



## Speaker and Microphone Pod System

STS-K071

This entry level speech transfer system provides high quality sound across partitions and safety screens, featuring speaker and microphone pods which can be either free standing or surface mounted. Our open duplex amplifier and mouse microphone are included.

It is an affordable system suitable for environments with low ambient noise.

### Components

- Speech Transfer Amplifier [STS-A31H]
- Mouse Microphone [STS-M70-1]
- Staff Loudspeaker Pod [STS-SU2]
- Speaker Pod [STS-S70]
- PS-55 Power Supply [PS-55-01]

### Optional Extras

- Hearing Loop Aerial [IL-AE99]
- Supaloop Aerial [IL-AE97-00]
- Larger base available upon request

### Physical Data (boxed)

Dimensions	Height – 310mm (12.2") Width – 310mm (12.2") Depth – 160mm (6.2")
Construction	ABS Plastic
Finish	Black RAL 9005

### Applications

For use where one to one communication takes place through a safety screen:

- Nursing/Care Homes
- Hospitals/Health Clinics/Surgeries
- Reception Counters
- Banks
- Retail Stores

### Standards

- CE, ROHS and WEEE compliant
- EN 55032:2015 compliant
- EN 55103-2:2009 compliant

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## Physical and Technical Data (Individual Parts)

Component	Physical Data	Technical Data		
Speech Transfer Amplifier	Dimensions: Height - 116mm (4.57") Width - 115mm (4.53") Depth - 40mm (1.57")  Weight: 100g (0.22lbs)  Construction: ABS Plastic  Finish: Matt Black Fine Texture	Supply Voltage	12-14 VDC	
		Quiescent Current	100mA typical	
		Operating Current	2A typical on speech peaks	
		Power Switch	Push on - push off (tact switch under membrane)	
		Microphones	Electret, supply 5V via 2.2K load resistor	
		Speaker Output Power	RMS: 2.5W / 8 Ω 4.4W / 4 Ω	
		Loop Drive Compliance	Constant current, bounded by 4V RMS & 2A RMS	
		Total Harmonic Distortion	<5% (loop and speakers)	
PS-55 Power Supply	Dimensions: Height - 93mm (3.66") Width - 49mm (1.93") Depth - 36mm (1.42") Cable length: 1.8m (70.87")  Weight: 180g (0.39lbs)  Construction: ABS Case  Finish: Black	Input	100-240V 50-60Hz 1A max	
		Output	14V 2.14A 30W max	
Staff Loudspeaker Pod	Dimensions: Diameter – 110mm (4.3") Height – 30mm (1.18")  Weight: 105g (0.23lbs)  Finish: Black RAL 9005	Speaker	RMS	5W
			Impedance	4Ω
			Output	SPL 1W @ 1M 85dB
			Frequency Response	150Hz - 10300Hz
		Microphone	Directional Response	Cardioid
			Frequency Response	150Hz - 10500Hz
			Sensitivity	49.5dB+ 2dB @ 1kHz
			Impedance	1.6K Ohms+ 3-% @ 1kHz
Speaker Pod	Dimensions: Diameter – 110mm (4.3") Height – 330mm (12.9")  Construction: ABS Plastic  Finish: Black RAL 9005	RMS	5W	
		Impedance	4Ω	
		Output	SPL 1W @ 1M 85dB	
		Frequency Response	150Hz - 10300Hz	
Mouse Microphone	Dimensions: Height – 12mm (0.49") Width – 24mm (0.97") Length – 25mm (0.98") Cable Length – 2m  Weight – 26g (0.57lbs)  Construction: ABS Plastic  Finish: Black Textured Powder Coated	Directional Response	Omni-Directional	
		Frequency Response	70Hz - 20kHz	
		Sensitivity	-46dBv @ 1kHz	
		Distortion	Typically less than 1%	