



BeaconResQ

Your Personal Safety Companion



Version 1.1 | OmniProReach Solutions LLC | Owner's Manual

Welcome to BeaconResQ

BeaconResQ is a personal safety app designed to protect you and the people you care about. With a single tap or a long press, you can trigger an emergency alert that notifies your trusted contacts, shares your location, records video evidence, and connects you with emergency services — all without interrupting your recording.

This manual will guide you through every feature of BeaconResQ so you can feel confident and prepared in any situation.

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1. Getting Started

iOS Requirements:

- iPhone running iOS16 or later
- Active internet connection (Wi-Fi or cellular)
- Location services enabled
- Camera and microphone access
- Contacts access (optional but recommended)

Android Requirements:

- Android 8.0 (Oreo) or later
- Active internet connection (Wi-Fi or cellular)
- Location services enabled
- Camera and microphone access
- Contacts access (optional but recommended)

Note: BeaconResQ works best when all permissions are granted. You can manage permissions at any time from your device Settings or from within the app under Privacy & Permissions.

2. First Launch & Permissions

The first time you open BeaconResQ, you will see the disclosure screen. This screen explains how the app uses your data and what permissions are required.

What You Will See:

- A description of how your location, camera, and contacts are used
- Your privacy rights under GDPR and App Store / Play Store guidelines
- A 'Continue' button to proceed

Permission Requests:

After tapping Continue, the app will ask for the following permissions one by one:

Permission	Why It's Needed	When Used
■ Location	Share your position with trusted contacts	During active SOS only
■ Camera	Record video evidence	During active SOS only
■ Micro	Capture audio during video recording	During active SOS only
■ Contacts	Import emergency contacts from your phone	When importing contacts only

Note: You can revoke any permission at any time in device Settings. The app will still work with limited functionality.

3. The Emergency Screen

The Emergency Screen is the heart of BeaconResQ. It displays:

- The BeaconResQ title with shield icons
- A status message (e.g., 'Hold 3 seconds for silent alarm' or 'Safety Mode Active')
- The large SOS button (red circle)
- A status panel showing the state of your safety features

Status Panel Indicators:

- Alert System — shows whether notifications to contacts are enabled
- Location — shows whether location sharing is enabled
- Camera — shows whether video recording is enabled
- Emergency Contacts — shows whether you have contacts set up

Each indicator shows a green checkmark (✓) when enabled or a red X (✗) when disabled.

4. Triggering an SOS Alert

Standard SOS (Single Tap):

Simply tap the red SOS button once. This immediately:

- Activates the alarm sound
- Starts video recording (if enabled)
- Gets your GPS location
- Creates an alert in Firebase
- Sends a push notification
- Shows action buttons (Send Text, Call Contact, Call 911, Continue Recording)

Silent SOS (Long Press — 3 seconds):

Hold the SOS button for 3 seconds to trigger a silent alarm. This:

- Does NOT play any alarm sound
- Still records video, tracks location, and sends alerts
- Ideal for situations where drawing attention could be dangerous

Stopping the Alarm:

When the alarm is active, the button turns green and displays 'STOP'. To stop the alarm:

- Long press the green STOP button for 2 seconds
- This saves the video, stops the alarm, and marks the alert as resolved in Firebase

5. Silent Mode

Silent Mode allows you to trigger an SOS without playing any alarm sound. This is useful in situations where making noise could be dangerous.

How to Enable:

- Go to Contacts & Settings tab
- Under Alert Options, toggle 'Silent Mode' ON

When Silent Mode is on, all SOS alerts will be silent by default. Location sharing, video recording, and contact notifications still work normally.

6. Safety Mode

Safety Mode is a passive monitoring feature that automatically triggers a silent SOS if it detects that you have been inactive for too long.

How It Works:

- When enabled, the app monitors for user activity (screen touches, movement)
- If no activity is detected for 3 minutes, a silent SOS is triggered automatically
- If the app goes to the background, a 6-minute timer begins
- Any touch or interaction resets the timer

How to Enable:

- Go to Contacts & Settings tab
- Scroll to Safety Mode section
- Toggle 'Safety Mode' ON

When Safety Mode is active, the status bar on the Emergency Screen shows 'Safety Mode Active' and a green notification appears in the status panel.

7. Contacts & Settings

The Contacts & Settings screen is organized into the following sections:

- Alert Options — location, video, notifications, silent mode
- Emergency Contacts — people who receive your alerts
- Message — the message sent during an SOS
- Alarm Sound — the sound played during an alert
- Primary Call Contact — your #1 person to call
- Emergency Services — 911 calling option (US & Canada)
- Safety Mode — passive inactivity monitoring
- Escalation — automatic escalation if no response
- Nearby Alerts — anonymous community safety alerts
- Privacy & Permissions — view and manage permissions

8. Emergency Contacts

Emergency Contacts are the people who will receive your SOS alert via text message. You can add up to 5 contacts.

Adding Contacts:

From Phone

Tap 'Import from Phone' to open your contacts list and select someone. Their name and phone number will be imported automatically

Manually

Enter a name and phone number in the text fields, then tap 'Add Manually'.

Removing Contacts:

Tap the 'Remove' button next to any contact to delete them from your list.

Note: These contacts receive alerts via text message. For calling contacts, see Section 11 (Primary Call Contact).

9. Alert Messages

The Alert Message is the text sent to your emergency contacts when you trigger an SOS. BeaconResQ provides four message options: Two preset messages automatically set by your device language and region, and two fully customizable message slots.

Language & Region Presets (Slots 1 & 2):

These two messages are automatically provided based on your device language and region setting.

English (US/Canada) users will see:

- 'Help! Please send authorities to my location.'
- 'Emergency. Please check my location.'

Note: If your device is set to a different language or region, the preset messages will adjust accordingly.

Custom Messages (Slots 3 & 4):

You have two fully customizable message slots. To set a custom message:

- Select 'Custom Message 1' or 'Custom Message 2'
- Type your own message in the text field
- Your message is saved automatically

If location sharing is enabled, a Map link to your location is automatically appended to all messages.

10. Alarm Sounds

Choose the sound that plays when an SOS alert is triggered:

- Whistle — a sharp, attention-grabbing whistle
- Alarm — a traditional alarm sound
- Dog Bark — realistic dog barking
- Airhorn — loud airhorn blast
- Custom Sound — upload your own audio file

Tap any option to select it. Tap 'Custom Sound' to browse and upload your own audio file. The selected sound will preview automatically.

Note: For maximum volume, make sure your device volume is turned up before triggering an alert.

11. Primary Call Contact

The Primary Call Contact is the person the app will call (or display a call button for) when an SOS is triggered.

Setting Up:

- Toggle 'Call Primary Contact' ON
- Import from Phone or Add Manually
- The phone receiver icon pulses when this toggle is enabled

When an SOS is active, a 'Call Contact' button will appear on screen. Tapping it will dial your primary contact directly.

12. Emergency Services (911)

BeaconResQ can display a 911 call button during an active SOS. This feature is designed for users in the United States and Canada.

To Enable:

- Go to Emergency Services section in Settings
- Toggle 'Call 911' ON
- The siren icon pulses when enabled

Enabling this toggle does NOT automatically call 911. It only displays a 'Call 911' button on screen. You must tap the button, and your phone's dialer will open — giving you one final chance to confirm before the call is placed.

13. Escalation

Escalation automatically takes further action if your SOS goes unanswered.

Sound Escalation:

If enabled, the app will automatically play the alarm sound if no response is received after a period of time — even if you started in silent mode.

Call Escalation:

If enabled, the app will automatically call your primary contact if no response is received. Escalation works hand-in-hand with Safety Mode: Safety Mode detects the problem and triggers the silent SOS, then Escalation ensures help keeps coming until someone responds.

14. Nearby Alerts

Nearby Alerts is a community safety feature that anonymously notifies other BeaconResQ users within 0.3–0.6 miles (500m–1km) when an SOS is triggered near them.

Privacy Guarantees:

- Your identity is never revealed to nearby users
- Only approximate distance is shared (e.g., '0.3 miles')
- You can disable this feature at any time
- Users must opt in to receive nearby alerts

To Enable:

- Scroll to Nearby Alerts in Settings
- Toggle 'Nearby Safety Alerts' ON

15. Video Recording

BeaconResQ records video evidence during an active SOS alert to create a tamper-proof record of the event.

Features:

- Records in 15-second clips continuously
- Each clip is assigned a unique ID, timestamp, and hash
- Clips are saved to your device's camera roll
- Metadata (clip ID, hash, timestamp) is saved to Firebase
- The hash can be used to verify the clip has not been tampered with

Camera Controls:

- The camera view appears automatically when an SOS is triggered (if recording is enabled)
- Tap the flip button to switch between front and rear camera
- Recording continues uninterrupted in the background

To Enable/Disable:

- Go to Alert Options in Settings
- Toggle 'Record Video' ON or OFF

16. GPS Tracking

During an active SOS, BeaconResQ continuously tracks your GPS location every 3 seconds and logs it to Firebase.

Features:

- High-accuracy GPS updates every 3 seconds
- Location logged to Firebase in real time
- Last known location saved every 30 seconds as a backup
- If live location fails, the last known location is used in alerts

Battery Efficiency:

GPS tracking only runs during an active SOS alert. It stops automatically when the alarm is stopped.

17. Offline Mode

BeaconResQ works even when you have no internet signal.

What Happens Offline:

- The status bar shows 'Offline — alerts will queue' in red
- Your SOS alert is saved locally on your device
- As soon as signal is restored, the alert is sent automatically
- Your last known location is used in the queued alert

Signal Recovery:

The app checks for connectivity every time it comes to the foreground. Queued alerts are sent immediately when a connection is detected.

18. Privacy & Permissions

BeaconResQ is built with privacy at its core. Here is our commitment to you:

- Your location is only accessed during an active emergency
- Your camera is only accessed during an active emergency
- Your contacts are only accessed when you import them
- Your data is never sold or shared with third parties
- You can request deletion of your data at any time
- All permissions can be revoked in device Settings

Managing Permissions:

Scroll to the Privacy & Permissions card at the bottom of the Settings screen. Tap 'Manage in Device Settings' to go directly to your device settings for BeaconResQ.

19. Troubleshooting

Problem	Solution
Alarm is quiet	Raise device volume to maximum. The alarm plays at full volume regardless of silent mode switch.
Location not shared	Check that 'Send Location' is enabled in Alert Options and that Location permission is allowed.
Contacts not receiving texts	Make sure 'Notify Contacts' is ON and at least one emergency contact is added.
Camera not recording	Enable 'Record Video' in Alert Options and allow Camera permission in device Settings.
Safety Mode triggering too quickly	Interact with the screen regularly to reset the inactivity timer. Any touch resets the 60-second countdown.
App not working offline	Ensure offline mode is supported. Queued alerts send automatically once signal is restored.

20. Legal & Privacy

BeaconResQ is developed and maintained by OmniProReach Solutions LLC.

Data Usage:

- Anonymous authentication is used to identify your device
- Location data is only stored during active alerts
- Video metadata (not video content) is stored in Firebase
- All data is encrypted in transit and at rest

Compliance:

- Apple AppStore Guidelines compliant
- Google Play Store Guidelines compliant
- GDPR compliant
- Your data is never sold or shared with advertisers

Contact & Support:

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BeaconResQ — Stay Safe. Stay Connected.

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