User's Manual – Contents

User's Manual – Watch My Baby

1. General Information

1.1. System Overview

"Watch My Baby" is a system designed to monitor your baby remotely. It is consisting an Android application and a web application. It lets you to monitor your baby live remotely, receive notifications on your mobile when the baby is crying and etc. All the functions are described in chapter 6 and 7.

1.2. Acronyms and abbreviations

App – Application

Web app – The application which is accessible via web browser.

Mobile app – Android app – The mobile software component of the "Watch My Baby" system.

2. System Summery

2.1. System Configuration

The Android app should be installed on an Android device which is running Android 4.4 (API 19) or higher. The device should have a front camera, microphone. A touch screen is recommended with a minimum resolution of 600 x 800.

The web app is accessible via the URL;

https://watchmybaby-52d18.firebaseapp.com/

The Web app is supposed to run on a WebRTC enabled browser. Google Chrome is recommended. The computer on which the web app runs, should have connected a web cam (Inbuilt web cam is supported) and a microphone. The computer should have a display with a minimum resolution of 1024 x 768 and landscape orientation.

3. Getting Started

3.1. Setup User Account

The User Account creation is only enabled with the Android app. Download the Android app Here.

Open the Android app. Click 'New User' button.

Enter Your details. All the details should be filled to create the account. Then Click 'Create' button.

3.2. Login and Start

With your user-name and password, you can login to the Android app and to the web app. Enter your username and password, then click 'Login' button.

4. Main Functions – Android App

4.1. View Baby (Monitoring the Baby)

You can swipe the screen from the left corner or click left top most 3 lines button to open the drawer. Then select 'View Baby'. The live video feed from the web application can be seen on the screen. After the monitoring is done, you can click the right bottom most red button or press back button to navigate to the main page.

4.2. App Settings

You can Set the notifications and SMS on or off. Also, the preferred SMS numbers can be set here. You can't set SMS on and leave the both two numbers empty. If you want to set SMS on, you have to enter at least one SMS number (10 numbers) and press save.

4.3. User Account Settings

You can change your account's password here. You have to enter the old password first.

4.4. Notifications and SMS.

When the Notifications set to on, you can receive notifications about the baby crying and SMS sending. Your device will vibrate and ring (if you are not made your phone silent) on the notification receiving. The notifications will be received even if the app is closed and not in recent app section. If your phone has a background app killer, please disable it killing the 'Watch My Baby' app. The notification can be seen in the Android notification area and by clicking on the relevant notification, you can open the app. The main page will show you the latest 10 notifications.

If you enter number(s) and set SMS to on, the mobile app automatically will send SMS(es) to the set numbers when following scenario occurs. The app should receive 3 baby cries in a row. Each two adjacent cries should be within 2 minutes. Within this 3-cry receiving, if you don't click the notification or open the app, the SMS(es) will be sent. A notification will be left.

4.5. Refresh notification area

The notification area of the app is automatically updated. If you think something is missing, you can always refresh the notification are manually by clicking the main page's right bottom most refresh button.

4.6. Clear Notifications

Open the drawer and select 'Clear Notifications'. This will clear the notifications from the app's memory. This is not recoverable.

4.7. Schedule lullabies

You can upload a mpeg type audio file via the mobile app and schedule it to be played from the web app. When uploading, you have to set a name to your lullaby. After uploading, no need to refresh the web page. The time setting updates will be automatically obtained by the web app.

The currently uploaded lullabies will be shown in a list. You can click the relevant lullaby and click 'Set Time' or click 'Delete' to set the playing time or permanently delete your lullaby file from the system.

4.8. Share and About

You can share the app by clicking 'Share'. A text with the link to the web app will be shared. You can use your favourite chat app or email to share.

The About dialog box will show you the app's main functionalities and basic details.

4.9. Logout

The Android app automatically detects the logged user and direct you to the main page once you have logged in. If you want to login in another user account or just logout, you can click the main page's right top most 3 dots and click logout.

When you are logged out, you will no longer receive notifications.

5. Main Functions – Web App

5.1. Camera Preview

In the main page, you can find the Camera preview text and a button in front of it. When you click the button once, the local camera feed will be shown to you. If you click the same button again, the camera preview will be closed. Use this to adjust the camera towards the baby.

5.2. Lullaby Controls

The 'Play', 'Pause', 'Stop' buttons are to manually control the current lullaby. The play button will not work if any lullaby is not played since last refresh of the page.

5.3. Logout

You can logout from the web app by clicking the logout button which is in the right top most corner.