



999 Smartphone App

Empowering People through Technology



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Description Summary - PoliceWitness 999 App

1. In this technological world it seems bizarre that, in order to obtain police assistance in an emergency, a person must physically dial '999' and be routed by one of the Operator Assistance Centres to the appropriate police force control room.
2. At this point the caller is required, in their state of panic and emotion, to relay competently exactly what is going on, who is present, the nature of the emergency, their location (if indeed they know it), their name, their address and so on.
3. In these modern times it is not surprising that the majority of the information needed could be relayed at the touch of a button.
4. The PoliceWitness.com 999 smartphone App turns an existing smartphone handset into a police emergency video streaming and location device that uploads its video images to a nationally accessible secure encrypted server, and it does so in near real time. Consequently, police control operators can actually watch what has occurred, and what is now unfolding, and make a considered and accurate deployment of resources based upon the reality of what they have witnessed: a far cry from reacting to often hysterical or even deliberate misinformation.
5. Once activated, the App (which is subject to a number of patent claims) takes over the usual functionality of the handset. For example, once the App is running, the volume buttons no longer function as such but instead is now a 'one touch' alert system that conveys a wealth of information immediately to a police control room. This includes, but is not limited to, their exact location, their personal contact details and that of their next of kin, their date of birth, physical description and a recent photo.
6. Once launched the App loop-records in what is referred to as 'safe mode' – in this mode the handset's in-built camera is constantly loop-recording with its captured video images saved to the internal memory. This mode would be used if the user finds themselves in an anxious, evolving, and potentially problematic situation - perhaps a domestic violence incident.
7. If the user finds it then necessary to call for police assistance, a mere 2.5 second, yet deliberate press of any volume button will prompt the handset to enter 'Emergency' mode.
8. In this mode the smartphone immediately starts uploading the previously saved images from the internal memory (30-60 seconds) whilst continuing to record and stream its captured video evidence to a central encrypted secure server. The App continues to upload video until the emergency has passed and the App is closed. Once this button has been pressed there is no way to stop the uploaded images. Turning off the handset, or even changing the SIM card will only delay

subsequent uploads, which automatically resume their upload status when the handset is powered back on.

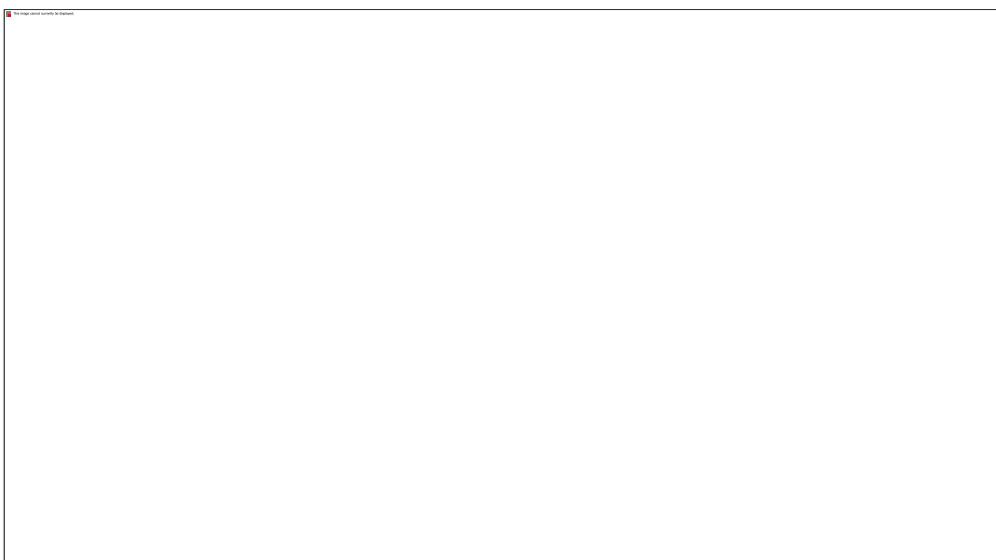
9. Simultaneously, on the first single press of the volume button, the device automatically calls for police assistance by sending a pre-written text requesting police assistance through the existing eSMS 999 service. The text, which states

Help! I need URGENT police assistance. Please navigate to www.helpme999.com and enter xxxxxxxx into the field provided.

Included in the text will be a link and randomly generated password to a central secure encrypted server, where police operators can immediately access a vast amount of information about the incident and the person requesting assistance.

10. This includes:

- a. The exact GPS location of the person requesting assistance, displayed on a map, along with longitude and latitude coordinates. Updates of both are sent from the device to the server every 60 seconds.
- b. The user's SIM card mobile number is provided in a link form. This allows the police operator to call the handset which will now auto-answer in conference/speaker mode, allowing the police operator to interact on loudspeaker with whoever is present (offering reassurance to the victim that officers are on their way, giving instructions to the offender, etc.) NB - No user interaction is necessary: the handset will auto-answer of its own accord, and will continue to record and upload its captured video.
- c. The user's complete profile is displayed, to include their name, home address, date of birth, contact number, a recent photo, height, build, hair colour, eye colour, medical conditions, such as asthma or diabetes, and contact details of their next of kin.
- d. The uploaded videos are presented in list form, together with all the above, on a single page in order to keep the amount of information manageable.



Back

FAQ - Police Operator - Help! I need URGENT police assistance. My profile, GPS location & shaking video from my phone are displayed below. If you call my number my phone will now auto answer in speaker mode. Click each video link below to view what my phone is capturing at this time. This page will automatically refresh every 30 seconds with my updated GPS position and further video evidence.

John Doe

Phone Number:	447402096167 (M) 01604123456 (H) 01604456789 (Other)	Height:	5 6 10
Address:	101 Smith Street, East Prentdon, Testington, AB1 2CD	Build:	Slim
Email:	stockdalematt@hotmail.co.uk	Hair Colour:	Grey
Date of Birth:	25-05-1969	Eye Colour:	Brown
Next of Kin Name:	Jane Doe	Event Media Files	
Next of Kin Number:	01934123456	FAQ - OC - Right click video and save as to save video locally, old videos are purged from the system	
Next of Kin Relation:	Wife	File Type	Upload Time
Next of Kin Address:	101 Smith Street, Prentdon, Testington, AB1 2CD	Video	10-9-2014, 07:55:00
First Response Information:	Heart problems	Video	10-9-2014, 07:55:30

Last Known Location
Accuracy to 624m last updated 10-9-2014, 07:55:25

11. Potential uses cover the gamut of police operations, but include: the prevention and detection of distraction burglaries, domestic violence incidents, assaults, robberies, sexual assaults, criminal damage, anti-social behaviour and even bullying.
12. The list of potential users is even longer, including anyone with a smartphone regardless of age, gender, ethnicity etc, but may particularly include those fearful of crime as well as previous and repeat victims. Domestic violence and bullying victims may be top of the list of those reassured by an effective means of preventing and detecting offences against them, not least by virtue of the virtual certainty that there will be a positive outcome, contrary to their current experience.
13. Whilst this technology will help both the police and the justice system in general, it is aimed not at the police service but at the citizen, at persons who feel it prudent and sensible to ensure that they and their loved ones are protected as best they can be, to be safe in the knowledge that should they become a victim of crime the images of

the offence, and more importantly the offender, have successfully been captured and uploaded to a secure server, ensuring they get justice even when the deterrent factor alone is not sufficient.

14. Not only will our App allow a faster deployment of police resource, but the deployment can only be more considered and effective, potentially saving forces millions of pounds each year. Further, the control room are able to take a still from the video and circulate the exact image of the offender to officers on the ground, sending it directly to their PDA's, meaning that often the only 'stop' necessary in an area search is when the actual offender is seen and apprehended.
15. With a suspected offender now in custody, the interview process is altered on a similarly dramatic scale. When presented with clear video evidence of the offence, both confessions and guilty pleas will rise significantly, with concomitant savings to both the police service and the wider Criminal Justice system.
16. Public confidence too can only rise as they consistently see effective responses and even more effective outcomes, finally tipping the balance in favour of the victim.
17. Whilst the Home Secretary has made funds available to forces embracing technology, the PoliceWitness smartphone app will be provided to the public FREE of charge. No restricted versions or pay upgrades will be offered. There is no small print or exceptions. The full working app will be available for download completely free to the public via Google Play during April 2015, with an iPhone version available later in 2015.

Ends