

GESCOM VCS

Vehicular Communications System

The most complete family of
**crew boxes for Software Defined
VCS and Intercom Systems**

Designed to **provide tactical encrypted voice
communications** for a wide range of vehicles,
platforms and configurations



MODEL:
RAU

FEATURES

RADIOCOM AND INTERCOM

Access of the radiocom and intercom of the vehicle by means of a mechanical simple interface of rotating selectors. Selectors function can be configured.

SERVICES

Software defined system that is highly adaptable to the platform and the user's requirements.

For each operator the RAU crew box allows:

- Selecting PTTs radios
- Selecting PTTs of the talk group
- Volume control
- VoIP calls
- Zeorize

TELEPHONY

Authorized SIP client for logging into the SIP server provided by GESCOM VCS. High quality full-duplex VoIP service

LAN

A dedicated LAN port to connect to:

- GESCOM VCS
- Tactical switch TSM
- Standard switch

The LAN port supports PoE.

HMI

Using mechanical rotating selectors.

The complete configuration by means of a web interface allows:

- Radiocom parameters
- Intercom parameters
- SIP client parameters
- Selectors configuration
- Talk groups configuration

COMPATIBILITY

Hybrid integration with GESCOM-SIM

TECHNICAL PARAMETERS

DIMENSIONS

166 x 155 x 88 (mm) (WxHxD)

WEIGHT

Maximum 1,09 Kg.

MATERIAL

Aluminum 5083

TREATMENT

Anodized, antifungal, salt spray and EMI

COLOR

Matte black (customization for other colors)

POWER SUPPLY

9-40 VDC

The RAU crew box also supports PoE provided by the tactical switch TSM

CONSUMPTION

Standby: 10 W / Medium: 16 W / Maximum: 20W

STANDARDS

Environmental: MIL-STD-810 / Power supply: STD-MIL-1275E

TEMPERATURE

Storage and operation according to MIL-STD-810G, Methods 501 and 502

P/N

RAU

RFE-RAU-301 (ODU Connector)
RFE-RAU-302 (GC Connector)
RFE-RAU-303 (Fischer Connector)
RFE-RAU-XXX (for new connectors to be defined)

RFE-RAU1-301 (ODU Connector)
RFE-RAU1-302 (GC Connector)
RFE-RAU1-303 (Fischer Connector)
RFE-RAU1-XXX (for new connectors to be defined)

ASSOCIATED CABLING

ITEMS

VARIOUS FINISHES

LAN CABLE

Pigtail
RJ45 connector
Variable length according to need

VDC CABLE

Pigtail
Variable length according to need

TRANSITION CABLE FOR HEADSETS AND HANDSETS

Transitions can be provided for headsets and handsets with different connectors:
GC, ODU, Fischer...

TACTICAL SWITCH TSM

Special cable for a direct connection
Variable length according to need

CONFIGURATION:

The complete system can be configured through a Tablet/PC and a web page.



Encryption

All outbound voice communications from RAU are encrypted by means of GESCOM VCS



Radiocom

For both operators, complete access to all radios, as well as the all created talk groups



Intercom

For both operators, complete access communications inside vehicle, as well as the all created talk groups



SIP Client

Authorized register in GESCOM VCS
High quality VoIP calls



GESCOM VCS
Vehicular Communication System

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