# Speech Transfer Amplifier

**STS-A31H-02**

Our amplifier provides full open duplex communication and is compatible with all of our speech transfer products.

**Note**: PS-55 Power Supply sold separately.

## Applications

For use in any situation where one to one communication takes place at a counter, booth or desk, through glass, such as in:

- Banks
- Post offices
- Theatres
- Information Centres
- Airports

## Features

- Energy-saving "green" standby mode is automatically used, achieving a power saving of up to 80%
- Constant-current loop drive (with engineer adjustable loop drive level)
- Isolated audio line input / output allows additional ohmically isolated line level audio input or output to recording system (factory options, not available together)
- LED column indicator aids adjustments and indicates power and status
- Continuous self-testing means that no specialized equipment is required to confirm functionality
- DC Power: 2.1mm DC jack
- Power and status indication: Green/red LED columnk
- Line OUT

Talk to us now:
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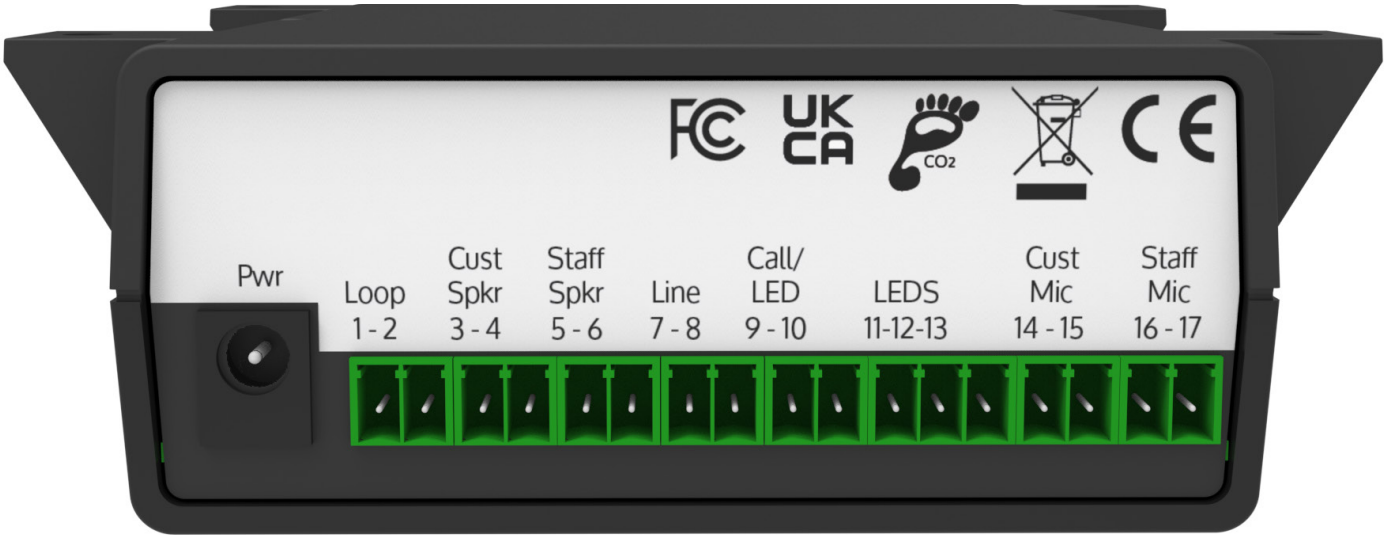
## Physical Data

| | |
|---|---|
| Dimensions | Height - 116mm (4.57")<br>Width - 115mm (4.53")<br>Depth - 40mm (1.57") |
| Weight | 100g (0.22lbs) |
| Construction | ABS Plastic |
| Finish Options | Matt Black Fine Texture |

## Technical Data

| | |
|---|---|
| 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 2.2KΩ load resistor |
| Speaker Output Power | RMS: 2.5W / 8Ω, 4.4W / 4Ω |
| Loop Drive Compliance | Constant current, bounded by 4V RMS & 3A RMS |
| Total Harmonic Distortion | <5% (loop and speakers) |

## Rear Connections



## Standards

- Induction loop performance compliant with BS EN60118-4 (when correctly installed)

This product has been designed and tested to comply with the following North American and Canadian standards:

- FCC class "B" EMC (emissions)
- ICES-003

## Legislation

| Directive Number | Directive Title |
|---|---|
| 2014/30/EU | The Electromagnetic Compatibility Directive |
| Test Standards: | EN 55032:2015, A11 2020 |
| | > EN55016-2-1:2014 |
| | > EN55016-2-3:2010 A1 2010 a2 2014 |
| | EN 55103-2:2009 |
| | > EN61000-4-2:2009 |
| | > EN61000-4-3:2006 A1 2008 A2 2010 |
| | > EN61000-4-4:2012 |
| | > EN61000-4-5:2014 A1 2017 |
| | > EN61000-4-6:2014 |
| | > EN61000-4-11:2004 A1 2017 |
| | EN61000-3-2:2019 |
| | EN61000-3-3:2013 |
| 2014/35/EU | Low Voltage Directive (LED) |
| 2012/19-EU | Waste Electrical & Electronic Equipment (WEEE) Directive |
| 2011/863/EU | The Restriction of Hazardous Substances Directive |