



## Surface Mounted Speaker & Anti-Vandal Mic System

STS-K064

This speech transfer system features a screen mounted microphone and overhead speaker for the customer side, along with a combined microphone and loudspeaker unit for the staff side. It also includes our open duplex amplifier, signage, and a hearing loop.

### Components

- Speech Transfer Amplifier [STS-A31H]
- Anti-Vandal Microphone [STS-M14-300]
- Staff Loudspeaker Unit [STS-SU1]
- Surface Mounted Overhead Speaker [STS-S23-G]
- Counter Hearing Loop Aerial [IL-AE99]
- Fixed Loop Sign [IL-SN01]
- PS-55 Power Supply [PS-55-01]

### Physical Data (boxed)

Dimensions	Height – 130mm (5.11") Width – 380mm (14.96") Depth – 320mm (12.59")
Construction	Stainless Steel
	Mild Steel
	ABS Plastic
Finish	Grey Powder Coated Leatherette
	RAL 9006 Powder Coated Semi Gloss
	Black Textured Powder Coated

### Applications

For use where one to one communication takes place at a counter or booth with a security screen:

- Banks
- Post Offices
- Ticket Kiosks
- Information Centres
- Airports
- Supermarkets/Checkouts
- Pharmacies

### Standards

- BS EN 60118-4 in correct installations
- 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 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
Anti-Vandal Microphone	Diameter: 30mm (1.2") Stem: 300mm (11.8")  Weight: 0.5kg (1.1lbs) Construction: Aluminium Finish: Silver Anodised	Directional Response	Cardioid	
		Frequency Response	70Hz - 10300Hz	
		Sensitivity	-47 ±3dB @ 1kHz	
		Impedance	680 Ohms +/- @ 1KHz	
Surface Mounted Overhead Speaker	Dimensions: Height - 83mm (3.26") Width - 102mm (4.01") Depth - 90mm (3.54")  Weight: 510g (1.12lbs) Construction: Mild Steel Finish: Powder Coated RAL9006 Semi Gloss	RMS	5W	
		Impedance	4Ω	
		Output	SPL 1W @ 1m 85dB	
		Frequency Response	150Hz - 10300Hz	
Counter Hearing Loop Aerial	Dimensions: Can be moulded on site to required size/shape by installers Weight: 100g (0.22lbs) Construction: Copper Wire with Black Protective Covering Finish: Black PVC			