



STS-K071

Speech Transfer System and Hearing Loop



The STS-K071 Speech Transfer System is an entry level kit that provides high quality sound across partitions and safety screens, featuring a customer speaker pod that can be free standing or surface mounted and a staff loudspeaker pod.

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

Components:

- › STS-A31H, Speech Transfer Amplifier
- › STS-M70, Customer Mouse Microphone
- › STS-S70, Customer Speaker Pod
- › STS-SU2, Staff Loudspeaker Pod
- › PS-55, Power Supply

Optional Accessories:

- › IL-AE99, Under the Counter Hearing Loop Aerial
- › Larger Base available upon request

Physical Data (boxed)

Dimensions	Height – 12.20" Width – 12.20" Depth – 6.20"
Construction	ABS Plastic
Finish Options	Black RAL 9005



Applications

Suitable for environments with low ambient noise such as:

- › Nursing or Retirement Homes
- › Hospitals
- › 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)

Components	Physical Data	Technical Data	
STS A31 Hearing Loop and Duplex Audio Communication Amplifier	Dimensions: Height - 4.58" Width - 4.50" Depth - 1.58" Weight: 0.32lbs Construction: ABS Plastic Housing 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 & 3A RMS
		Total Harmonic Distortion	<5% (loop and speakers)
STS-M70 Mouse Microphone	Dimensions: Height - 0.49" Width - .097" Depth- 0.98" Cable Length - 6.56ft	Directional Response	Omni Directional
		Sensitivity	-46dB @ 1kHz
		Distortion	Typically less than 1%
		Frequency Response	70Hz - 20kHz
STS-S70 Speaker Pod	Dimensions: Diameter - 4.30" Height - 1.50"* *without inclination bracket 2 Inclination Bracket sizes available 30 or 50 degrees. 30 degree bracket comes standard with kit.	RMS	5W
		Impedance	4 Ω
		Frequency Response	150Hz - 10300Hz
		Output	SPL 1W @ 1M 85dB
STS-SU2 Staff Loudspeaker Pod	Dimensions: Diameter - 4.30" Speaker Pod Height - 1.50"* *without inclination bracket 2 Inclination Bracket sizes available 30 or 50 degrees. 30 degree bracket comes standard with kit.	Speaker	
		RMS	5W
		Impedance	4 Ω
		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 - 1.42" Width - 1.93" Depth - 3.66" Cable length: 70.87" Weight: 0.51lbs Construction: ABS Case Finish: Black	Input	100-240V 50-60Hz 1A max
		Output	14V 2.14A 30W max