



# STS-K070

## Speech Transfer System and Hearing Loop



The STS-K070 Speech Transfer System is an entry level kit that provides high quality sound across partitions and safety screens, featuring dual speaker pods that can be free standing or surface mounted.

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

### Components:

- › STS-A31H, Speech Transfer Amplifier
- › STS-M70, Mouse Microphone x2
- › STS-S70, Speaker Pod x2
- › 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	
<b>STS A31</b> 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)
<b>STS-M70</b> 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
<b>STS-S70</b> 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
<b>PS-55</b> 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