

# STS-K072

## Speech Transfer System and Hearing Loop



The STS-K072 Speech Transfer System is an entry level kit that provides high quality sound across partitions and safety screens. The kit features a customer speaker pod and screen mounted microphone and a staff loudspeaker pod.

It is an affordable system suitable for a wide variety environments.

### Components:

- › STS-A31H, Speech Transfer Amplifier
- › STS-M14-BENT-B, Customer Screen Mounted 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 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-M14-BENT-B</b> Microphone	Dimensions: Height - 12.90" Width - 7.87" Depth - 0.98"  Weight - 0.23lbs	Directional Response	Cardioid
		Sensitivity	-47dB @ 1kHz
		Impedance	680 Ohms +/- @1kHz
		Frequency Response	70Hz - 10300kHz
<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>STS-SU2</b> 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.	<b>Speaker</b>	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 10300Hz
		<b>Microphone</b>	
		Directional Response	Cardioid
		Frequency Response	150Hz - 10500Hz
		Sensitivity	49.5dB+ 2dB @ 1kHz
Impedance	1.6K Ohms+ 3-% @ 1kHz		
<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