



EMITTER
ELECTRONICS
innovative • reliable • flexible



INTERCOM



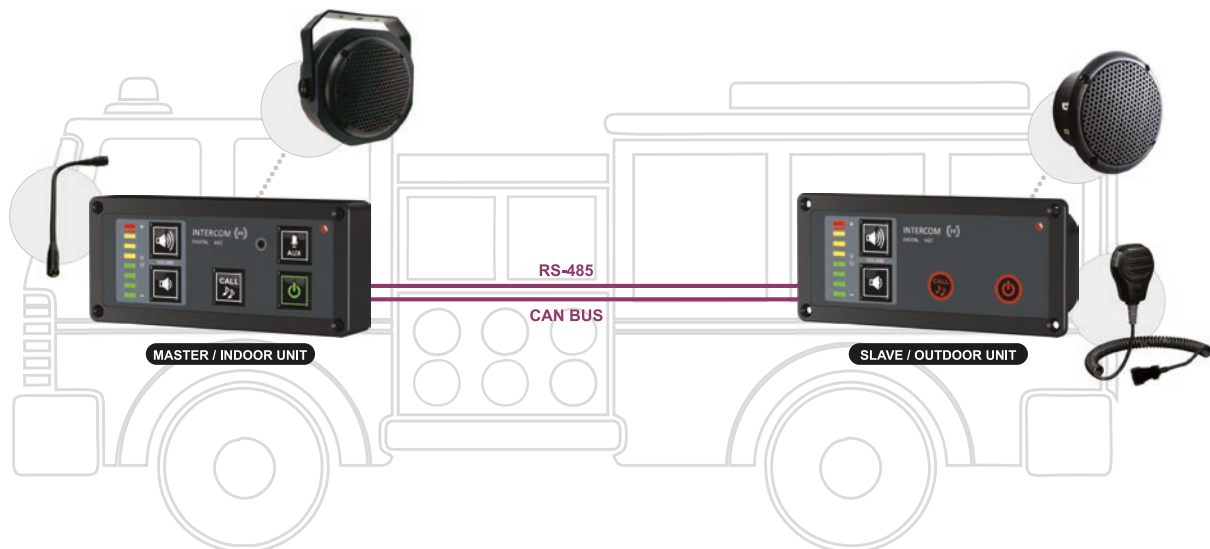
Features and Benefits

- 1 Digital audio processing and transmission
- 2 Automatic gain control (AGC)
- 3 Integrated microphone
- 4 RGB LED illuminated heavy-duty buttons, suitable for operation with protective gloves
- 5 Automatic Key brightness
- 6 Quick installation and setup
- 7 Robust e-coated aluminium enclosure

Supreme audio quality, Digital processing

Emitter Vehicle Intercom System is engineered to solve the problem of communication in high-noise environments such as in Fire and Rescue vehicles, mobile machines, ambulances, etc.

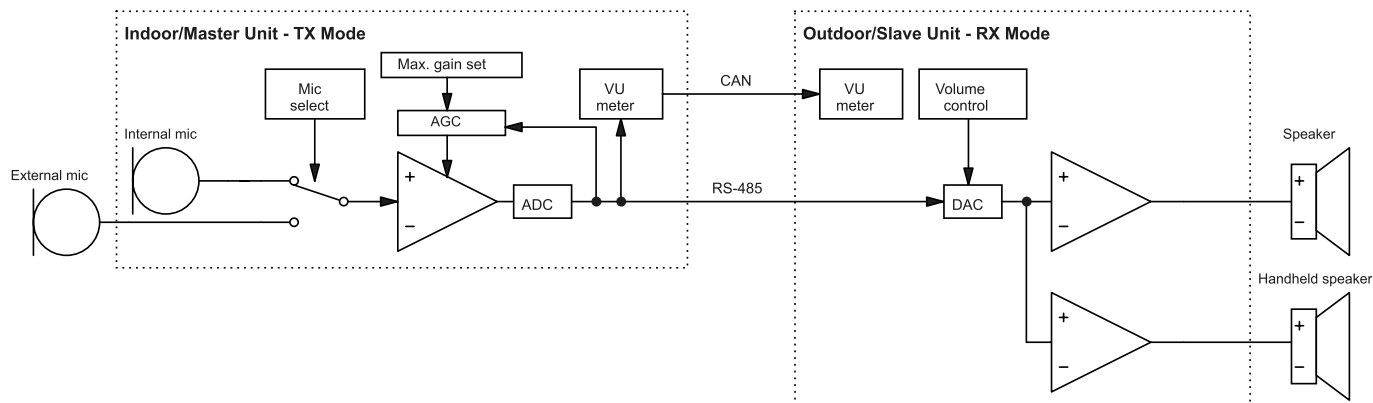
The supreme audio quality is achieved with digital audio transmission which is much more immune to electrical noise and other disturbances than analogue transmission. Digital audio processing, automatic gain control (AGC), gate functionality and digital filtering improve sound quality on all levels.



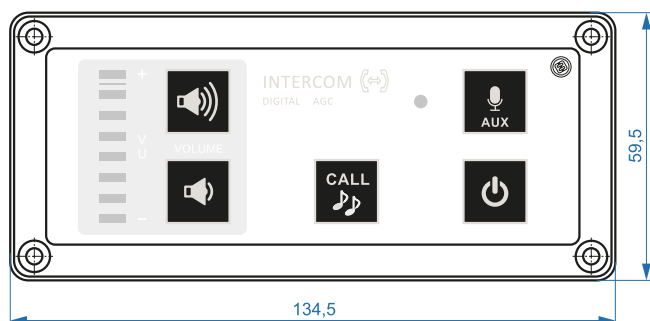
INTERCOM consists of two main units and supporting components. Regarding mounting location, one unit, usually mounted in the cabin, is marked as the "indoor/master unit" and the other one as the "outdoor/slave unit". Each unit has its own specific supporting components. The indoor/master unit has an integrated microphone,

optional external gooseneck microphone and external 15 W speaker. The outdoor/slave unit has an external handheld unit with an integrated microphone and speaker, external 15 W speaker and 1 A output for external ring indication lamp or a buzzer.

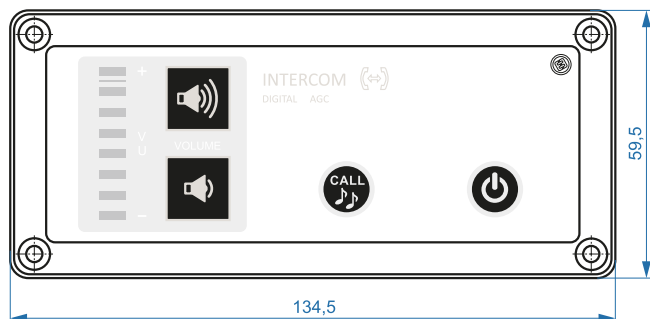
Operating Block diagram is shown in the picture below:



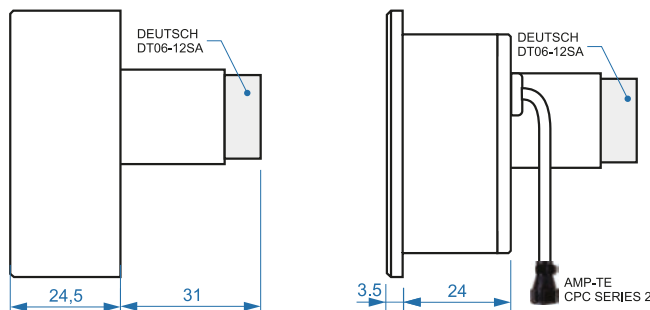
Dimensions



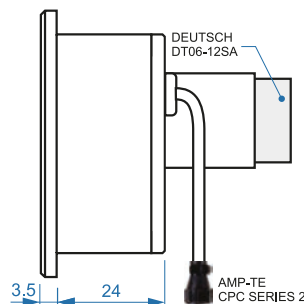
Master unit



Slave unit



Master unit side view



Slave unit side view

Specifications

Supply Voltage

- 24 V version	24 V nominal (20-32 V DC)
- 12 V version	12 V nominal (8-16 V DC)

Current Consumption

- 24 V version	max. 1.5 A/unit
- 12 V version	max. 3.75 A/unit

Current Sink Output

(Outdoor/Slave Unit)	max. 1 A
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Speaker RMS/PEAK Power	max. 15/25 W, 4 Ω
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Temperature Range

- Indoor/MasterUnit	-20°C to +70°C
- Outdoor/Slave Unit	-40°C to +80°C

IP Codes

- Indoor/MasterUnit	IP53
- Outdoor/Slave Unit	IP67

Protections

	Reverse Polarity, Load Dump
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Ordering Codes

INTM-24V	Intercom Master/Cabin Unit, 24 V voltage supply
INTM-12V	Intercom Master/Cabin Unit, 12 V voltage supply
INTS-24V	Intercom Slave/Outdoor Unit, 24 V voltage supply
INTS-12V	Intercom Slave/Outdoor Unit, 12 V voltage supply
SPK - 4015W-H	Speaker 4 Ohm 15/25W with housing
SPK - 4015W	Speaker 4 Ohm 15/25W



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