

Assurance Everywhere

# Ardent High Performance Intercom Unit

Easily facilitate communication  
between passenger and driver  
at the bus entrance platform



Increasing safety measures to protect drivers is an essential part of making public transport safer for everyone. However, with new safety procedures come new challenges: implementing new secure screens for drivers to sit behind can make driver-to-passenger communication harder.

A reliable solution to this, Ardent's intercom unit is designed to facilitate easy communication between passenger and driver at the bus entrance platform.

## What does our intercom unit do?

Our intercom unit enables clear two-way communication between the driver in the cab and the passenger at the entrance platform, regardless of physical barriers. It fits seamlessly into the vehicle, with flush-fit or surface-mount speakers and microphones positioned either side of the protective screen.



### **Two-way communication**

Our unit is designed to enable clear communication between driver and passengers through microphones and speakers.



### **Hands-free operation**

The intercom unit is operated hands-free, making it safe and easy to use when the vehicle is in operation.



### **Adjustable volume levels**

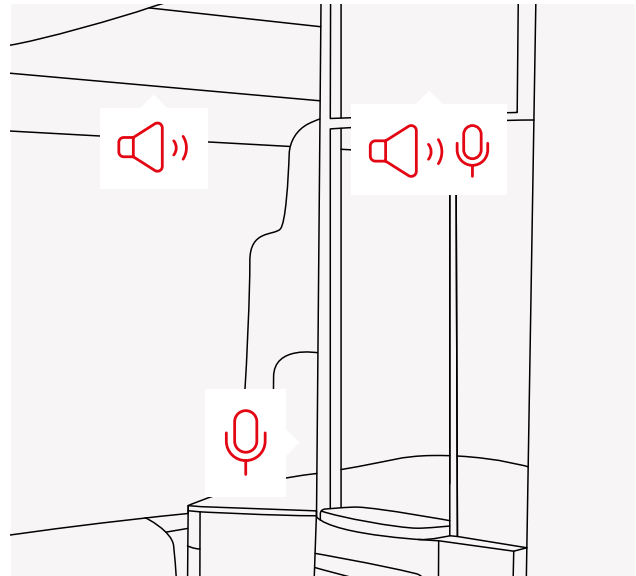
With adjustable volume, our intercom unit allows the driver to adjust the volume level in response to increased or reduced background noise.

## How our intercom unit works

The flush-fit or surface-mount speakers and microphones are positioned at either side of the protective screen for optimal two-way communication between the driver and passenger.

Through the control unit, the driver can adjust the speaker volume if required. An LED is used to signal that the system is in use.

The system meets stringent EMC requirements regarding its electromagnetic compatibility, and is CE-marked. With a simple setup procedure, the intercom unit is easy and quick to install or retrofit.



## Key technical specification

<b>Supply voltage</b>	10 V to 30 V (32 V tolerated)
<b>Current consumption</b>	For normal conversation: typically, less than 200 mA at 28V and 400 mA at 14 V
<b>Indicator LED</b>	Indicates the presence of power: the control input has no effect on this
<b>Microphone inputs</b>	x2 Input impedance: 2 k $\Omega$ Recommended microphone: electret condenser with 3.5 mm mono jack plug, line powered and taking less than 0.5 mA Power supply: To power the microphone, VSIS applies a 4 V bias to the jack's tip
<b>Speaker outputs</b>	x2 Recommended speaker: 4 $\Omega$ , 8 W An 8ohm speaker may be used but will give lower audio volume
<b>Control input</b>	x1 Low-side switched. The intercom is ON while this input is connected to GND

For the complete technical specification and operating instructions, please get in touch.

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To find out more or to explore how we can help you enhance the safety of your vehicles, contact our sales team on +44 (0) 1423 326 740



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