AQUAQUIP

InstaTouch ™

SMART LIGHTING CONTROLLER
User Guide

Remote Handset

Receiver Base Station

QUICK START GUIDE

Aqua-Quip's InstaTouch remote-control system is designed to be used with Aqua-Quip's InstaTouch-enabled underwater lights (models: **Evo2, EvoMAX, EvoFG and QC Series**). Ensure that the lights being installed are InstaTouch-enabled by checking for the InstaTouch label on the rear of the light, or by checking the instructions that came with the lights.

The InstaTouch remote-control consists of the Receiver (P/N: INS101) and the Handset (P/N: INS102). The handset allows you to select six animated lighting shows, seven fixed colours or your own colour selected from a scrolling palette, at four different brightness settings. The colours, shows and brightness can be controlled to two zones (typically your Pool and Spa) together or independently.

Quick Installation:

Note: For **plug & play** convenience, your handset and receiver have already been "paired".

1. Unpack the InstaTouch receiver, handset, batteries and mounting screws.
2. Keep this User Guide for future reference.
3. Insert the batteries into the remote handset, see Diagram B, Page 2.
4. Plug your lighting transformers into the receiver.
5. Plug the receiver into the wall outlet (GPO) and turn it on. Your pool lights will turn on.
6. Wake up the handset by shaking or tapping it (indicator LEDs on the handset will temporarily illuminate)
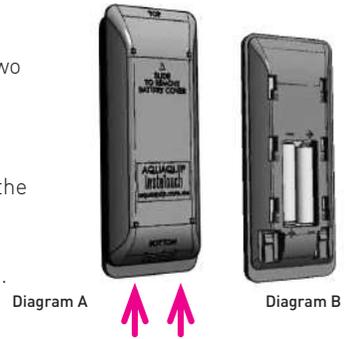7. Start using your new lighting system!

To get the best from your InstaTouch Smart Lighting Controller, please read the rest of this User Guide.

REMOTE CONTROL HANDSET

Before you can use your handset, you will need to install the two **AAA alkaline batteries**, included.

To install the batteries:

• Remove the silicone case.

• Slide the rear cover until disengaged, lift the rear cover off the body, see Diagram A.

• Install batteries, noting correct polarity, see Diagram B.

• Clip the rear cover back in place and re-fit the silicone case.

Diagram A   Diagram B

Using the Remote Control:

The handset features a "shake-to-wake" function. Once woken, the remote will stay awake for 45 seconds after any button has been pressed, then turn off.

The remote can be woken by a firm tap of the finger, or a shake. Indicator LEDs will light up for a few seconds when the remote is woken.

The **ZONE-1, ZONE-2** and **ZONE 1+2 ON** and **OFF** buttons can be used to turn the pool and spa lights on or off together or independently.

The ZONE-1 ON and ZONE-2 ON buttons can also be used to control the **COLOUR** or **SHOW** of each zone, and its brightness, without affecting the other zone. Refer to Selecting Colours and Shows and Adjusting the Brightness.

Selecting Colours and Shows:

Pressing any of the seven **COLOUR** buttons or six **SHOW** buttons will change the colour or show of any zone which is turned on. Zones which are turned off will not be affected.

There are two ways to change the colour/show of one zone without affecting the other zone:
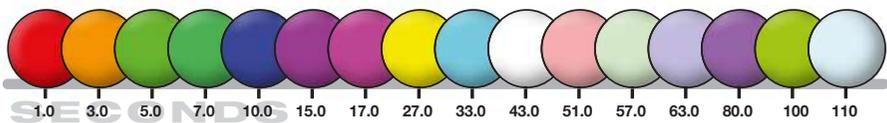
1. If only one zone is on: Just press the desired **COLOUR/SHOW** button.

2. If both zones are on: Press the **ZONE-ON** button for the zone you want to change, then press the desired COLOUR/SHOW button.

Using the **COLOUR SELECT** feature:

The operation of the COLOUR SELECT button alternates between displaying your chosen colour and scrolling through a palette of colours for your selection.

The default colour which is stored in the lights is **RED**. When you use the COLOUR SELECT button for the first time, the lights will display a fixed red colour.

Press the COLOUR SELECT a second time and the lights will begin scrolling through a palette which looks like this:

| 1.0 | 3.0 | 5.0 | 7.0 | 10.0 | 15.0 | 17.0 | 27.0 | 33.0 | 43.0 | 51.0 | 57.0 | 63.0 | 80.0 | 100 | 110 |

Once the lights display the colour you want, press the COLOUR SELECT button again. The lights will now hold that colour. Even if you then select a completely different fixed colour or show, or turn the lights off, your selected colour is stored and will be displayed next time you press the COLOUR SELECT button.

When you press the COLOUR SELECT button to start scrolling through colours again, the scroll will start from your previously-selected colour.

Adjusting the brightness:

The brightness of ZONE-1 and ZONE-2 is normally 100%. The brightness of each zone can be dimmed in four descending steps by:

• Pressing and holding the ZONE-ON button, while then pressing the WHITE button.

You can change the brightness of ZONE-1 or ZONE-2 separately, or ZONE 1+2 together.

The brightness of any show or colour can be controlled. If the colour changes to WHITE, you didn't hold the ZONE-ON button long enough.

The brightness varies in four steps (100%, 70%, 50%, 35%) and returns to 100% on the fifth step.

Re-synchronising your lights:

If your lights are out of synchronisation, try selecting a different colour, then select your preferred colour or show. Alternatively, reset your lights by pressing ZONE 1+2 ON, then press the **RED** and **GREEN** and **BLUE** colour buttons simultaneously (needs three fingers).

The lights will turn off for 6.5 seconds. When they turn on again, they will show "blue" colour. The brightness will be 100% for all lights, and the COLOUR SELECT colour will be reset to "red".

REMOTE CONTROL RECEIVER

The InstaTouch receiver mounts onto the wall with 2 screws, provided. The screw heads should protrude 5mm off the wall, to allow the screw heads to enter the receptacles in the rear face of the receiver.

The receiver must be plugged into a standard wall outlet (GPO), and the lighting transformers plugged into the outlets on the underside of the receiver.

Note: Some retro-fit installations may have the lighting transformers hardwired to the mains power supply. If so, a qualified electrician must fit a GPO to the mains power supply and fit three-pin plugs to the lighting transformers. **DO NOT hardwire the receiver to the mains supply.**

The receiver is rated IP33 and should be located under cover, next to the lighting transformers.

Receiver Alert Tones: The receiver will beep once when power is applied, and beep again five seconds later. The receiver can be paired with remote handsets during this five-second period (see below), but not after the five-second beep. The receiver will beep each time a button on a paired remote is pressed, to acknowledge that it has received a command.

Pairing New or Additional Remotes: Receivers must be 'paired' to handsets, so they receive commands only from your handset. The receiver and handset you purchased together will be paired already.

Each receiver may be paired with up to eight handsets. When you purchase additional handsets, or replace a lost handset, it must be paired to your receiver(s). Multiple receivers can be operated from a single handset.

A handset is paired to a receiver simply by pressing any button on the handset in the first five seconds of turning power on to the receiver. The easiest way to do this is, turn off the power to the receiver, bump the remote to wake it up, turn on power to the receiver, press any button on the remote in the next five seconds and it will be paired.

The receiver will beep as soon as you press the remote's button during the first five seconds. It will also beep at the end of the five-second period to indicate that it isn't available to pair with remotes any longer.

Transmission Range: The straight-line transmission range is over 80 metres if there are no obstructions between the handset and receiver. In typical urban environments, where the radio signal may have to go around several corners or penetrate several walls, the range is typically around 40-45 metres. The range will be reduced if the receiver is located in a metal-walled enclosure.

Notes:

Underwater lights must be connected to **12V AC transformers,** which then plug into the outlets on the InstaTouch receiver. Failure to observe this condition will void your warranty and cause an extremely hazardous risk of electrocution.

Remote Handset is not waterproof – do not submerge.

Lost your remote and you're about to have a pool party? Lights can still be operated from the power point that the receiver is plugged into. Switch the receiver off, then back on. Cycle through colours/shows by turning the receiver off, wait 3-4 seconds, then turn on. Continue until you find your favourite colour/show.

Troubleshooting:

Replace the batteries in the handset when the indicator LEDs become dull or transmission becomes unreliable.

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