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ACR Electronics Introduces the Bivy Stick MESH: Revolutionizing Remote Satellite Communication with Dual-Mode Satellite and Mesh Connectivity

New mesh technology enhancements boost Bivy Stick's reliability and expands capabilities for remote group communication.

Thursday 20th June 2024 – ACR Electronics, a leader in safety and satellite communication devices, proudly announces the launch of the Bivy Stick MESH. This innovative device is the first satellite messenger to integrate

advanced LoRa®-enabled mesh networking with the robust global reach of the Iridium Satellite network, creating a self-sustaining, decentralized network that guarantees seamless and reliable communication without relying on cellular coverage.

The Bivy Stick MESH represents a transformative leap forward in remote communication technology, offering unparalleled dual-mode connectivity. The ideal device for remote workers, outdoor enthusiasts, and enterprises operating in challenging environments, it seamlessly transitions between global satellite communication and LoRa®-enabled mesh networking for uninterrupted connectivity even in the most remote and demanding conditions.

- **Global Iridium Satellite Coverage:** Operate with confidence anywhere on Earth, leveraging Iridium’s unrivalled satellite constellation for unwavering communication.

- **LoRa®-Enabled Mesh Networking:** Form self-sustaining mesh networks that enable real-time messaging and GPS location updates for enhanced team coordination and operational efficiency.

“The Bivy Stick MESH is not just a device; it’s a game-changer for outdoor and remote communication,” said Vance Cook, VP of 2-Way Satellite Communication at ACR Electronics. “By integrating advanced mesh technology with global satellite coverage, we ensure continuous connectivity and safety for workers and adventurers in even the most remote locations. This is satellite enhanced by mesh.”

Enhanced Safety for Lone Workers and Adventurers

The Bivy Stick MESH is tailored for industries where safety and reliability are paramount. Whether for lone workers in utilities, construction, and field services, or for adventurers in remote outdoor activities like hiking, climbing, and sailing, it ensures that users remain connected and safe, no matter where they are.

Unmatched Dual-Mode Connectivity

Offering device-to-device message transmission within seconds, this device is

significantly faster than traditional satellite communication. The Bivy Stick MESH's adaptive technology allows it to reliably perform in extreme locales, from dense forests to urban landscapes, boasting an advanced durability and waterproof rating of IP67, it has been engineered to withstand harsh impacts and severe weather conditions.

Equipped with 145 hours of battery life and a dedicated 24-hour SOS battery reserve, the Bivy Stick MESH ensures that critical emergency signals are maintained even when the main battery depletes. This feature provides a crucial safety net, offering users peace of mind during emergencies.

The device's ability to relay messages intelligently through the mesh network ensures that communication is always possible, regardless of obstacles or distance. This feature enhances operational efficiency and safety, making the Bivy Stick MESH an invaluable tool for teams working in remote and challenging environments.

For more information on ACR Electronics' complete line of products, please visit acrartex.com/.

Read the article on ACR electronics' website [here](#).

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Notes for Editors:

This device has not yet been authorized as required by the Rules of the FCC and does not comply with the requirements of RED (Radio Equipment Directive). This device is not, and may not be offered for sale or lease, or sold or leased until such authorization is obtained.

About ACR Electronics, Inc.

As a world leader in safety and survival technologies for over 65 years, ACR Electronics, Inc. designs and manufactures cutting-edge rescue beacons and

survival equipment for the marine, outdoor, aviation and military markets. ACR Electronics marine and outdoor products are engineered to work in all conditions when needed the most and include Emergency Position-Indicating Radio Beacons (EPIRB), Personal Locator Beacons (PLB), Search and Rescue Transponders (SART), VHF, two-way satellite communication devices, Automatic Identification Systems (AIS), Man Overboard (MOB), emergency lights, search lights, and other associated safety accessories.

ACR Electronics operates within the ACR Group of companies, which spans a portfolio of brands including Bivy, ARTEX, Ocean Signal, United Moulders Ltd (UML), SKYTRAC Systems, Flight Data Systems, Latitude Technologies, NAL Research, and FreeFlight Systems. ACR Electronics is the foremost development center for emergency beacons that are designed with one purpose: to save lives. For more information go to www.ACRARTEX.com.

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