

iPRIZMA Application

User Manual



V1.2

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Rev Table

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1.2	Added description for remote connection via Cloud (Prizma1.1)	Shai Haim	3/6/2020

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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.

Chapter 1:	Short Overview of the iPRIZMA® application, safety precautions.
Introducing iPRIZMA®	
Chapter 2:	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 only, not
- Requires iOS 11.0 or later.

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](#).

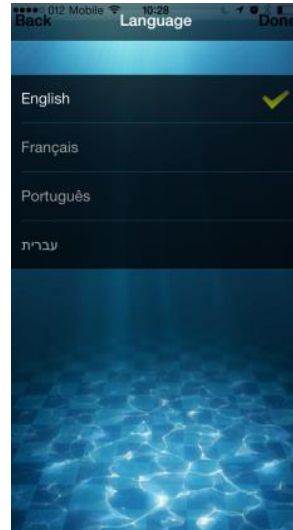
2.2 Initial Setup

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 (Hebrew)

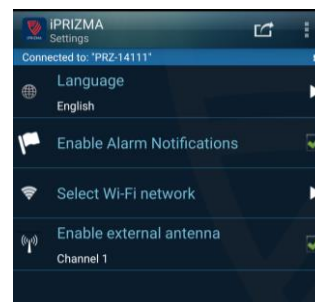


2.2.2 Setting Up Wi-Fi Communication to Enable iPRIZMA Operation

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.

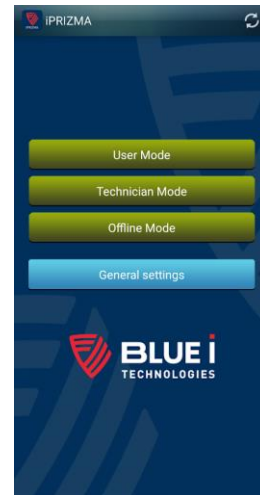
iPRIZMA must first be configured to directly communicate with the Prizma access point before connecting with the home network to connect to the Prizma remotely

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

A.

- Go to your mobile device's **Wi-Fi settings**.
- Select the PRIZMA's Wi-Fi name (**PRZ-XXXXXX**).
- Enter the Prizma's password: 100XXXXX, where XXXXX is the same as the numbers in the PRZXXXXX Wi-Fi name.
- Click **Connect**

A. Open iPRIZMA app and choose user mode to view General Prizma results and setup.



- 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:

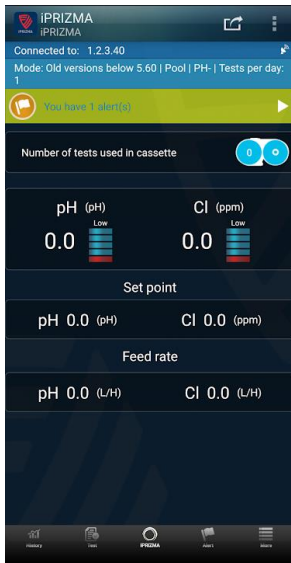
In **Network name (SSID)** field, enter Prizma Wi-Fi name (i.e., the last five digits of the SERIAL NUMBER on the Prizma's side panel).

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).



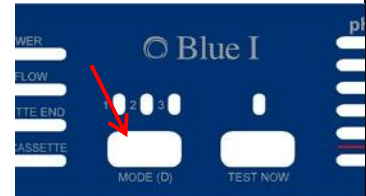
Click **Set up connection**

iPRIZMA should now be connected and show latest results and Product info.



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. Note: This solution is will delete and previous local network info.



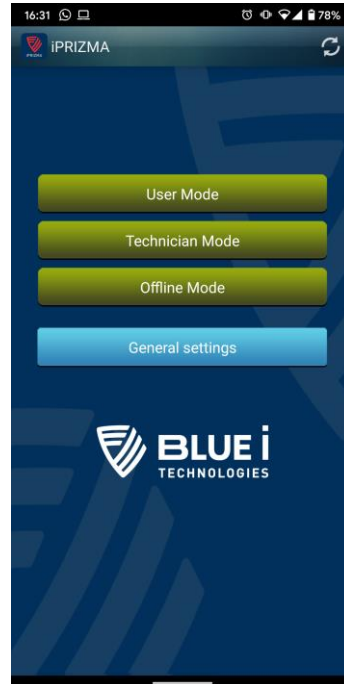
2.2.2.4 Setting Up Home Wi-Fi Network and connect remotely to the Prizma

(This can work only with Prizma 1.1 HW)

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.

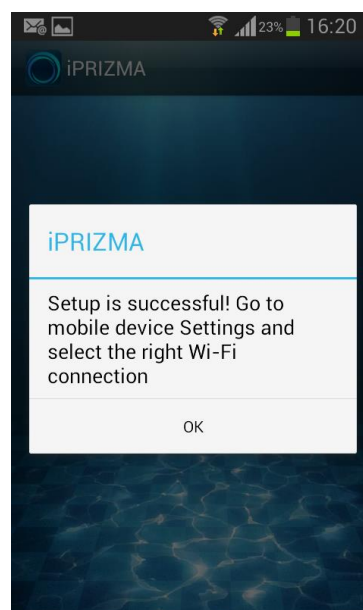
Click **Set up connection**.



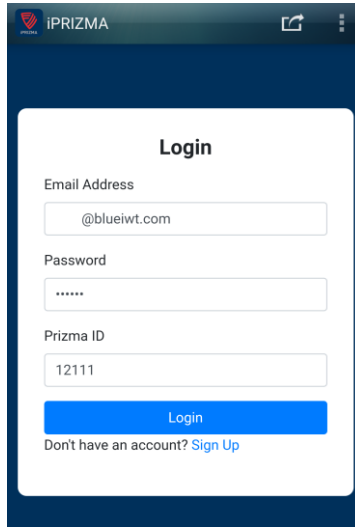
iPRIZMA will now configure the iPRIZMA-Prizma communication.

You can now close the app and connect to any network, wait 3 minutes for the Prizma to connect with Blue i Water Technologies cloud server.

**** Important :** first connection to your Prizma must be within the same home network before able to connect from any other network.

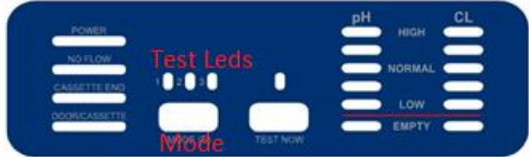


Now you can reopen the mobile app and insert user name, Password and Prizma ID in order to connect to it. If you do not have a user press Sign up and create an account.



iPRIZMA is now connected to th Prizma Via Cloud.

2.2.2.5 Troubleshooting: Remote Wi-Fi Network Communication with PRIZMA

Problem	Solution
iPrizma app notifies that “Prizma is not connected”	<p>Check if Prizma’s 3 test leds are blinking, if yes it means Prizma is unable to connect to the cloud. This could be a connection issue which will resolve it self after some time, a server reconnection attempt will be done every 5 min in the background. after 5 hours the Prizma will automatically fallback to direct mode.</p>
	<p>Chek if 3 test leds will blink in a loop (1>2>3) with a beep tone every 5 sec, if so there is a local wireless network connection Error – this can occur due to WiFi incorrecr password our a router malfunction.</p> <p>If you think it’s a password misatake press the Mode button on the Prizma for 20 seconds until a tone is heard, reconnect directly to the Prizma and reconnect to a home network again if this is a router malfunction it must be resolved in order to continu.</p> <p>*Important - after 5 min a fallback to hotspot will be done automatically</p> 

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