

BC|Aim Assistant Features / Benefits / Value

Introducing Rajant's BC|Aim Assistant App—the smart, intuitive tool for point-to-point connectivity setup. Designed for field use, this mobile app delivers visual and audio link feedback in real time, empowering technicians to fine-tune wireless links faster, safer and more accurately than ever before.



Description

The BC|Aim Assistant is a purpose-built mobile application designed to simplify and optimize the setup of Rajant Point-to-Point (P2P) wireless systems. Available on Android (version 14+), the app enables technicians and engineers to quickly connect to Rajant BreadCrumbs®, perform targeted link analysis, and accurately aim antennas using visual and audio feedback. It reduces setup time, improves alignment precision, and supports reliable P2P deployment across diverse environments.

Key Features

Audio Feedback Aiming System

Includes real-time beeping tones to indicate signal quality—faster, higher-pitched tones indicate better performance, enabling hands-free antenna alignment.

Real-Time Link Metrics Visualization

Live graphical display of key link metrics including Signal-to-Noise Ratio (SNR), Signal Strength (RSSI), and Link Cost to aid in precision tuning.

Intuitive BreadCrumb Selection

Allows users to easily identify and select two BreadCrumbs for P2P configuration through name, IP address, or serial number filters.

Customizable Threshold Settings

Users can fine-tune thresholds for SNR, Signal Strength, and Cost to fit specific deployment needs and environmental conditions.

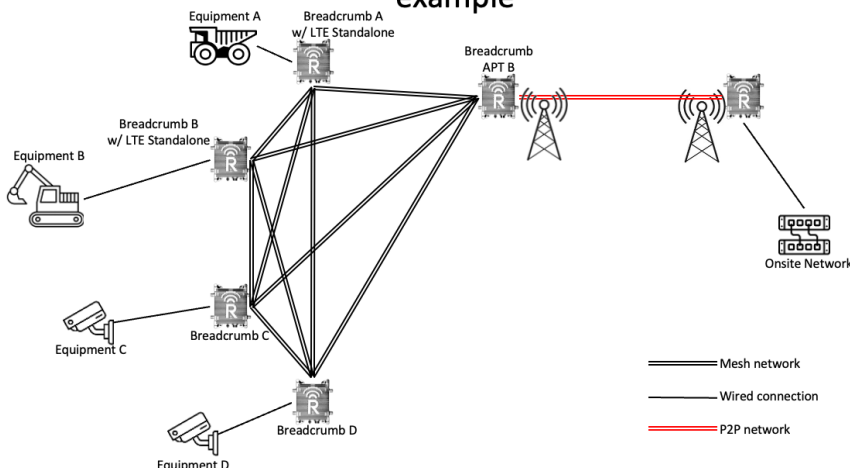
Warning and Diagnostics Alerts

Automatically notifies users of critical status conditions like firmware limitations, dynamic transmit power settings, or connectivity issues that can hinder the antenna aiming process.

Integrated Help System

Built-in screen-specific help guidance and resettable defaults for audio feedback settings ensure user-friendly operation in the field.

Point to Point Rajant network example



Value Proposition

Hands-Free Precision

Field technicians can now use auditory feedback to align antennas with precision, freeing their hands to handle hardware and work more safely.

Faster Setup Time

Streamline the setup of P2P systems without laptops or extensive configuration steps—just a phone, app, and your BreadCrumbs.

Improved Field Diagnostics

See what's happening in real time—identify poor connections and alignment issues before they become network problems.

Configurable to Your Environment

Fine-tune your thresholds for varying environments—from noisy industrial sites to rural deployments—ensuring reliable links anywhere.

Problems Solved (Benefits)

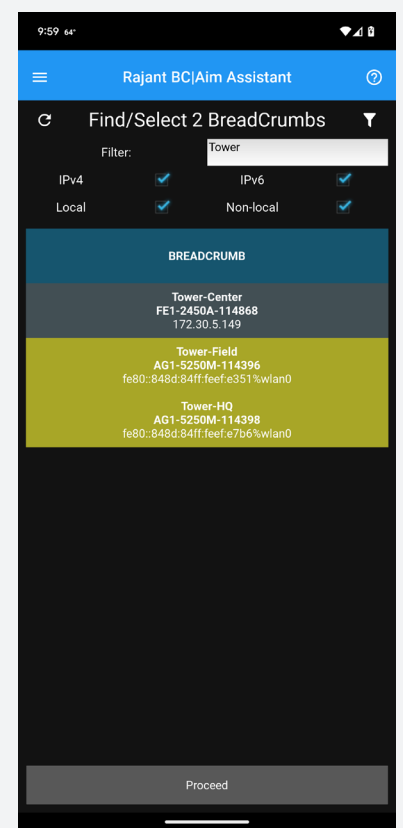
- Provides hands-free safety with audio feedback from the user's mobile device
- Eliminates guesswork in antenna alignment with audio cues and real-time feedback.
- Accelerates P2P deployment with mobile-first diagnostics and configuration.
- Improves link quality through precise aiming supported by clear SNR/Signal/Cost visualization.
- Reduces field support calls via on-screen warnings and easy troubleshooting tips.

Deployment Scenarios

- Mining Sites: Quickly align point-to-point antennas on haul roads or pit-to-office links with minimal equipment.
- Construction Zones: Rapid, on-the-fly wireless link tuning in temporary worksites.
- Utilities & Energy Fields: Reliable setup in wind farms, solar installations, and oil rigs.

Get the edge over other fault-tolerant networking options.

Discover how Rajant can help you stay connected—no matter how your team operates. Our technology means Reliability, Redundancy, and Resiliency. Learn more about Rajant's one-of-a-kind technology at www.rajant.com



Key Differentiators

- **Audio Feedback Capability:** A unique Rajant advantage allowing hands-free link tuning in rugged conditions.
- **Mobile-Only Operation:** No need for external diagnostic tools—carry less, do more.
- **Live Diagnostics + Alerts:** Detect and resolve common setup pitfalls instantly, improving P2P link reliability from the start.
- **Designed for Rajant BreadCrumbs®:** Fully integrated with Rajant's ecosystem for seamless compatibility and security.

Whether atop a utility pole or harnessed to a 200m tower, the BC/Aim Assistant ensures your P2P deployments are aligned, reliable, and ready for action—with safety first and without the need for bulky equipment or complex interfaces.

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