

## **Swimspa Pre-Delivery Instructions**

These installation instructions are provided to ensure that everything is in place to enable your swimspa to be delivered and wired up easily and quickly on the day of delivery.

We highly recommend that you provide a copy of them to your builder and/or electrician to ensure that everything is ready for the day of delivery.

If your access, base or electrical supply are not ready for the delivery team there may be additional delivery charges.

**If you have any questions at all, please do not hesitate to contact us.**



All Swim Ltd  
Link Trade Park  
Penarth Road  
Cardiff CF11 8TQ

T 029 20705059  
F 029 20713340  
E sales@allswimltd.com  
W www.allswimltd.com

## **Endless Pool Fitness Systems Installation Guide**

**Your installation situation will always be unique to your needs, so although the guidance below is based on years of experience, some aspects must be tailored to you specifically.**

**Please speak to us to receive our thoughts on your specific situation and ensure that your builder can follow these recommendations.**

Installing Endless Pool fitness systems is very straight forward. However, we do recommend good planning to ensure your installation will proceed with minimum fuss.

These are some of the key areas you will need to consider before installation:

1. Location - Is the fitness system going outdoors or indoors? What should you be aware of?  
Do you intend to install above ground, partly/fully in ground or indoors.  
Indoor installation will require you to consider heating and dehumidification.
2. Delivery Access - Can you get the delivery vehicle to the site? Will you need a crane? Would a crane be able to gain access?
3. Ground Preparation - What size and type of base is required? Drainage? How much space should I leave around the fitness system?
4. Electrical Supply
5. Service and Maintenance
6. General

### **1. Location**

Give careful thought to the eventual position of your preferred model and take into consideration the location to the house (and any neighbours). Also, consider privacy, noise, trees, wind, safety (overhead cables), access to the fitness system, site drainage, fill and empty procedures, removal of covers, access to the equipment for service and maintenance and what the finished project will look like.

If the aquatic fitness system is to be installed in an enclosure, either stand alone or attached to your home, you must consider the effects of humidity on the structure of the building. If this is not correctly designed the room environment will be uncomfortable to occupants and can quickly cause expensive damage to the fabric of the building. We have many years of experience with all aspects of indoor pools and installations and will be pleased to give you advice and recommendations.

Also, remember, if your pool is located indoors, there must be sufficient clearance above the pool to allow both the swim tether and the pool covers to be removed and replaced easily and safely.

Please note that upright cover lifters will obstruct your view at both ends of the pool when open. This should be carefully considered when choosing the location and orientation of your pool. You may wish to consider the Ezy

Glide system, which maintains an unobstructed view but requires additional space at the ends of the pool to operate effectively.

## **2. Delivery Access**

An important factor to consider is the route that the delivery driver will use to get to your home and if the same vehicle is to be used for offloading. Can it get adjacent to the prepared base leaving sufficient room (in the case of a Hiab) to extend the support legs? Many Hiab vehicles can reach up to 25m. The distance and reach of a crane are totally dependent on the weight.

If the Hiab lift system is not suitable or the location has restricted access, then a crane lift will be required.

All Swim offer help and advice on delivery of your swimspa and will arrange all of this on your behalf. However, if you decide to arrange your own lift it is important to get professional advice. This should be in writing and should always be an insured lift.

## **3. Ground Preparation**

**Ground Level** - The fitness systems will require a suitable base. It might be possible to place the unit onto an existing patio or concrete base, providing it is level and flat. It is important to be sure that it will hold the weight of the system when full of water.

Where a new base is required, the ground should be prepared with a compacted hardcore sub base as well as a minimum of 150mm concrete slab and depending on the ground condition we would further recommend a layer of steel mesh is incorporated in the concrete. The slab and the subbase must be capable of supporting 1,000kg per square metre. Always ensure that there is a minimum of 50mm of concrete covering above, below and to the ends of the steel reinforcement.

**The new slab must be flat and level and have good perimeter drainage.** The base must always be larger than the aquatic fitness system, however, you may also like it larger to accommodate steps.

Packed down concrete or asphalt chippings, gravel, slate or shingle are NOT adequate bases for a swimspa and we would not deliver unless the correct base has been installed.

**Below Ground** - Our fitness systems have full depth cabinets, and all models can be installed either partially or fully to the edge of the shell.

If you intend to install either fully or partially below ground the base must be concreted as detailed above with the side walls to the desired height. If the side walls are to support any ground/earth, then it is essential that the correct construction technique is used. This might require the walls and floors to be structurally designed. NEVER BACKFILL AGAINST THE CABINET.

If sinking, the pool should sit on a base platform 25cm above the bottom of the base- this allows for drainage and future servicing and maintenance of the equipment.

If you are building a frame inside the pit to support decking or other flooring the uprights of the frame MUST NOT obstruct access to the screws holding the upright bars in position and the frame must be a minimum of 150mm (6") away from the pool to allow removal of the panels.

The new pit must be fully self-draining. If a free-flowing drain is not possible the pit will need to be fitted with, at least, an automatic sump pump, wired to its own power supply, not the same supply as the Endless Pool, which can deal with any water falling into the pit and also the runoff from surrounding areas in heavy rain. We recommend that this pump is duplicated in case of failure and a 'Test Switch' is fitted to each system for use to check that the system is functional on a regular basis. It is the responsibility of your builder and/or Architect to ensure that the drainage is sufficient to deal with any possible water ingress. Damage caused by flooding of the pit is NOT covered under warranty.

## 4. Electrical Supply

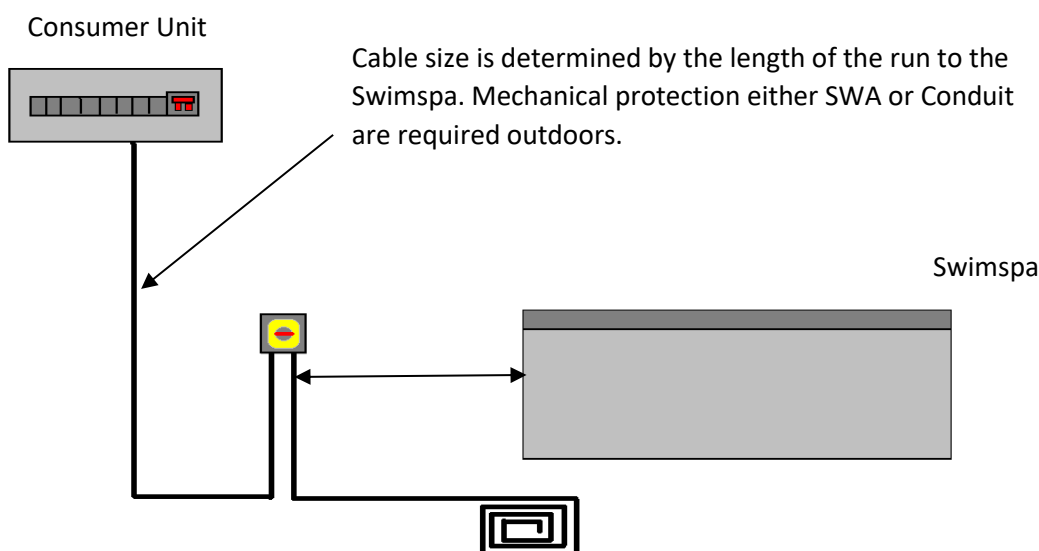
To comply with BS7671, an electrician registered with one of the following must carry out all electrical work: BRE Certification LTD (ECA&IEE); British Standards Institution; ELECSA LT; NICEIC Certification LTD or Zurich Certification Limited. Your electrician should give you a Part P certificate once the work has been completed and this should be available for our technicians to see.

If the fitness system is to be installed within a building or enclosure the relevant part of the building regulations covering electrical safety will apply. This should be installed by an electrician who must provide a certificate of conformity before the fitness system is installed. Our technicians will need to see this certificate before commissioning the fitness system and your electrician may wish to be present at this time.

We can recommend electricians with experience in this type of installation if you do not have your own electrician.

You will need to provide supplies, by the way of Type C breakers at the consumer unit connecting to (using the relevant gauge armoured cable) a separate isolating switch for each circuit, which can be locked off to carry out work. These supplies need to be RCD protected and can either be mounted on an adjacent wall or to a post no closer than 2 meters from the fitness system. The tails need to be marked as to which supply is which.

The electrician will also need to supply and fit a suitably armoured cable (10sq mm max), which will reach safely from the isolator or switch to the electrical cutout of your pool, with a minimum of 2 metres extra length to allow it to be passed into the fitness system and wired to the control box. The diagram below is an example only. The actual entry point of your swimspa is shown, marked as “electrical cutout”, on the architectural drawings we will supply to you at time of order.



Note: Some models will require 2 power supplies.

**ALL FITMENTS AND ISOLATORS MUST COMFORM TO AN ABSOLUTE MINIMUM OF IP55 RATING**

## 5. Service and Maintenance Of Your Fitness System

The equipment and control system of your Fitness system will require periodic service and maintenance therefore must be accessible. All our products are quality controlled and undertake rigorous factory testing.

If the unit is being installed into a location where full access to all sides is restricted, we recommend checking that no damage has occurred during transportation, lifting or manoeuvring, the unit is filled and water tested on site before installation.

If in the event any further warranty/service work is required, it is the responsibility of the client to ensure access is available to all components and plumbing. We only use LED lights this is due to their long-life expectancy and low running cost. However, if one should fail, service replacements can only be fitted where access between the fitness system shell and cabinet permits. Any warranty work can only be completed if full access is available.

## 6. General

Planning permissions and building regulations are not generally required unless the fitness system is going into a building. In conservation areas or if going in front of the building line it will be worth checking with your local authority if planning is required.

Model	Dimensions	Power Requirement
R200	Length 12' (366cm) x Height 50" (127cm) x Width 89" (226cm)	32 Amp/230 Volt, 50 Hz
R220	Length 12' (366cm) x Height 50" (127cm) x Width 89" (226cm)	32 Amp/230 Volt, 50 Hz
R500	Length 15' (457cm) x Height 50" (127cm) x Width 89" (226cm)	32 Amp/230 Volt, 50 Hz
X500	Length 15' (457cm) x Height 50" (127cm) x Width 89" (226cm)	32 Amp/230 Volt, 50 Hz
X2000	Overall: Length 20' (610cm) x Height 58" (147cm) x Width 89" (226cm) Swim Side: Length 15' (457cm) Spa Side: Length 5' (152cm)	2 x 24 Amp/230 Volt, 50 Hz
E500	Length 15' (457cm) x Height 58" (147cm) x Width 89" (226cm)	Swim & Treadmill 1 x 24 Amp, 1 x 32 amp 230 Volt/50 Hz Swim Only 2 x 24 Amp, 50 Hz/230 Volt
E550	Length 15' (457cm) x Height 58" (147cm) x Width 94" (239cm)	Swim & Treadmill 1 x 24 Amp, 1 x 32 amp 230 Volt/50 Hz Swim Only 2 x 24 Amp, 50 Hz/230 Volt
E700	Length 17' (518cm) x Height 58" (147cm) x Width 89" (226cm)	Swim & Treadmill 1 x 24 Amp, 1 x 32 amp 230 Volt/50 Hz Swim Only 2 x 24 Amp, 50 Hz/230 Volt
E2000	Overall: Length 20' (610cm) x Height 58" (147cm) x Width 89" (226cm) Swim Side: Length 15' (457cm) Spa Side: Length 5' (152cm)	Swim & Treadmill 1 x 24 Amp, 1 x 32 amp 230 Volt/50 Hz Swim Only 2 x 24 Amp, 50 Hz/230 Volt