This intercom has been designed using the latest CAD software and using quality components and is housed in a rugged aluminum case which is supplied with mounting brackets for a more secure fixing to the vehicle. The intercom has standard Molex connectors to allow easy connection to the unit, and to allow easy cable replacements. All our intercom systems can come as a kit with all cables, speakers and microphones for a hassle free installation. Custom interface panels can also be manufactured to your requirements with optional speakers available. Please contact us to discuss.

This intercom operates in full duplex mode that allows simultaneous communication between the front and rear of a vehicle via a PTT function. At the flick of a switch this intercom can stop using both PTT buttons allowing simultaneous communication without the need of the PTT button.

**OTHER OPTIONS FOR MODES OF OPERATION**

**Part No 0600-504 FULL DUPLEX INTERCOM WITH ON OFF SWITCH**

Allows simultaneous communication between 2 users with a PTT function. An Intercom mode switch is supplied to allow the intercom to be used without the need of a PTT button. An on/off switch is also supplied for when the intercom is not used.

**Part No 0600-501 FRONT TO REAR CELL INTERCOM**

User in the front of a vehicle can permanently listen to the rear of the vehicle, but has the option of talking back using the PTT. Ideal for the safe monitoring of cells in the rear of a police vehicle.

**Part No 0600-502 HALF DUPLEX INTERCOM**

Half Duplex PTT intercom system which can be used in many different vehicles where excellent communication is required between users i.e. Taxi, Limousines, Ambulances, Police vehicles etc.
# Technical Specifications

<table>
<thead>
<tr>
<th>Part No</th>
<th>0600-501</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Data</strong></td>
<td></td>
</tr>
<tr>
<td>Voltage (V)</td>
<td>13.8V</td>
</tr>
<tr>
<td>Quiescent Current (A)</td>
<td>0.1</td>
</tr>
<tr>
<td>Max Current (A)</td>
<td>1</td>
</tr>
<tr>
<td>Audio Output Power (W)</td>
<td>14W</td>
</tr>
<tr>
<td>Crosstalk (dB)</td>
<td>60</td>
</tr>
<tr>
<td>Impedance (Ω)</td>
<td>Between 2–8 Ohms (Normally 4 Ohms)</td>
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<tr>
<td>Distortion</td>
<td>Po = 0.1 to 2W Max. 0.2 %</td>
</tr>
<tr>
<td><strong>Mechanical Data</strong></td>
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</tr>
<tr>
<td>Dimensions (mm)</td>
<td>H45xW140xL85</td>
</tr>
<tr>
<td>Operating Temp (°C)</td>
<td>-40 / +80°C (-40° / 176°F)</td>
</tr>
<tr>
<td>Material</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Colour</td>
<td>Natural</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>900</td>
</tr>
<tr>
<td><strong>Mounting Data</strong></td>
<td></td>
</tr>
<tr>
<td>Mounting Type</td>
<td>Panel Mount</td>
</tr>
</tbody>
</table>

Subject to change without prior notice.

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Sure Antennas. 6 Woodway Court, Thursby Rd, Bromborough International Business Park, Wirral, Merseyside CH62 3PR

T. 0151 334 9160 | E. sales@sure-antennas.com

www.sure-antennas.com  A brand of
Part No 0600-501 FRONT TO REAR CELL INTERCOM
Intercom Inclusive Accessories

**0240-CA016.01 – Intercom Microphone Red**

![Intercom Microphone Red](image1)

- **Directivity:** Omni directional
- **Standard operating voltage:** 1.5V
- **Maximum operating voltage:** 10V
- **Maximum current consumption:** 5.5mA
- **Output impedance** (Zo) = 30kΩ
- **Frequency** = 30 to 18000Hz
- **Sensitivity** = -41dBSPL @ 1kΩ
- **Signal to noise ratio:** S/N = 103dB/A weighted: > 60dB

**0240-CA016.02 – Intercom Microphone Black**

![Intercom Microphone Black](image2)

- **Directivity:** Omni directional
- **Standard operating voltage:** 1.5V
- **Maximum operating voltage:** 10V
- **Maximum current consumption:** 5.5mA
- **Output impedance** (Zo) = 30kΩ
- **Frequency** = 30 to 18000Hz
- **Sensitivity** = -41dBSPL @ 1kΩ
- **Signal to noise ratio:** S/N = 103dB/A weighted: > 60dB

**0240-CA019.01 – RCA Extension 3m Red**

![RCA Extension 3m Red](image3)

- **Connector:** RCA(M) – RCA(F)
- **Material:** PVC(BK)
- **Color:** BLACK
- **Dimensions/Thickness:** 5.0x0.20mm / 1.63x0.10mm

**0240-CA019.02 – RCA Extension 3m Black**

![RCA Extension 3m Black](image4)

- **Connector:** RCA(M) – RCA(F)
- **Material:** PVC(BK)
- **Color:** BLACK
- **Dimensions/Thickness:** 5.0x0.20mm / 1.63x0.10mm

**0240-CA020 – Intercom Power Lead 3m**

![Intercom Power Lead 3m](image5)

- **Connector:** Male Minifit
- **Material:** PVC(RED)
- **Color:** BLACK/RED
- **Current Rating:** 5A

**0240-CA021 – Intercom PTT Lead no Switch 3m**

![Intercom PTT Lead no Switch 3m](image6)

- **Connector:** Male Minifit
- **Material:** PVC(RED)
- **Color:** BLACK/RED
- **Current Rating:** 5A

**0240-CA022 – Intercom Extension Lead 3m**

![Intercom Extension Lead 3m](image7)

- **Connector:** Male Minifit
- **Material:** PVC(RED)
- **Color:** BLACK/RED
- **Current Rating:** 5A

**0240-CA023 - Intercom Cable Header ASSY**

![Intercom Cable Header ASSY](image8)

- **Connector:** Male Minifit
- **Material:** PVC(RED)
- **Color:** BLACK/RED
- **Current Rating:** 5A
0600-501  Front to Rear Vehicle Intercom

0245-SFLINT001.00 – Intercom Splash proof Speaker

Specifications
Connector: Mini Fit Jnr
Frequency Response Min: 100Hz
Frequency Response Max: 20kHz
External Height: 37mm
External Width: 90mm

0245-SFLINT003.00 – Panel Mount PTT Switch

Specifications
Mechanical
Total travel 2 mm ±0.3mm
Covering force ≤ 15N
Panel thickness 1 – 6 mm [max]
Terminal type: Mini F2, 14
Switching action: Momentary

Electrical
Dielectric strength: 2500 VAC
Insulation resistance: ≥ 1GΩ
Contact resistance: ≤ 50mΩ (max)
Electrical life: ≥100,000 cycles
Current rating: 400mA at 12 VAC resistive

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