program any frequency on a 25kHz grid from channel 62 to channel 70 (798MHz - 865MHz) - giving greater flexibility and enabling it to be used throughout the UK, Europe or anywhere else in the world.

THE S6000 RECEIVER

Trantec's new S6000 receiver system allows up to 8 receivers (798MHz - 865MHz) to be mounted inside a '2U' 19" rack mount chassis - the system will function perfectly with fewer receivers, but the optimum is 8. Each mainframe rack has an internal antenna distribution system allowing multiples of up to 5 racks (40 receivers) to be connected and run from one antenna system.

An internal small format PC, running Windows XP, gathers data from the receivers and the whole system (up to 40 receivers) can be monitored and controlled from a single screen, either locally or by any other PC or PCs on the network, via an Ethernet interface. This allows the user to control functions such as: constant accurate transmitter battery status, remote setting of names, frequencies, mute level settings, and frequency scanning for nearby transmissions that may cause interference.

Smart headphone monitoring of all functioning receivers from one headphone jack socket on any rack configured in the system. An infrared link is also available from the receiver for each transmitter allowing local frequency set-up or as described previously, from a PDA.

Watch Out for future updates to this system!

TRANTEC

The world's finest wireless systems

TECHNICAL SPECIFICATIONS

S6000RX RECEIVER
Frequency Range: 798-865MHz
Frequency Arrangement: 25kHz grid
RF Sensitivity: 0.3μV for 12dB sinad
Image Rejection: 1st IF > 85dB, 2nd IF > 70dB
RF Input Impedance: 50 Ohms
RF 1dB Compression Point: -8dBm
Sensitivity: 0.5μV
S/N Ratio: >100dB (A-Weighted) at Ue=50μV
Squelch: Infinitely Adjustable up to 30μV
AF Frequency Response: 70Hz-18kHz
AF Output: 0dBm XLR, Transformer balanced
Distortion: < 0.2%
IF Bandwidth: 110kHz
Frequency Stability: < 10kHz
Dynamic Range: > 100dB (A) Weighted
Operating Voltage: 90 to 132 VAC or 180 - 264 VAC via an automatic switch (47 - 63 Hz)
Dimensions: (Full Width 2U 19" Format)
Weight 8.5 Kg (fully loaded)

S6000LTX TRANSMITTER
Frequency Range: 798-865MHz
Frequency Arrangement: 64 Frequencies on a 25kHz grid
Output Power: 2 Power settings 10dBm / 13dBm @ 50 Ohm
Nominal Deviation: 22kHz
RF Harmonic & Spurious Radiation: < -54dBm
Frequency Stability: < 10kHz
Power Consumption: 150mA, 1.5V "AA" Alkaline Battery
Battery End Point: 1.0V
Operating Time: 8 hours (Typical)
AF Frequency Response: 70Hz-18kHz
Audio Input: LEMO FGG304, Pin 1 - 0v, Pin 2 - DC 9v Bias, Pin 3 - Audio + Plus, Pin 4 - AC Coupled Audio
AF Gain: 10 Step Gain (Input level 0dB to -22dB)
Dimensions: 50 x 68 x 20
Weight: 68g
Regulatory information: Fully meets requirements of ETS300-422/455

FOR MORE INFORMATION CALL Trantec on 020 8330 3111
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