



## Speaker Pod and Screen Mounted Microphone System

STS-K072

This entry level window intercom system provides high quality sound across partitions and safety screens. It features staff-side speaker and microphone pods which can be either free standing or surface mounted. Our open duplex amplifier and customer-side glass mounted microphone are included.

It is an affordable system suitable for a wide variety of environments.

### Components

- Speech Transfer Amplifier [STS-A31H]
- Screen Mounted Microphone with Bent Stem [STS-M14-BENT-B]
- 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

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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 – 38mm (1.50")  Construction: ABS Plastic  Finish: Black RAL 9005	Speaker	RMS	5W
			Impedance	4Ω
			Output	SPL 1W @ 1M 85dB
		Microphone	Frequency Response	150Hz - 10300Hz
			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 – 38mm (1.50")  Construction: ABS Plastic  Finish: Black RAL 9005	RMS	5W	
		Impedance	4Ω	
		Output	SPL 1W @ 1M 85dB	
		Frequency Response	150Hz - 10300Hz	
Screen Mounted Microphone with Bent Stem	Dimensions: Height – 330mm (12.9") Width – 200mm (7.87") Depth – 25mm (0.98")  Weight – 105g (0.23lbs)  Construction: Mild Steel  Finish: Black	Directional Response	Cardioid	
		Frequency Response	70Hz - 10300Hz	
		Sensitivity	-47 ±3dB @ 1kHz	
		Impedance	680 Ohms +/- @ 1kHz	

## Standards

- Induction loop performance compliant with BS EN60118-4 (when correctly installed)

## Legislation

Directive Number	Directive Title
2014/35/EU	Low Voltage Directive (LED)
2012/19-EU	Waste Electrical & Electronic Equipment (WEEE) Directive
(EU) 2015/863	RoHS III Directive