



# S5 SERIES UHF WIRELESS MICROPHONE SYSTEM



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

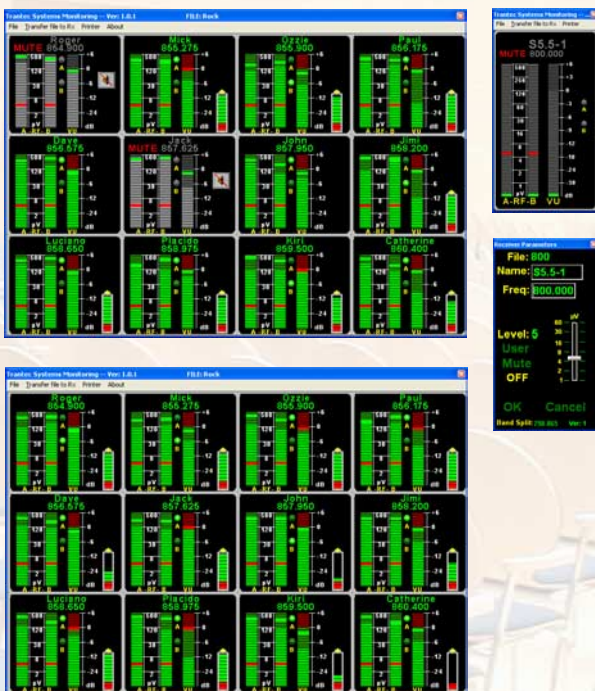
# Introducing its latest professional wireless mic, system for a wide range of applications.

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.

- 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.

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.

- 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

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



**S5.5-HD Handheld Microphone Set**

**S5.5-L Lavalier Microphone Set**



## S5.5-RX Receiver

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



## S5.5-HDX Handheld Transmitter

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

## S5.5-LTX Beltpack Transmitter

Trantec by BBM Electronics Group Ltd.  
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Specifications are subject to change without notice.  
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