



Speech System with Bent Screen-Mounted Microphone

STS-K058

Our speech transfer systems provide assistance for clear communication where normal speech is impaired by use of glass, a security screen or other similar barriers.

This kit features a bent vandal-proof glass mounted microphone for the customer side, along with a free standing microphone unit.

There is also a hearing loop facility included with this system which provides additional assistance for hearing aid wearers.

Components

- Amplifier [STS-A31]
- Screen Mounted Microphone with Bent Stem [STS-M14-BENT]
- Freestanding Staff Microphone [STS-SU1-G]
- Free-Standing Customer Speaker Unit [STS-S60]
- Hearing Loop Aerial [IL-AE99]

Physical Data (boxed)

Dimensions	Height - 300mm (11.82) Width - 310mm (12.2") Depth - 160mm (6.22)
Weight	2.8kg (6.17lbs)
Construction	Various
Finish	Various

Applications

For use in any situation where one to one communication takes place at a counter, booth or desk, through glass, such as in:

- Banks
- Post offices
- Theatres
- Information Centres
- Airports

Standards

- CE, ROHS and WEEE compliant
- Complies with IEC60118.4 with correct installation

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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)	
Staff Loudspeaker Unit	Dimensions: Height - 370mm (6.30") Width - 95mm (2.76") Depth - 150mm (3.94") Weight: 820g (1.80lbs) Construction: Mild Steel Finish: Grey Powder Coated Leatherette Black Textured Powder Coated	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
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	
		RMS	5W	
		Impedance	4Ω	
Surface Mounted Speaker	Dimensions: Height - 110mm (4.33") Width - 60mm (2.36") Depth - 75mm (2.95") Weight: 550g (1.21lbs) Construction: Mild Steel Finish: Grey Powder Coated Leatherette	Output	SPL 1W @ 1M 85dB	
		Frequency Response	150Hz - 10300Hz	
		Directional Response	Cardioid	
		Frequency Response	70Hz - 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	Sensitivity	-47 ±3dB @ 1kHz	
		Impedance	680 Ohms +/- @ 1KHz	