



# WATERPLAY

BY MAKE



## SMARTPLAY CONTROLLER- REMOTE OPERATOR GUIDE

## Contact Information

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The following guide will assist you in properly connecting your Waterplay smartPLAY™ controller to your local network and setting up the appropriate program to remotely access your controller.

## Connect the smartPLAY™ controller to your local network

Waterplay's smartPLAY™ controller comes with a configured router already installed. The smartPLAY™ controller router is located on the inside of the cabinet on the left-hand side as shown in the image below:



Once the controller is installed and powered on site, a local network connection will need to be made via the following two methods:

**Method 1:** Connecting controller directly to internet (this assumes no existing network or router will be used).

1. Make sure that router is powered off during hookup.
2. Connect Modem directly to the Internet or ETH1 port depending on your model.
3. Power on router
4. Wait about 5 minutes and test connectivity. You should be able to plug in to any of the other ports and acquire an IP via DHCP that will be in the 192.168.88.x range.
5. Verify that DDNS has registered the router correctly. You should be able to ping the routers serial number and get the public IP that it has been attached to. You ping via the following string *serialnumber.sn.mynetname.net*. Replace the serial number with the one on the router sticker located on the back of the router.
6. If the IP comes back as 184.68.34.166 that means the unit is still registered with a Waterplay testing IP.
7. If you are unable to ping the unit or no IP comes up, there is a chance that the router is not hooked up properly or there is no internet. Reboot the router to rule it out.

**Method 2:** Port forwarding using another router/existing infrastructure.

1. Make sure that the existing network is plugged into the internet port of the smartPLAY™ controller router. Power cycle the router if the cable was not already attached and the unit powered on.
2. You will be required to find out what IP your DHCP server has assigned to the router. This can be found by matching the ETH1: Mac address located at the bottom of the router with your DHCP server leased IP. In addition, your router will have a unique name related to an ORD-##### (your ORD# is shown on the router and on the controller home screen); this will be listed in the DHCP server leases and can be useful in quickly spotting the address leased.
3. It is recommended to have a static assignment created on the DHCP server of the router, so the IP does not change.



4. After the address has been determined, go into your router's NAT/port forward area, and forward the following ports to the IP of the Water Controller Router:
  - TCP 20256
  - TCP 20257
  - TCP 502
  - TCP 45061

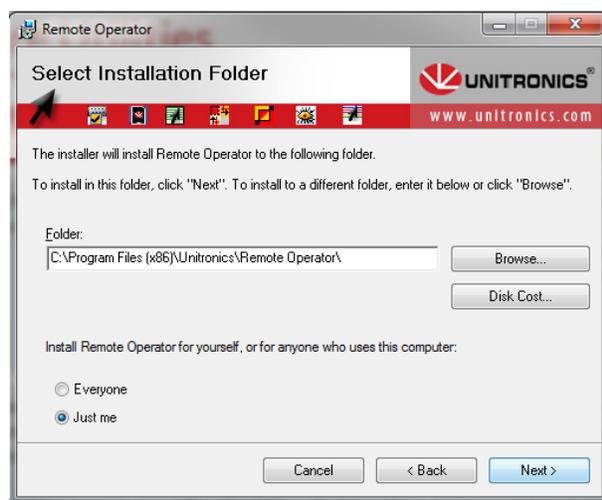
## Install and setup the remote operator software (PC)

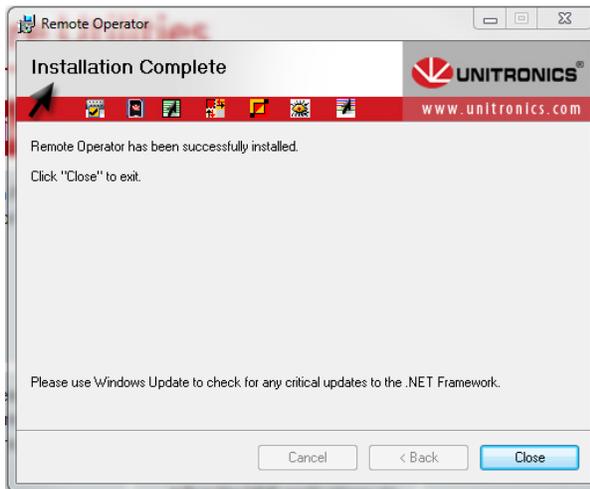
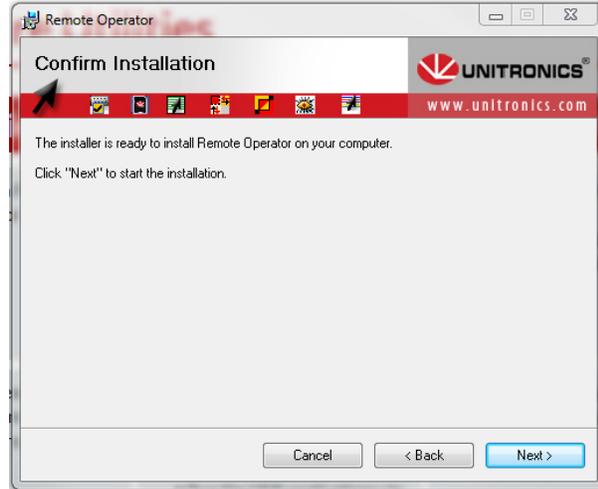
Follow the link below to download the Unitronics Remote Operator software:

<https://unitronicsplc.com/software-visilogic/>

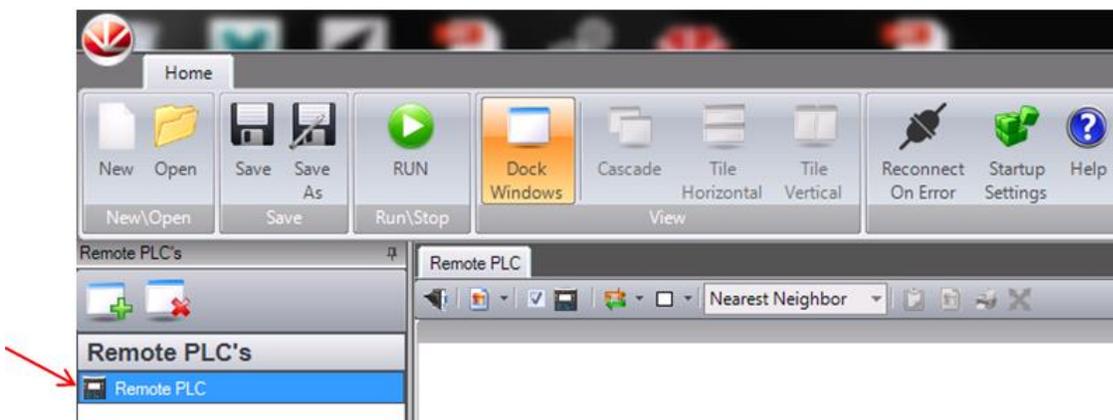
Under Software Utilities, download the Remote Operator V1.0.71 utility:

Download Software Utilities <span style="float: right;">⊗</span>				
Utility Name	Function	Key Features	Targeted Users	Download
Remote Operator V1.0.71	Simultaneously view and operate the HMI panels of multiple PLCs in multiple locations	<ul style="list-style-type: none"> <li>• Easily place HMI panels side-by-side to monitor distributed systems, or applications in several locations</li> <li>• Run the HMI applications via PC keyboard + mouse</li> </ul>	<ul style="list-style-type: none"> <li>• Control room operators</li> <li>• Installation Managers</li> </ul>	<input type="button" value="Download"/>

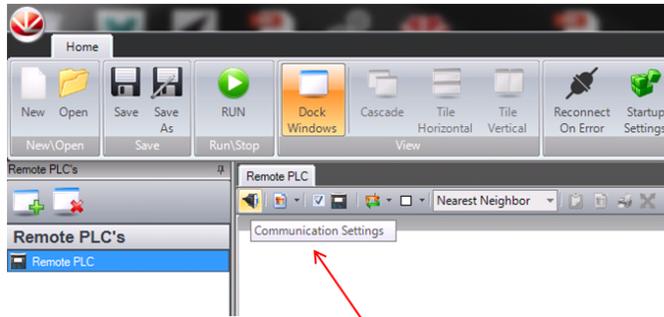




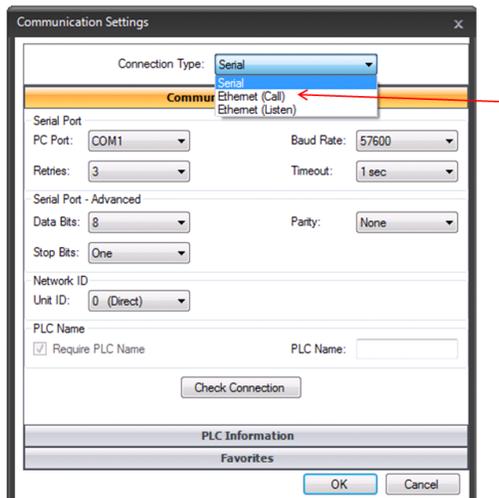
Open Remote Operator and make sure Remote PLC (this can be renamed for your specific park) is selected:



Select Communication Settings:

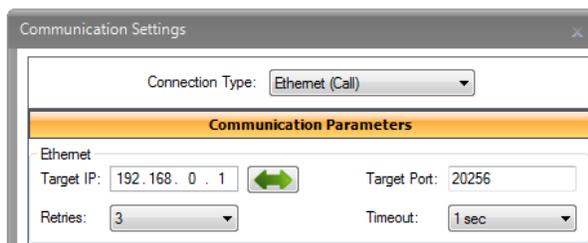


Set Connection Type to Ethernet (Call):

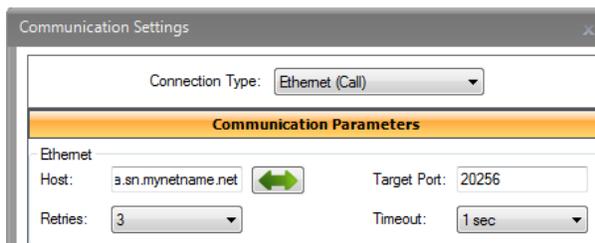


Select green arrow to toggle to Host Name (default shows Target IP):

Default:



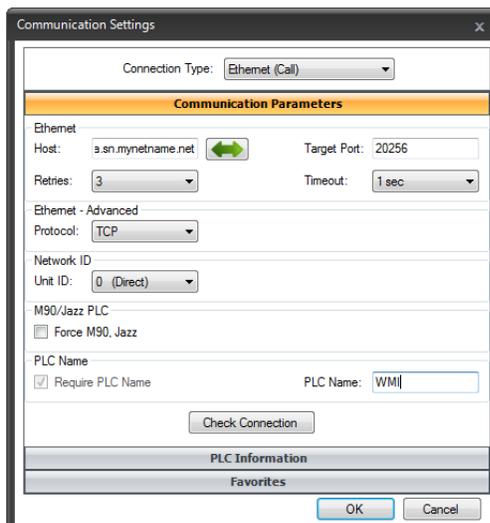
Host Name:



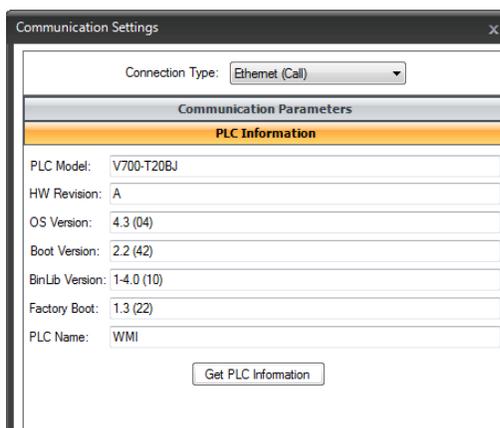
Your site's host name is "serialnumber.sn.mynetname.net". The serial number is located on the back of the Waterplay router inside the Waterplay smartPLAY™ controller.

Target port is 20256

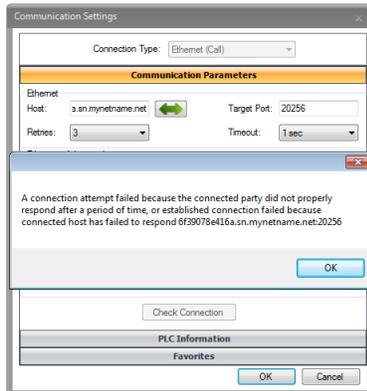
PLC Name is WMI:



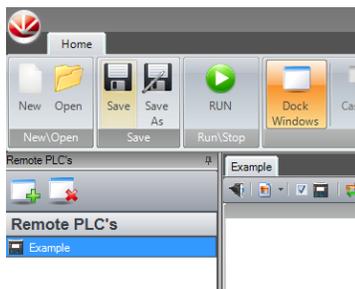
Select "Check Connection" and a window similar to that shown below will appear. This confirms you have successfully connected to your controller:



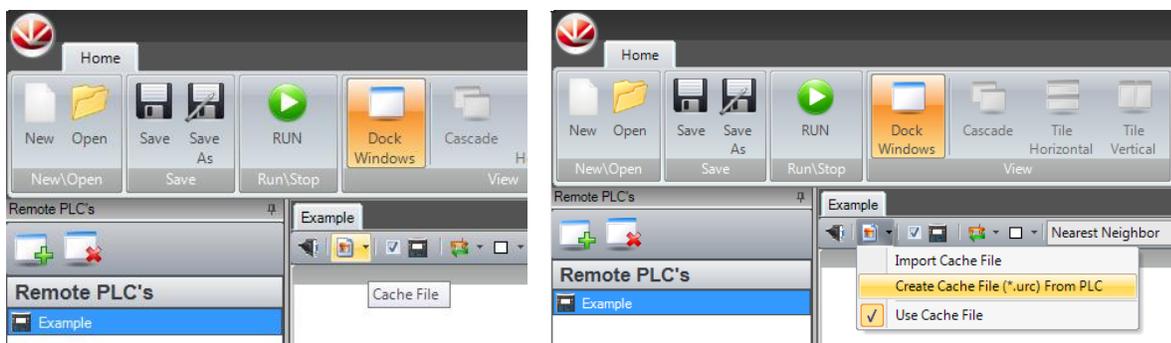
If you are presented with a connection attempt failed notification (similar to below), ensure the steps outlined at the beginning of this manual to connect your controller to your local network have been properly followed.



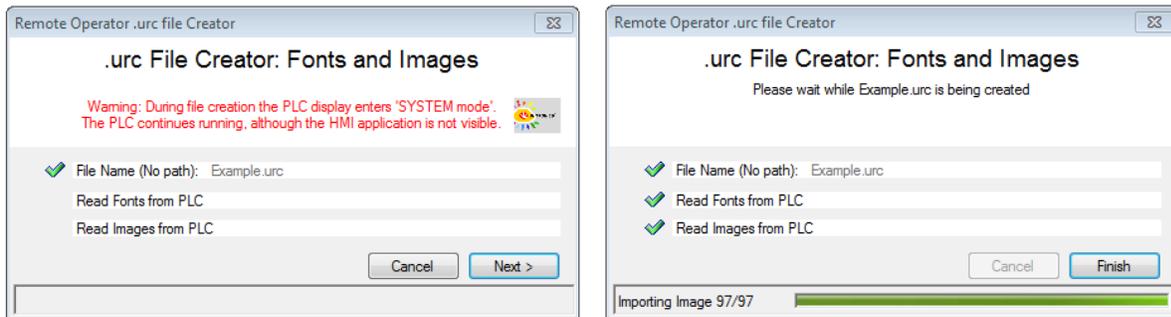
Close Connection Settings and Save. Remote PLC's can be added, removed, or renamed on the left-hand side:



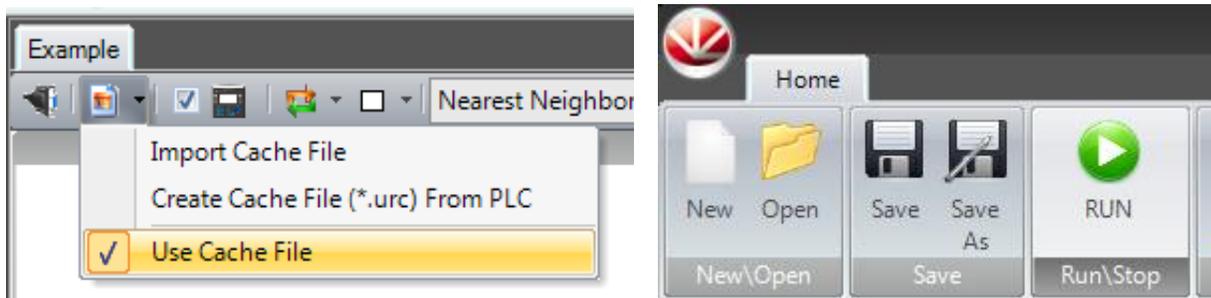
Go to Cache File and select Create Cache File (\*.urc) From PLC:



Enter a File Name (user defined) and select Next. Once the file has been created, select Finish:

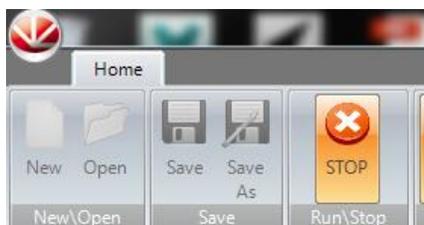


Make sure Use Cache File is selected, and select RUN to connect to the PLC:



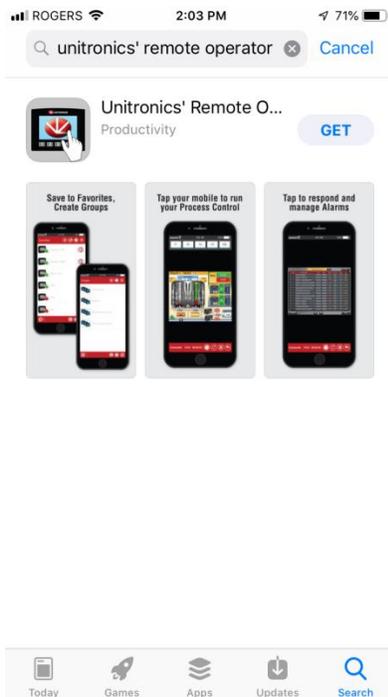
You can now use your mouse to navigate the controller screens. Note that the connection may be delayed; wait momentarily after clicking.

When you would like to exit, select STOP to disconnect:



## Install and setup the remote operator software (iOS or Android)

Download the Unitronic's Remote Operator app through the App Store or Google Play Store:

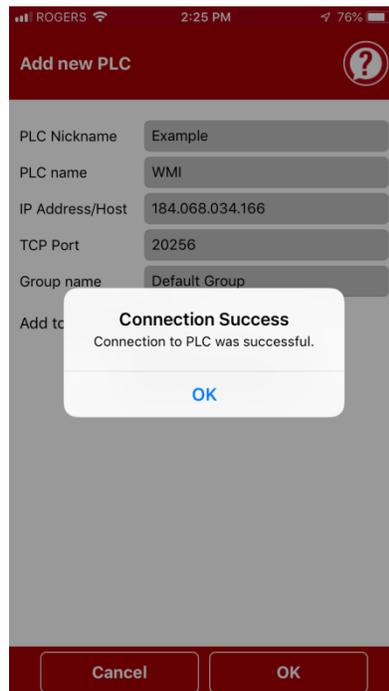
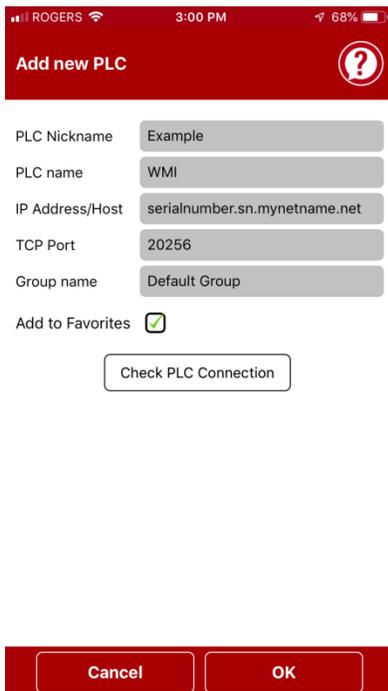


Once opened, you will be prompted to create a password after which you will enter the home screen. Select  to add a new PLC:





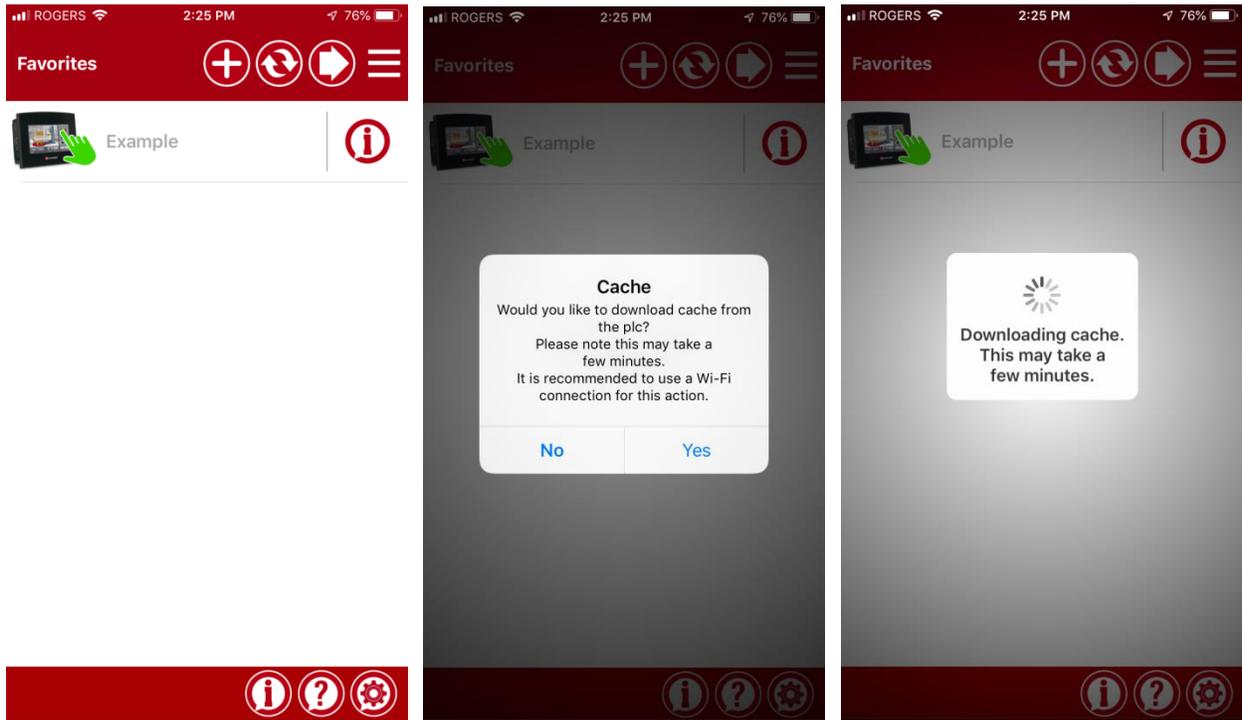
You will then enter the required info and check the PLC connection:



The PLC will then be added to your home screen. When selected, the app will prompt you to download cache from the PLC. Note that this may take a few minutes:



# FUN BUILDS



After the cache has been downloaded, you can connect to your PLC and navigate the various screens and settings:

