



# alpine**spas**<sup>TM</sup>

## ELECTRICAL PACK

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### Hercules Ultra & Hercules Ultra XT





## ELECTRICAL SETUP

**This document will help you wire and install the Hercules Ultra & Hercules Ultra XT Swim Spas. Please read this and install as recommended otherwise it will not operate correctly.**

**ANY ELECTRICAL WIRING WORK MUST BE PERFORMED BY A LICENSED ELECTRICIAN.**



The Hercules uses the SpaNET SV Mini 2 Controller with a SpaNET SV2 Touchpad (labelled SV-Smart) for the spa zone. It also has a RiverSwim controller and Touchpad for the turbine swim system.

By default, **only 15A is required to run the Hercules spa zone and it is pre-wired with a 15A cable & plug.** However, you can alter the settings and hardwire a 25A feed to avoid load shed (disabling) of the heater when the pump is turned to high speed. See page 4.

The RiverSwim controller in the Hercules Ultra requires 15A. However, the RiverSwim controller in the Hercules Ultra XT requires 32A (**no cable or RCD provided**).

### AVAILABLE SETUPS

HERCULES ULTRA	Recommended	Minimum Setup	Maximum Setup
RiverSwim System Controller	15A	15A	N/A
SV Mini 2 Controller	15A	15A	25A*

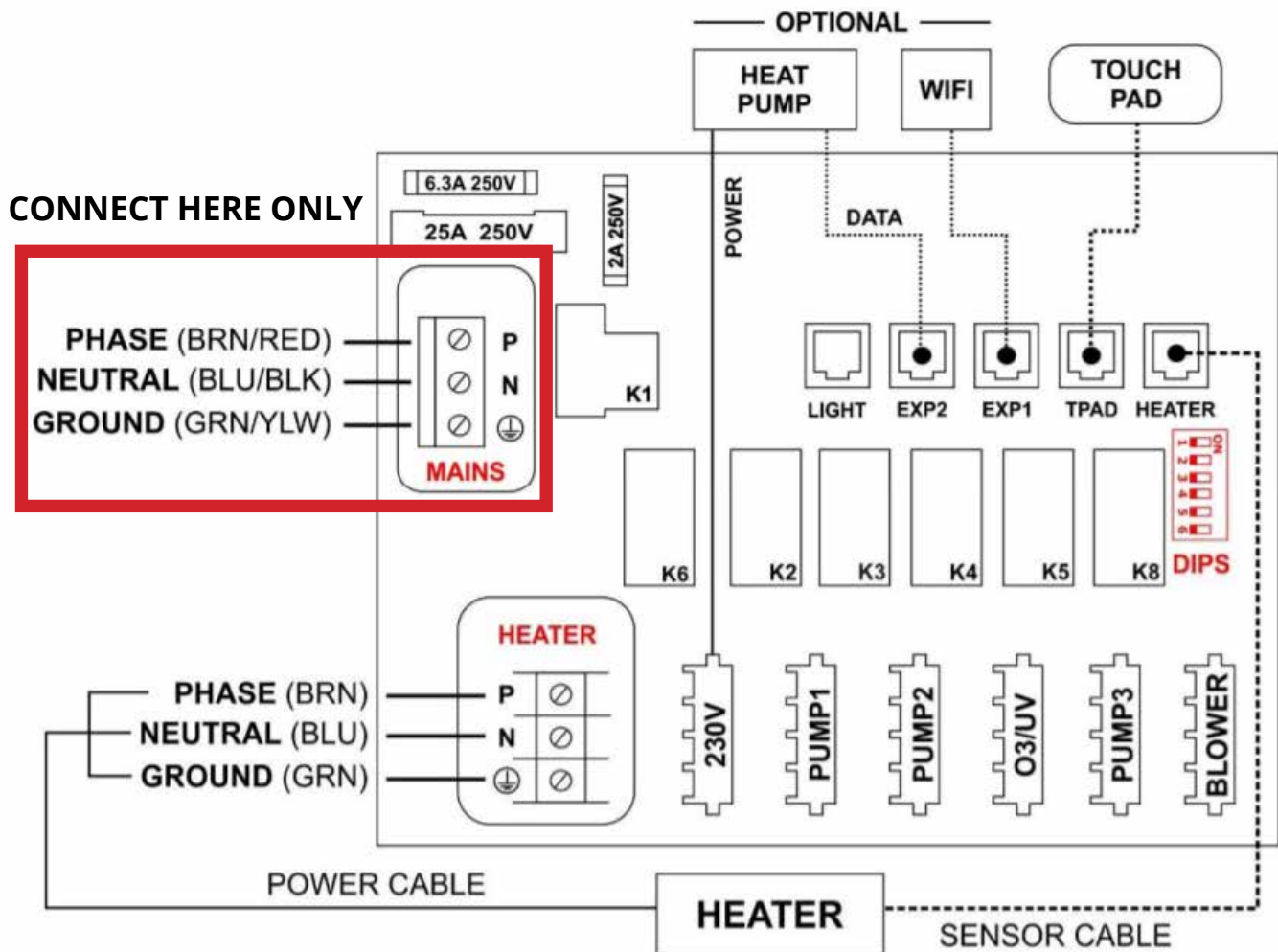
HERCULES ULTRA XT	Recommended	Minimum Setup	Maximum Setup
RiverSwim System Controller	32A	32A	N/A
SV Mini 2 Controller	15A	15A	25A*

\*25A requires you to disable the default load shed as per page 4.



## CONTROLLER WIRING DIAGRAM (SV MINI 2)

A 15A cable and plug is already wired to the controller. If you are using the 15A setup you do not need to do any wiring. If you are hardwiring a 25A feed, replace the cable with your own feed as per the diagram below. Do not alter the dip switch settings.





## TOUCH PAD SETTINGS - SPA ZONE

### Before Powering On

Ensure that the Swim Spa is filled with water before turning on the power. If the Swim Spa still requires filling, you will need to power on and apply settings with the pump disconnected.

### Swim Spa is Filled - Touch Pad & Startup



Once the Swim Spa is filled, turn on the power and locate the touch pad (seen below). If nothing shows on the display, just power off and back on again.

At first the system will go through a purge cycle which is automatic. This gives the pump a chance to expel any air left in the pipes.



### Swim Spa is Empty

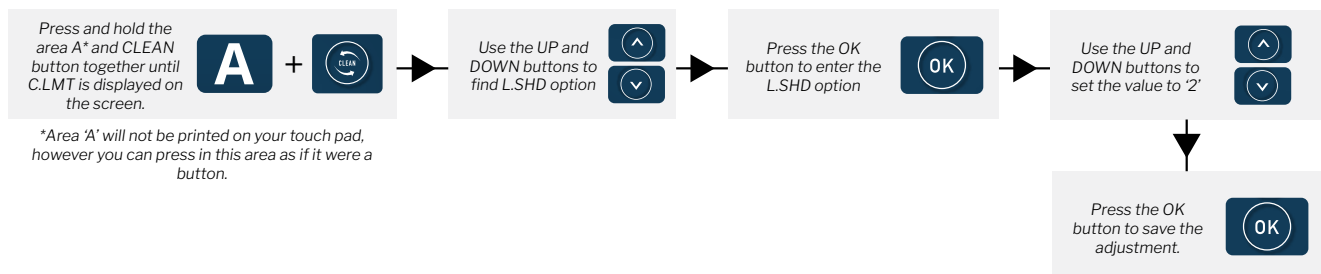
Powering on without water in the Swim Spa can damage the pump. To get around this, disconnect the pump from the controller, then power on.

The system will attempt to prime and will fail (because no pump detected). Once an error shows on the touch pad screen, demo mode must be accessed by pressing the left 'PUMP'  + 'LIGHT BUTTON'  quickly in succession (not together at once).

Note: See above panel image to locate buttons. Once in demo mode, settings below can be then be applied to the controller and will be saved for when Swim Spa is filled and powered.

### Applying Load Shed 'L.SHD' Setting for 25A

To setup 25A, Load Shed must be set to the value of '2' - follow below instructions.





## RiverSwim Turbine Controller Wiring

The RiverSwim Turbine has it's own controller that requires wiring. This is usually housed in a plastic box near the SpaNET controller.

If you have the **Hercules Ultra** swim spa, this requires a **15A** feed as it has a single turbine. If you have the **Hercules Ultra XT** swim spa, this requires a **32A** feed as it has twin turbines.

You will find the below wiring diagram on the inside of the plastic box that houses the controller. Use this to assist your wiring.

