

## NASA ORION AUDIO SYSTEM

### Customized communication solution for the next stage of human spaceflight

L3Harris' three-part audio solution provides astronauts with mission-critical communication tools, including the audio control unit, interface unit and speaker unit.

#### SUPPORTING HUMAN SPACEFLIGHT

For six decades, L3Harris has partnered with NASA to develop technology that's supported the evolution of human spaceflight. From Mercury, Apollo, Space Shuttle and the International Space Station, L3Harris' technology has made mission-critical impact.

NASA's Artemis II mission ushers in a new era of crewed spaceflight with the Orion Spacecraft. Built by Lockheed Martin, Orion is the exploration vehicle that will carry the next generation of astronauts to space.

L3Harris' NASA Orion Audio System solution will play a mission-critical role, providing redundant internal and external crew communications, the audio interface for search-and-rescue operations, and voice recording and playback.

#### DESIGNED FOR MISSION SUCCESS

There is nothing off-the-shelf when it comes to L3Harris' NASA Orion Audio System solution. Based on NASA's exacting set of requirements, the audio components' rugged design is built to withstand the unique demands of human spaceflight.

The three components of the solution include the audio control unit (ACU), audio interface unit (AIU) and the speaker unit (SU). The system features voice-activated communication as well as visual and audible alerts for Caution and Warning alarms.

The thoughtful design can easily be integrated into any future human spaceflight missions, including reusable landers and commercial programs.

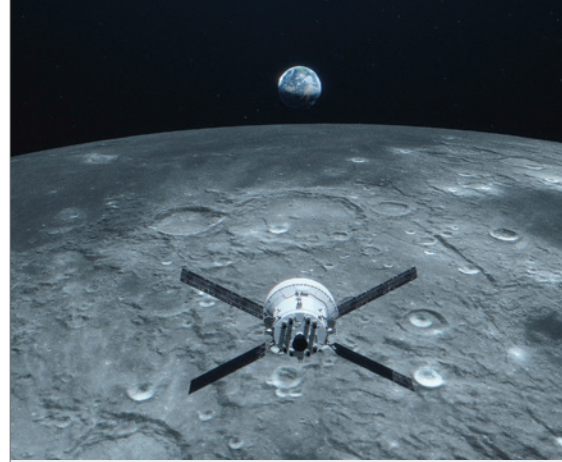


Image credit: NASA

#### BENEFITS

- > Five voice channels provide communication flexibility
- > Configurable, voice-activated communications enable hands-free operation
- > User-programmable caution and warning alarms provide real-time situational awareness
- > Lightweight audio interface unit reduces fatigue
- > Low power consumption increases efficiency
- > 12 hours of voice recording and playback increases data collection and retrieval processing

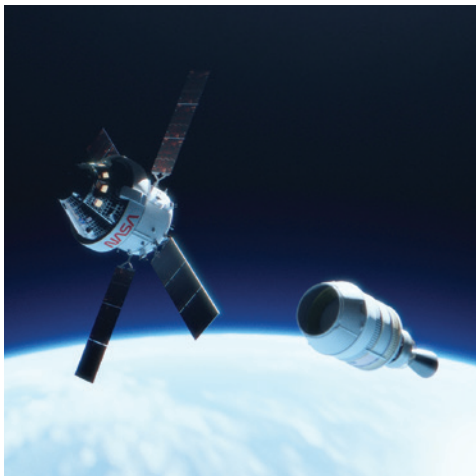


Image credit: NASA



Audio Interface Unit (AIU)



Speaker Unit



Audio Control Unit (ACU)

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