

ARVIS™ is Continuous Communication for your Advanced Rescue Vehicles

Features:

- **Smallest Control Head in the industry!**
- **Split audio**
- **Digital microprocessor control**
- **Non-wear backlit touch-pad controls**
- **Multiple radio interface**
- **“Plug and Play” installation**
- **Convenient to install**
- **Ability to connect various radios and accessories**
- **Programming options available**



ARVIS™

Advanced Rescue Vehicle Intercom System



ARVIS™ provides intercom and continuous communication between base station, mobile, airborne, control tower and aircraft rescue fire fighter personnel. It allows full and independent operation of three two way radio systems and the monitoring of accessory audio sources. Connect various radios and accessories for complete mobile communication.

ARVIS™ has three main components that make up the system - a Master Control Unit, a Remote Control Unit, and a Non-Control Unit. All components can be mounted in easily accessible locations including positions on the cab ceiling, on or under the dashboard or above the seats.

Communicate with confidence.™ Communicate with Rescom®

Master Control Unit - MCU

Located in the cab of the vehicle, the MCU supplies power for the whole system and automatically powers up when the vehicle is started. All radios, accessories and the RCU or NCU are connected to the back panel for ease of installation using water tight, twist lock connectors.

Add other convenience audio sources such as an alarm or PA monitor at the accessory jack. An optional foot switch can also be used.

Control Head:

The MCU itself may be tucked away, under the dash, for instance, with only the Remote Control Head being mounted on the dash, console, above the head, etc. The Remote Head may be located up to 20' away.

Radios are selected by back-lit push buttons on the non-wear front panel, for ease of operation in any lighting conditions. Radio receiver levels are adjusted by individual digital volume controls.

Headsets

ARVIS™ headsets have fully adjustable over-the-head straps and a spring steel tension band to assure day-long comfort and a secure fit, even under hard hats or helmets. The hearing protection ear cups provide the highest level of comfort and have an NRR of 24 dBA. The goose neck noise canceling boom microphone provides excellent voice pick-up in noise levels of up to 115 dBC.

Both the Driver and the Incident Commander headsets are able to carry on separate simultaneous conversations on their selected radios. The "FIRE" radio is monitored alone and will be heard only in the left earphone of all headsets. The remaining radio(s) will be connected to the TOWER and AUXILIARY radio jacks. Their audio is mixed and will be heard together in the right earphone of all headsets. Independent operation of the earphones is made possible with two separate non-zeroing volume controls on the users own earcups.

Non-Control Unit - NCU

Connect an NCU to the RCU or MCU for additional intercom and headset stations.

Remote Control Unit - RCU

The RCU gives personnel the ability to access radio functions from other areas of the vehicle. Six RCUs may be installed in one system with each position able to support two headsets. Front panel is also back-lit.

The MCU and RCU Headset microphones are always live with the ability to access selected radios. The keying of FIRE or TOWER & AUXILIARY radios causes all intercom microphones to be muted, preventing further intercom communication so everyone can clearly hear the transmission. Once radio transmission ceases, the intercom function is restored. Future expansion is a snap as additional units may be connected anywhere in the system in daisy chain fashion.



Designed and tested to meet the specialized requirements of Aircraft Rescue Fire Fighters // A.R.F.F. Series Intercoms