



## Curved Microphone System

This speech transfer system features individual speaker and microphone units for the customer-side. It includes our open duplex amplifier, a hearing loop, and a free-standing staff microphone and speaker unit. It is a low space solution ideal for a variety of environments, whatever the ambient noise conditions.

### Components

- Speech Transfer Amplifier [STS-A31H]
- Half Bridge Bar Unit with Microphone [STS-B94-LH-B/G] [STS-B94-RH-B/G]
- Staff Loudspeaker Unit [STS-SU1-G/B]
- PS-55 Power Supply [PS-55-01]
- Counter Hearing Loop Aerial [IL-AE99]

### Physical Data (boxed)

|              |  |
|--------------|--|
| Dimensions   | Height – 160mm (6.29")<br>Width – 310mm (12.20")<br>Depth – 300mm (11.81") |
| Weight       | 2.62kg (5.77lbs)   |
| Construction | Mild Steel   |
|              | ABS Plastic  |
| Finish       | Grey Powder Coated Leatherette   |
|              | Black Textured Powder Coated   |

STS-K035-B / STS-K035-G-LH  
STS-K035-B-RH / STS-K035-G-RH

### 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

### 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:<br>Height - 116mm (4.57")<br>Width - 115mm (4.53")<br>Depth - 40mm (1.57")<br><br>Weight: 100g (0.22lbs)<br><br>Construction: ABS Plastic<br><br>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:<br>Height - 93mm (3.66")<br>Width - 49mm (1.93")<br>Depth - 36mm (1.42")<br><br>Cable length: 1.8m (70.87")<br><br>Weight: 180g (0.39lbs)<br><br>Construction: ABS Case<br><br>Finish: Black                                | Input                     | 100-240V 50-60Hz 1A max                         |                          |
|                                      |   | Output                    | 14V 2.14A 30W max                               |                          |
| Staff Loudspeaker Unit               | Dimensions:<br>Height - 70mm (2.76")<br>Width - 100mm (3.94")<br>Depth - 160mm (6.30")<br><br>Weight: 850g (1.87lbs)<br><br>Construction: Mild Steel<br><br>Finish:<br>Grey Powder Coated Leatherette<br>Black Textured Powder Coated   | RMS                       | 5W  |                          |
|                                      |   | Impedance                 | 4 Ω   |                          |
|                                      |   | Output                    | SPL 1W @ 1M 85dB                                |                          |
|                                      |   | Frequency Response        | 150Hz - 10300Hz                                 |                          |
| Half Bridge Bar Unit with Microphone | Dimensions:<br>Height - 240mm (9.44")<br>Width - 280mm (11.02")<br>Depth - 130mm (5.11")<br><br>Weight: 757g (1.67lbs)<br><br>Construction: Mild Steel<br><br>Finish:<br>Grey Powder Coated Leatherette<br>Black Textured Powder Coated | Speaker                   | RMS   | 5W                       |
|                                      |   |                           | Impedance                                       | 4Ω                       |
|                                      |   |                           | Output  | SPL 1W @ 1M 85dB         |
|                                      |   |                           | Frequency Response                              | 150Hz - 11000Hz          |
|                                      |   | Microphone                | Directional Response                            | Cardioid                 |
|                                      |   |                           | Frequency Response                              | 70Hz - 14000Hz           |
|                                      |   |                           | Sensitivity                                     | -67dB +/- 3dB @ 1kHz     |
|                                      |   |                           | Impedance                                       | 1.6K Ohms +/- 30% @ 1KHz |
| Counter Hearing Loop Aerial          | Dimensions:<br>To be moulded on site to required size/ shape by installers.<br><br>Weight: 100g (0.22lbs)<br><br>Construction: Copper Wire with Black Protective Covering<br><br>Finish: Black  |                           |   |                          |