



# HAYWARD®



## Wi-Fi Network Upgrade Kit For the AquaRite™+

### Owner's Manual

To prevent potential injury and to avoid unnecessary service calls, read this manual carefully and completely.











## **SAVE THIS INSTRUCTION MANUAL**

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**WARNING: Electrical hazard.**  
Failure to comply with these instructions can result in serious injuries or death.

***THE EQUIPMENT IS INTENDED TO BE USED ONLY ON PERMANENTLY CONSTRUCTED POOLS AND SPAS***

-  **WARNING** – Disconnect/isolate the equipment from the electricity supply before any installation/service/repair.
-  **WARNING** – All electrical wiring must be performed by a qualified and licensed electrical contractor in accordance with all Local/State/Federal Government electrical regulations and the latest edition of the AS/NZS 3000 Wiring Rules.
-  **WARNING** – Ensure that the device is plugged into a power outlet that is protected against short-circuits. The device must also be powered via an isolating transformer or through a residual current device (RCD) with a fixed residual operating current not exceeding 30mA.
-  **WARNING** – Check that the supply voltage required by the product corresponds to the voltage of the distribution network.
-  **WARNING** – To reduce the risk of electric shock, do not use an extension cord to connect the device to the mains. Use a suitably rated GPO as per the standard AS/NZS 3000.
-  **WARNING** – Chemicals can cause internal and external burns. To avoid death, serious injury and/or damage to equipment, wear personal protective equipment (gloves, goggles, mask, etc.) when servicing or maintaining this device. This device must be installed in an adequately ventilated place when equipped with the chemical feed options.
-  **WARNING** – Carefully read the instructions that appear in this manual and on the device. Failure to comply with the instructions can cause injuries. This document must be given to the pool owner, who should keep it in a safe place.
-  **WARNING** – The appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
-  **WARNING** – Use only genuine Hayward replacement parts.
-  **WARNING** – If the power supply cord is damaged the device must not be used. The power supply cord must be replaced by the manufacturer or similarly qualified persons to avoid any danger.

## INTRODUCTION

The Wi-Fi Network Upgrade Kit is an optional accessory to the Hayward AquaRite+ Chlorinator. The Wi-Fi module connects the AquaRite+ to the Vista Pool server and app which allows you to remotely control the AquaRite+ via the Internet.

## COMPONENTS

### Wi-Fi Network Upgrade Kit



Wi-Fi Module



Cable Gland



Cable Tie

## INSTALLATION

### Outline

The Wi-Fi Module must be installed on a wall in a dry (out of the rain), temperate and ventilated location, and must be able to communicate with the Wi-Fi network at the premises where it is installed. A field survey with a mobile telephone can be conducted to see if the premises Wi-Fi signal is strong enough to connect to.

The Wi-Fi range is approximate 50 metres line of site with no obstacles in between the Wi-Fi Module and the router/modem. Having walls, fences, buildings, etc in between the Wi-Fi Module and the router/modem will also impede the ability to hold a reliable signal and will dramatically reduce the range of the unit.

The connection cable that comes in the kit is 9.5 metres long and can be shortened by following the instructions on page 5 of this manual. Disconnect the power supply to the AquaRite+ unit before connecting the module. Below is an outline of the installation process, with detailed instructions on the pages following.

- » Remove the Dead Front Panel
- » Release the cable from the Wi-Fi Module
- » Plug the Wi-Fi Module connector into the RF / Wi-Fi terminal on the AquaRite+ PCB
- » Reconnect and reassemble the Wi-Fi Module
- » Secure cable to AquaRite+ with Cable Gland
- » Mount on flat surface

## INSTALLATION

### Removing the Dead Front Panel

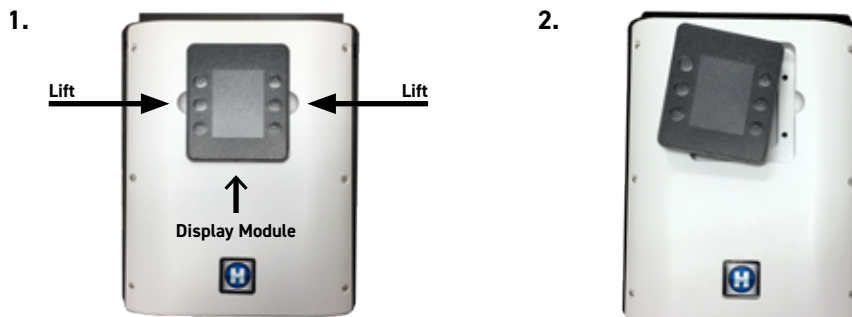
In order to connect the Wi-Fi Module to the AquaRite+ circuitry, the Dead Front Panel needs to be carefully removed. Follow the instructions below to avoid damaging the device and/or its casing.

#### **Caution - Risk of Electric Shock.**

Ensure that the unit has been disconnected from all power supplies before removing the Display and Dead Front Panel. Only a suitably qualified person should remove the Dead Front Panel in accordance with Local/ State/Federal Government regulations and the latest edition of the AS/NZS 3000 Wiring Rules.

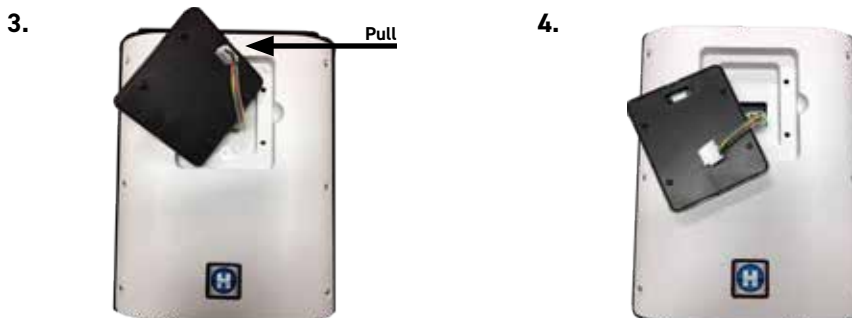
#### **Lift Out Interactive Display Module:**

Remove display module from its compartment. Use the grooves on either side to pry it out by hand. Take care to not use excessive force as the module is still wired to the PCB at this stage.



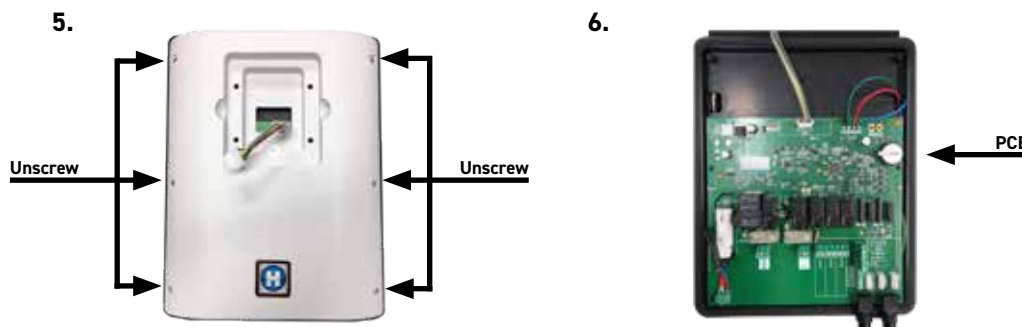
#### **Detach Interactive Display Module:**

Turn over the display module and remove the wired plug from the port on the back of the unit. Store the Display Module where it will not get damaged until it is re-installed.



#### **Unscrew Dead Front Panel:**

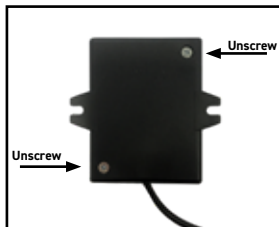
Remove the six (6) screws fastening the panel to the unit. Once all loose, lift the panel off the unit to access the PCB.



## INSTALLATION

### Accessing the Wi-Fi Module Wiring

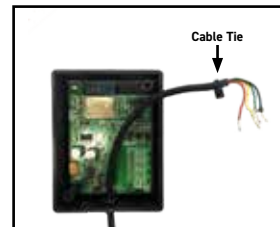
The Wi-Fi Module needs to be opened so that the cable can be physically connected to the AquaRite+ and trimmed to length.



1. Unscrew the backing plate and remove to reveal the module's circuitry. Put the backing and screws aside.



2. Release the 4 wires by loosening the terminal screws.



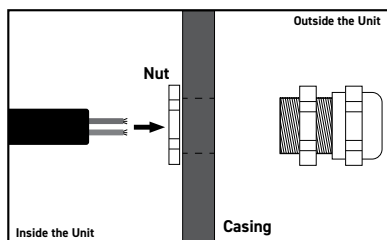
3. Pull the cable through to allow enough room to be able to slide the cable tie off. If the tie is too tight, carefully remove with side cutters.



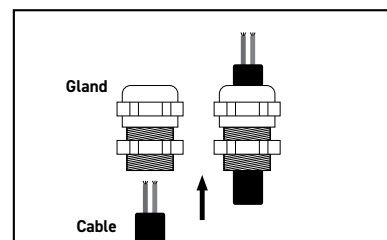
4. Discard the old cable tie and pull the cable out through hole. Keep the circuitry exposed, as the cable will need to be rewired back into place.

### Cable Gland Installation

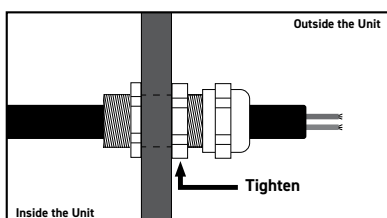
In order to ensure watertight wire connections to the PCB through the AquaRite+ housing, wire cables are to be secured with the black cable glands supplied. With the Wi-Fi cable plugged in, follow the instructions below to thread the free end of the cable through the housing for it to be re-wired to the Wi-Fi module.



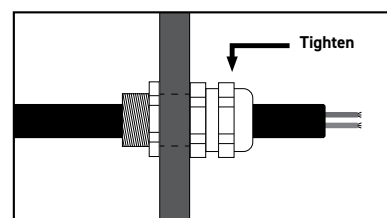
1. Hold the nut against the hole on the inside of the casing. Push the cable through the nut and hole, from the inside of the unit.



2. Insert the cable into the flat/thread end of the gland and pull through.



3. Push the cable gland into the hole whilst simultaneously rotating to screw the nut on to the thread. Tighten gland with a spanner whilst still holding the nut to secure the gland in place.



4. Pull the cord through the gland. Be sure to leave enough cable for the plug to reach the Wi-Fi input. Secure and seal the cord in place by tightening the domed cap with a spanner until firm.

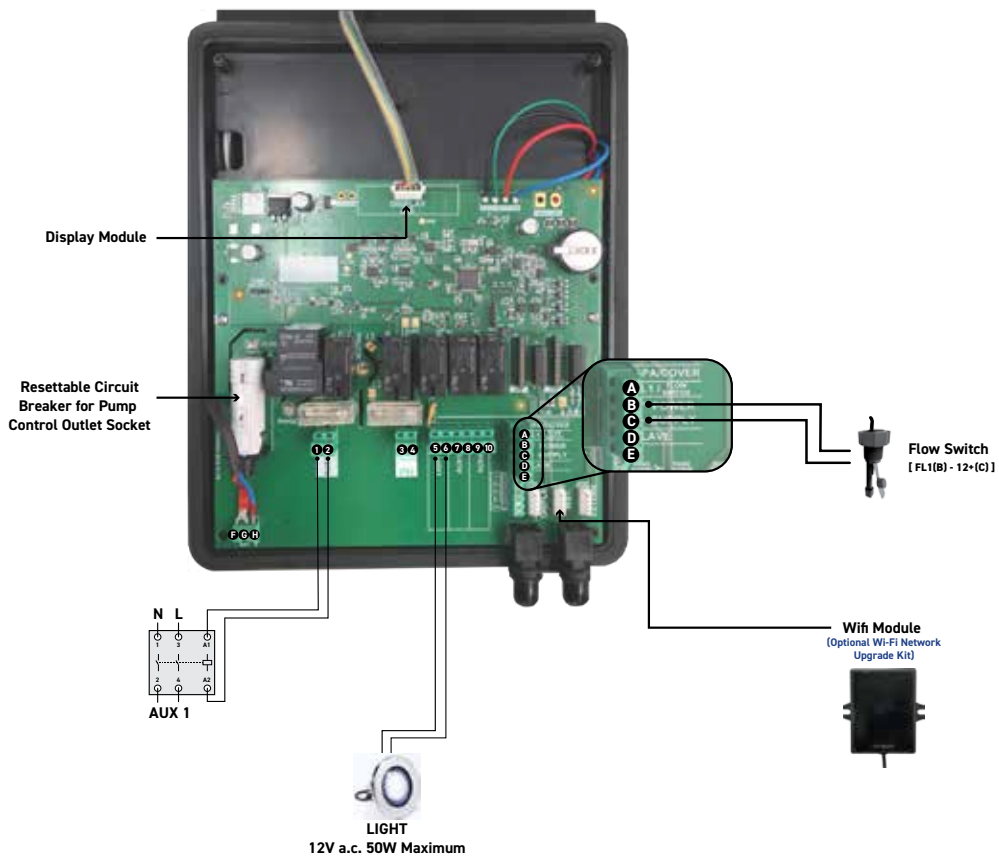
**Note:** Use the gland location holes in the bottom of the unit before the sides to ensure all cables are pointing downward.

# INSTALLATION

## Wiring to the AquaRite+

Connect the AquaRite+ to a GPO with a permanent power supply only.

**⚠ CAUTION - This circuit must be protected by a residual current device (RCD) with a fixed residual operating current not exceeding 30 mA.**



Wiring Schematic

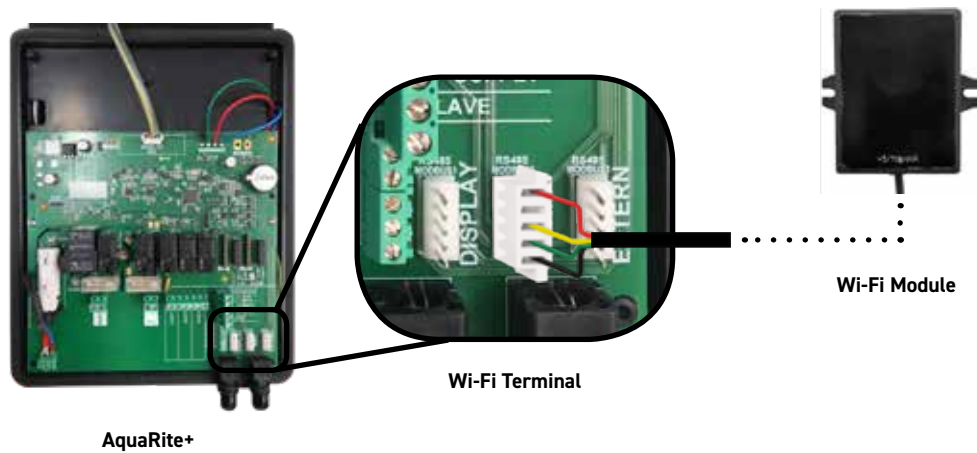
### Description of Outgoing Relays

Name	Description	Terminals	Type of output	Max Load
Filter Pump	Filtration pump control	Socket Outlet	240 V a.c.	7 A
Aux 1	Auxiliary voltage output (for contactor switching control)	1 - 2	240 V a.c.	1 A
pH	Peristaltic acid pump	3 - 4	SELV 24 V a.c.	1 A
Light	Lighting control (One {1} LED light only)	5 - 6	SELV 12 V a.c.	50 W
Aux 3	Auxiliary dry contact	7 - 8	Dry contact	1 A
Aux 4	Auxiliary dry contact (or heating control)	9 - 10	Dry contact	1 A

## INSTALLATION

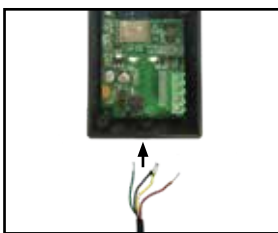
### Plug Cable into AquaRite+ PCB

Take the plug end of the Wi-Fi Module cable and connect it to the terminal on the AquaRite+ PCB labeled 'Wi-Fi'. The free end of the cable needs to now be pulled through the cable gland that you just installed leaving minimal cable inside the unit. Remember to tighten the cable gland to hold the cable firm.

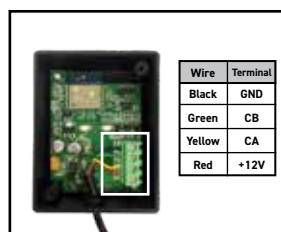


### Re-Wiring the Cable to the Wi-Fi Module

Once the cable is correctly installed to the AquaRite+, the cable needs to be reconnected to the Wi-Fi module PCB. Ensure that the cable is trimmed from the end that was originally connected to the Wi-Fi module. **Do not cut from the plug end!** There are metal tabs that connect the wires to the plug that cannot be replaced.



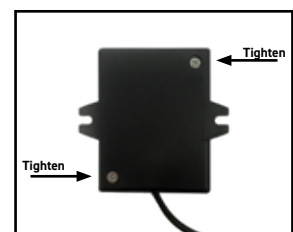
**1.** Trim the cable to a suitable length that reaches the planned installation location, then insert the cable into the hole at the bottom of the module.



**2.** Connect the wires to the terminal, screwing them in place. The wire-terminal connection must correspond with the diagram above.



**3.** Gently pull any slack back through the hole and secure the cable tightly in place with the cable tie.



**4.** Screw the backing plate back onto the module and proceed to mount it in the planned location.

# OPERATION

Plugging in the Wi-Fi cable automatically allows the AquaRite+ to discover it and open menu options within the interface. The existing set up instructions detailed in the AquaRite+ Owner's Manual still stand, just more settings options appear that are specific to the Wi-Fi Kit function. Below are instructions on configuring the Wi-Fi settings now available.

## Home Screen Configuration

**BUTTONS KEY**

- OK** Enter Main Menu/ Select & Save
- ↶** Go Back
- ▲** Navigate Up & Down Through Lists
- ▼** Navigate Up & Down Through Lists
- +** Make Adjustments/ Scroll Through Options
- Make Adjustments/ Scroll Through Options

**State of auxiliary relays (On/Off)**

**Time** 12:30

**Current water temperature** 25° C

**Chlorine production rate in gr/h** electrolysis

**Displays manual salt level measurement** 22 gr/h

**Filtration relay state**

- man Manual
- aut Automatic
- smt Smart

**Communication** Red = Communication fault

**Lighting relay state**

- man Manual
- aut Automatic

**Pol 1 Polarity 1** **Pol 2 Polarity 2**

- SPA** Production automatically reduced to % selected (20% by default)
- Wait time
- LOW** Insufficient salt / cell scaled up or the water temperature is very low (<15°C)
- Flow** Filtration stopped or insufficient flow

**15/01/16** Date of the last salinity measurement

**25°C** Water temperature (when measurement taken)

**3.2** Salt concentration

## Establishing the Wi-Fi Module Connection



- Internet:** Once the module is connected, switch on the device. A Network menu appears in the Settings menu.
- Wi-Fi:** Select the Wi-Fi menu to start an automatic search for available networks.
- Choose the relevant available network.
- Enter the password for this network via the keyboard. Use the up/down arrows to move the cursor vertically and the +/- buttons to move the cursor horizontally and press OK to select. When complete, highlight 'OK' and then press the 'OK' button.
- Configuration:** If you want to configure your connection manually or if automatic configuration fails, you can change the network parameters in this menu.
- Status:** Displays information about your current connection.

- » When the Wi-Fi connection is established, two green LED lights on the Wi-Fi module will turn on and remain solidly lit. Once connected, you can then register at [www.vistapool.es](http://www.vistapool.es) or download the app for Android or Apple devices and register via the app.
- » Get your ID Node (see right) and follow the registration process.
- » Once you have registered, you can monitor and adjust all of your AquaRite+ parameters remotely using a PC or the app.





## WARRANTY

**STANDARD CONDITIONS** - Australia and New Zealand Hayward Pool Products (Australia) Pty Ltd (ABN 66 083 413 414) ("Hayward Pool Products (Australia)") distributes Hayward Pool Products in Australia and New Zealand and provides the following warranties:

### STATUTORY RIGHTS

1. The benefits to the consumer under this warranty are in addition to other rights and remedies of the consumer under the laws in relation to the goods and services to which the warranty relates; and
2. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You may be entitled to a replacement or refund for a major failure and for compensation for any other loss or damage. You are also entitled to have the goods repaired if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### LIMITED WARRANTY

Hayward Pool Products (Australia) warrants that its products are free from defects in materials and manufacture for 12 months from date of supply by Hayward Pool Products (Australia) plus 90 days to allow for installation and supply (unless otherwise specified). Hayward Pool Products (Australia) will at its discretion, except in the circumstances described below, either repair or replace any product proven to be defective during the warranty period for either materials of manufacture or alternatively pay the cost of repair or replacement within 90 days of the receipt of the defective product, barring unforeseen delays. This warranty is for domestic installation only, is personal to the original purchaser and does not pass to any subsequent purchaser(s).

- To the extent permitted by law, Hayward Pool Products (Australia) will not be liable for products which fail or become defective during the warranty period as a result of freezing, accident, negligence, improper installation, water chemistry, misuse, tampering or lack of care.
- To the extent permitted by law, except as set out in this Warranty, Hayward Pool Products (Australia) excludes all statutory or implied conditions and warranties and any other liability it may have to the Customer (including liability for indirect consequential loss) that may arise under statute or at law including without limitation for breach of contract, in tort (including negligence) or under any other cause of action.
- To the extent permitted by law, except as set out in this Warranty, Hayward Pool Products (Australia) limits its liability under any condition or warranty which cannot be legally excluded in relation to the supply of Goods and Services to:
  1. Repairing the Goods;
  2. Replacing the Goods or supplying equivalent Goods or Services again;
  3. Paying the cost of replacing the Goods or of supplying equivalent Goods or Services again; or
  4. Paying the costs of repairing the Goods.

Claims made for warranty, labour or infield support will not be accepted by Hayward Pool Products unless evidence is provided that installation has been completed in accordance with standard warranty conditions. Please refer to specific program document for details.

### WHAT TO DO IF YOU HAVE A WARRANTY CLAIM

The faulty product is to be returned to the place of purchase, or where installed by an approved agent to an authorised warranty agent. No returns will be received directly from end consumers by Hayward Pool Products (Australia). You are responsible for arranging removal of the defective product and arranging installation of the repaired or replacement product, all transportation (and any applicable insurance costs) of transporting the product to the supplier and transporting the replaced or repaired product from the supplier. All returns are subject to Hayward Pool Products (Australia)'s written approval and must be accompanied by either:

1. A Field Inspection Report authorised by the Local Customer Service Manager or Authorised Agent; or
2. A "Return Goods Authorisation" form obtained from Hayward Pool Products (Australia) prior to shipment.

## WARRANTY CONTINUED

### UNAUTHORISED RETURNS WILL NOT BE ACCEPTED

- All Hayward Pool Products (Australia) warranty parts taken as an across the counter warranty exchange must be held for inspection authorisation has been given by the Local Branch Customer Service Manager to dispose of them. Hayward Pool Products (Australia) reserves the right to provide replacement or credit for any items authorised under this warranty program.
- All claims must be accompanied by a copy of original purchase receipt, clearly stating date of purchase. All serial numbers must place the product within the warranty period or a proof of purchase is required. No claims in respect of the product can be made after the expiration of the warranty period.

Warranty service requests can be faxed to:  
**Hayward Pool Products (Australia) Pty Ltd.**  
**Fax: 1300 POOLS2 (1300 766571)**  
Or submitted to your local Hayward Pool Products (Australia)  
Branch Office.

A standard form is available to request warranty service. We will require:

- Installation contact information including address, daytime telephone numbers, home phone number, email etc.
- Complete model and serial number.
- Proof of purchase (if the serial number was manufactured > 1 year ago).
- Evidence that purchase and Installation was completed in one transaction, by the one business or organisation.
- Nature of problem including specific faults and error codes.

**To determine if you are eligible for an extended warranty register your Hayward pool products online today at:**  
**[www.hayward-pool.com.au](http://www.hayward-pool.com.au)**



Warranty Registration

Complete the online form to register your equipment under the Hayward Warranty [FAQs](#) | [Contact Us](#)

Register Your Pool Products

**Know your model?**

If you know your model number or the name of your product, just start typing in the box below and choose your product from the list as it populates.

Enter your model number or product name

Not sure of your model name or number?  
**Start here**

Step 1: Select your pool type.

Pool Type:





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Melbourne-Sydney-Brisbane-Perth

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