



S5 SERIES UHF WIRELESS MICROPHONE SYSTEM



New wireless microphone system sports specifications that are a match for venues of any size.

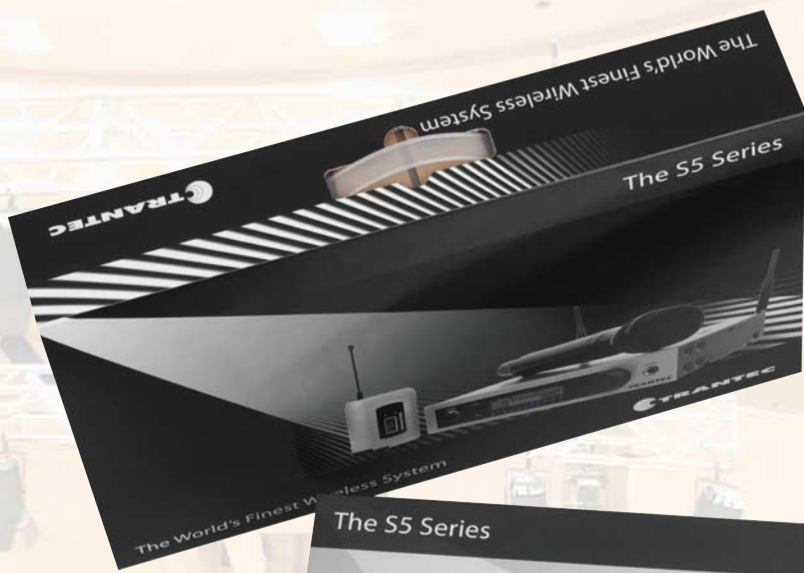
Introducing its latest professional wireless mic, system for a wide range of applications.

S5.5 UHF Professional Wireless Microphone System incorporates the latest technological advances, enabling it to satisfy the demands of a wide range of theater and broadcast applications. The high quality audio and RF dynamics combine with true diversity operation to provide a system with excellent multi-channel capability, enabling up to 24 channels to operate simultaneously without interference.

Microphone size and running costs have been reduced, thanks to single AA cell operation, providing over 10 hours of continuous use. The S5.5 Professional Microphone System offers powerful features combined with an exceptional cost/performance ratio, and comes with all you need for quick and easy installation and operation.

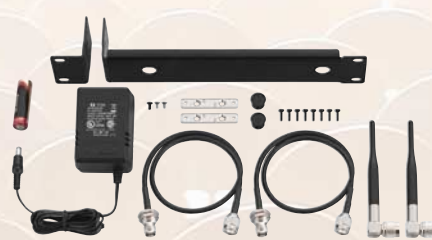
- High-quality true-diversity operation using twin RF sections eliminates dead spots and ensures more stable signal reception.
- A minimum 30 MHz operating window provides true frequency flexibility, preventing conflict with other radio wave signals.
- USB based PC monitor facility allows fully interactive monitoring and control of all system performance aspects including RF and AF level, together with transmitter battery status, squelch and frequency setting functions.
- Professional-quality metal enclosures for both transmitter and receiver.
- Integral triple-action tone/noise and RF signal strength muting circuit protects against external interference, so signals from the transmitter are received clearly, thus ensuring worry-free use.
- S5.5 wireless transmitters operate for over 10 hours on a single inexpensive and easily available AA alkaline battery.
- Clear and intuitive LCD displays on both transmitters and receivers, enabling easy checking of frequency settings and remaining battery life.
- Simple programming of transmitter with in built infra-red data link.





S5.5 System Specification

Frequency Bands available:	D3 830-865MHz	C1 794-830MHz
	B2 740-752MHz	A1 692-722MHz
RF Switching BW:	36MHz typical	
RF grid spacing:	25kHz	
RF Bandwidth:	< 200kHz	
AF Frequency response:	60Hz - 20kHz	
AF Distortion:	< 0.8% at nom deviation 22kHz	
AF Dynamic range :	>110dBA	
AF Noise reduction :	Trantec proprietary	
Temperature range:	-10°C to +55°C	



S5.5-HD Handheld Microphone Set

S5.5-L Lavalier Microphone Set



S5.5-RX Receiver

Type:	Dual Diversity featuring PLL Dual conversion receivers
IF Freq:	1st IF 55.875MHz/2nd IF 10.7MHz
Sensitivity:	< 1uV/12dB SINAD
Squelch Sensitivity:	6 – 36dBμV
Tone Frequency:	32.768kHz
1st Image:	>70dB
RSSI range:	10 steps 30dB range
Antenna Inputs:	TNC 50 Ohms
AF switches:	Low Cut – High Boost – Phase Reversal
AF Output level:	XLR Line +15dBm max. /XLR Mic -25dBm max. /Unbalanced 1/4" jack socket +9dBm max.
Antenna Phantom:	9V @ 60mA short circuit protected on each RF port
Bank Specification:	10 Banks x 24 Channels
Infra-Red Link:	Range 15cm max.
Computer Interface:	Computer monitoring via rear panel USB interface
Power Consumption:	300mA @ 12Vdc nominal



S5.5-HDX Handheld Transmitter

Power Supply:	Single Alkaline "AA" cell 1.5V nom
Power consumption:	Typically 120mA
Microphone Element:	Handheld: Dynamic microphone, hyper cardioid/Beltpack: Electret condenser microphone, omnidirectional
Operating time:	Typically 8-10hrs minimum
RF Carrier Power:	< 50mW
Maximum Input Level:	146dB SPL
Controls:	On-Off, AF Gain Adjust, Frequency adjust, AF Mute (Handheld)
Gain Range:	Handheld: 3 steps 6dB/Beltpack: +2dBm to -20dBm in 10 steps
Handheld dimensions:	32 x 250 mm (1.26" x 9.84"). Grille diameter 51mm (2.01"). Weight 350g (0.77 lb)
Beltpack dimensions:	55 x 80 x 20mm (2.17" x 3.15" x 0.79"). Weight 110g (0.24 lb)

S5.5-LTX Beltpack Transmitter

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Specifications are subject to change without notice.
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