

# RAC HEADSET



## STREAMLINED DESIGN & TRUE 3D HEARING TECHNOLOGY (3D HT) PROVIDE IMPROVED PROTECTION & SITUATIONAL AWARENESS

The new Rail Attached Communications (RAC) headset revolutionizes soldier communications by seamlessly integrating low profile rail-mounted design with true 3D hearing technology (3DHT), not yet seen in military COMMs systems. Designed as an integral component of the Ops-Core® helmet system, the RAC Headset integrates with other helmet components for optimal system level performance. This, together with its advanced 3D HT and other unique capabilities provide improved hearing protection and situational awareness for the soldier. The RAC headset currently works with Ops-Core Maritime, FAST® High Cut, and Sentry helmet models.

### KEY FEATURES

#### Ear Cushions

Contoured to ergonomically fit the head geometry, providing a better seal and increased noise attenuation.

#### Noise-Cancelling Microphone

Mounts to left or right earcup.



#### Integrated Microphone Mounting & Connection Point

Accepts mask microphones with U-173/U standard plug.



(Optional)

#### Inductance Receiver Earplug

Un-tethered double-layer hearing protection provides noise attenuation in excess of typical active noise reduction (ANR) equipped headsets.

#### Weight

1lb / 453.592gm\*

#### Streamlined Stowage

Ear cups rotate to the rear of helmet when not in use, creating a very low profile.

#### Quick-Release Download Connection

Helmet/headset can be disconnected from the download, allowing users to easily remove the helmet as there are no excess cables to consider.

\*Based on current system configuration



### TRUE 3D HEARING TECHNOLOGY (3D HT)

True 3D HT provides natural hearing restoration with our patented ear-simulator design. This unique capability reproduces ambient sounds with a high degree of directional accuracy to preserve and improve situational awareness.

### OPTIMAL COMFORT

Ergonomically designed, the RAC headset provides superior comfort with features such as contoured ear cushions and mounting arms located on the helmet exterior. Exterior mounting relieves pressure points typically associated with headband mounting methods.

### STREAMLINED DESIGN

The advanced streamlined design provides freedom of movement and unobstructed head range of motion.

#### FAST Side Rail Attachment

The Rac Headset attaches to the rear of the FAST Side Rails leaving the top portion of the rails free for mounting accessories, such as lights, cameras, etc.

#### Arm Articulation/Latch

Allows the ear cups to be set in ready position, near, but not pressing on the user's head.

#### Single Point Gimbal Attachment

360° adjustment instead of conventional adjustment systems. Auto positions to each individual's ear/head shape.

#### On/Off/Volume/Balance Control

Provides operator full control to personalize the listening experience to suit individual needs. Optional Speaker/Ear Plug Switch used with Inductance Driver System to switch between speaker and earplug.

#### 3D Hearing Technology (3D HT)

By coupling a patented ear simulator design with binaural audio and advanced audio processing the RAC Headset delivers hear-through audio that accurately preserves azimuth and elevation cues to provide situational awareness.

#### Auto Shut-Down

Shuts device off after two hours of use to preserve battery charge. An audible tone alerts the user that shut down is imminent. Pressing either button control resets the timer.

#### Fail-Safe Communications

In the event of the loss of the battery charge, the headset will continue to operate for communications with only the hear-through system not functioning.

#### Multi-Mode Communications

When used with the Vehicle Intercom Download, and connected to the Vehicle Intercom System, the headset will adjust the signal level and impedance to match the need of the Vehicle Intercom System.

#### Immersible

IP-68 immersible to 6 meters.

Available colors:  Tan  Black

Visit our website at:

[www.ops-core.com](http://www.ops-core.com)

12 Channel Street  
Boston, MA 02210

Tel: 617.670.3547  
Fax: 617.670.3581

Document Version:  
2013.08.26

