

Viron Connect 10 Pool and Spa Controller



WARNING

FOR YOUR SAFETY - This product must be installed in accordance with the latest edition of AS/NZS 3000 and any other local applicable regulations. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty.

Improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death.



ATTENTION INSTALLER – This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

WARRANTY REGISTRATION	Record your equipment details here for quick reference: Model No. : _____ Serial No. : _____
	AUSTRALIA WARRANTY: For full warranty terms and conditions and to register your warranty, visit www.astralpool.com.au/warranty and complete your details. ◀ Or scan the QR code to go directly to the registration page.
	NEW ZEALAND WARRANTY: For full warranty terms and conditions and to register your warranty, visit www.astralpool.co.nz/warranty and complete your details. ◀ Or scan the QR code to go directly to the registration page.

EQUIPMENT INFORMATION RECORD	
DATE OF INSTALLATION	_____
INSTALLER INFORMATION	_____
INITIAL PRESSURE GAUGE READING (WITH CLEAR FILTER)	_____
PUMP MODEL _____	HORSEPOWER _____
CONTINUOUS 240V GPO:	
CHANNEL 1	_____
CHANNEL 2	_____
CHANNEL 3	_____
CHANNEL 4	_____
CHANNEL 5	_____
CHANNEL 6	_____
CHANNEL 7	_____
CHANNEL 8	_____

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SAVE THESE INSTRUCTIONS

Section 1. Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS

All electrical work must be performed by a qualified installer and conform to all national, state, and local codes. When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

WARNING

FOR YOUR SAFETY – This product must only be installed and serviced by an electrician or professional pool technician. The information and processes in this manual must be followed exactly. Failure to follow warning notices and instructions may result in property damage, serious injury or death. Improper installation and/or operation may void your warranty.

This appliance must be installed in accordance with the latest edition of AS/NZS 3000 and any other local regulations.

WARNING

The control box must be hard wired by a licensed electrician to a minimum 32amp circuit – 40 amp circuit is recommended. To avoid a safety hazard, the supply cord if damaged must only be replaced by AstralPool, its service agent or a suitably qualified person.

Power to the control box should be supplied by an isolating transformer or through a residual current device (RCD) with a rated residual operating current not exceeding 30mA.

WARNING

All equipment to be operated from the Viron controller should be connected prior to establishing power to the control box. This includes both power cables and RJ12 data cables. All RJ12 data cables used in AstralPool communication systems are a straight through configuration. The use of cross over cables may cause damage to your system and void warranty.

WARNING

The combined total load all equipment connected to the Viron controller must not exceed 40 amps

WARNING

An approved isolation switch must be installed in the electrical line to the Viron Connect controller. This switch must be positioned in close proximity to the control box.

WARNING

The Viron Connect control system is not intended for use by young children or infirm persons without supervision. Please ensure that young children are supervised to ensure they do not play with the controller.

WARNING

The Touchscreen control may be removed on its extendable lead for programming purposes and refitted inside the Relay box. Alternatively, with the purchase of a longer RJ 12 six wire flat cable, the touch screen may be moved inside the house or under a balcony and mounted for regular use. **Warning:** Do not mount touch screen in direct sunlight or with direct exposure to the elements will void warranty.

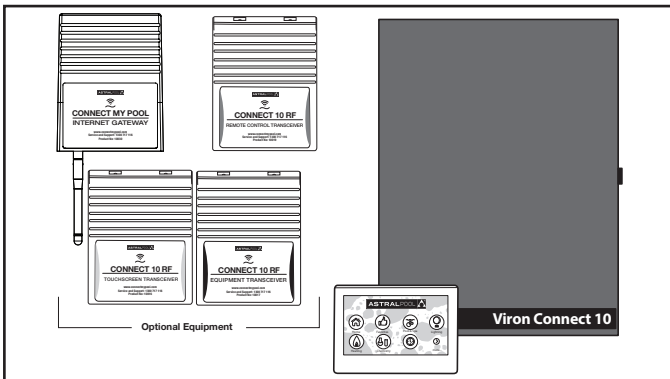
SAVE THESE INSTRUCTIONS

Section 2. System Overview

2.1 Contents

Before starting, check that you have the correct parts as indicated in Table 1. If any parts are missing or incorrect, please call your local distributor or technical support at 1300 186 875 for assistance.

2.2 Viron Connect 10 System



Electrical Box

Wall Mount Screws Ø7 mm (x2)

Wall Mount Anchor (x2)

Touchscreen with mounting base and arms

Optional Equipment:

Internet Gateway, Equipment Transceiver, Touchscreen Transceiver, or Remote Control Transceiver

Table 1. Viron Connect 10 Contents

2.3 Specifications

2.3.1 Viron Connect 10 System

	Wired	Remote	Internet	Wireless
Equipment	Touch-screen	Remote Control Transceiver (optional)	Internet Gateway (optional)	Equipment and Touchscreen Transceiver (optional)
Equipment Outlets	10 (2 continuous power, 8 controllable channels)			
Automation	2 inputs / outputs			
Power supply voltage	240 VAC			
Protection index	IP23			
App	Connect My Pool			
Controls	Heater, Sanitizer Output, Solar			
Valve Outlets	4			

Table 2. Connect 10 System Specifications

2.4 Dimensions

2.4.1 Electrical Box

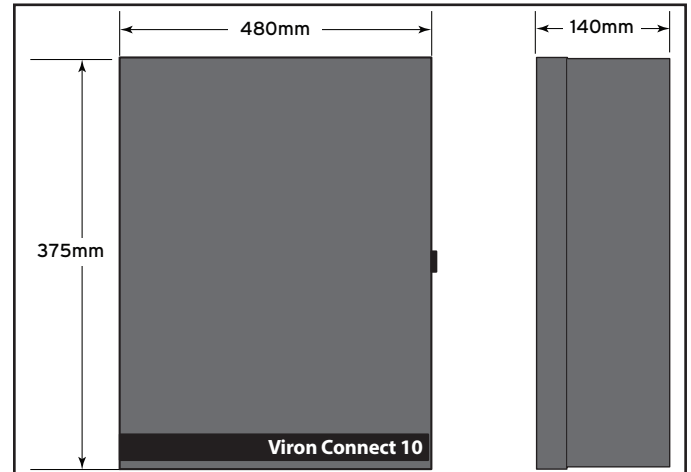


Figure 1. Electrical Box Dimensions

2.4.2 Touchscreen Controller

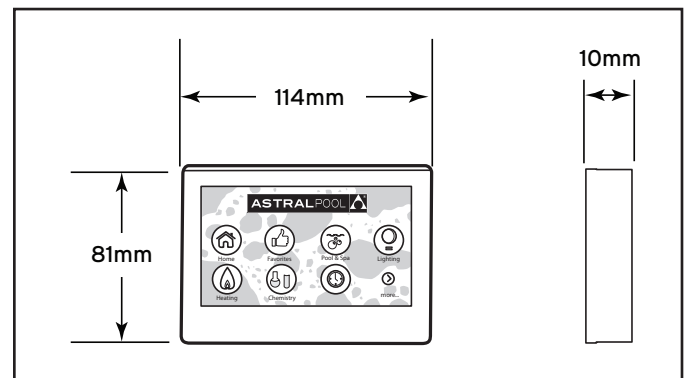


Figure 2. Touchscreen Dimensions

2.5 Materials and Tools

2.5.1 Electrical Box

Tools Needed for Installation
<ul style="list-style-type: none"> Power Drill 7 mm Drill Bit - Hammer Drill Bit (only necessary to drill into brick or concrete) Pencil or Marking Pen Pozidriv Screwdriver

2.5.2 Touchscreen

Tools Needed for Installation
<ul style="list-style-type: none"> PVC Cutter PVC Cement Pencil or Marking Pen Check Valve 50 mm PVC Pipe (40mm optional)

Section 3. System Installation

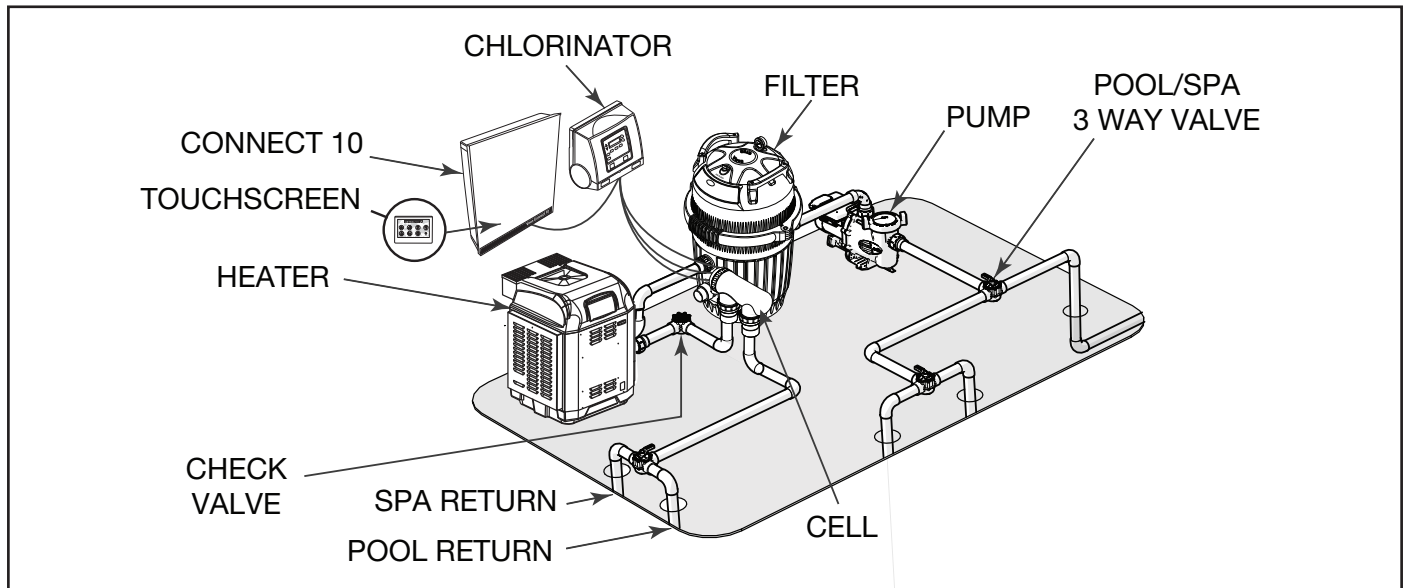


Figure 3. System Installation and Plumbing

The AstralPool Viron Connect provides the pool owner the option to control all pool equipment, valves, heaters and chlorinators from anywhere inside the home or by smartphone. One touch “favourite” menus allow a single touch of a button to turn on your favourite spa pool setting, party settings or water feature and pool lights for a relaxing poolside BBQ. The Viron Connect intelligently controls energy efficient pump speeds, water temperature and pool sanitisers when connected to AstralPool filtration and heating equipment and is highly flexible in the way in can be installed, connected and tailored to suit your lifestyle. See Figure 3.

1. The Viron Connect 10 has the ability to control eight (8) appliances through ON/OFF/AUTO selection and provide continuous power to an additional two (2) appliances.
2. Service mode operation is available from the equipment center control panel for manual override.
3. Customizable ‘Favorites’ programs allow for single touch operation of multiple appliances.
4. Use of up to eight (8) timer periods each day to automatically turn on equipment.
5. Fully automate entire pool system through product integration and programming.

3.1 Install Electrical Box

The electrical box should be installed in a well ventilated position, away from direct sunlight and out of the direct weather where possible. Ensure the unit is not located near pool chemicals as fumes may damage the sensitive electrical components.

Regulations within the latest edition of AS/NZS 3000 require that the electrical box be installed outside of the pool zone. This pool zone extends 3.5m from the edge of the swimming pool.

The electrical box is supplied with masonry plugs and screws. When mounting onto a solid wall, ensure the lowest part of the controller is a minimum of 1600mm above ground level. If being mounted onto a post, a flat weatherproof panel must be used behind the equipment box. This panel must extend 150mm past each side and top/bottom of the controller.

3.2 Mount Electrical Box with Wall Bracket

1. Attach the wall mount bracket to the electrical box using the included screws.
2. Determine the controller location.
3. Use the enclosed bracket to mark the mounting surface through the screw holes.
4. Drill surface with 7 mm bit.
5. Install the included wall anchors.
6. Hang the electrical box with wall mount bracket using the included screws.

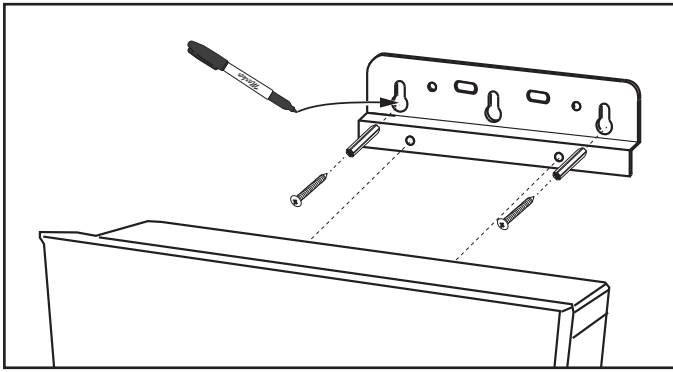


Figure 4. Electrical Box Mount

3.3 Install Touchscreen in Electrical Box

The Touchscreen can be located in the equipment or located inside the home in a convenient location that allows easy access for the whole family. Connection between the Touchscreen controller and the Equipment centre is made with RJ12 cable.

Alternatively, leave the Touchscreen installed in the equipment centre and simply control your whole pool from your iPhone, iPad or Android device via the Internet Gateway.

An optional Wireless Transceivers system eliminates the need for difficult to install cable between the house and the pool equipment. More information regarding wireless operations can be found in Section 4.

1. Remove cover plate from electrical box to access the low voltage connection conduits. See Figures 5 and 6.
2. Route the RJ12 cable through the conduit and connect to the back of the Touchscreen.
3. Place the Touchscreen into the cover plate and secure into electrical box.

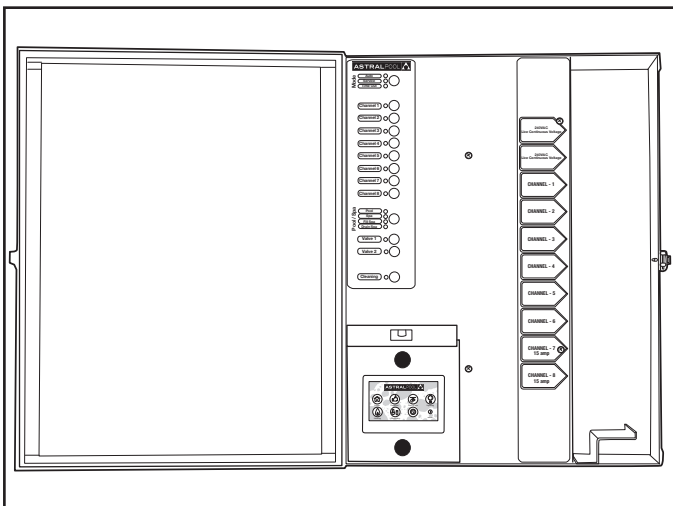


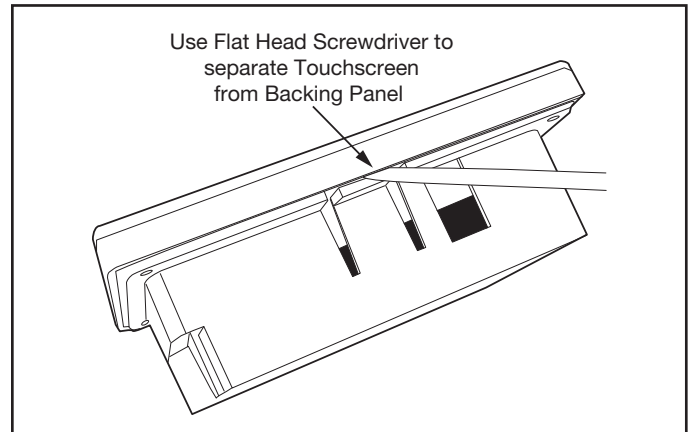
Figure 5. Electrical Box with Touchscreen

3.4 Install Wall Mounted Touchscreen

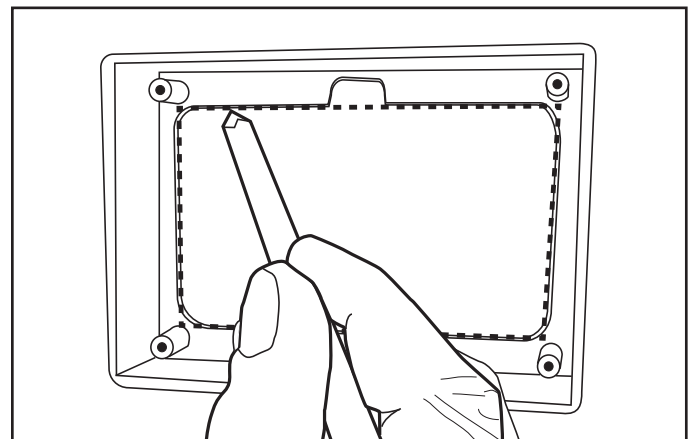
NOTE: The Touchscreen is supplied as a complete unit with a mounting base for solid walls, mounting arms for plasterboard/drywall hollow walls and hardware.

3.4.1 Plasterboard/drywall hollow wall mounting

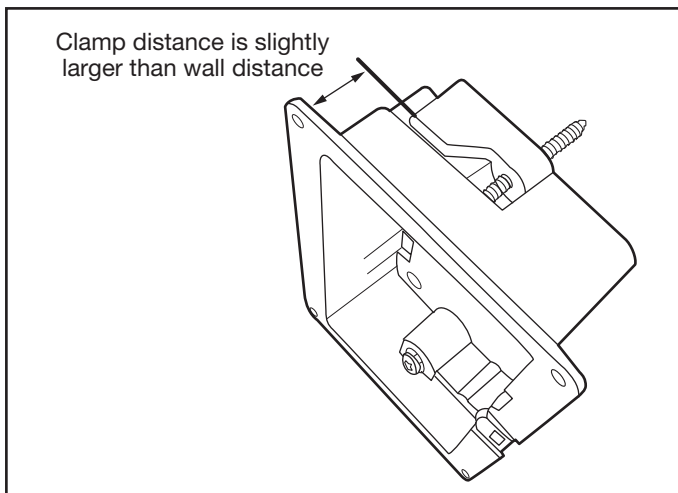
1. Detach the Touchscreen from the mounting base with a flathead screwdriver and remove the base. A click will sound when it is successfully detached.



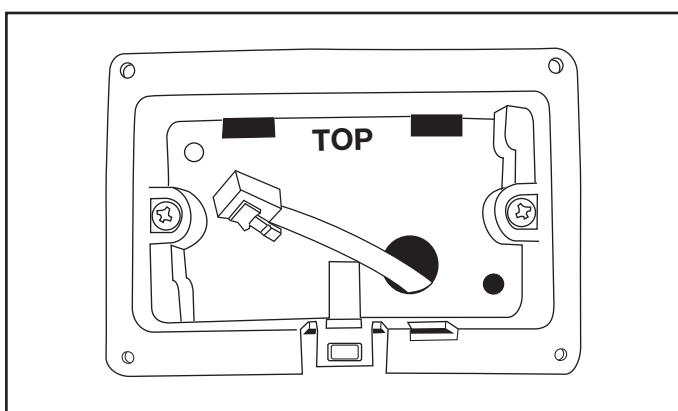
2. Use the cutout at the rear of the surface wall mount base to trace a rectangular cutting template.



3. Cut the wall along the tracing edges using a drywall saw. The corners should be squared.
4. Loosely attach the two (2) mounting arms to the screen backing panel using the provided two (2) screws. Do not tighten until final arm placement.
5. Screw down on the mounting arm until the clamp distance is slightly wider than the thickness of the wall. The arms will face vertically to enable installation into the wall.



6. Feed the communication cable through the hole at the rear of the screen backing panel.

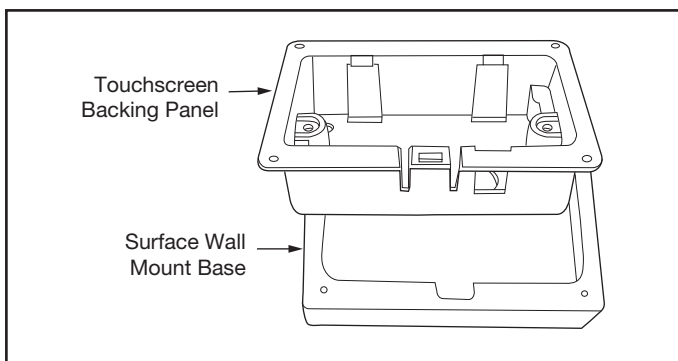


7. Verify the “Top” marking at the rear of the screen backing panel is showing at the top. Turn the screw clockwise to rotate the mounting arms to secure to the wall.
8. Place the screen into the screen backing panel until it clicks into position.

3.4.2 Surface Wall Mounting

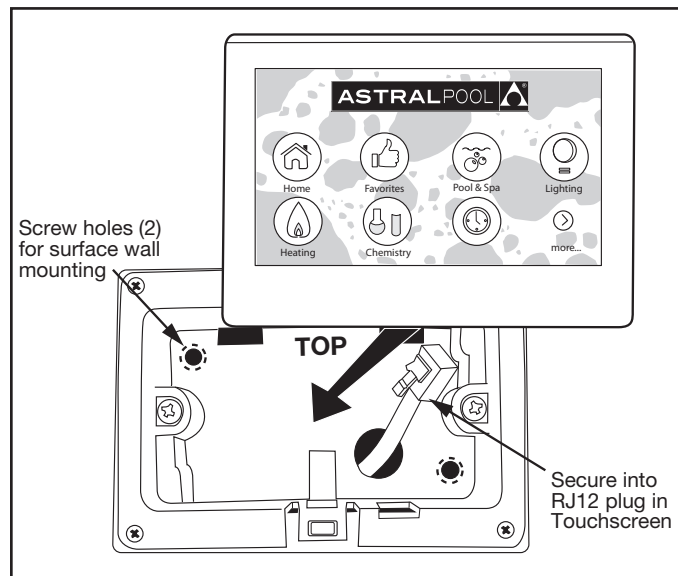
To mount on a solid wall where it is too difficult to recess the screen into the wall, use the Surface Mount base plate provided.

1. Place the screen backing panel into the surface wall mount base and secure with the provided four (4) screws at each corner.



2. Verify the “TOP” marking is on top. Secure the screen backing panel / surface wall mount base assembly onto the wall with the provided two (2) screws.

NOTE: The screw holes in the screen backing panel is identified with a dashed circle.



3. Click the Touchscreen into the screen backing panel.

3.5 Electrical Connections

⚠ WARNING

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The controller must be permanently powered by connection to a 30 mA residential circuit breaker.

A non-replaceable backup power source is incorporated to maintain time-setting memory in the event of a short, infrequent power interruption.

3.5.1 Electrical Box and Touchscreen Wiring

⚠ WARNING

The touchscreen supplied with the Viron Connect 10 Controller System is designed for indoor installation only.

1. Connect the touchscreen to the electrical control box with a 6-wire RJ12 straight through cable. See the low voltage connection conduits in Figure 6.

- Secure the touchscreen into the device plate in the low voltage compartment.

NOTE: If cable connection back to the electrical box is not possible, wireless Transceiver modules can be purchased from AstralPool.

- Connect the Connect 10 electrical box to the power source.

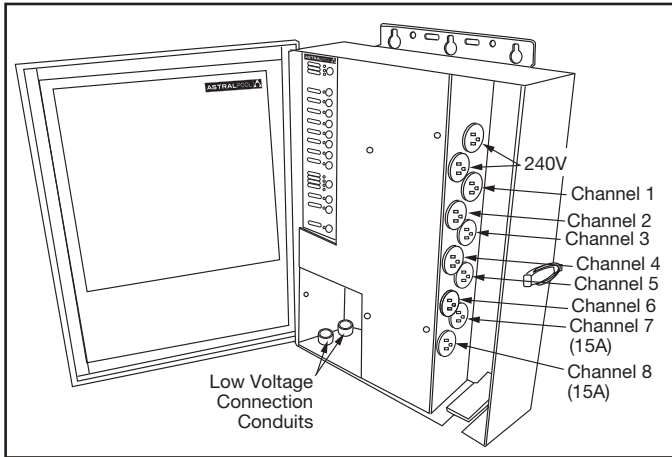


Figure 6. Electrical Box Plug Connections and Low Voltage Conduits

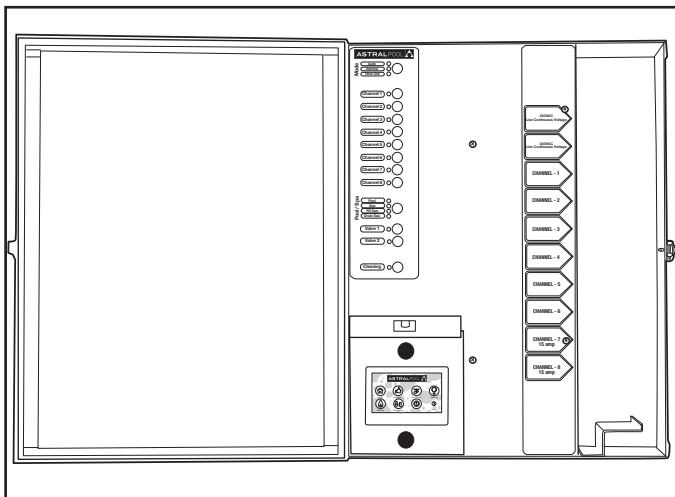


Figure 7. Touchscreen in Electrical Box

3.5.2 Optional Transceiver Connections

There are four (4) optional transceivers that provide extended communication capabilities via WiFi. Section 4 provides further details. See Figure 8.

- Use an RJ12 cable to connect the appropriate transceiver for your communication choice. The RJ12 port is located at the bottom of the transceiver. See Figure 7.
 - Connect 10 RF Remote Control Transceiver to electrical box
 - Internet Gateway to electrical box
 - Equipment Transceiver to electrical box
 - Touchscreen Transceiver to Touchscreen

3.5.3 Appliance Connections

The Viron Connect controller comes with eight (8) 10A GPOs and two (2) 15A GPOs. Two (2) of the 10A outlets supply a constant 240V output for connection of appliances which require active power such as gas pool heaters. The other eight outlets are all switchable from the controller.

When connecting appliances to the outlets of the controller, attempt where possible to start at Channel 1 and use sequential channels from there. This will ensure the easiest operation of the controller. See Figure 6.

- All appliances with communication ability should be linked back to the controller via data cable. AstralPool products capable of this connection include:
 - Viron eVo series pool and spa heaters
 - Viron eVo series variable speed pumps
 - Viron XT pumps
 - Viron series salt chlorinators
 - EQ series chlorinators
 - Halo Chlor salt chlorinators
 - SLX/FLX lighting systems
 - RolaChem dosing systems
 - VX series salt chlorinators
 - HX and JX series pool heaters
 - HiNRG pool heaters
 - ICI series heaters
 - IXI series pool heaters (requires 14608 heater interface)

- When connecting any appliance via data cable to the electrical box, it is important to only use straight through cable. Many off the shelf data/phone cables are cross over configuration and cannot be used with the Viron control system. RJ12 cables of varying lengths are available from your local AstralPool Australia distributor.
- There are six (6) RJ12 sockets located inside the Viron controller. Any appliance can connect to any socket.
- There are four (4) valve actuator sockets located inside the Viron controller. Actuators must be 24VAC and have a maximum current draw of 0.75A. For pool/spa operation, use actuator ports labeled inlet and outlet. For the two (2) auxiliary valves (which can be used for water features, solar, etc), use ports labeled Valve 1 or Valve 2.

Section 4. Communication Connections

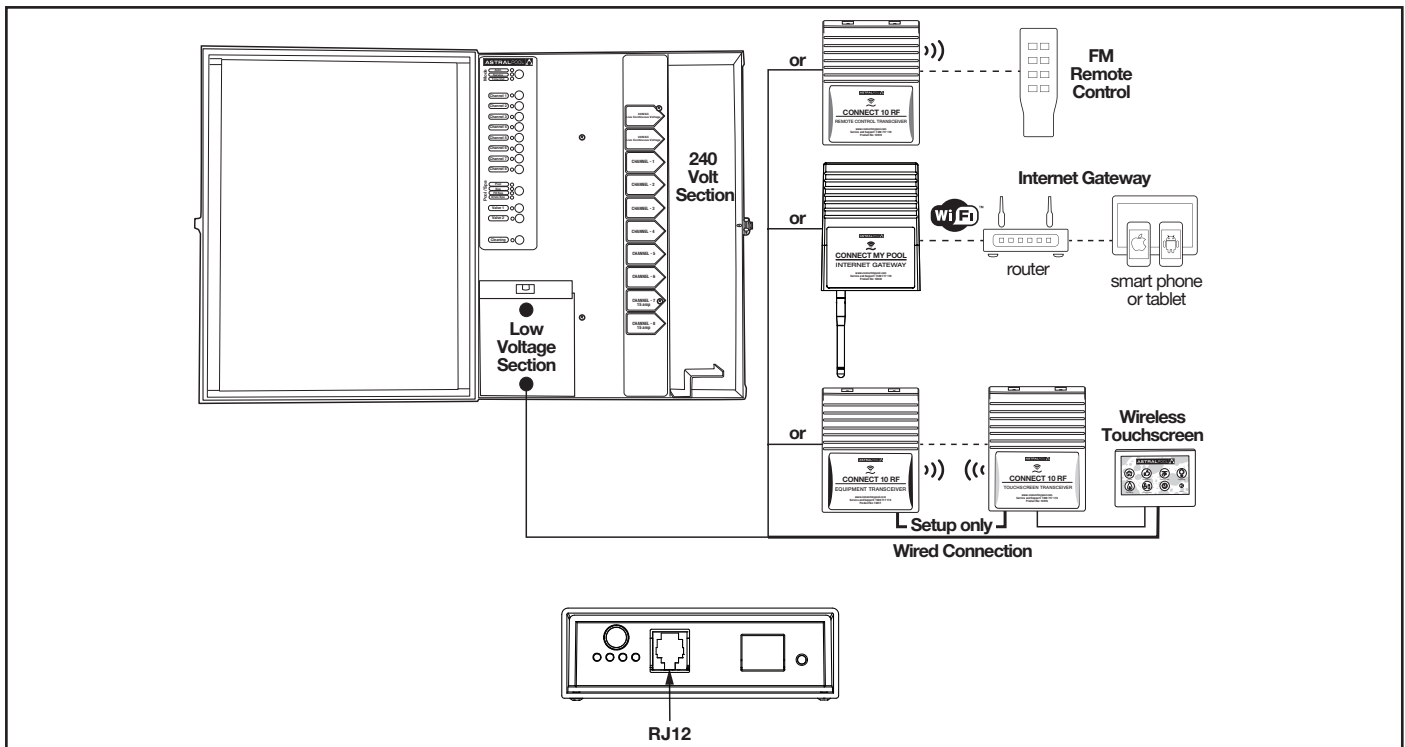


Figure 8. Wired and Wireless Communication Connection Methods

4.1 Cable

A standard wired connection comes included with the Viron Connect 10. See Figure 6 - Wired Connection.

4.2 Wireless

For more flexibility consider the other wireless Connect options for flexibility. There are four (4) optional transceivers that provide the user with a variety of wireless functionality:

- Connect 10 RF Remote Control Transceiver (Part # 10019) works with an FM remote control;
- Internet Gateway transceiver (Part # 10030) works through the Internet with the Connect My Pool App;
- Connect 10 RF Equipment Transceiver (Part # 10017) is wired to the electrical box and communicates via WiFi to the wireless Touchscreen via the Touchscreen Transceiver;
- Connect 10 RF Touchscreen Transceiver (Part # 10016) is wired to the Touchscreen and allows WiFi communication between the electrical box and the touchscreen.

4.2.1 Wireless Configuration

1. For a wireless link system installation, complete the wireless Touchscreen configuration shown in Figure 8 with all components at the same point.

NOTE: The cabled linking of the two (2) transceivers is only required during the configuration process and allows the user to manually assign a new security passcode to their system.

2. Connect the Touchscreen transceiver, Equipment transceiver, Touchscreen controller, and the touchscreen power adaptor together as shown in Figure 8.

NOTE: When selecting the installation point of the Touchscreen, verify that a direct power source is available along with an RJ12 connection to ensure proper operation via access to the Internet.

Section 5. Custom Switches

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⚠ WARNING

Potentially high voltages in the power center can create dangerous electrical hazards, possibly causing death, serious injury or property damage. Turn off power at the main circuit feeding the power center to disconnect the power center from the system.

There are two (2) customizable switch inputs that allow for an operation of a Favourite setting. The inputs are one of two (2) 2-way screw terminals located above the bank of RJ-12 communications terminals on the system board. See Figure 9.

- Wire 1 is the signal wire with a weak pull up to 5V.
- Wire 2 is the ground wire.
- Custom Switch 1 is used to program a single FAVOURITE functions.
- Custom Switch 2 is programmed as ALL AUTO.

An open collector switch can also be used with special attention paid to the wiring polarity. See Figure 10.

NOTE: The contacts should stay open or closed for a minimum of 0.5 seconds to successfully register as active or inactive.

5.2.1 Connecting Custom Switches

NOTE: The external control must not supply any voltage back to the Viron Connect 10.

1. Connect a 2-wire low voltage cable from a customizable switch Wire 1 to the external controller (CBUS or other home automation system).
2. During the Touchscreen installation setup, select YES to activate the external custom switches. See Section 6.

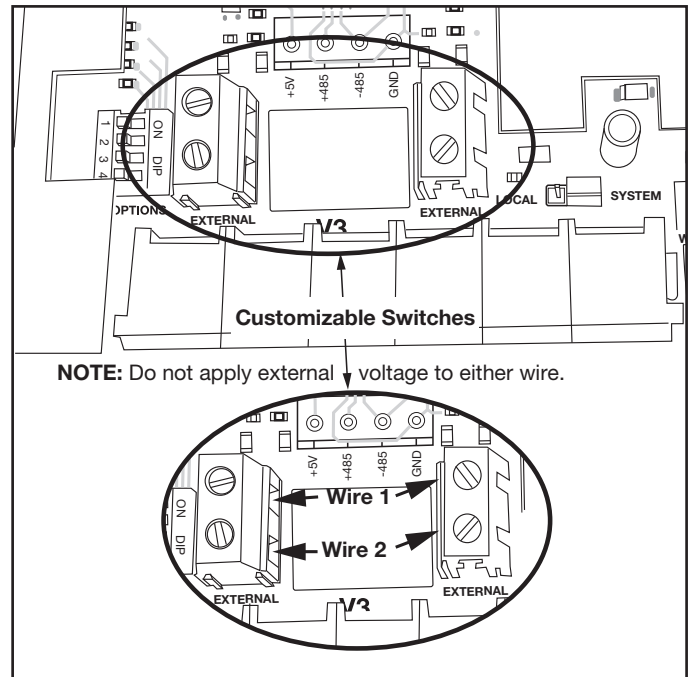


Figure 9. Connect 10 Customizable Switches

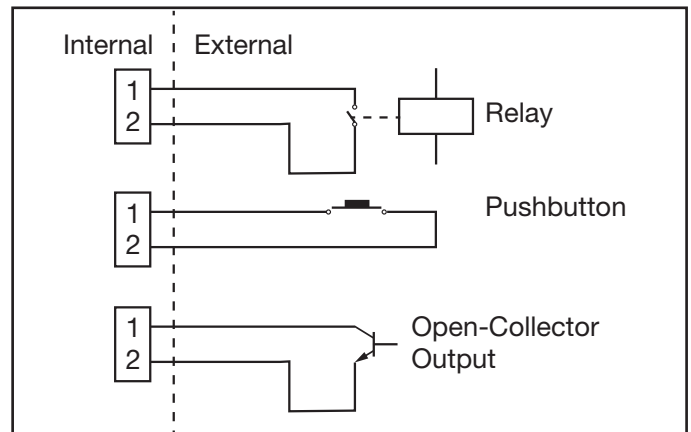


Figure 10. Acceptable Connection Methods

Section 6. System Introduction and Setup

6.1 User Interface Overview

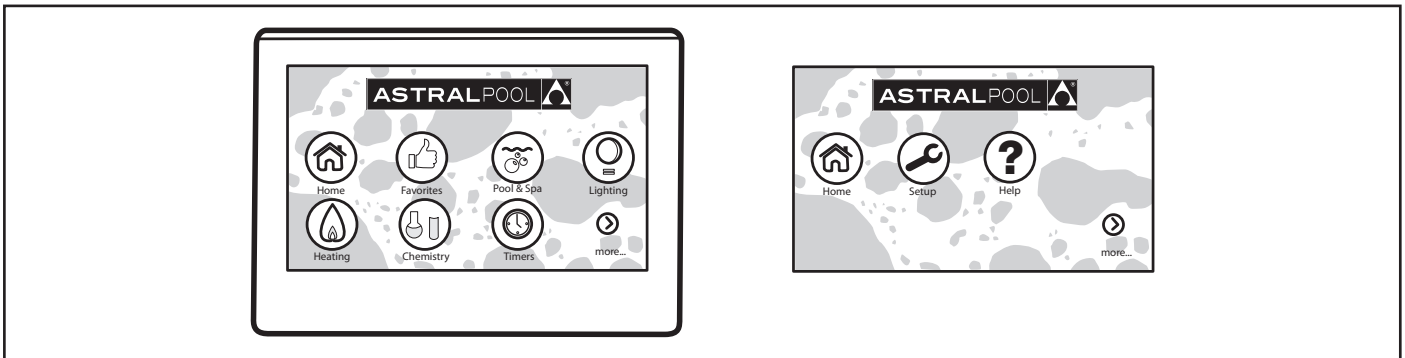


Figure 11. Controller Main User Interface

6.2 Initial start-Up

The Viron Connect 10 pool and spa controller can be operated using the Touchscreen, or by using the Connect My Pool app on a compatible smartphone if an Internet Gateway has been installed.

The Viron Connect 10 pool and spa controller pushbutton operation can control eight (8) appliances in an On, Off or Auto mode:

1. Pool and Spa
2. Lighting
3. Heating
4. Solar
5. Chemistry
6. Favorites
7. Timers

The previous functions can also be manually started and stopped from the pushbutton controls in the Electrical Box. The LED light will activate or deactivate next to the chosen function.

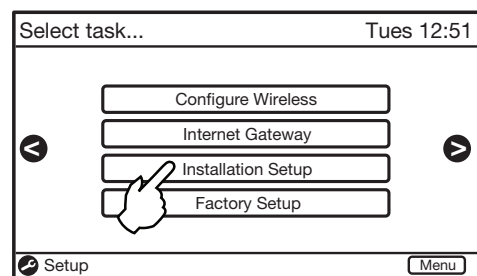
In addition, there are three (3) pushbutton modes:

- AUTO will place the Touchscreen back to All Auto Mode.
- SERVICE will temporarily turn off the Touchscreen and control all auxiliary functions from the electrical box.
- TIME OUT will run a selected function manually for a period of one (1) hour, then revert back to Touchscreen operations.

6.2.1 Touchscreen Controller Setup

SETUP > INSTALLATION SETUP > Enter "1234" for password > CHANGE factory setting > SETUP WIZARD

NOTE: The Setup Wizard is used for the initial setup and programming of the Viron Connect 10 pool and spa controller. Once this process is complete, the Jump To A Section menu can be used.



NOTE: Password = 1234

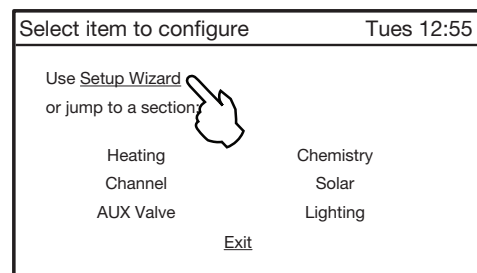
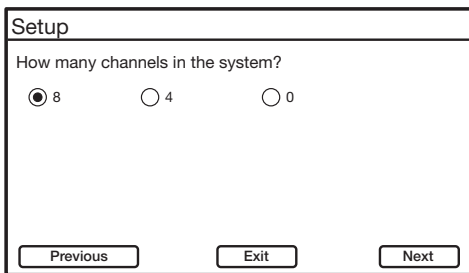
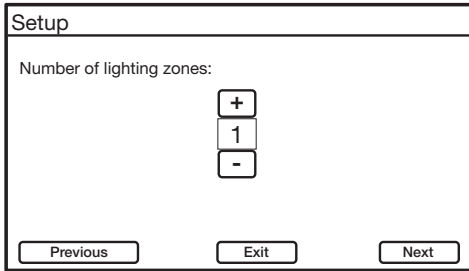


Figure 12. Touchscreen Initial Installation Setup Menus

The Setup process is:

1. Lighting
 - Lighting Zones - select <number> then **NEXT**;
 - Lighting zone name - select <NAME> from list then **NEXT**. Only choose the multi-color light checkbox if using AstralPool SLX or FLX lighting controller.
 - Channel number - select **8** for Viron Connect 10 controller then **NEXT**.



⚠ WARNING
Potentially high voltages in the power center can create dangerous electrical hazards, possibly causing death, serious injury or property damage. Turn off power at the main circuit feeding the power center to disconnect the power center from the system.

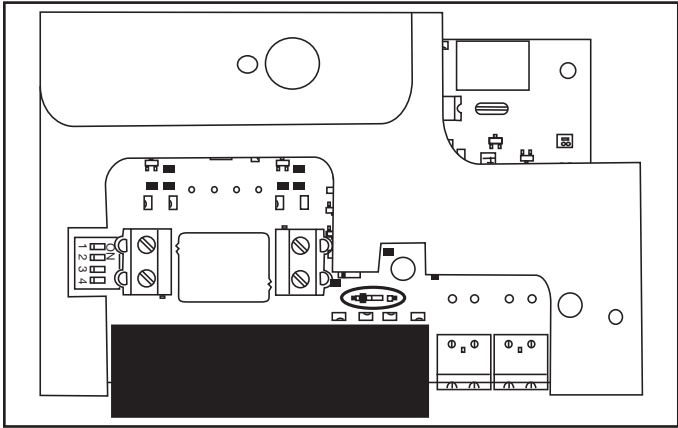


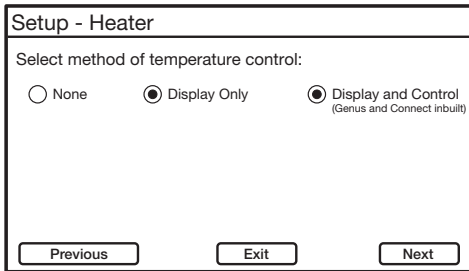
Figure 13. System Board Dipswitch

- Once the dipswitch position is changed and the system is powered up, complete the heater temperature installation in the Setup Wizard. Select **NO > Yes > CELSIUS** or **FARENHEIT > NO**.

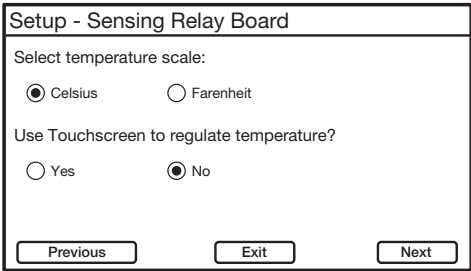
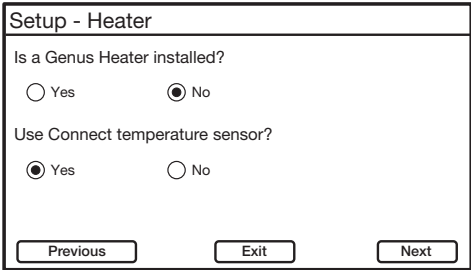
2. Heater

Genus heaters include all gas heaters manufactured by AstralPool including Viron eVo range, HiNRG range, HX range, IXI range (with 14608 heater interface) and JX range.

- If installed, then **YES > NEXT** for Solar



- None - Will not display any heating information
- Display only - Will only display a temperature, but no control function is gained from its information.
- Display and control (genus and connect inbuilt) allows the temperature data to be used to control heating functionality
 - If a non-AstralPool heater is installed, or NO heater is installed, the Local/System pin configuration on the system board must be changed from System to Local by sliding the plastic bridging to the left. For use with a non-AstralPool Heater, The relay board can be used for temperature sensing by selecting yes during the heater setup.



3. Solar

If the Solar control feature of the Viron connect 10 is being used, select **CONNECT INBUILT > YES** for daily solar flushing > **YES** or **NO** for Filter Pump > **4° C - 10° C** for solar turn on differential.

Setup - Solar

Select model of Solar Control:

None

Connect Inbuilt

Recommend to flush water daily to keep from stagnating.

Setup - Solar Options

Flush solar collectors daily?

Yes No

Is the filter pump required for solar operation?

Yes No

Setup - Solar Options

Configure turn-on differentials (°C):

4

- If there is no solar, then move to Pool and Spa modes

Setup - Solar

Select model of Solar Control:

None

Connect Inbuilt

4. Pool and Spa Modes

If automatic valves are being used to switch between pool and spa, then select **YES > YES** for auto return > **3, 6 or 12** hours for return to preset timers.

Setup - Pool/Spa Modes

Use separate pool and spa modes?

Yes No

Automatic return to All Auto?

Yes No

Select return time:

3 hours 6 hours 12 hours

5. Channel 1 to Channel 8

Configure the appliances on each channel of the Viron Connect 10 pool and spa controller. The options are **UNUSED, LIGHTING, POOL EQUIPMENT, CONTROLLED HEATER POWER** and **SOLAR**.

NOTE: Repeat for each channel until complete.

Setup - Channel 1

Select this channel's function:

Unused

Lighting

Pool Equipment

- **Unused Channels**
Select if the channel is inactive.
- **Lighting Channels**
Select specific lighting zone is associated with the channel. If not showing, return to Step 1 Lighting Zones for available names.
- **Pool Equipment Channels**
Select timer usage, then name/purpose of equipment associated with the channel. If a name cannot be found, then Custom name can be created.

Setup - Channel 1

Select this channel's function:

Unused

Lighting

Pool Equipment

Setup - Channel 1

Select channel's equipment:

Filter Pump	Cleaning
Heater Pump	Booster
Waterfall	Fountain
Spa Pump	Solar Pump

Setup - Channel 1

Is this a variable-speed pump?

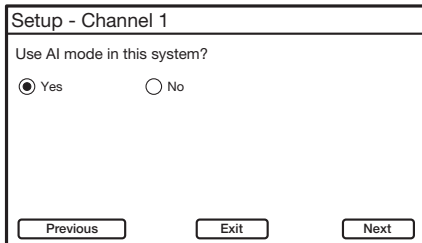
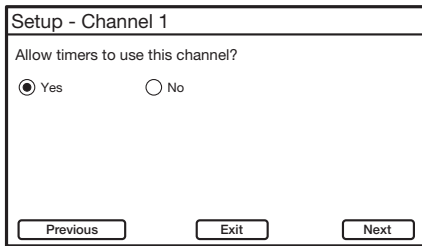
Yes No

Only AstralPool eVo and XT range, or variable-speed pumps when connected by RJ-12 cable are compatible with Viron Connect 10 programmed as a variable-speed pump.

NOTE: If a single speed, 3 speed or variable-speed pump is connected and programmed as a variable speed pump without the RJ-12 communication cable, they will continually remain on as the AstralPool Connect system opens the relay to the pump and controls On/Off/Speeds through its communication.

- **Controlled Heater Power Option**
Select if using a non-AstralPool gas heater or heat pump to turn power on and off through the heating menu.
- **Solar Option**
Select if the Viron 10 pool and spa controller is configured to operate solar with an independent pump.
- **Timer**
Select if using a timer to control the channel.

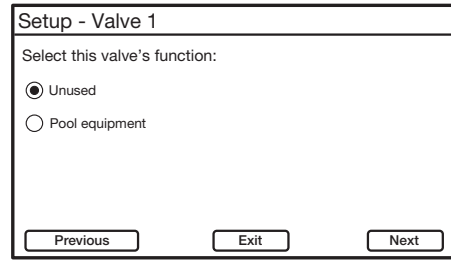
In addition to an AstralPool eVo or Viron XT pump, AI mode requires the use of a compatible AstralPool chlorinator with ORP and pH probes and dosing capability connected to it.



- **Minimum Heater On Speed**
Select if using a Genus heater with a variable speed pump to set the pump's operational speed when ON. This minimum speed must ensure the pump is receiving sufficient water to activate the water pressure switch.

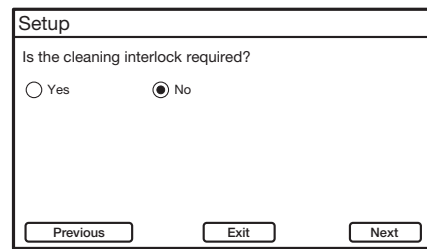
6. Auxiliary Valves

Once channels are set, the two (2) auxiliary valves are set to run independently of all other controls. It can be used for solar, water features, pool water drainage and other functions controlled by a manual valve



7. Cleaning Interlock and Heat Demand
Select if prior settings require cleaning interlock and heat demand.

- Cleaning interlock will prevent the infloor cleaning system from activating without the filtration pump operating, as well as in Spa Mode.

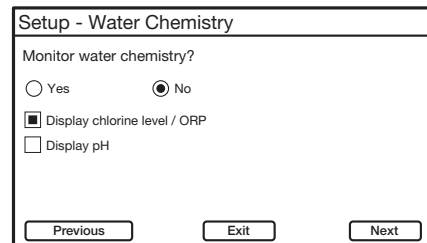


- Once activated, heat demand will sample the water temperature on an hourly basis during a programmed period. The heater will activate if the temperature is below the set point and continue until the temperature is reached.

8. Water Chemistry

Select if using a compatible AstralPool Salt Chlorinator or a pH/ORP controller to use the Touchscreen to view the readings and set points.

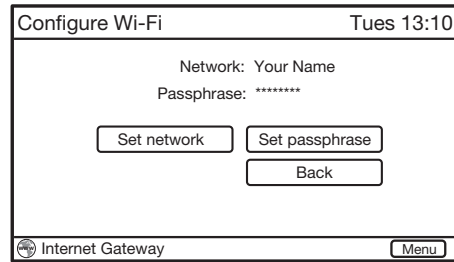
NOTE: Both pH and ORP cannot be selected. Use the chlorine setting for a salt chlorinator. The ORP setting is used for controllers with an ORP probe.



9. Customizable Switches

The factory default is NO. Feature can be activated and assigned to a Favorite. See more details in Section 5.

10. The final summary screen will show the current setting. Select **EXIT** to complete the wizard setup. Use the **WIZARD SETUP** to restart the process or **JUMP TO** functions to make changes.



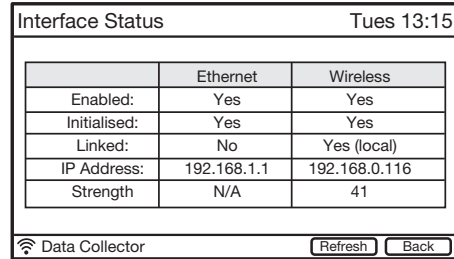
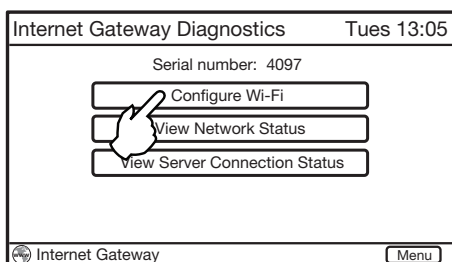
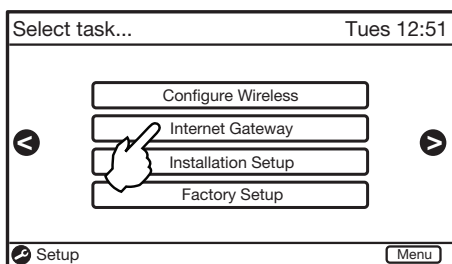
6.2.2 Touchscreen Internet Setup

SETUP > INTERNET GATEWAY > CONFIGURE WIFI > SET NETWORK > Backspace to remove name > **SET PASSPHRASE >** Enter passphrase > **BACK > VIEW NETWORK STATUS**

NOTE: Network names and passphrases are case sensitive.

- If the serial number shows **???**, then the Touchscreen is not communicating with the Internet Gateway. See troubleshooting for more info.
- The Internet Gateway passphrase is found on the registration sticker that came with the system packaging.
- The WiFi signal should be 29 or greater. If it is less than 29, the Internet Gateway should be moved closer to the home WiFi source for a more stable connection.

1. Under **SETUP**, click on the **INTERNET GATEWAY** button.
2. Click **CONFIGURE WIFI** to set up network name and passphrase.
3. **SET NETWORK** name and **SET PASSPHRASE**. Use backspace to clear the name. Verify case when entering new information.
4. Click **BACK** in the Configure Wifi screen then select **VIEW NETWORK STATUS** to verify the status is operational.



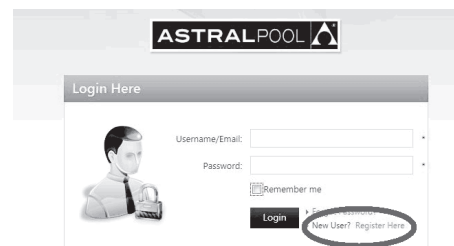
6.2.3 Registration Completion

The Viron Connect 10 pool and spa controller system must be registered in order to use the Connect My Pool app.

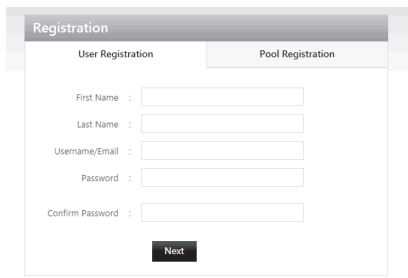
The Internet Gateway serial number and passphrase are needed to complete the registration process,

NOTE: The system should be registered under the pool owner’s name. Access to other users can be configured once the registration is confirmed.

1. Go to connectmypool.com in your Internet browser.
2. Click on **REGISTER HERE** at the bottom of the login page.



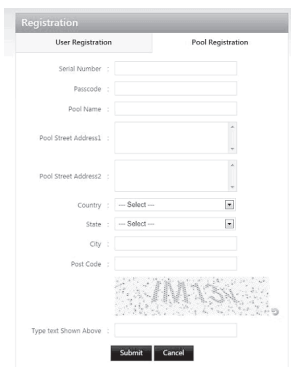
3. Complete the User Registration information using a valid email address. A confirmation link will be sent to complete the process.
4. Create a password for access to the Connect My Pool app.



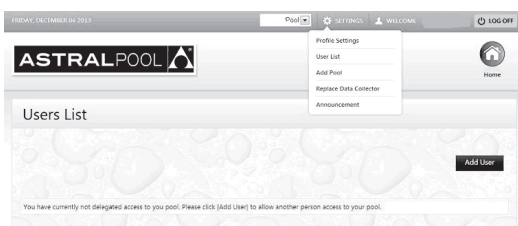
5. Click on **NEXT** to complete the pool registration information.
6. Enter the serial number and passphrase found on the registration sticker.



7. Enter the pool name, which will show on the Connect My Pool app, and the physical address.



8. Click on **SUBMIT** to complete. An email confirmation will be received with a link to complete the process.
9. When the registration is complete, logout for ten (10) minutes then login again. The programming information from the Touchscreen will be available on the User page.



10. Additional users can be added to the user list to allow their use of the Connect My Pool app on their smart phone or tablet.

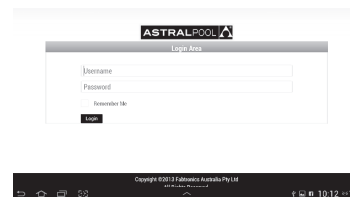
SETTINGS > USER LIST > ADD USERS > enter USER NAME > enter EMAIL ADDRESS > enter PASSWORD

NOTE: Each user will receive a confirmation email with a link to complete their registration process.

If the Connect My Pool app is not working, the user can access their information through the Internet. Click on the Connect My Pool icon on the desktop to start the application and login.



Desktop Icon



6.2.4 Connect My Pool App

The Connect My Pool App can be downloaded from the Apple App store or from The Google Play store. It is used with the Internet Gateway (if installed) and allows for wireless WiFi or wired Ethernet control for the Viron Connect 10 pool and spa controller and other compatible AstralPool lights and pumps.

- Simple digital pushbutton controls
- On/Off, Auto or Manual, Pool or Spa Modes
- Compatible pump speed controls (low, medium, and high), compatible light controls, and individual timer setup.

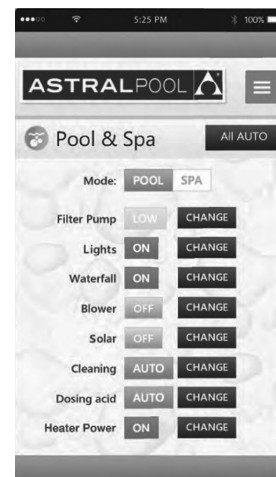


Figure 14. ChlorinatorGo App Screen

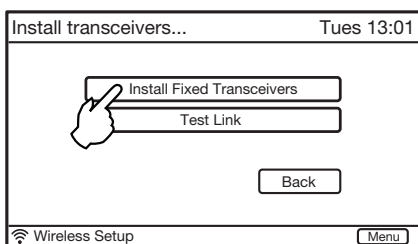
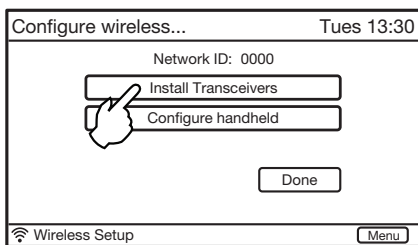
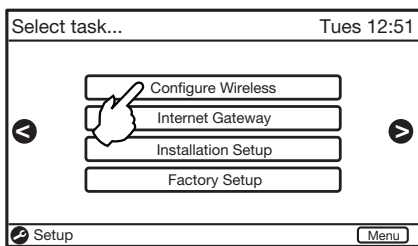
6.2.5 Equipment and Touchscreen Wireless Transceiver Setup

SETUP > CONFIGURE WIRELESS > 1234 > INSTALL TRANSCEIVERS > INSTALL FIXED TRANSCEIVERS > CLEAR > (Network ID #) > SELECT > (transceivers updated) > NEXT > (position transceivers) > TEST LINK > (verify 100 /100) > NEXT > CONFIGURE HANDHELD or DONE

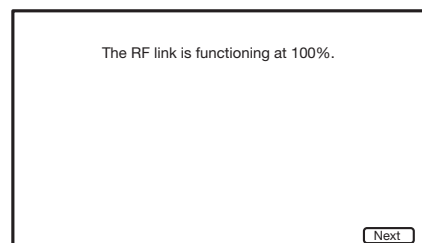
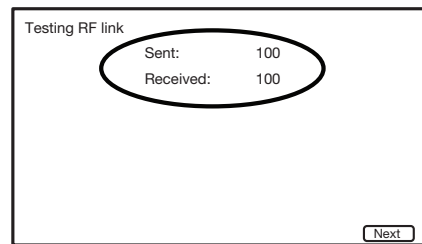
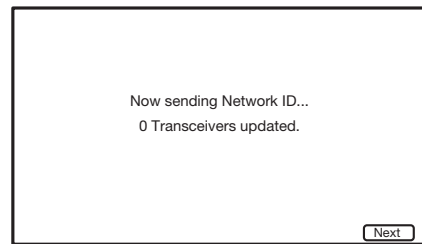
- The password “1234” enters the user into the wireless configuration menu.
- The Network ID number is unique to your system and should be easily identifiable in the network menu choices.
- The transceiver update process sends the chosen Network ID to the cable linked transceivers.
- Position the transceivers in the final installation location. If the 100 packets sent do not result with 100% received, the transceivers will need to be relocated until 100% received is reached.

1. Click on **CONFIGURE WIRELESS** and enter **1234** for password to access wireless configuration menu.
2. Click on **INSTALL TRANSCEIVERS** to see the current Network ID and then click on **INSTALL FIXED TRANSCEIVERS**. Click on **CLEAR** and enter a unique Network ID that will be recognizable in the wireless network in your area.

NOTE: Password = 1234



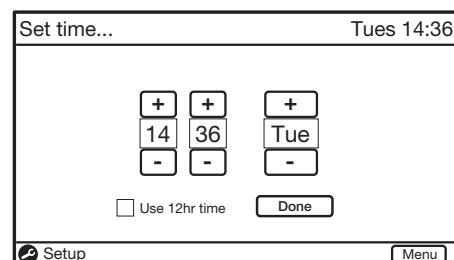
3. Once the equipment is linked, click **SELECT** to send the new Network ID to the transceivers. When two (2) transceivers are updated, click **NEXT** to continue the wireless configuration process.
4. Position the transceivers in their final position and click **TEST LINK** to test the strength of the wireless link between transceivers. Packets sent and received must achieve 100% result. If lower, reposition transceivers and test again.
5. If using a handheld RF remote, click on **CONFIGURE HANDHELD** (see second window above) and complete the process.



6.2.6 Setting Clock

SETUP > SET TIME > HOUR > Up or Down > MIN > Up or Down > DAY > Up or Down > DONE to Save

NOTE: The clock is a 24-hour clock, but the 12-hour checkbox can update the time to a 12 hour format.

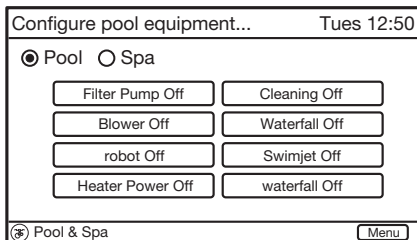


Section 7. Operations

7.1 Programming

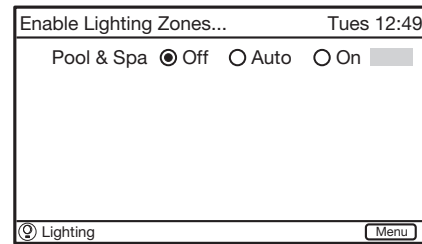
7.1.1 Pool and Spa Options

- Click **POOL & SPA** on the main menu screen.
 - All equipment not allocated to a specific category (ie Lighting, Heating, etc) will be located in the Pool & Spa menu screen.
- Click on the desired equipment to turn On or Off. Depending on timer configuration, the user can toggle between On, Off or Auto.
- Click **MENU** to return to the main menu.
 - If installed and configured, the heater (gas or electric) can also be turned On and Off from this menu. For temperature adjustment, see Section 7.1.3.
 - Operation of motorized valves for pool/spa combinations can be selected by choosing either POOL or SPA radio button.
 - Separately allocated and named valves (Valve 1 & Valve 2) can be operated from this menu.



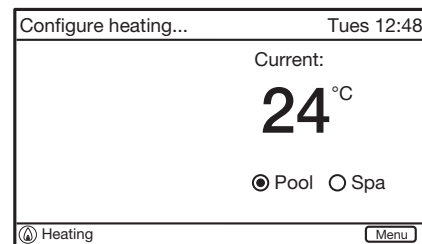
7.1.2 Lighting

- Click **MENU** to return to the main menu. Click on **LIGHTING** on the main menu screen.
 - All lighting channels allocated to a zone will be displayed in the lighting section.
- Click on On, Off or Auto radio button. Auto will also be shown if another product has a timer allocated to it.
- Click **MENU** to return to the main menu.
 - For AstralPool SLX or FLX Delta multi-colour lighting systems: Change the light's colour setting by clicking on the colour chip on the right of the screen to expose the full color palette.



7.1.3 Heating (if applicable)

- Click on **HEATING** on the main menu screen.
 - The current water temperature and set temperature will show on the screen. If using pool and spa mode, different water temperature set points can be chosen for both.
- Adjust the set temperature by clicking on either Pool or Spa radio button
- Set temperature by using the Up and Down arrows to the right of the set temperature.
 - Use the Heater On or Off radio button to operate your heater. **NOTE:** Water flow must be present before heater will function).

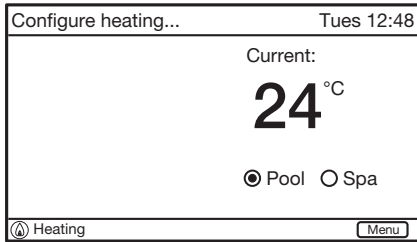


7.1.4 Solar (if applicable)

- Click **SOLAR** on the main menu screen
- Click on + or - to adjust the set temperature to desired setting.
- Click on Solar button to toggle between On, Off or Auto.
 - Off turns solar manually off;
 - On turns solar manually on;
 - Auto turns solar to automatic operation. **NOTE:** If there is sufficient heat difference between pool water and collector temperature, solar will operate. Differential is set at initial installation set-up stage. See Section 6.2.1 - 3. Solar.

4. Toggle Summer / Winter button.

- Summer provides normal operation of Solar.
- Winter operates solar pump for 5 minutes per day to flush collector if AUTO is selected.



7.1.5 Favorites

The AstralPool Viron Connect 10 pool and spa controller system can program a ‘One Touch’ Favorite settings to operate numerous products simultaneously for specific purposes.

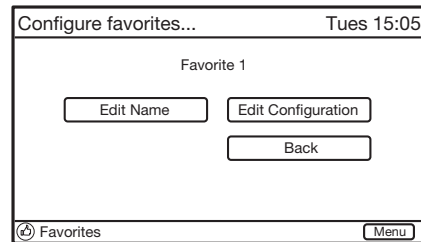
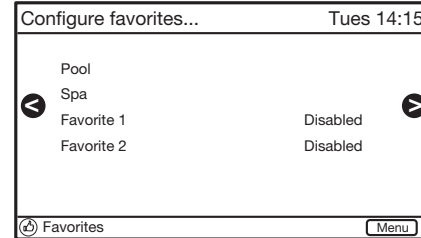
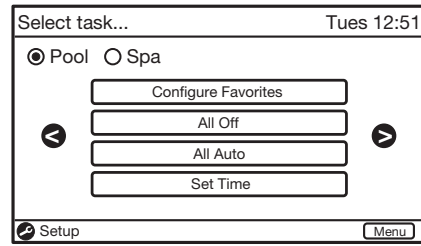
A total of eight (8) favorite settings can be programmed and accessed by selecting personalized names that combine custom pool and spa environment features. Two (2) are pre-configured for your convenience. Pool and Spa can also be modified. Six (6) additional favorite allocations can be programmed to your specific requirements.

To program a new favorite setting or modify an existing one:

1. Click **SETUP** from the main menu screen.

NOTE: Scroll right with the ‘more’ button if it does not appear in this first window.

2. Click **CONFIGURE FAVORITES** to start the setup process of a favorite setting.
3. Click **FAVORITE 1** from the Configure favorites list to view three (3) options.
4. Click **EDIT NAME** to change the default “Favorite” name to a custom name that is identifiable.
5. Click **EDIT CONFIGURATION** to select all desired equipment. The Edit window will return after selections are made.
6. Click **BACK** to return to the Configure Favorites list window. Click **DISABLE** to toggle to Enable. All favorite options that are enabled will show from the **FAVORITE** menu.



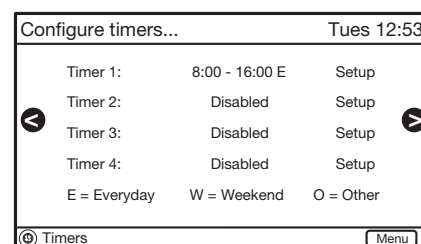
7.1.6 Timers

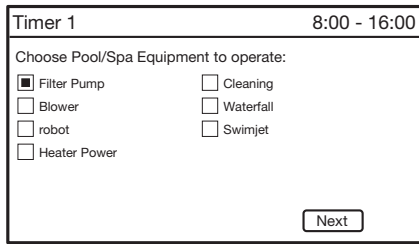
The Viron Connect 10 pool and spa controller has eight (8) programmable timers that can be set to operate at any time during the day. Timers settings choices are Everyday, Weekend, or Other.

Chosen daily timers will show the selected designation’s beginning letter (i.e ‘E’ , ‘W’ , or ‘O’) next to the timer.

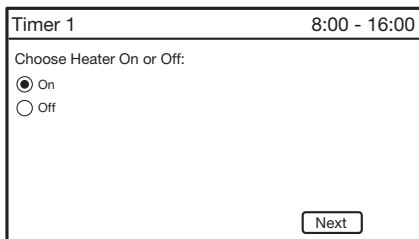
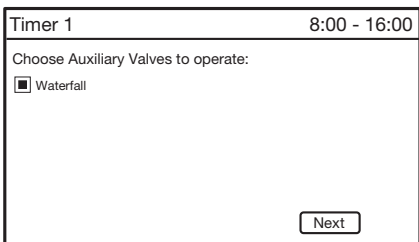
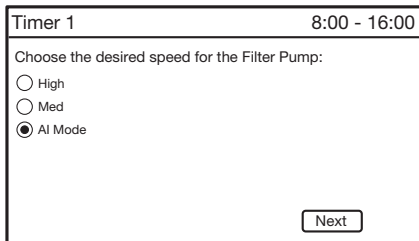
When setting timers, do not cross over any timer period or day selection into one another. Crossing over timers or days can cause conflict within the software of the controller and result in erratic operation of equipment.

1. Click **TIMERS** from the main menu screen.
2. Starting with Timer 1, Click **SETUP**.
3. If configured, click **POOL** or **SPA** mode radio button then **NEXT**.
4. Click on all checkboxes associated with equipment to be run in this timer period.

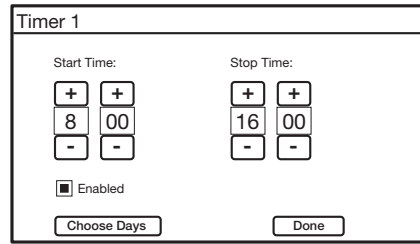




5. If system is configured with a variable (multi) speed AstralPool pump, click on Low, Med or High radio button for the Filter Pump speed then click **NEXT**.
 - This function only accessible with use of RJ12 Data cable.
 - If using an AstralPool chlorinator with ORP and PH control and have enabled AI mode, click on AI Mode radio button. **NOTE:** AI mode is selected in initial set-up mode. If AI mode has been programmed, you will not have the option to select low speed.
6. For any installed auxiliary valves, click the checkbox next to the feature and then click **NEXT**.
7. If heater is installed, click **ON** or **OFF** radio button then click **NEXT**.

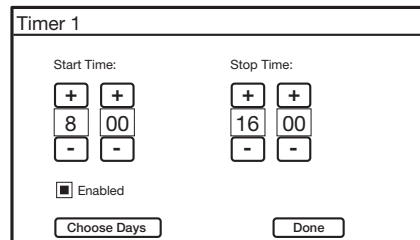


8. If installed, click on lighting zone checkbox then click **NEXT**.



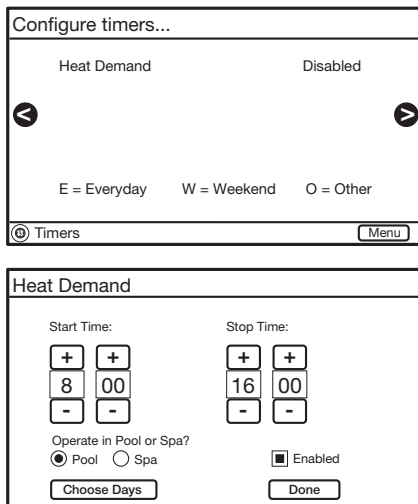
9. Click **DISABLED** next to the new timer to continue to setup all necessary timers.
10. Click on **+** or **-** buttons to set the hour and minutes for the start and stop times of the new timer. The **ENABLED** checkbox will automatically select. Click **DONE** to complete the new timer setup.

NOTE: To turn off the timer, click on the **ENABLED** checkbox again.



11. Repeat steps 9 and 10 until all timers are setup and enabled.
12. The final timer is for the **HEAT DEMAND**, which turns on the heating or filtration pump for water sampling at the top of every hour. **NOTE:** If the temperature is below the set point, the pump will continue to operate until the temperature is reached.
 - Click **HEAT DEMAND** at the bottom of the timer list. **NOTE:** This timer will not appear unless it was configured in the initial setup.
 - Click on **+** or **-** buttons to set the hour and minutes for the start and stop times.
 - Click on **POOL** or **SPA** mode radio button.
 - Click **CHOOSE DAYS** to set the days this feature will turn on.
 - The **ENABLED** checkbox will automatically select. Click **DONE** to complete the new timer setup.

NOTE: To turn off the timer, click on the **ENABLED** checkbox again.



13. Confirm there are no time crossovers in the enabled schedules.
14. Click **MENU** then **HOME** to view screen with **ALL OFF**, **ALL AUTO** and **MENU** buttons.
15. Click **ALL AUTO** to turn on the enabled timers.
16. The HOME screen will show the status of all pool equipment being run by the Viron Connect 10 pool and spa system.



7.1.7 External Non-Genus Heater Control

If a non AstralPool heater is installed or a non Genus compliant heater (such as AstralPool heat pumps), the Viron Connect system can be configured to operate and control the heater from the touchscreen.

NOTE: If you have an AstralPool compliant gas heater installed, do not proceed with the following steps.

- One channel of the Viron Connect controller must be allocated to Controlled Heater Power.
- This can be any of the channels 1 through 8. This channel will now be activated and controlled thermostatically and will only turn on when the set temperature is higher than the water temp.
- A Viron Connect Temperature Sensor Kit must be purchased to operate this feature. This can be purchased through any AstralPool dealer.

To install and operate an external heater;

1. Complete the Wizard Setup as shown in Section 6.2.1 At step 2, Click **NO** to Genus heater and **YES** to use relay board for temperature sensing.
2. Continue through the Wizard Setup until asked to set up the channel for controlling the heater. For the channel function, click **CONTROLLED HEATER POWER**.
3. Continue through remaining installation setup.
4. The temperature sensor for the controller must be installed in the system plumbing prior to the heater.

- The sensor kit is supplied with a 50mm PVC connections to allow easy installation.
- The sensor probe must be plugged into the Viron Connect 10 pool and spa controller in the entry port labelled water temperature, located directly next to the RJ12 data ports.

NOTE: If the solar feature of the Viron Connect system is being used, you cannot operate the external heater function. Please contact AstralPool for further advice if this situation arises.

5. For heaters supplied with a 10A cable, plug the appliance into the corresponding channel of the Viron Connect 10. This channel is programmed as **HEATER POWER**.
 - For appliances rated at 15A, use Channels 7 and Channel 8.
 - For appliances rated in excess of 15A (such as heat pumps), an electrician will be required to configure a relay/contactor setup to allow correct operation.
6. Set the temperature on the heater thermostat to its maximum setting. Once configured the Viron Connect will control the temperature making the thermostat on the heater redundant.
7. Using the Touchscreen, click **HEATING** from the main menu.
8. Select heater to be turned On or Off and adjust the temperature up and down. Once temperature is achieved, the Connect controller will cut power to the heater to prevent any further rise in temperature.

7.1.8 Standard Solar Control via Auxiliary Valve

1. During the Wizard Setup, click **CONNECT INBUILT**. See Section 6.2.1 step 3.
 - The Viron Connect 10 will ask if the Filter pump is required to run when the solar is on. If valves will be used to divert water to the solar collector (instead of a separate pump), click **YES**.
2. The Wizard Setup will ask to assign a function to the motorised valves: **NONE**, **POOL EQUIPMENT** or **SOLAR**. Selecting Solar for one of the valves will map that valve to the solar controller.
 - If the filter pump isn't running when the Solar calls for heat, the filter pump will start and the motorized valve will turn to divert water to the solar collector.
 - If the filter pump is already running, the valve will turn.
3. As previously noted, if **NO** is selected to using a filter pump for solar, a channel will be available for allocation. An option to activate this channel as solar is available when programming Channels 1 through 8. This basic solar function then turns the channel On and Off when solar gain is called for.

7.2 Programming an RF Remote

The Viron Connect 10 RF remote control has eight (8) outputs which can be programmed to operate any function of the Viron Connect 10 pool and spa controller.

Possible programming options are;

1. Favourite settings;
 - Program any of the eight (8) RF Remote buttons channels to activate a Favourite setting customized to their pool and spa environment's custom settings.
2. Control of pool/spa equipment;
 - Assign different channels to each of the three (3) speeds of a Viron eVo series pump.
 - Allocate a specific piece of equipment, such as a blower or waterfall, to come on at the touch of a button.
3. All ON/OFF/AUTO function;
 - Assign a channel to switch all equipment back to Auto. One button will override all manual changes and return to the system's pre-programmed automatic position and the timer settings.
4. Auxillary valve control;
 - Turn auxillary valves to On, Off or Auto mode.

5. Lighting control;
 - Use the remote to toggle an installed Delta lighting system between On, Off, or cycle between colours.
 - Program any brand of lighting to turn On, Off, or assign lights to a favourite setting.
6. Heater control;
 - Toggle the heater On and Off.

Once the optional wireless transceivers (part nos. 10016, 10017, and/or 10019) are installed, use the Touchscreen to configure the handheld device:

1. Click **SETUP > CONFIGURE WIRELESS**
2. Click **CONFIGURE HANDHELD**
3. The current button configuration will be shown first.
4. To change a function to a select button, click **CONFIGURE** and enter the selection.

Action	Description
None	Button is disabled
Control Pool/Spa Equipment	Toggle channel On/Off or set to specific state
Control Auxiliary Valve	Toggle valve On/Off or set to specific state
Control Lighting	Toggle zone(s) On/Off or cycle zone colour
Control Heating	Toggle heater On/Off
Activate a Favorite	Activate a user favorite
General Functions	Perform "All Off" or "All Auto"

5. Click **NEXT** or **PREVIOUS** to move to other buttons.
 6. Depending on the action chosen, you will be asked for more information such as:
 - Which channel, valve or zone to control;
 - Whether to perform a toggle or to go to a specific state;
 - Which Favourite is to be activated.
- TIP:** Configure one of the buttons (perhaps no. 8) as "All Auto", so the pool owner has an easy way to return to normal settings after use.
7. Once all buttons are configured, it is time to link the Remote into the network. Press and hold buttons 1 & 2 of Remote, until their lights start flashing.
 8. Press [Next] and the Touchscreen will try to connect to the Remote. If successful, the Touchscreen will show how many new Remotes were discovered.

Section 8. Service

If control of the Viron Connect 10 pool and spa controller system is required from outside the house, all equipment can be operated from the service panel inside the main electrical control box. The system provides pushbuttons to manually operate any channel via a simple On and Off toggle press.

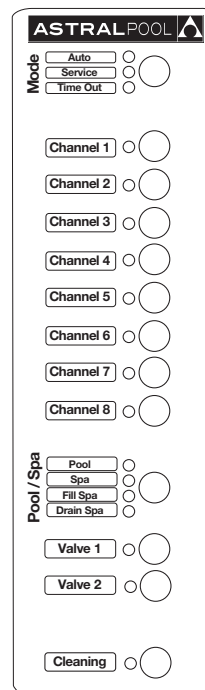
For example, when performing a backwash or manually vacuuming the pool, push the top button next to Service Mode on the service panel. The green LED will illuminate next to **SERVICE**. All auxiliary functions can now be controlled from the box while the internal Touchscreen is temporarily disabled.

If the selected manual operation needs to run for a short time period before reverting back to the Touchscreen operation, push the top button until the **TIME OUT** LED is illuminated. The Time Out function will now run for one hour.

Selecting **AUTO** mode will place the Touchscreen back into 'All Auto' status.

If your pool has experienced heavy use or has been dirtied by storms, activate a special cleaning cycle from the Viron Connect 10 service panel. Section 6.2.1 step 7 discussed if the system is configured with cleaning.

NOTE: Verify the system mode is in **AUTO**, then press the button allocated to **CLEANING**. The Viron Connect 10 pool and spa controller will now operate the cleaning and filtration pumps for one (1) hour before reverting back to normal operation (if programmed to a controllable channel).



Section 9. General Maintenance

If the supply cord is damaged, it must be replaced by AstralPool, its service agent or a similarly qualified person in order to avoid a hazard.

9.1 Maintenance Schedule

A small amount of regular care and attention to your pool equipment will help ensure long life and trouble free performance.

To protect against extremes of temperature, your unit is vented to allow the electronics to cool. Ants and some insects are often attracted to the warmer, dry environment inside the enclosure. We recommend that, with power turned off, you spray a surface insecticide on the surfaces surrounding the control to prevent ant and insect ingress. Repeat every three months or as necessary.

Timing	Maintenance Check	Service Action If Required
Every three months	Check for insects/ants	Spray a surface insecticide on the surfaces around the unit to prevent ant and insect ingress

Section 10. Troubleshooting

10.1 Viron Connect 10 Troubleshooting

Symptom	Solution
Equipment not activating on time clock	<ul style="list-style-type: none"> • Check All Auto selected from Home menu • Check timer programming • Check for timer periods/days crossing over
No power to touchscreen	<ul style="list-style-type: none"> • Check isolation switch is on • Check safety switch • Check RJ12 cable connections
Touchscreen not activating channels	<ul style="list-style-type: none"> • Check “Service Mode” not enabled • Check SYSTEM / LOCAL connection • Reset power to control system • Check RJ12 cable connections
Wireless link not responding	<ul style="list-style-type: none"> • Reset wireless configuration • Check power is available to adaptor • Move wireless transceivers to a new location

10.2 Ethernet (Wired) Troubleshooting

Symptom	Solution
INITIALIZED = NO	<ul style="list-style-type: none"> • The Internet Gateway was unable to initialize the Ethernet connection. Cycle power to the Internet Gateway and wait 1 minute to allow for re-initialization. • If the problem persists, call AstralPool for support.
LINKED = NO	<ul style="list-style-type: none"> • Check that the Ethernet cable is correctly connected to both the Internet Gateway and the pool owner’s home network hub (router). • Check the Orange LED beside the Internet Gateway’s Ethernet connection; if it is illuminated, the Ethernet connection is present and there may be a problem with the router or internal security of the home network. • Call network support to clarify issue. If network connection ok and the problem persists, call AstralPool for support at 1300 186 875

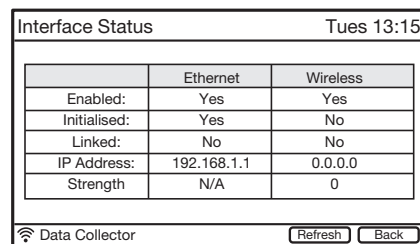
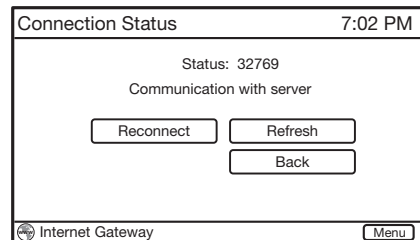
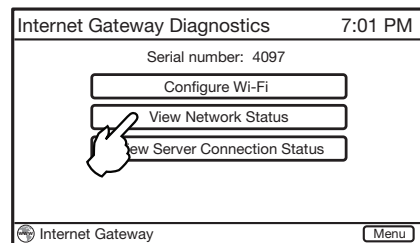
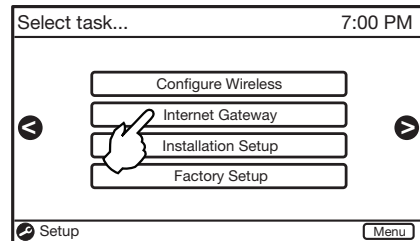
10.3 Wireless Troubleshooting

Symptom	Solution
INITIALIZED = NO	<ul style="list-style-type: none"> • The Internet Gateway was unable to initialize the Wireless connection. Cycle power to the Internet Gateway and wait 1 minute to allow for re-initialization. Check all connections and signal strength ok. • If the problem persists, call AstralPool for support.
LINKED = NO	<ul style="list-style-type: none"> • The Internet Gateway was unable to connect to the pool owner’s wireless network. Verify that the network name and passphrase have been correctly configured by re-entering them into the Touchscreen. Allow the Internet Gateway 30 seconds to attempt connection to the home network before proceeding. • Cycle power to the Internet Gateway and wait 1 minute to allow for re-initialization. If the problem persists, call AstralPool for support.

Symptom	Solution
IP Address = 0000	<ul style="list-style-type: none"> The most common cause is that the Internet Gateway is right on the fringe of wireless range. Try moving the Internet Gateway closer to the pool owner’s wireless router, then cycle power to the Internet Gateway to cause re-initialization. Ideally, the strength should be shown as 29 or greater. If the problem persists, consider changing from Wireless to Ethernet connection types

10.4 Wireless Troubleshooting Touchscreen Process

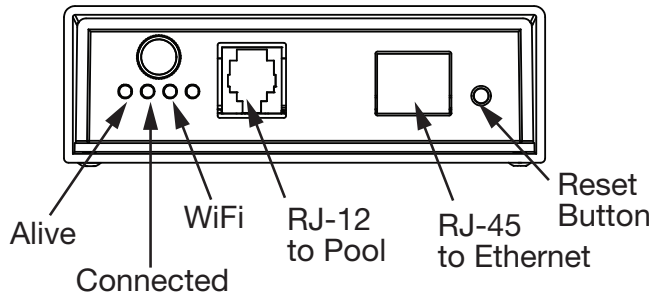
1. Click **SETUP** in the main menu screen.
2. Click **INTERNET GATEWAY** for diagnostics.
3. Click **VIEW NETWORK STATUS** to see status of the two networks available to the Internet Gateway. Press **REFRESH** to update the status.
4. Confirm the Internet Gateway has a proper network connection for either the Ethernet or Wireless connection:
 - The ‘Linked’ field for the appropriate connection method must be ‘Yes’; and,
 - The IP address must NOT be ‘0.0.0.0’.
 - See Sections 10.2 and 10.3 for more information.
5. Click **BACK** to return to the main Internet Gateway Diagnostics screen.
6. Click **VIEW SERVER CONNECTION STATUS** to see status code for the Internet Gateway and the Connect My Pool server. See Section 10.5 for more troubleshooting information.



10.5 Connect My Pool Server Status

Code	Text	Meaning
0	Idle	The IG has not yet attempted to connect to the server. Wait for the IG to automatically connect, or click RECONNECT to force a connection attempt.
32768	Connection open	The connection to the server is open, but no communication has yet been received. If this state persists for more than 30 seconds, please call AstralPool for support.
32769	Communicating with server	The connection is open and the Internet Gateway is communicating normally with the ConnectMyPool server. This is not a fault state; this is normal operation.
61440	Connection closed	The connection to the ConnectMyPool server was closed as part of normal operation. This is not a fault state; the IG will automatically reconnect shortly.
256	No suitable interfaces ready	The Internet Gateway is unable to connect to the internet because none of its interfaces (Ethernet or Wireless) are operating correctly. Return to the preceding troubleshooting steps to confirm that at least one of the network interfaces is operating correctly.
513	DNS resolve error	The Internet Gateway was unable to determine the IP address (internet address) of the ConnectMyPool server. The most likely cause is that the pool owner's internet connection has failed. Verify that the home internet connection is still operating.
769	Internal error creating local socket	The Internet Gateway has suffered an internal error. Cycle power to the Internet Gateway; If the problem persists, call AstralPool for support.
1024	Connecting to server	The Internet Gateway is trying to connect. If this state persists for more than 30 seconds, call AstralPool for support.
1025	Failed to connect	The Internet Gateway was unable to connect to the ConnectMyPool server. The most likely cause is that the pool owner's internet connection has failed. Try to verify that the home internet connection is still operating. If the problem persists, cycle power to the Internet Gateway. Call AstralPool for further support if required.
61441, 61442, 61443, 61444		The connection to the ConnectMyPool server has been closed due to various errors. One cause is the loss of the pool owner's internet connection. Try to verify that the home internet connection is still operating. Click RECONNECT , and wait for the IG to attempt to reconnect to the ConnectMyPool server. If you continue to get these error codes, call AstralPool for support.
Others		There are other status codes that won't be detailed here. If the Internet Gateway gets "stuck" on one of them, call AstralPool for more details.

10.6 Internet Gateway Status Lights



The Internet Gateway has three main status lights.

1. The **ALIVE** status LED flashes once every two seconds to indicate that the module is powered and operating correctly.
2. The **CONNECTED** status LED provides information about whether the Internet Gateway is/was able to connect to the connectmyPool servers.
 - When this Connected LED is off, the Internet Gateway has not yet attempted to connect to the ConnectMyPool servers (i.e. immediately after powering up).
 - When this LED is solidly illuminated (not flashing), then the Internet Gateway is currently connected to the ConnectMyPool servers.
 - When this LED is flashing, the Internet Gateway is no longer connected to the ConnectMyPool servers.
 - If it is giving a single flash, then the connection to the servers was closed normally.
 - If it is giving a double-flash, then the connection to the servers was terminated due to an error.
3. The **Wi-Fi** light indicates the status of the wireless connection.
 - When this light is off, there is no wireless connection.
 - When this light is lit, it means that the Internet Gateway is properly connected to the pool owner's Wi-Fi network.
 - It will blink briefly when the Internet Gateway is sending or receiving information over the wireless network.

NOTE: This indicator is only giving the status of the local connection to the wireless network. The status for the connection to the ConnectMyPool servers is still given by the **CONNECTED** indicator.

4. The Ethernet connector has two in-built indicators.

- The orange indicator is illuminated when the Ethernet connection is properly connected to the pool owner's Ethernet network.

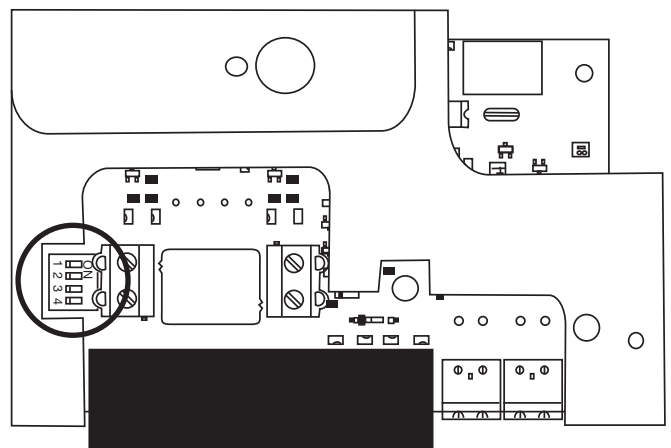
NOTE: This indicator is only giving the status of the local connection to the Ethernet network. The status for the connection to the ConnectMyPool servers is still given by the **CONNECTED** indicator.

- The green indicator blinks when there is data being sent or received on the Ethernet network.

NOTE: The Reset Button resets the microcontroller. It is essentially turning the device off and on again.

10.7 Dip Switch 1 Details

The Connect 10 can control up to four (4) motorised valves. The valves must be 24VAC type. Two of the valves are dedicated to the purpose of controlling water flow into and out of the pool & spa. The remaining two (2) are freely assignable by the customer.



The inlet and outlet valves can operate in one of two ways: the "standard" method and the "fill & drain" method. Which method is used is controlled by OPTION SWITCH 1. When option switch 1 is off, the standard method is used; when it's on, the fill & drain method is used.

NOTE: When Pool & Spa is selected, the default is two (2) valves. Four (4) valves are available for diversion of water in Pool mode only.

The position of each valve for the various combinations of method and pool/spa selection is summarised by the following table.

Option Sw 1	Pool/Spa Selection	Inlet Valve	Outlet Valve
OFF ("standard")	Pool	OFF/Forward	OFF/Forward
OFF ("standard")	Spa	ON/Reverse	ON/Reverse
ON ("fill and drain")	Pool	OFF/Forward	ON/Reverse
ON ("fill and drain")	Spa	ON/Reverse	OFF/Forward

10.8 Factory Reset

1. For a factory reset of an AstralPool Connect10 controller, click **Setup > Factory Setup >** enter code **11920**.
2. When the screen message displays, click **OK** to return to the main menu.

NOTE: Factory setup will revert the system back to default settings, erasing all current programming.



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