



# TRANTEC

The worlds finest wireless systems

**2014 PRODUCT CATALOGUE**



[www.trantec.co.uk](http://www.trantec.co.uk)



## MAKING SENSE OF SOUND

For over quarter of a century Trantec has been committed to developing radio products to the highest specifications and at the cutting edge of technology. We are proud to have become synonymous with high quality.

Now part of the Japanese electronics giant- **TOA Corporation**, Trantec have gone from strength to strength with further commitment, investment and advancements across the Trantec brand without losing its distinctive identity.

We continue to invest in our own research and development facilities to ensure that our product range maintains its innovative and market leading position, catering for the most challenging contemporary audio demands within the broadcast, film, music and theatre industries.

Additionally, Trantec has products designed specifically for leisure, conferencing, education and ecclesiastical spaces.

### **CHANNEL 38 READY**

Trantec are constantly on the front foot to ensure that we are on hand to adapt to any changes within the industry. The UK has had a switchover in frequencies with channel 69 moving to channel 38 and Trantec where the first to supply a channel 38 ready product range.



**CHANNEL  
38 READY**

# The Worlds Finest Wireless Systems

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# S4.4 SERIES

## 4 Channel Entry Wireless System

Trantec's S4.4 is a plug and play system designed to launch you into the world of wireless. Tough, reliable and compact, this multi-function system is optimised for use with handheld, lapel mic and a range of headsets – or switch to use with a musical instrument.

The simple to use S4.4 combines efficiency and economy. Its four channels can be used licence free in the UK, and a single 9V battery will give you approximately 10 hours of quality performance with a range of up to 100 metres.

### S4.4 Receiver

#### FEATURES:

- 4 switchable licence free frequencies on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Receiver LED's show AF peak level, RF level & diversity channel A or B
- Professional metal enclosure
- 19" rack mount option for one or two receivers



#### S4.4 RX

Power Consumption	100 mA (12V DC)	Harmonic Distortion	Under 1% (typical)
Audio Output	<b>Balanced output:</b> +16dB(*3)(max), 600 Ω, balanced, XLR-3-31 type connector <b>Unbalanced output:</b> +10dB(*3)(max), 600 Ω, unbalanced, phone jack	Frequency Response	100 - 15,000 Hz, +3 dB
Receiving Sensitivity	Over 90 dB, S/N ratio (20dB μV input, 40 kHz deviation)	Operation Temperature	-10°C to +45 °C
Squelch Sensitivity	18 - 40 dB μV variable	Dimensions	214 (W) x 35 (H) x 100.5 (D) mm (excluding antenna)
Indicator	ANT A/B, Audio (peak), RF level, Power	Weight	580g
S/N Ratio	Over 95 dB (A-weight, unbalanced output)	Frequency Bands	691-693, 719-721, 742-744, 863-865 MHz
		4 Channel Capability	

#### Systems Available





## S4.4 Handheld

For powerful vocal performance or general speech applications, the S4.4 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic or Condenser capsule suitable for the most demanding of vocal applications.

### Features:

- 4 switchable licence free frequencies on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Single 9V transmitter battery life of approx 10 hours.

### Options:

- S4.4 HDX Dynamic Capsule
- S4.4 HCX Condenser Capsule



For accessories see pages 21-30

## S4.4 Backpack

The backpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

### Features:

- 4 switchable licence free frequencies on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Locking 3.5mm jack
- Integral switch for selection between instrument and microphone
- Single 9V transmitter battery life of approx 10 hours.

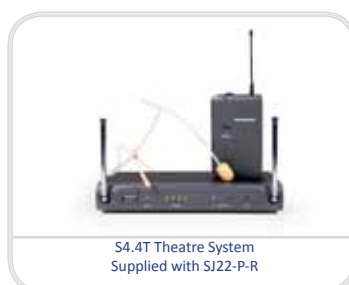


## S4.4 HDX/HCX

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	Ø 50 x 272 mm
Weight	220g

## S4.4 BTX

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Mic Input Connector	3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm
Weight	90g



# S4.16 SERIES

## 8 Channel Wireless Solution

The S4.16 series has been designed to make multichannel wireless as simple as possible. Based on Trantec's award winning S4000 Series, the S4.16 is a top quality 16 channel wireless system built for durability whilst being priced to suit the tightest of budgets.

This multifunction system is optimised for use with handheld, lapel mic and a range of headsets – or switch to use with a musical instrument. A single 9V battery gives approximately 10 hours of quality performance with a range of up to 100 metres.

CHANNEL  
38 READY

### S4.16 Receiver

#### FEATURES:

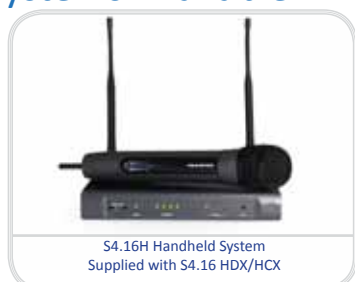
- 16 selectable frequencies including 4 licence free on Channel 70 (UK) available on D-band models
- Up to 8 simultaneous channels
- Fully synthesised PLL quartz tuning technology
- Receiver LED's show AF peak level, RF level & diversity channel A or B
- Professional metal enclosure
- 19" rack mount option for one or two receivers.



#### S4.16 RX

Power Consumption	100 mA (12V DC)	Harmonic Distortion	Under 1% (typical)
Audio Output	Balanced output: +16dB(*3)(max), 600 Ω, balanced, XLR-3-31 type connector Unbalanced output: +10dB(*3)(max), 600 Ω, unbalanced, phone jack	Frequency Response	100 - 15,000 Hz, +3 dB
Receiving Sensitivity	Over 90 dB, S/N ratio (20dB μV input, 40 kHz deviation)	Operation Temperature	-10°C to +45 °C
Squelch Sensitivity	18 - 40 dB μV variable	Dimensions	214 (W) x 35 (H) x 100.5 (D) mm (excluding antenna)
Indicator	ANT A/B, Audio (peak), RF level, Power	Weight	580g
S/N Ratio	Over 95 dB (A-weight, unbalanced output)	Frequency Bands	606-614, 719-744, 854-864 MHz
		16 Channel Capability (8 Simultaneous Channels)	

#### Systems Available





## S4.16 Handheld

For powerful vocal performance or general speech applications, the S4.16 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic or condenser capsule suitable for the most demanding of vocal applications.

### Features:

- 16 selectable frequencies including 4 licence free on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Single 9V transmitter battery life of approx 10 hours.

### Options:

- S4.16 HDX Dynamic Capsule
- S4.16 HCX Condenser Capsule



For accessories see pages 21-30

## S4.16 Backpack

The backpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

### Features:

- 16 switchable frequencies including 4 licence free on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Locking 3.5mm jack
- Integral switch for selection between instrument and microphone
- Single 9V transmitter battery life of approx 10 hours.



## S4.16 HDX/HCX

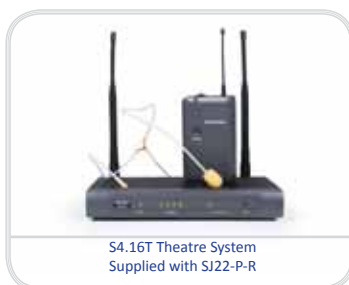
RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	Ø 50 x 272 mm
Weight	220g

## S4.16 BTX

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Mic Input Connector	3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm
Weight	90g



S4.16W Aerobic System  
Supplied with SJ66 & AB1000



S4.16T Theatre System  
Supplied with SJ22-P-R



S4.16E Earworn System  
Supplied with SJEM77-P

# S4.16 SERIES

## “Racked ‘n’ Ready”

The S4.16 series is the big brother of the successful S4.4 system; this 16 channel system has the capability to run up to 8 channels simultaneously with our Racked ‘n’ Ready options. The S4.16 series Racked ‘n’ Ready systems are available in a 4, 6 or 8 way racks, these unique, compact, plug and pay packages are ideal for hire stock, schools, amateur dramatics, churches and audio-visual applications.

### S4.16 Cube

Racked ‘n’ Ready



#### FEATURES:

- 16 selectable frequencies including 4 licence free on Channel 70 (UK)
- Up to 8 simultaneous channels
- Available with handheld, lavalier or instrument cable
- Diversity operation with locking 3.5mm jack
- Single 9V transmitter battery life of approx 10 hours
- 19” professional flight case with built in antennae distribution & power supply as standard.

#### ASSEMBLED PACKAGES INCLUDE:

- 4, 6 or 8 x S4.16 receivers
- 4, 6 or 8 x S4.16 transmitters in any combination of beltback (includes LP2 lapel mic) or handheld
- Antenna Distribution Unit
- Power Supply
- Rack Mounting Trays
- 2 x Antennae
- 19” Professional Flight Case

### S4.16 4Way

Racked ‘n’ Ready



Systems are available with an optional Remote Antenna Kit

#### OPTIONAL REMOTE ANTENNA KIT INCLUDES:

- 2 x 10m antenna cables
- 2 x antenna head amplifiers
- 2 x antenna stands.

#### CUSTOMISED OPTIONS AVAILABLE ON REQUEST:

- Contact your local dealer for further information





## S4.16 6Way

Racked 'n' Ready



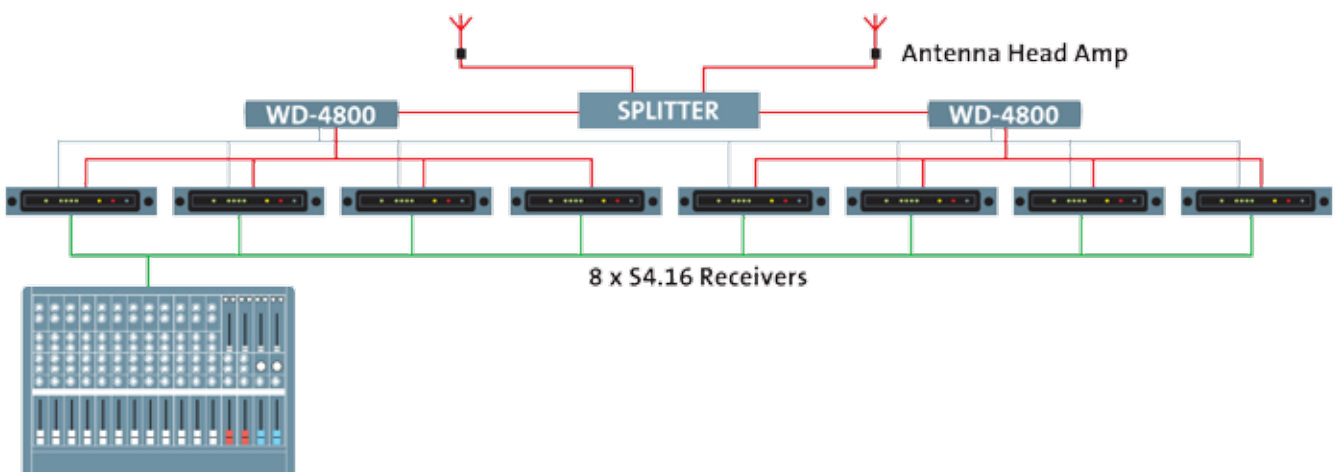
## S4.16 8Way

Racked 'n' Ready



For accessories see  
pages 21-30

## S4.16 8Way System



# S4.16RX2 SERIES

## Dual Channel Wireless Solution

The S4.16RX2 dual channel wireless system is a multifunctional system branching from the S4.16 series. The S4.16RX2 couples efficiency and simplicity to ensure consistent quality performance each and every time. The dual receiver ultimately provides double the performance without the doubling of size.

This multifunction system is optimised for use with handheld, lapel mic and a range of headsets – or switch to use with a musical instrument. A single 9V battery gives approximately 10 hours of quality performance with a range of up to 100 metres.

**CHANNEL  
38 READY**

### S4.16 RX2 Receiver



#### FEATURES:

- 16 selectable frequencies on channel 38 (UK)
- Up to 8 simultaneous channels
- Fully synthesised PLL quartz tuning technology
- Receiver LED's show AF peak level, RF level & diversity channel A or B
- Provided with ABS carry case
- Professional metal enclosure
- 2 receivers (4 channels) can connect to each other by sliding and locking the receivers side by side



### S4.16 RX2

<b>Power Consumption</b>	250 mA (13.8V DC)	<b>Harmonic Distortion</b>	Under 1% (typical)
<b>Audio Output</b>	<b>AF Output 1:</b> +10dBu unbalanced via 1/4 inch mono jacksocket +16dBu balanced via XLR 3F connector Pin 2+. <b>AF Output 2 BAL:</b> +10dBu unbalanced via 1/4 inch monosocket +16dBu balanced via XLR 3F connector Pin 2+	<b>Frequency Response</b>	<b>Handheld:</b> 80 Hz - 16 kHz + / -3dB <b>Beltpack:</b> 60 Hz - 16kHz + / -3dB
<b>Antenna Input</b>	75 Ω, BNC (phantom powering for antenna), 9 V DC, 30 mA (max)	<b>Operation Temperature</b>	-10°C to +50 °C
<b>Antenna Output</b>	75 Ω, BNC (gain 0dB)	<b>Dimensions</b>	210 (W) x 44 (H) x 181 (D) mm (excluding antenna)
<b>Indicator</b>	ANT A/B, Audio (peak), Power	<b>Weight</b>	720g
<b>S/N Ratio</b>	Over 100 dBA	<b>Frequency Bands</b>	606-614, 719-744, 854-864 MHz
		<b>16 Channel Capability (8 Simultaneous Channels)</b>	

### Systems Available





## S4.16 Handheld

For powerful vocal performance or general speech applications, the S4.16 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic or condenser capsule suitable for the most demanding of vocal applications.

### Features:

- 16 selectable frequencies including 4 licence free on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Single 9V transmitter battery life of approx 10 hours.

### Options:

- S4.16 HDX Dynamic Capsule
- S4.16 HCX Condenser Capsule



For accessories see pages 21-30

## S4.16 HDX/HCX

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	Ø 50 x 272 mm
Weight	220g

## S4.16 Beltpack

The beltpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

### Features:

- 16 switchable frequencies including 4 licence free on Channel 70 (UK)
- Fully synthesised PLL quartz tuning technology
- Detachable antenna
- Locking 3.5mm jack
- Integral switch for selection between instrument and microphone
- Single 9V transmitter battery life of approx 10 hours.



## S4.16 BTX

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Mic Input Connector	3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 Hours
Indicator	Battery Status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm
Weight	90g

# S4.16RX2 SERIES

## “Racked ‘n’ Ready”

Our S4.16RX2 Racked ‘n’ Ready options enables users to have a one stop 16 channel system that will enable you to run 8 channels simultaneously – all within either a 5u cube or a 4u rack.

The S4.16 series Racked ‘n’ Ready systems are available in a 4, 6 or 8 way racks, these unique, compact, plug and pay packages are ideal for hire stock, schools, amateur dramatics, churches and audio-visual applications.

### S4.16RX2 Cube 4Way

Racked ‘n’ Ready



### S4.16RX2 Cube 6Way

Racked ‘n’ Ready



### S4.16RX2 Cube 8Way

Racked ‘n’ Ready



#### FEATURES:

- 16 selectable frequencies on Channel 38 (UK)
- Up to 8 simultaneous channels
- Available with handheld, lavalier or instrument cable
- Diversity operation with locking 3.5mm jack
- Single 9V transmitter battery life of approx 10 hours
- 19” professional flight case with built in antennae distribution & power supply as standard.

#### ASSEMBLED PACKAGES INCLUDE:

- 2, 3 or 4 x S4.16RX2 receivers
- 4, 6 or 8 x S4.16 transmitters in any combination of beltpack (includes LP2 lapel mic) or handheld
- Antenna Distribution Unit
- Power Supply
- Rack Mounting Trays
- 2 x Antennae
- 19” Professional Flight Case



Systems are available with an optional Remote Antenna Kit

#### OPTIONAL REMOTE ANTENNA KIT INCLUDES:

- 2 x 10m antenna cables
- 2 x antenna head amplifiers
- 2 x antenna stands.

#### CUSTOMISED OPTIONS AVAILABLE ON REQUEST:

- Contact your local dealer for further information



PERFECT FOR HIRE STOCK AND APPLICATIONS  
SUCH AS SCHOOLS & AMATEUR DRAMATICS

## S4.16RX2 4Way

Racked 'n' Ready



## S4.16RX2 6Way

Racked 'n' Ready



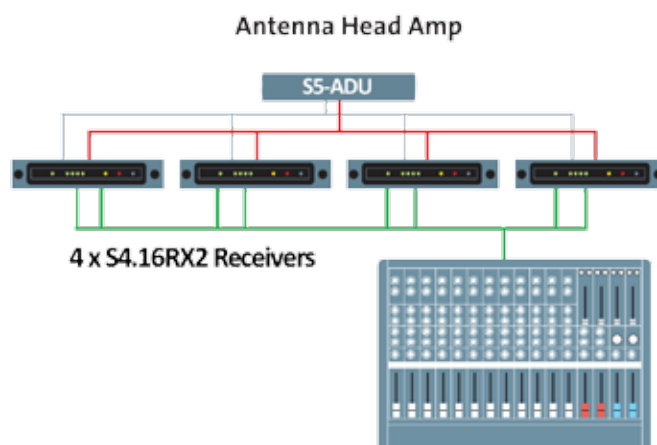
## S4.16RX2 8Way

Racked 'n' Ready



For accessories see  
pages 21-30

## S4.16RX2 8Way System



# S5.3 SERIES

## 12 Channel Wireless Solution

25 years after pioneering the first readily available radio mics, Trantec's foresight and imagination has again taken wireless to a whole new level with their groundbreaking S5 Series. Based upon the award winning S6000, widely used in theatre and broadcast, the S5 Series promises a powerful set of features combined with an exceptional performance/cost ratio. For venues of any size, we suggest you check out the specifications of this remarkable system.

The S5.3, one of our latest multi-channel UHF products, is the little brother of the successful S5.5 system. It will enable you to run up to 12 channels simultaneously at a price you will find hard to match.

### S5.3 Receiver

Fully synthesised UHF dual conversion receiver with features including graphic LCD, display jog wheel, IR data link, and headphone monitor.

#### FEATURES:

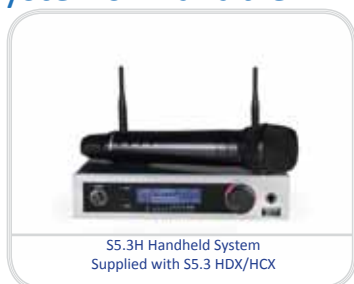
- True diversity operation
- Up to 640 selectable frequencies
- USB based computer monitoring
- Frequency scan function
- Integral triple tone grip/noise and signal strength mute circuit for protection against external interference
- Simple programming of transmitter with built-in Infra-red data link
- Clear and intuitive LCD displays
- Professional metal enclosure.



### S5.3 RX

<b>Power Consumption</b>	300 mA (13V DC)	<b>S/N Ratio</b>	Over 110 dB (A-weight)
<b>Diversity System</b>	Space diversity (true diversity)	<b>Harmonic Distortion</b>	Under 1% (typical)
<b>Audio Output</b>	<b>Line:</b> -22dB* / Mic: 62dB Line/Mic selectable, 600 Ω, balanced, XLR-3-32 type connector <b>Headphone:</b> max. 100mW 16 Ω, unbalanced, phone jack -28dB*, 600 Ω, unbalanced phone jack	<b>Frequency Response</b>	50 Hz - 20 kHz, +3 dB
<b>Antenna Phantom Power</b>	9V DC, 30 mA (max) (available to turn off phantom power)	<b>Function</b>	Audio low-cut, high boost & phase reverse, battery indicator (7 steps), headphone output, infra-red link port, channel scan, monitoring software with USB connectivity
<b>Receiving Sensitivity</b>	0 dB μV or less (12dB SINAD)	<b>Dimensions</b>	210 (W) x 46 (H) x 210 (D) mm (excluding antenna)
<b>Squelch Sensitivity</b>	6 - 36 dB μV variable	<b>Weight</b>	1.3kg (2.87lb)
<b>Indicator</b>	LCD, Power lamp, Mute lamp, ANT A/B lamp	<b>Frequency Bands</b>	606-622, 854-865 MHz
		<b>640 Channel Capability (12 Simultaneous Channels)</b>	

### Systems Available





## S5.3 Handheld

Fully synthesised UHF handheld transmitter with features including: integral LCD, IR data link, battery status indicator, digital gain control, microphone mute switch.

### Features:

- Simple programming of transmitter with built-in Infra-red data link
- Frequency & Power lock facility
- Single AA operation of transmitters with battery life of over 10 hours
- Integral antenna
- Clear and intuitive LCD display
- Colour coded ID band
- Professional metal enclosure

### Options:

- S5.3 HDX Dynamic Capsule
- S5.3 HCX Condenser Capsule



For accessories see  
pages 21-30

## S5.3 Beltpack

Fully synthesised UHF beltpack with features including: integral LCD, IR data link, battery status indicator, digital gain control.

### Features:

- Credit card sized beltpack
- Simple programming of transmitter with built-in infra-red data link
- Frequency & power lock facility
- Single AA operation of transmitters with battery life of 10 hours
- Detachable antenna
- Clear & intuitive LCD display
- Professional metal enclosure.

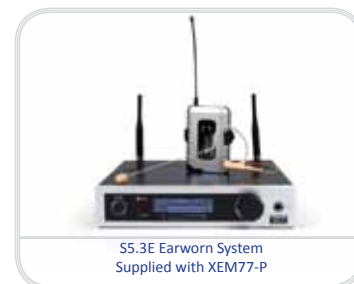


## S5.3 HDX/HCX

RF Carrier Power	Max. 30 mW or less
Maximum Input Level	146 dB SPL (microphone sensitivity: gain "0")
Audio Frequency Response	60 Hz - 20 kHz
Dynamic Range	110 dB or more (with S5.5-RX)
Battery	LR6 (Single AA)
Battery Life	Approx. 10 Hours (Alkaline)
Function	Mute switch, infra-red port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-2; 12dB)
Indicator	LCD display, power lamp
Dimensions	Ø 50 x 247.9 mm
Weight	380g (with battery)

## S5.3 BTX

RF Carrier Power	Max. 30 mW or less
Modulation System	PLL Synthesizer
Maximum Input Connector	120 dB SPL (microphone sensitivity: Gain "0")
Audio Input Connector	TA-4 (mini-XLR 4 pins)
Battery	LR6 (Single AA)
Battery Life	Approx. 10 Hours (Alkaline)
Function	Infra-red link port, battery life indicator (4 Steps), Microphone sensitivity adjustment (gain 0-9; 20dB)
Indicator	LCD display, power lamp
Dimensions	55 (W) x 80 (H) x 22 (D) mm
Weight	140g (with battery)



# S5.3 SERIES

## “Racked ‘n’ Ready”

The S5 series is also available in the coveted made to order Racked ‘n’ ready format. Built to run up to 12 simultaneous channels through one unit, the S5.3 Racked ‘n’ Ready is a compact and robust system available in a 4, 6, 8 or 12 channel package at a price which you will find difficult to match.

### S5.3 Cube

Racked ‘n’ Ready



#### FEATURES:

- Up to 12 simultaneous channels of true diversity operation
- USB based computer monitoring
- simple programming of transmitters via infra-red
- Credit card sized beltpack transmitters
- Single AA transmitter battery life of approx 10 hours
- Professional metal enclosure on both transmitters and receivers
- 19” professional flight case with built in antennae distribution & power supply as standard.

#### ASSEMBLED PACKAGES INCLUDE:

- 4, 6, 8 or 12 x S5.3 receivers
- 4, 6, 8 or 12 x S5.3 transmitters in any combination of beltpack (includes X2) or handheld
- Antenna Distribution Unit
- Power Supply
- Rack Mounting Trays
- 2 x Antennae
- 19” Professional Flight Case

### S5.3 4Way

Racked ‘n’ Ready



Systems are available with an optional Remote Antenna Kit

#### OPTIONAL REMOTE ANTENNA KIT INCLUDES:

- 2 x 10m antenna cables
- 2 x antenna head amplifiers
- 2 x antenna stands.

#### CUSTOMISED OPTIONS AVAILABLE ON REQUEST:

- Contact your local dealer for further information





## S5.3 8Way

Racked 'n' Ready



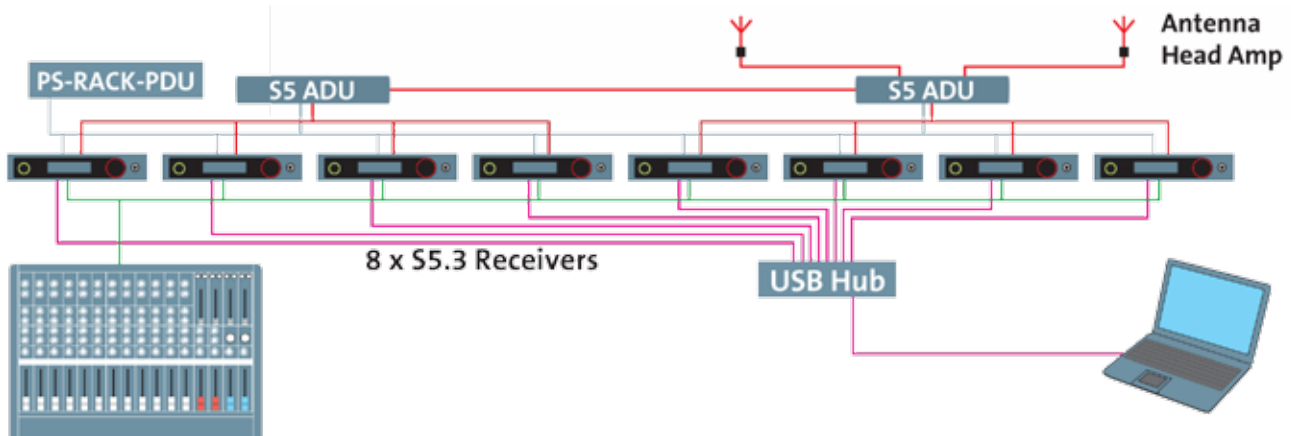
## S5.3 12Way

Racked 'n' Ready



For accessories see  
pages 21-30

## S5.3 8Way System



## 24 Channel Wireless Solution

25 years after pioneering the first readily available radio mics, Trantec's foresight and imagination has again taken wireless to a whole new level with their groundbreaking S5 Series. Based upon the award winning S6000, widely used in theatre and broadcast, the S5 Series promises a powerful set of features combined with an exceptional performance/cost ratio. For venues of any size, we suggest you check out the specifications of this remarkable system.

The S5.5, one of our latest multi-channel UHF products, is the big brother of the successful S5.3 system. It will enable you to run up to 24 channels simultaneously at a price you will find hard to match.

### S5.5 Receiver

Fully synthesised UHF dual conversion receiver with features including graphic LCD, display jog wheel, IR data link, and headphone monitor.

#### FEATURES:

- True diversity operation
- Up to 1400 selectable frequencies
- interactive USB based computercontrol & monitoring for all aspects of performance
- Frequency scan function
- Integral triple tone grip/noise and signal strength mute circuit for protection against external interference
- Simple programming of transmitter with built-in Infra-red data link
- Clear and intuitive LCD displays
- EQ & phase reversal
- Professional metal enclosure.



### S5.5 RX

<b>Power Consumption</b>	300 mA (13V DC)	<b>S/N Ratio</b>	Over 110 dB (A-weight)
<b>Diversity System</b>	Space diversity (true diversity)	<b>Harmonic Distortion</b>	Under 1% (typical)
<b>Audio Output</b>	<b>Line:</b> -22dB* / Mic: 62dB Line/Mic selectable, 600 Ω, balanced, XLR-3-32 type connector <b>Headphone:</b> max. 100mW 16 Ω, unbalanced, phone jack -28dB*, 600 Ω, unbalanced phone jack	<b>Frequency Response</b>	50 Hz - 20 kHz, +3 dB
<b>Antenna Phantom Power</b>	9V DC, 30 mA (max) (available to turn off phantom power)	<b>Function</b>	Audio low-cut, high boost & phase reverse, battery indicator (7 steps), headphone output, infra-red link port, channel scan, monitoring software with USB connectivity
<b>Receiving Sensitivity</b>	0 dB μV or less (12dB SINAD)	<b>Dimensions</b>	210 (W) x 46 (H) x 210 (D) mm (excluding antenna)
<b>Squelch Sensitivity</b>	6 - 36 dB μV variable	<b>Weight</b>	1.3kg (2.87lb)
<b>Indicator</b>	LCD, Power lamp, Mute lamp, ANT A/B lamp	<b>Frequency Bands</b>	606-638, 692-722, 722-752, 740-752, 794-830, 830-865 MHz
		<b>1400 Channel Capability (24 Simultaneous Channels)</b>	

### Systems Available





## S5.5 Handheld

Fully synthesised UHF handheld transmitter with features including: integral LCD, IR data link, battery status indicator, digital gain control, microphone mute switch.

### Features:

- Simple programming of transmitter with built-in Infra-red data link
- Frequency & Power lock facility
- Single AA operation of transmitters with battery life of over 10 hours
- Integral antenna
- Clear and intuitive LCD display
- Colour coded ID band
- Professional metal enclosure

### Options:

- S5.5 HDX Dynamic Capsule
- S5.5 HCX Condenser Capsule



For accessories see  
pages 21-30

## S5.5 Beltpack

Fully synthesised UHF beltpack with features including: integral LCD, IR data link, battery status indicator, digital gain control.

### Features:

- Credit card sized beltpack
- Simple programming of transmitter with built-in infra-red data link
- Frequency & power lock facility
- Single AA operation of transmitters with battery life of 10 hours
- Detachable antenna
- Clear & intuitive LCD display
- Professional metal enclosure.



## S5.5 HDX/HCX

RF Carrier Power	Max. 30 mW or less
Maximum Input Level	146 dB SPL (microphone sensitivity: gain "0")
Audio Frequency Response	60 Hz - 20 kHz
Dynamic Range	110 dB or more (with S5.5-RX)
Battery	LR6 (Single AA)
Battery Life	Approx. 10 Hours (Alkaline)
Function	Mute switch, infra-red port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-2; 12dB)
Indicator	LCD display, power lamp
Dimensions	Ø 50 x 247.9 mm
Weight	380g (with battery)

## S5.5 BTX

RF Carrier Power	Max. 30 mW or less
Modulation System	PLL Synthesizer
Maximum Input Connector	120 dB SPL (microphone sensitivity: Gain "0")
Audio Input Connector	TA-4 (mini-XLR 4 pins)
Battery	LR6 (Single AA)
Battery Life	Approx. 10 Hours (Alkaline)
Function	Infra-red link port, battery life indicator (4 Steps), Microphone sensitivity adjustment (gain 0-9; 20dB)
Indicator	LCD display, power lamp
Dimensions	55 (W) x 80 (H) x 22 (D) mm
Weight	140g (with battery)



S5.5W Aerobic System  
Supplied with X66



S5.5T Theatre System  
Supplied with X22-P-R



S5.5E Earworn System  
Supplied with XEM77-P

# S5.5 SERIES

## “Racked ‘n’ Ready”

The S5 series is also available in the coveted made to order Racked ‘n’ ready format. Built to run up to 12 simultaneous channels through one unit, the S5.3 Racked ‘n’ Ready is a compact and robust system available in a 4, 6, 8 or 12 channel package at a price which you will find difficult to match.

### S5.5 Cube

Racked ‘n’ Ready



### S5.5 4Way

Racked ‘n’ Ready



### S5.5 4Way

Racked ‘n’ Ready



#### FEATURES:

- Up to 24 simultaneous channels of true diversity operation
- USB based computer monitoring
- simple programming of transmitters via infra-red
- Credit card sized beltpack transmitters
- Single AA transmitter battery life of approx 10 hours
- Professional metal enclosure on both transmitters and receivers
- 19” professional flight case with built in antennae distribution & power supply as standard.

#### ASSEMBLED PACKAGES INCLUDE:

- 4, 6, 8 or 12 x S5.5 receivers
- 4, 6, 8 or 12 x S5.5 transmitters in any combination of beltpack (includes X2) or handheld
- Antenna Distribution Unit
- Power Supply
- Rack Mounting Trays
- 2 x Antennae
- 19” Professional Flight Case



Systems are available with an optional Remote Antenna Kit

#### OPTIONAL REMOTE ANTENNA KIT INCLUDES:

- 2 x 10m antenna cables
- 2 x antenna head amplifiers
- 2 x antenna stands.

#### CUSTOMISED OPTIONS AVAILABLE ON REQUEST:

- Contact your local dealer for further information



## S5.5 8Way

Racked 'n' Ready



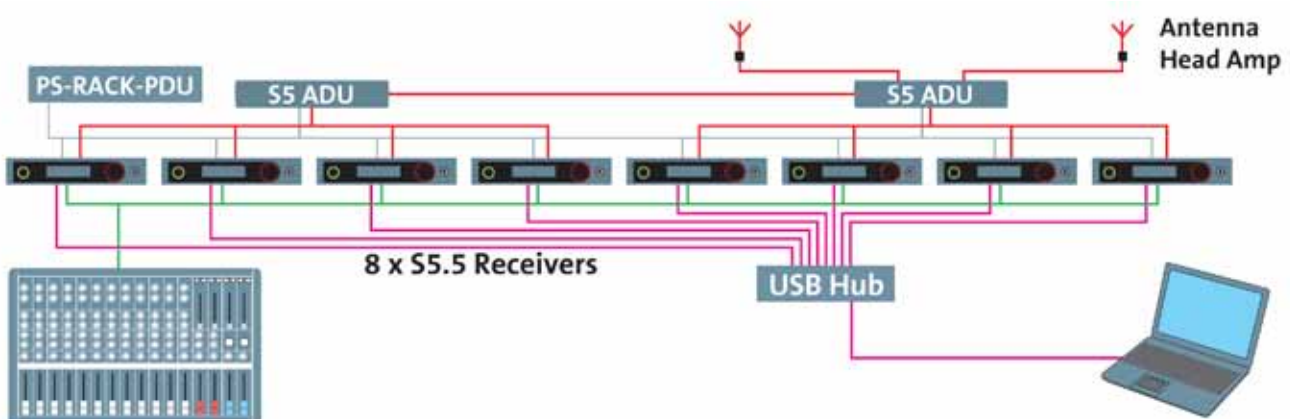
## S5.5 12Way

Racked 'n' Ready



For accessories see  
pages 21-30

## S5.5 8Way System



# LAVALIER MICS

## LP-2

The LP-2 miniature lavalier microphone offers superb audio quality combined with stylish looks at an affordable price.



The robustly designed LP-2 is a high quality microphone consisting of an electret transducer capsule exhibiting an omnidirectional characteristic. It has been specifically designed to suit the requirements of everyday applications and is particularly suitable for voice applications, where highly intelligible speech is required. The LP-2 is available in black, and has a permanently attached cable.

### LP-2

Type	Omni-directional electret condenser
Nominal Impedance	3000 ohms
Max SPL	>120dB
Operating Voltage	2-10 volts min/max
Current Consumption	50uA
Frequency Response	60Hz-16kHz +3dB
Cable Length	1500mm
Colours Available	Black

## LM-55

The LM-55 electret sub-miniature microphone capsule has been provided with a moulded plastic housing and cable for convenient mounting on lapel or tie for communications, public address, music recording and other applications.



This microphone features a flat, extended frequency response suitable for reproduction of voice or musical instruments. A 1.5 metre long black shielded cable of 2.5mm diameter is provided in the basic configuration. This cable includes two wires plus a spiral woundshield, which are soldered to the microphone capsule. A composite steel retainer plus moulded elastic strain relief provide a very rugged miniature package. Noise transmission from handling and clothing movement is very low. The LM-55 has a wide band omni-directional polar pattern. Internal RFI suppression is included.

### LM-55

Type	Omni-directional electret condenser
Nominal Impedance	4700 ohms
Max SPL	>120dB
Operating Voltage	2-10 volts min/max
Current Consumption	50uA
Frequency Response	30Hz-16kHz +3dB
Cable Length	1500mm
Colours Available	Black

## Lavalier connector variations

### Model Number

	LP-2	LM-55	LP-212	SJ-690H
S4.4	MIC-LP2	MIC-SJ55	MIC-SJ212	MIC-SJ690H
S4.16	MIC-LP2	MIC-SJ55	MIC-SJ212	MIC-SJ690H
S5.3	MIC-X2	MIC-X55	MIC-X212	MIC-X690H
5.5	MIC-X2	MIC-X55	MIC-X212	MIC-X690H

TS versions are still available

## LM-212

The LM-212 high quality lavalier microphone has been designed with the professional in mind. Its sub-miniature construction, together with its durable microphone clip makes it an ideal partner for all area of live work.



It can be used either as a microphone for instrument pick-up or for delivering highly intelligible speech or vocals. The extremely low profile of the LM-212 enables this microphone to be used in places where others have failed due to their more obtrusive size. With an exceptionally low physical profile, it can withstand the penetration of moisture and make-up, and has the same membrane construction as its sister product the HM-22. Whether used in the hair, on the face or as a body-worn lavalier, this microphone will withstand the everyday rigours of production.

### LM-212

Type	Omni-directional electret condenser
Nominal Impedance	4400 ohms
Max SPL	>120dB (high SPL version available)
Operating Voltage	2-10 volts min/max
Current Consumption	12-25uA min/max
Frequency Response	40Hz-16kHz +3dB
Cable Length	1200mm
Colours Available	Black & Beige



## SJ-690H

The SJ-690H high quality glasses frame microphone has been designed to offer the finest microphone alternative for users with glasses.



Designed with a view to flexibility, the single sided microphone fits tightly onto several frame sizes. The SJ-690H is lightweight and does not limit the movement of the user, the microphone is mounted onto a boom enabling adjustments to the microphone to allow for optimum sound quality.

### SJ-690H

Type	Omni-directional electret condenser
Nominal Impedance	1000 ohms
Max SPL	>58dB
Operating Voltage	1-10 volts min/max
Frequency Response	20Hz-20kHz +3dB
Cable Length	1300mm
Colours Available	Beige

### LP/SJ = 3.5mm Screw Jack



### X = 4 Pin Mini XLR



# HEADWORN MICS

## HM-33

The HM-33 has been designed primarily for the active professional who needs hands-free operation. Suitable for people in the sports, journalism, event organizers and restaurant applications



The headband is perfect for those applications which require a high performance cost-effective solution. Supplied with foam windshield.

## HM-66

The HM-66 has been designed primarily with the sports and aerobics industry in mind and is therefore built to withstand the everyday rigours of an active lifestyle



The construction of this headband microphone offers a high degree of protection against the ingress of sweat. Precise placement is obtained with the 4mm diameter flexible gooseneck, and the condenser capsule is highly efficient at noise cancellation – helping prevent feedback or interference from crowd noise etc.

This slim-line Aerobic Headset is available in a choice of the following colours: Black, Blue & Yellow.

### HM-33

Type	Electret condenser
Nominal Impedance	3300 ohms
Max SPL	>120dB
Frequency Response	20Hz-16kHz
Cable Length	1500mm
Colours Available	Black

### HM-66

Type	Super cardioid electret condenser
Nominal Impedance	3000 ohms
Max SPL	>125dB
Operating Voltage	2-10 volts min/max
Current Consumption	50uA
Frequency Response	60Hz-16kHz +3dB
Cable Length	1500mm
Colours Available	Black, Blue & Yellow



## Headworn/Earworn connector variations

### Model Number

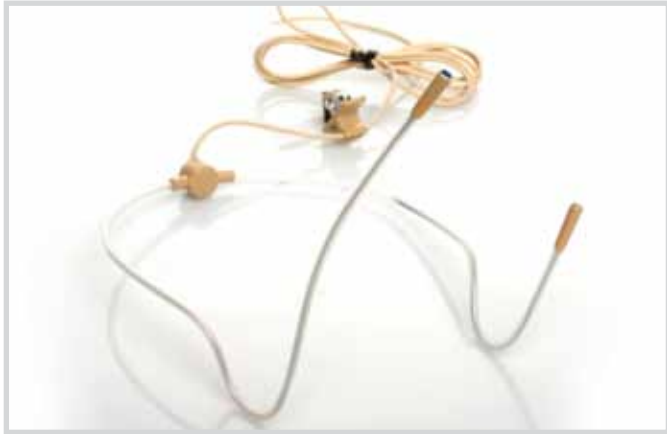
	HM-33	HM-66	HM-22	EM-77
S4.4	MIC-SJ33	MIC-SJ66	MIC-SJ22	MIC-SJEM77
S4.16	MIC-SJ33	MIC-SJ66	MIC-SJ22	MIC-SJEM77
S5.3	MIC-X33	MIC-X66	MIC-X22	MIC-EM77
5.5	MIC-X33	MIC-X66	MIC-X22	MIC-EM77

TS versions are still available



## HM-22

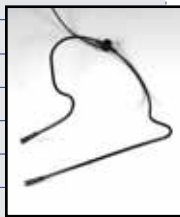
The HM-22 is a high quality headband microphone, which not only claims to be one of the smallest but also one of the lightest headband microphones on the planet. It has been designed to be worn around the head and to be hidden discreetly under the hair.



The headband is engineered from a hard wearing nylon composite, which has been specially selected to withstand robust use and yet can be adjusted to fit any user's head and ear shape. The high quality microphone, optimized for speech and vocals, is mounted on a boom that can be bent into shape to allow for optimum sound quality. A small membrane is inserted into the capsule housing which protects the capsule from moisture, make-up and any other dirt and can be replaced cheaply and effectively to allow the microphone to perform consistently at its best.

### HM-22

Type	Omni-directional electret condenser
Nominal Impedance	4400 ohms
Max SPL	>120dB (high SPL version available)
Operating Voltage	2-10 volts min/max
Current Consumption	12-25uA min/max
Frequency Response	40Hz-16kHz +3dB
Cable Length	1200mm
Colours Available	Black & Beige



## EM-77 Earworn Mic

The EM-77 is a high quality single ear microphone. Its lightweight construction allows the user complete freedom of movement making it ideal for theatre, conference and educational use.



This single ear microphone features a highly configurable and discreet capsule, making it ideal for countless applications.

### EM-77

Element	Black electret condenser
Polar Pattern	Omni-Directional
Frequency Response	20Hz-20kHz +3dB
Sensitivity	5mV/Pa +/- 3dB
Operating Voltage	1.5-10 volts D.C
Cable Length	1200mm
Colours Available	Beige

### LP/SJ = 3.5mm Screw Jack



### X = 4 Pin Mini XLR



## Antenna Distribution



### S5-ADU Antenna Distributor

The S5 ADU allows a single pair of antennae to feed up to 4 receivers. For larger systems (up to 12 channels), additional ADUs can be cascaded.

Product code: S5-ADU



### WD-4800 Antenna Distributor

Is designed to be used in conjunction with VHF/UHF band systems. It comes with 2 channels, in which 2 input signals are mixed and distributed to 4 outputs. The WD-4800 also has 4 DC power distribution outputs.

Product code: WD-4800



### S4.16 Head Amplifier

An RF amplifier specifically designed to be used with 10-20 metre length cable runs of RG58/URM43 connecting to remote antennae.

Product code: ACC-S4.16HA



### The Passive Antenna Splitter

Allows 1 x RF feed to be split in order to feed 2 outputs. Connector: TNC type. Isolation: 25dB  
Insertion Loss: 5dB. Frequency Range: 500MHz-1GHz  
Product code: ACC-SPLIT-2W

## Remote Antenna



### UHF Paddle Antenna

UHF directional antenna, active and passive models available.

Frequency range: 470-870 MHz

Connector: TNC

Net Weight: 400g

Product code:

ANT-UHF-PADA (Active)

ANT-UHF-PADP (Passive)



### UHF Ground Plane Antenna

50 ohm UHF ground plane antenna, with omnidirectional coverage. Terminated with a female N-type connector and mountable to a stand using kit supplied.

Product code:

ANT-UHF-GP694B (606-782 MHz)

ANT-UHF-GP830B (798-865 MHz)



### UHF Reflecting Dipole Antenna

Terminated with a female N-Type connector. Supplied with spring clamps for attaching to fences, trees etc.

Product code:

ANT-6000RD694B

(606-782 MHz)

ANT-6000RD830B

(798-865 MHz)



### UHF Wall Mount Antenna

Cable loss can be compensated for by a built-in RF signal booster. The YW-4500 is a dipole antenna designed to be installed indoors.

Product code:

YW-4500

## Receiver Antenna



### Receiver Antenna

For S4.16 receiver & Racked'n'Ready series.  
Product codes: ANT-S4.16 RX-D (830-865 MHz)  
ANT-S4.16 RX-G (606-638 MHz)



### Receiver Antenna

For S5.3 & S5.5.  
Product codes: ANT-S5 RX-D (830-865 MHz)  
ANT-S5 RX-G (606-638 MHz)

## Transmitter Antenna



### Whip Antenna

For S4 & S5 Series UHF belt-pack transmitters.  
Product codes:  
ANT-54 BTX-D (830-865 MHz)  
ANT-54 BTX-G (606-638 MHz)



### Helical Antenna

For S4.4 & S4.16 UHF hand-held transmitters.  
Product codes:  
ANT-54 HDX-D (830-865 MHz)  
ANT-54 HDX-G (606-638 MHz)

## Power Supplies



### UK Power Supply for S4/S5 Series Receiver

Output 13V DC 300mA.  
Product code: PS-S115-UK



### European Power Supply for S4/S5 Series Receiver

Output 13V DC 300mA.  
Product code: PS-S115-EU



### Power Supply for S4/S5 Series Receiver

30 Watt, 15 VDC (2A). For use with our 5 way splitter cable.  
Product code: PS-RACK-PDU



### 5 Way Splitter Cable

5 way link cable allowing you to connect multiple receivers together.  
Product code: LD-DC-5WAY



### DC Extension Cable 1.4m

Product code: LD-DC-EXT

## Antenna Cables



### N Type - BNC Antenna Extension Cable

Using low loss (2dB/10m) RG213 50 ohm coaxial cable. Available in the following pre-made lengths: 37cm, 5m & 10m  
Product code:  
37cm: LD-BNC-N-37  
5m: LD-BNC-N-5M  
10m: LD-BNC-N-10M



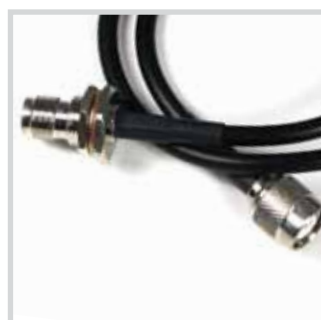
### TNC - BNC ADU Link Cable

Using RG58 50ohm coaxial cable. Available in 60cms lengths.  
Product code: LD-BNC-BNC



### BNC - TNC Antenna Extension Cable

Using RG58 (5dB/10m) 50 ohm coaxial cable. Available in the following pre-made lengths: 37cm, 5m & 10m  
Product code:  
37cm: LD-BNC-BNC-37  
10m: LD-BNC-BNC-10M



### S4 & S5 Series Antenna Extension Cable

Using BNC Panel Mount Socket – BNC Plug with 35cm RG58 50 ohm coaxial cable.  
Product code: LD-S5-ANT



### S4 Series Antenna Extension Cable

BNC panel mount socket BNC plug using 35cms RG58 50ohm coaxial cable.  
Product code:  
LD-S5-ANT-BNC

## Instrument Cables



### Guitar Cable for use with S4.4 & S4.16 Series

Instrument cable terminated with 3.5mm Screw Jack – 6.3mm Mono Jack Plug, 1.3m length.  
Product code: LD-SJ-JAC



### Guitar Cable for use with S5.3 & S5.5 Series

Instrument cable terminated with 4 pin mini XLR (TA-4) – 6.3mm Mono Jack Plug, 1.3m length.  
Product code: LD-X-JAC

# Rackmount Kits



## 1U, 19" Rack Tray for Two Receivers

Suitable for S4.4 & S4.16 products.  
Product code: ACC-S4.16RK



## 1U, 1/2Width 19" Rack Tray for One Receiver

Suitable for S4.4 & S4.16 products.  
Product code: ACC-S4.16HWRK



## 1U, 1/2Width 19" Blank Panel for S4.16 Rack Tray

Product code: ACC-S4.16HWRK



## 1U, 19" Rack Mount Kit for S5 Receiver

This kit will enable you to mount 1 x S5 receiver in a 1U, 19" rack space.  
Product code: ACC-S5RX-MB1



## 1U, 19" Rack Mount Kit for S5 Receiver

This kit will enable you to mount 2 x S5 receivers side by side.  
Product code: ACC-S5RX-MB2



## 1U, 19" Rack Mount Kit for S5 Receiver

This kit will enable you to mount 1 x S5 receiver in a 1U, 19" rack space.  
Product code: ACC-S5RX-MB1



## 1U, 19" TNC Rack Mount Panel

For mounting 2x TNC panel mount sockets.  
Product code: PAN-1U19-TNC



## 1U, 19" Blank Panel

Product code: MW-1U-BLANK

# Rack Drawer



## 2U Rack Drawer

Drawer for storage, provided with a lock and key.  
Product codes: HA2URD10

## Microphone Windshields



**Foam Windshield  
for LM-55**

Product code: ACC-5200WS



**Foam Windshield  
for HM-55**

Product code: ACC-33WS



**Foam Windshield  
for LM-55**

Product code: ACC-66WS



**Foam Windshield  
for HM-55**

Product code: ACC-WS-BGE



**Foam Windshield  
for LM-55**

Product code: ACC-WS-BLK

## Tie Clips



**Spare Tie Clip  
for LP-2**

Product code: ACC-LP2-TC



**Spare Tie Clip  
for LM-55**

Product code: ACC-5200-TC



**Spare Tie Clip  
for HM-22P & LM-212**

Product code: ACC-TC-BGE



**Spare Tie Clip  
for LM-55**

Product code: ACC-5200-TC

## Connectors



**3.5mm Screw Jack  
Connector**

Product code: PLG-LMJP



**4 Pin Mini XLR  
Connector (TA-4)**

Product code: PLG-MXLR

## Aerobic Belt



### Neoprene Aerobic Belt

Suitable for S4 Series  
beltpack transmitters.  
Product code: ACC-AB1000

## Leather Belt Pouch



### Fits S5 Beltpacks

Added protection for your  
beltpack with this long-lasting  
protective leather pouch.  
Product code:  
ACC-S5-POUCH

## Microphone Clip



### ABS Microphone Clip

for microphone stand.  
Product code: ACC-MCLIP

## Microphone Stand



### Microphone Stand

for microphone stand.  
Product code: ACC-MCLIP

## Trantec Cases



*Contents not included*

### ABS Carry Case

Internal foam has been pre-cut to hold either S4 or S5  
wireless systems.  
Product code: ACC-CASEA



### 4U, 19" Professional Flight Case

7mm birch ply, finished in black hexagrip. 330mm sleeve with  
butterfly catches & recess handles fitted as standard.  
Product code: ACC-4U-CASE

### 5U, 19" Professional Flight Case

7mm birch ply, finished in black hexagrip. 330mm sleeve with  
butterfly catches & recess handles fitted as standard.  
Product code: ACC-5U-CASE

### 6U, 19" Professional Flight Case

7mm birch ply, finished in black hexagrip. 330mm sleeve with  
butterfly catches & recess handles fitted as standard.  
Product code: ACC-6U-CASE

### 8U, 19" Professional Flight Case

7mm birch ply, finished in black hexagrip. 330mm sleeve with  
butterfly catches & recess handles fitted as standard.  
Product code: ACC-8U-CASE

*Custom Cases available on request*

# HINTS & TIPS

## Glossary

### ADU

Abbreviation for Antenna Distribution Unit

### Channel 38

A recently introduced frequency channel dedicated to UHF Wireless Systems

### Channel 70

A licence free frequency band available for UHF Wireless Systems

### Condenser Microphone

These microphones produce a crisper, more defined sound & are better at capturing subtle details of delicate voices & instruments. They also require power to operate, which is supplied by the battery in a handheld wireless transmitter.

### Dynamic Microphone

These are resilient microphone elements with great sound and is ideal for rugged regular use.

### Cardoid

Microphones pick up sound from the front and side of the microphone & reduces the chances of any feedback.

### Omni Directional

Microphones are sensitive and pick up sound from all direction, often a feature with lavalier microphones.

### RF

Abbreviation for Radio Frequency

### SPL

Abbreviation for Sound Pressure Level

### Squelch

The function which silences the unwanted background noise from your wireless system.

## Squelch/RSSI Set Up

### STEP ONE

*Turn off the transmitter and make note of any interference that is present by monitoring the receiver RF bar graph or audio output.*

### STEP TWO

*Turn the squelch control clockwise until the interference disappears. In extreme cases it may not be possible to remove the unwanted interference and in this case it is recommended you try an alternative channel*

**NOTE:** The Squelch Control affects the operating range of the system & with the squelch set to maximum, the range will be significantly reduced.

## How to properly set the wireless “gain”

### STEP ONE

*Disconnect the wireless receiver from your mixing console or PA System*

### STEP TWO

*Set your transmitter signal so you have strong signal without clipping. If the signal is too low the result will be an increase in background noise. Adjust this control to achieve the best signal quality*

### STEP THREE

*Connect your wireless receiver to your mixer or PA System and adjust the input gain to the appropriate level*

## Useful Websites

[www.toa.jp/wirelessmic](http://www.toa.jp/wirelessmic)

[www.trantec.co.uk](http://www.trantec.co.uk)

[www.arqiva.com](http://www.arqiva.com) (Formely [www.jfmg.co.uk](http://www.jfmg.co.uk))

[www.beirg.co.uk](http://www.beirg.co.uk) (British Entertainment Industry Radio Group)



# Channel & Frequency Allocation

CHANNEL	21	22	23	24	25	26	27	28	29	30
Freq Range	470-478 MHz	478-486 MHz	486-494 MHz	494-502 MHz	502-510 MHz	510-518 MHz	518-526 MHz	526-534 MHz	534-542 MHz	542-550 MHz
CHANNEL	31	32	33	34	35	36	37	38	39	40
Freq Range	550-558 MHz	558-566 MHz	566-574 MHz	574-582 MHz	582-590 MHz	590-598 MHz	598-606 MHz	606-614 MHz	614-622 MHz	622-630 MHz
CHANNEL	41	42	43	44	45	46	47	48	49	50
Freq Range	630-638 MHz	638-646 MHz	646-654 MHz	654-662 MHz	662-670 MHz	670-678 MHz	678-686 MHz	686-694 MHz	694-702 MHz	702-710 MHz
CHANNEL	51	52	53	54	55	56	57	58	59	60
Freq Range	710-718 MHz	718-726 MHz	726-734 MHz	734-742 MHz	742-750 MHz	750-758 MHz	758-766 MHz	766-774 MHz	774-782 MHz	782-790 MHz
CHANNEL	70									
Freq Range	863-865 MHz									



Channels 21 – 30 - PMSE is interleaved with TV transmissions throughout the UK.



Channels 31 – 37 (600 MHz band) Ofcom has announced that new services will be launched in these channels but that PMSE will continue to have access. Longer term decisions about access to these channels will be made during the 2015 WRC.



Channels 38 - PMSE access to Channel 38 between 606.5 MHz and 613.5 MHz remains.



Channels 39 – 48 - PMSE is interleaved with TV transmissions throughout the UK.



Channels 49 – 60 (700 MHz band) - PMSE is interleaved with TV transmissions throughout the UK however this band of spectrum is being reviewed. Long term access may cease to make way for other services. Decisions around access to these channels will be made during the 2015 WRC.



Channels 70 - PMSE access remains unchanged. 863-865 MHz is still available as licensed exempt spectrum.

## Frequency Options

### LICENCE FREE OPTION

#### CHANNEL 70

##### 863—865MHz

Channel 70 is a licence free frequency range which can be used with the **S4.4 SERIES**.

Please note, because this is a licence free band, you may encounter interference from other sources (4G mobile services).

### LICENCED OPTIONS

#### CHANNEL 38

##### 606—614MHz

Channel 38 is a licenced frequency range which can be purchased for £75 per year from [www.argiva.com](http://www.argiva.com) (formerly [www.jfmg.co.uk](http://www.jfmg.co.uk)). Trantec provide several systems in channel 38 including the **S4.16 SERIES, S5.3 SERIES & S5.5 SERIES**.

#### CHANNEL 39-60

##### 614—790MHz

Channels 39-60 provide a range of limited frequencies, these frequencies are available across select locations and do require a licence. More information can be found on [www.argiva.com](http://www.argiva.com) (formerly [www.jfmg.co.uk](http://www.jfmg.co.uk)).

### RESTRICTED FREQUENCIES

#### CHANNEL 61-69



##### 790—862MHz

Channels 61-69 are no longer permitted frequencies, using these channels could lead to a fine as well as imprisonment.



S4.4



S4.16



### Specifications

<b>License Free Channels 863-865MHz</b>	4	4	
<b>Channels in D Band 830-865MHz</b>	4	12	
<b>Channels in G Band 606-638MHz</b>		8	
<b>total number of channels</b>	4	16	
<b>Channel Selection</b>	4 Pre set	16 pre set	
<b>Operational range</b>	100M	100M	
<b>Handheld RF power</b>	10mW	10mW	
<b>Belt pack RF power</b>	10mW	10mW	
<b>Audio Quality (dynamic range)</b>	>95dB	>95dB	
<b>Audio Quality (frequency response)</b>	100Hz-15KHz	100Hz-15KHz	
<b>Remote antenna options</b>	No	Yes	
<b>Rack mountable</b>	Yes	Yes	
<b>Condenser handheld capsule</b>	Optional	Optional	
<b>Dynamic handheld capsule</b>	Standard	Standard	
<b>Handheld construction</b>	Plastic	Plastic	
<b>Belt-pack construction</b>	Plastic	Plastic	
<b>Price Handheld system</b>	£200.13	£363.01	
<b>Price Belt-pack system</b>	£200.13	£363.01	

### Ideal Applications

Schools



Schools



Small TH



Churches



Churches



Live Mu





S5.3	S5.5	Comments
4	4	ISM Frequency band. Intermod free.
12	24	Intermod free channels. TV Channel 70
12	24	Intermod free channels. TV Channel 38
12	24	S5 series can be set to any frequency on 25KHz grid in band
440 Channels	1140 Channels	S5 sets in 10 banks up to 1,280 selectable frequencies
100M	100M	Line of sight outdoors
10mW	10mW	
<30mW	<30mW	
>110dB	>110dB	
50Hz-20KHz	50Hz-20KHz	
Yes	Yes	S5 Provides phantom power
Yes	Yes	S4 mounts 2 on one 19" shelf. S5 has ears and joining bars
Optional	Optional	
Standard	Standard	
Metal	Metal	
Metal	Metal	
£628.74	£880.74	Includes vat
£628.74	£880.74	Includes vat

theatre



Large Theatre



music



Hire Companies



### FREQUENCY & TV CHANNEL DETAILS

MODEL NO.	FREQ RANGE	BAND/CHANNEL
S4.4H-EA-UK	863-865MHz	License free
S4.4L-EA-UK	863-865MHz	License free
S4.16H-EA-UK	854-865MHz	D1 Band/ <b>CH70</b>
S4.16L-EA-UK	854-865MHz	D1 Band/ <b>CH70</b>
S4.16H-G3-UK	606-614MHz	G3 Band/ <b>CH38</b>
S4.16L-G3-UK	606-614MHz	G3 Band/ <b>CH38</b>
S5.3-HD-D2U	854-865MHz	D2 Band/ <b>CH70</b>
S5.3-L-D2U	854-865MHz	D2 Band/ <b>CH70</b>
S5.3-HD-G2U	606-622MHz	G2 Band/ <b>CH38 - 40</b>
S5.3-L-G2U	606-622MHz	G2 Band/ <b>CH38 - 40</b>
S5.5-HD-D3U	830-865MHz	D3 Band/ <b>CH70</b>
S5.5-L-D3U	830-865MHz	D3 Band/ <b>CH70</b>
S5.5-HD-G3U	606-638MHz	G3 Band/ <b>CH 38 - 40</b>
S5.5-L-G3U	606-638MHz	G3 Band/ <b>CH 38 - 40</b>



**Trantec HQ3, Unit 2**  
**Hook Rise South,**  
**Surbiton, Surrey**  
**KT6 7LD. U.K**

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