

# RA3185 COBRA

Communications Headset

## LIGHTWEIGHT MODULAR HEADSET

The RA3185 Cobra headset is of modular design for dismounted use in low-noise environments, enabling unimpaired situational awareness where hearing protection is not required. Its robust design withstands rough handling in military environments. The standard configuration is a single-sided earphone with a boom microphone, its modular design enables a variety of PTT, headstrap and radio connectivity options.



### KEY BENEFITS

SITUATION AWARENESS → ★★ ★  
SPEECH INTELLIGIBILITY → ★★ ★  
HEARING PROTECTION →

### TECHNOLOGIES

LIGHTWEIGHT  
RUGGED

# BENEFITS & EXTRAS

RA3185 Cobra Communications Headset



## BENEFITS

- Natural unimpeded situational awareness
- Lightweight comfortable design to minimise physical burden
- Slimline design ensures compatibility with body-worn equipment
- Modular design, adaptable to a variety of use cases
- Headset interchangeable for left or right sided use

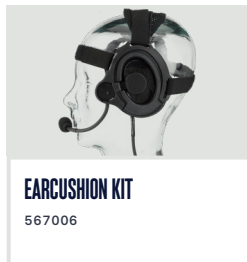


## ACCESSORIES & ADD-ONS



**HEADSTRAP**

561846



**EARCUSHION KIT**

567006



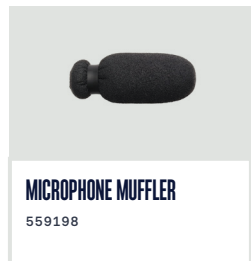
**DUAL PTT ASSEMBLY**

RA3700/XXXX



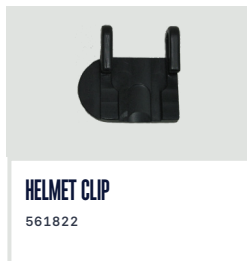
**SINGLE PTT ASSEMBLY**

RA3710/XXXX



**MICROPHONE MUFFLER**

559198



**HELMET CLIP**

561822

# SPECIFICATION

## RA3185 Cobra Communications Headset

|                        |   |
|------------------------|---|
| WEIGHT ON THE HEAD     | 60 g (2.1 ounces)   |
| COMMUNICATION MODES    | Monaural  |
| FREQUENCY RESPONSE     | 100 Hz to 10 kHz  |
| INPUT IMPEDANCE        | 100 Ω. Options 150 Ω, 300 Ω   |
| COMMS SENSITIVITY      | Nominal 116 dB SPL  |
| BOOM MICROPHONE        | Electret noise cancelling, optional 150 Ω, dynamic noise cancelling |
| MICROPHONE SENSITIVITY | Typical -36 dB  |
| PTT SWITCH             | Optional modular in-line switchbox, single or dual PTT              |

|  |  |
|--|--|
| INTERFACE CABLE  | Terminated to suit equipment requirements      |
| TEMPERATURE  | -40° / +70°C operating<br>-40° / +70°C storage |
| IMMERSION  | IP67, 1 meter for 2 hours                      |
| MTBF   | 69,246 hours                                   |
| ENVIRONMENTAL TESTS  | MIL-STD-810F, TIA/EIA-603                      |
| Certified to: humidity, immersion, driving rain, mist, salt fog, ice, solar, shock, bump, impact, vibration, dust, sand, altitude, fluid contamination |  |

## PRODUCT PART NUMBERING SYSTEM

| Part Number   | Description        | Microphone          | Earphone | Connector         | Headband          | Mic Muffler | PTT         | Headset Cable Length | PTT Cable Length |
|---------------|--------------------|---------------------|----------|-------------------|-------------------|-------------|-------------|----------------------|------------------|
| RA3185/1530/1 | Cobra dual pressel | Electret            | 100 Ohm  | Fischer 9 pin     | 561846 and 567006 | 559198      | RA3710/0431 | 480mm                | 800mm            |
| RA3185/1531/1 | Cobra dual pressel | Electret            | 100 Ohm  | Fischer 9 pin     | 561846 and 567006 | 559198      | RA3710/0431 | 600mm                | 800mm            |
| RA3185/1198   | Headset Assembly   | Electret            | 100 Ohm  | Hypertac 14 pin   | 561846            | 559198      | Nil         | 1500mm               |                  |
| RA3185/1199   | Headset Assembly   | Electret            | 100 Ohm  | TP101             | 565364            | 559198      | Nil         | 500mm                |                  |
| 565000/60     | Headset Assembly   | Electret            | 100 Ohm  | Fischer 9 pin     | 561846            | 559198      | Nil         | 600mm                |                  |
| 565000/48     | Headset Assembly   | Electret            | 100 Ohm  | Fischer 9 pin     | 561846            | 559198      | Nil         | 480mm                |                  |
| 565000/52     | Headset Assembly   | Electret            | 100 Ohm  | Unterminated      | Nil               | 559198      | Nil         | 1500mm               |                  |
| 565000/9      | Headset Assembly   | 100 Ohm Moving Coil | 300 Ohm  | Moulded breakaway | 561846            | 506725      | Nil         | 410mm                |                  |

## CONTACT INFORMATION

### HEAD OFFICE

Racal Acoustics Ltd  
Unit 3/4 Waverley Industrial Park  
Hailsham Drive, Harrow HA1 4TR  
United Kingdom


Tel: +44(0)20 8515 6200  
Email: sales@racalacoustics.com

 Racal-Acoustics-Limited  
www.racalacoustics.com

### USA OFFICE

Racal Acoustics, Inc.  
150 N. Michigan Ave, Suite 1950  
Chicago, IL 60601  
United States

Tel: 413.310.6012  
Email: sales@racalacoustics.com

 @Racal\_Acoustics

