

Vontas OnCall Push-to-Talk (PTT) Application Specifications

1. OVERVIEW

The Vontas OnCall (formerly Orion) Push-to-Talk (PTT) platform is a voice communication application designed for real-time, secure, and reliable communication. This guide provides detailed specifications for the Android and iOS versions of the Orion PTT application.

2. SYSTEM REQUIREMENTS

2.1 Android OS

- Minimum OS Version: Android 8.0 (Oreo)
- Recommended OS Version: Android 10.0 (Q) or later
- Processor: Quad-core 1.4 GHz or higher
- RAM: 2 GB or higher
- Storage: 50 MB of free storage (for app installation)
- Internet: Stable 4G/5G connection, or Wi-Fi
- Permissions:
 - Microphone access
 - Location services
 - Background app refresh
 - Push notifications

2.2 Apple iOS

- Minimum OS Version: iOS 13.0
- Recommended OS Version: iOS 15.0 or later
- Devices Supported: iPhone 7 or later, iPad (5th generation) or later
- Processor: A10 Fusion chip or higher
- RAM: 2 GB or higher
- Storage: 50 MB of free storage (for app installation)
- Internet: Stable 4G/5G connection, or Wi-Fi
- Permissions:
 - Microphone access
 - Location services
 - Background app refresh
 - Push notifications

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3. FEATURES

3.1 Core Funtionality

- Real-time Voice Communication: Push-to-talk feature for instant communication.
- Group Chats: Create and manage group conversations for team communication.
- Location Sharing: Real-time location tracking of team members.
- Message History: Access to previous voice messages and chats.
- Voice Commands: Utilize Orion AI workflows.

3.2 Security

- End-to-End Encryption: Secure communication with AES-256 encryption.
- Data Retention Policies: Configurable data retention settings for message storage.

4. USER INTERFACE GUIDELINES

4.1 Andriod OS UI

- Material Design: Adhere to Google's Material Design guidelines.
- Navigation: Bottom navigation bar with icons for Message Log, Team list, and Map.
- Push-to-Talk Button: Large, user-friendly location of the push-to-talk button with visual feedback.
- Theme Support: Light and dark mode support.
- Notifications: Use Android's notification channels for message alerts and updates.

4.2 Apple iOS UI

- Human Interface Guidelines: Adhere to the Apple's Human Interface guidelines
- Navigation: Bottom navigation bar with icons for Message Log, Team list, and Map.
- Push-to-Talk Button: Large, user-friendly location of the push-to-talk button with visual feedback.
- Theme Support: Light and dark mode support.
- Notifications: Utilize iOS's notification system for timely alerts.

5. PERFORMANCE METRICS

- Latency: Average latency of less than 300ms for voice messages.
- Battery Usage: Optimized to minimize battery consumption during active use and in the background.
- Memory Footprint: Efficient use of device memory with a maximum usage of 150MB during peak operations.

6. TESTING & QA

- Automated Testing: Implemented automation for most core features.
- Manual Testing: Regular QA cycles with focus on UI/UX, performance, and security

7. RELEASE & DEPLOYMENT

- Versioning: Semantic versioning (e.g., 1.0.0) for all releases.
- Release Cycle: Monthly updates with major feature releases quarterly
- Deployment
 - Android: Google Play Store and enterprise distribution via APK
 - iOS: Apple App Store and enterprise distribution via iOS app distribution

8. SUPPORT & DOCUMENTATION

- User Manual: Comprehensive user guides available in-app and online
- Customer Support: Reach out to support via email or phone