

# iPRIZMA<sup>®</sup> Application

## Setup Manual



2014

iPRIZMA Android Software Version 2.0.9  
iPRIZMA iPhone Software Version 1.0.8

Document ID IPRIZMASM1.1

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or any computer language, in any form or by any third party, without the prior written permission of Blue I Water Technologies Ltd.

## **Disclaimer**

Blue I Water Technologies Ltd. does not accept any responsibility for any damage caused to its products by unauthorized personnel. Use of non-Blue I Water Technologies' reagents and/or replacement parts will void all warranties.

## **Trademark Acknowledgements**

iPRIZMA<sup>®</sup> is the registered trademark of Blue I Water Technologies Ltd.

Copyright © 2014 by Blue I Water Technologies Ltd.

## Table of Contents

1	Introducing iPRIZMA® .....	4
1.1	Intended Use .....	4
1.2	Safety Precautions.....	4
1.3	Overview of Chapters.....	5
2	Starting Out .....	5
2.1	Installing iPRIZMA® on your Mobile Device .....	5
2.1.1	Android Requirements.....	5
2.1.2	iOS Requirements .....	5
2.1.3	Downloading iPRIZMA® .....	5
2.2	Initial Setup .....	6
2.2.1	Selecting a Language for iPRIZMA .....	6
2.2.2	Setting Up Wi-Fi Communication to Enable iPRIZMA Operation .....	6
2.2.2.1	Working with External Antenna .....	6
2.2.2.2	Setting Up Direct Communication with PRIZMA.....	7
2.2.2.3	Troubleshooting: Direct Communication Setup.....	9
2.2.2.4	Setting Up Home Wi-Fi Network Communication with PRIZMA.....	10
2.2.2.5	Troubleshooting: Home Wi-Fi Network Communication with PRIZMA.....	12

# 1 Introducing iPRIZMA®

The iPRIZMA® app enables you to use your mobile device to communicate with the Prizma® automatic swimming pool/spa controller. Using the app, you can instruct the PRIZMA® to perform tests for chlorine and pH levels. The Prizma® automatically controls chlorine and pH dosing in order to optimize the pool/spa chemicals and to maintain personal and environmental safety. With iPRIZMA® you may also:

- ☞ View and change the number of tests performed each day on the pool/spa water system
- ☞ Chart pH and Cl values over time
- ☞ Configure Prizma®
- ☞ Perform tests manually
- ☞ Operate pumps manually
- ☞ Manage cassettes
- ☞ View and share alerts
- ☞ View and send technical reports
- ☞ Set pool/spa parameters such as pool size, spa volume and various other settings used to calculate the chlorine evaporation rate
- ☞ View reminders and manage maintenance activities
- ☞ Calibrate Prizma®
- ☞ View Help and FAQs

## 1.1 Intended Use

This manual is for pool operators and trained technicians. It covers the setup of the iPRIZMA® app for pool operation and tracking of maintenance on a mobile device. For information about iPRIZMA® use and functions, please see the *iPRIZMA® Application User Manual*. For information about Prizma® installation, controller setup and maintenance instructions, please see the *PRIZMA® Automated Swimming Pool Monitor and Controller Technician Guide*.

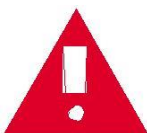
## 1.2 Safety Precautions

### Warning:



Only properly trained technicians should use iPRIZMA® in Technician Mode.

### Caution:



Remote monitoring and control of pool chemicals can be hazardous to bathers.

### 1.3 Overview of Chapters

This document is functionally divided into two chapters according to the various steps involved in setting up the iPRIZMA® app on a mobile device.

<b>Chapter 1:</b>	Short Overview of the iPRIZMA® application, safety precautions.
Introducing iPRIZMA®	
<b>Chapter 2:</b>	Mobile device (smartphone) requirements, downloading and setting up the app and its Wi-Fi communication networks for the first time
Starting Out	

## 2 Starting Out

This section describes how to download iPRIZMA on your mobile device.

### 2.1 Installing iPRIZMA® on your Mobile Device

The requirements for using iPRIZMA®:

#### 2.1.1 Android Requirements

- ☞ Requires Android 4.0 or later.

#### 2.1.2 iOS Requirements

- ☞ Compatible with iPhone, iPad and iPod touch. This app is optimized for iPhone 5.
- ☞ Requires iOS 5.0 or later.
- ☞ Size: 9.0 MB.

#### 2.1.3 Downloading iPRIZMA®

iPRIZMA® is a free app that you can download from the [App Store](#) for iPhones. Android users can download the free app from [Play Store](#).



## 2.2 Initial Setup

### 2.2.1 Selecting a Language for iPRIZMA

iPRIZMA displays English as the default language. To change the language setting: Click **General Settings** on iPRIZMA's main page

Choose your language. The following languages are currently available:

- ☞ English
- ☞ Français
- ☞ Português
- ☞ עברית

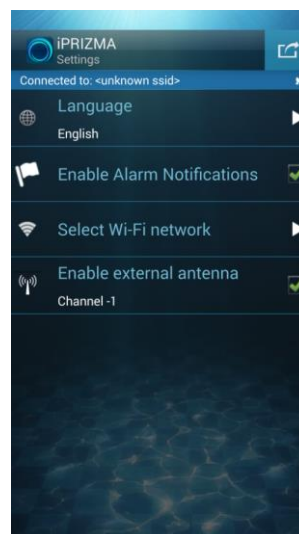


### 2.2.2 Setting Up Wi-Fi Communication to Enable iPRIZMA Operation

#### 2.2.2.1 Working with External Antenna

If the Prizma is installed in a closed control room or at a significant distance from smartphone use, the external Wi-Fi antenna should be connected to the Prizma and extended out of the control room entrance to enable communication.

Click **General Settings** on iPRIZMA's main page. If working with the external antenna, select "Enable external antenna".



## 2.2.2.2 Setting Up Direct Communication with PRIZMA

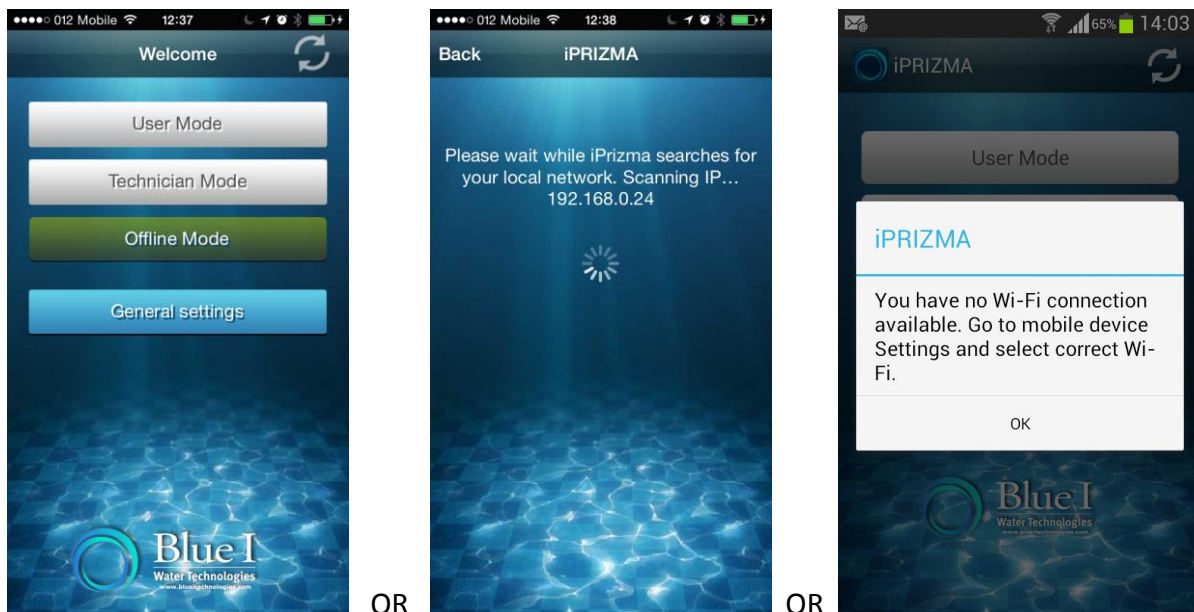
**Note: Direct communication using the Prizma access point only functions within range of the device's built-in Wi-Fi.**

iPRIZMA must first be configured to directly communicate with the Prizma access point before connecting with the home network too.

As noted above, direct communication with the Prizma is only within range of the device itself.

A. Open iPRIZMA by tapping on the icon on your mobile device.

Depending on the Wi-Fi status, one of the following screens will be displayed:

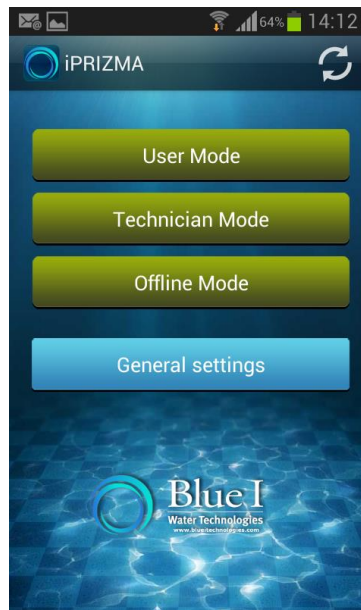


- ☞ Go to your mobile device's **Wi-Fi settings**. Select the PRIZMA's Wi-Fi name (**PRZ-XXXXX**).
- ☞ Enter the Prizma's password: 1000XXXXX, where XXXXX is the same as the numbers in the PRZ-XXXXX Wi-Fi name.
- ☞ Click **Connect**

B. To complete iPRIZMA-Prizma configuration, go back into iPRIZMA app.

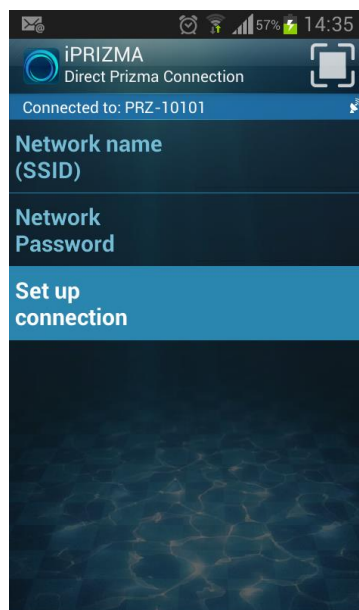
Select **General Settings**

>Select **Wi-Fi network**  
>**Direct Prizma Connection.**



In the next screen, either:  
Click the **QR scan icon** in the top right corner of the screen and then scan the QR code located on the front panel of the Prizma **or** enter the Prizma's ID number (the last five digits of the SERIAL NUMBER on the Prizma's side panel)

Or:  
In **Network name (SSID)** field, enter Prizma Wi-Fi name (i.e., the last five digits of the SERIAL NUMBER on the Prizma's side panel).  
In **Network Password** field, enter Prizma password (i.e., 100XXXXX, where XXXXX are the last five digits of the SERIAL NUMBER on the Prizma's side panel).

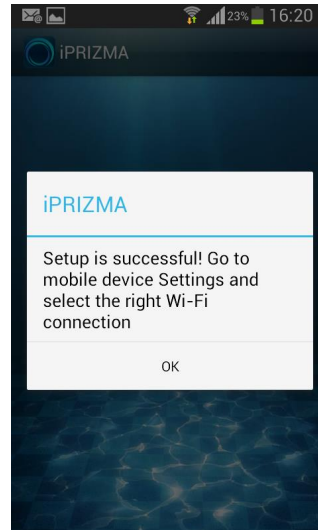


Click **Set up connection**

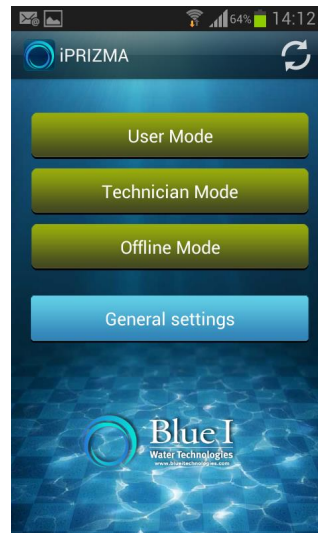
iPRIZMA will now configure the iPRIZMA- Direct Prizma Connection.



You will now be asked to go back into your **Settings>Wi-Fi** and confirm that the right Prizma Wi-Fi network is connected.

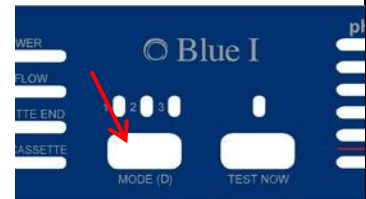


**iPRIZMA is now fully enabled to use within range of the Prizma.**



### 2.2.2.3 Troubleshooting: Direct Communication Setup

Problem	Solution
iPrizma app notifies that there is a problem with Wi-Fi connection	Confirm that mobile device is connected to the right Wi-Fi network (for Direct Prizma Connection, it should be connected to PRZ-XXXXX)
The mobile device does not identify the Prizma's ID	Be sure that you are standing within range of the Prizma and/or its Wi-Fi cable; confirm that "Enable external antenna" is selected in iPrizma settings.
You are connected to the right Wi-Fi network but there is still a problem operating the iPrizma app	Press MODE button on the Prizma for 20 seconds until a buzz is heard.
Data entered during app setup were mistaken	This resets the Prizma's Wi-Fi so that your mobile device will identify it and you will be able to set up the Wi-Fi communication on the iPrizma app once again. <b>Note: This solution is also applicable when the pool technician needs access to operate the PRIZMA and does not have the home network password.</b>

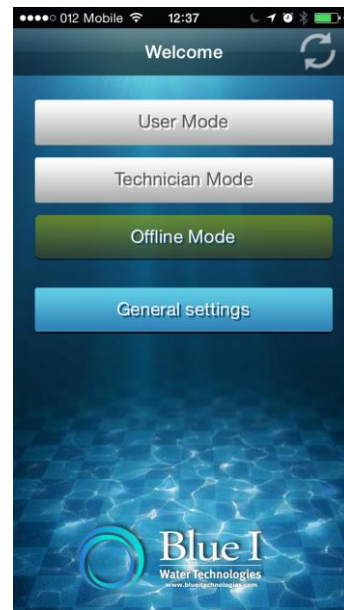


## 2.2.2.4 Setting Up Home Wi-Fi Network Communication with PRIZMA

Go into iPRIZMA's **General Settings**

Click **Select Wi-Fi network**

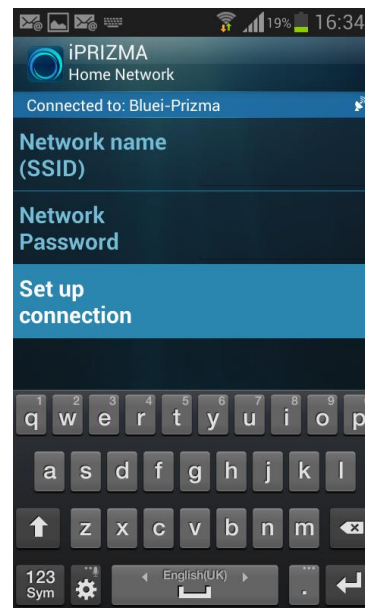
Click **Home Network**



In **Network name (SSID)** field, enter home network name (i.e., your home Wi-Fi network name).

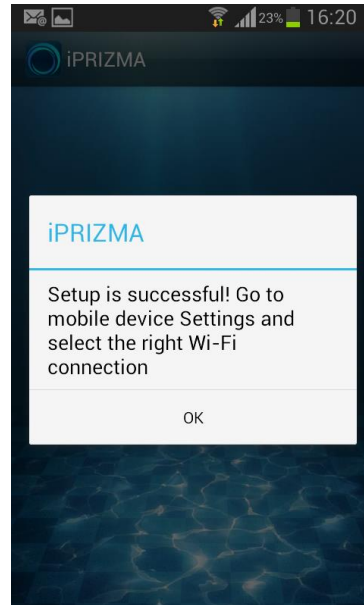
In **Network Password** field, enter home network password.

Click **Set up connection**.

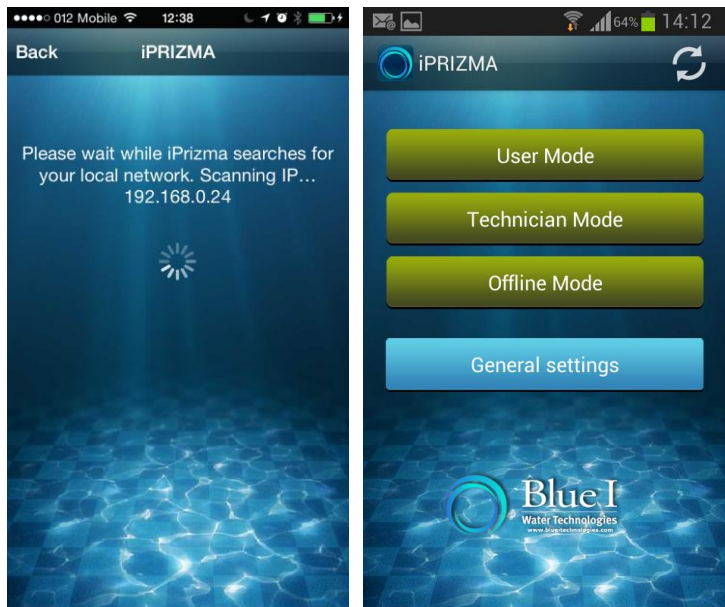


iPRIZMA will now configure the iPRIZMA-Prizma communication.

You will now be asked to go back into your **Settings>Wi-Fi** and confirm that your home Wi-Fi network is connected:

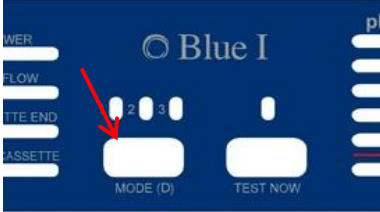


iPRIZMA will now scan for your local Wi-Fi network and will then enter iPRIZMA's main screen.



iPRIZMA is now fully enabled to communicate with and control the PRIZMA within range of your chosen home Wi-Fi network.

### 2.2.2.5 Troubleshooting: Home Wi-Fi Network Communication with PRIZMA

Problem	Solution
iPrizma app notifies that there is a problem with Wi-Fi connection	Confirm that mobile device is connected to the right Wi-Fi network.
The mobile device does not identify the Prizma's ID	Be sure that you are standing within range of your chosen Wi-Fi router.
You are connected to the right Wi-Fi network but there is still a problem operating the iPrizma app	<p><b>Press MODE button on the Prizma for 20 seconds until a buzz is heard.</b></p> <p><i>This resets the Prizma's Wi-Fi so that your mobile device will identify it and you will be able to set up the Wi-Fi communication on the iPrizma app once again.</i></p> 
Data entered during app setup were mistaken	<p><b>Note:</b></p> <p><b>This solution is also applicable when the pool technician needs access to operate the PRIZMA and does not have the home network password.</b></p>

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or any computer language, in any form or by any third party, without the prior written permission of Blue I Water Technologies Ltd.

**Trademarks and Patents**

PRIZMA and iPRIZMA are Registered trademarks of Blue I Water Technologies Ltd.  
Patents pending at the time of this printing

**Disclaimer**

Blue I Water Technologies Ltd. does not accept any responsibility for any damage caused to its products by unauthorized personnel. Use of non-Blue I Water Technologies' replacement parts will void all warranties.

**Blue I Water Technologies Ltd.**  
[www.blueitechnologies.com](http://www.blueitechnologies.com)