



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			