WL250 & 350 IR Module
Installation Manual

WWOO
THE WATERLOGIC WAY OF OPERATING

waterlogic

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Waterlogic Foot Pedal System

Safety

Please ensure that you carefully read the information in this manual and for any parts, refer to your specific part listing. The below is not a step by step working practice and only trained members of staff are to follow these instructions.

Caution! Please ensure the retrofit of Waterlogic IR modules are only carried out by trained and experienced technicians. The Waterlogic IR module retrofit is NOT to be carried out by ANYONE who is not experienced or trained on Waterlogic systems.

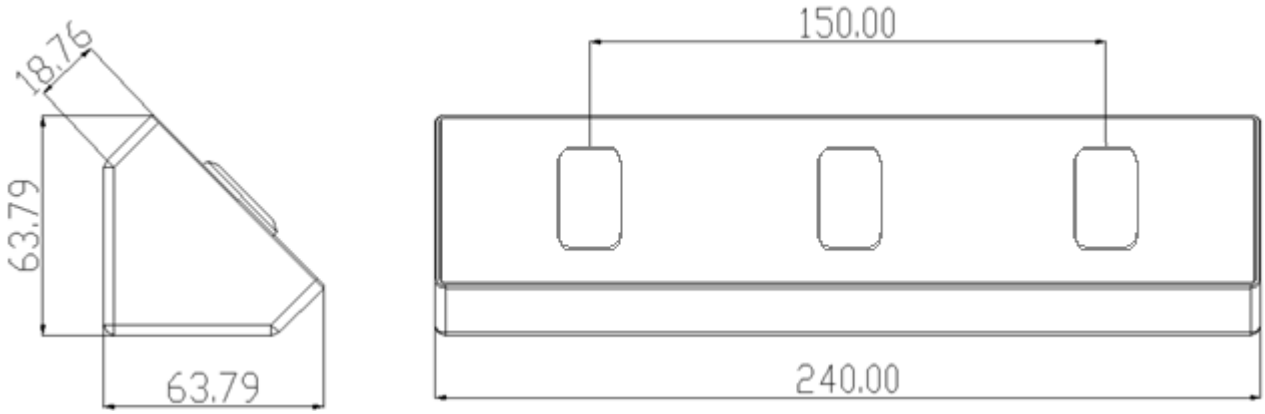
Warning! Take extreme caution when working with electricity, safe isolation processes MUST be followed before carrying out any retrofit work.

Do not operate if damaged! If the machine or supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

What is the Waterlogic IR module?

Waterlogic has produced a hands-free solution to help our end customers achieve the highest hygiene standard in the workplace. Our IR module fit most of our dispensers (including Table Tops) providing access to the same great quality water.

Waterlogic IR Module Specification



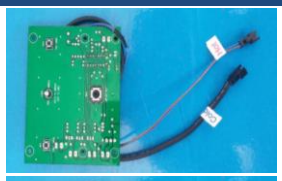
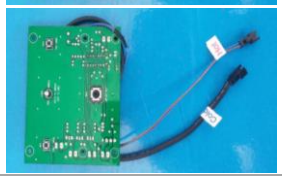
Part Numbers and Ordering

Ordering

Please order through Waterlogic with the below part number kit numbers. IR Modules are NOT universal for all models.

- IR Modules come with the required wires for the connection

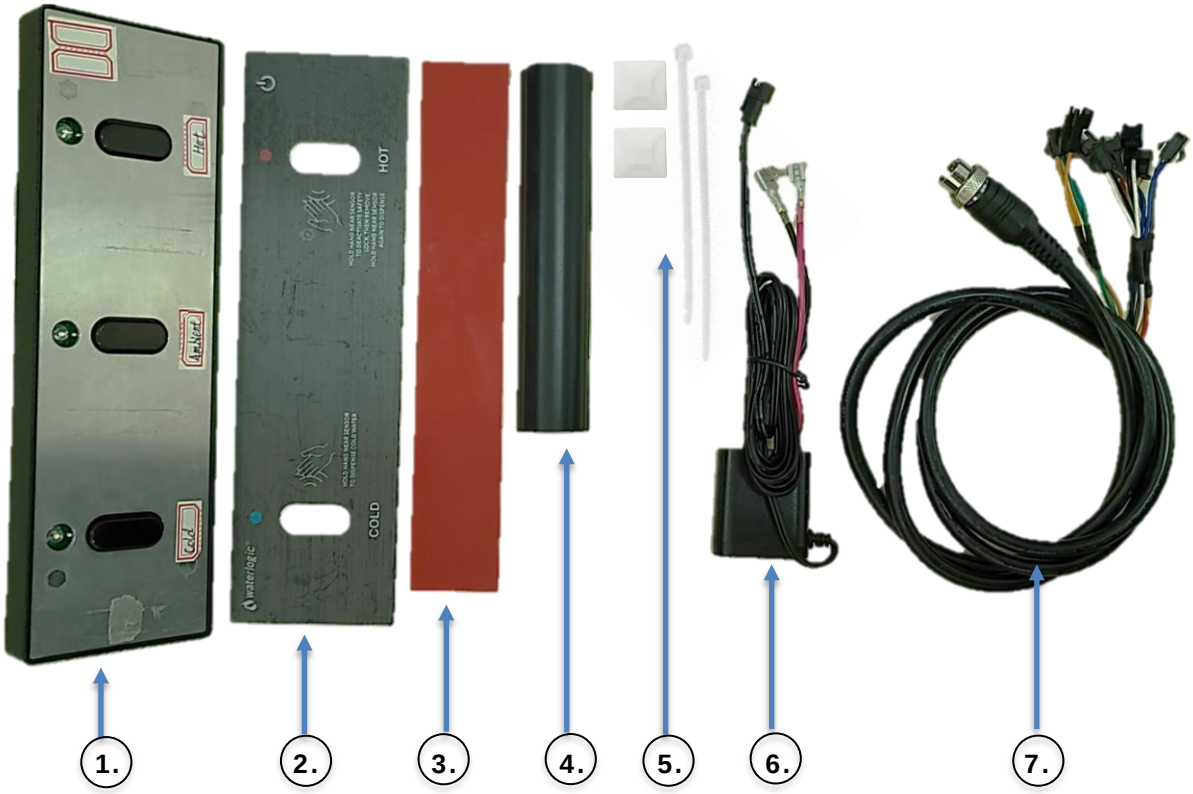
PCB Upgrade Kit Part Numbers

Example Photo	Part Number	Description
	K-AK-EL-0207-WL2FW-US	WL350 Pedal/IR Compatible PCB kit
	K-AK-EL-0207-WL2000IT	WL250 Pedal/IR Compatible PCB Kit

IR Module Part Numbers

Example Photo	Part Number	Description
	K-AK-ST-0347-L00-00-HC	IR Module Kit Hot and Cold

What is included in the IR Module Kit?

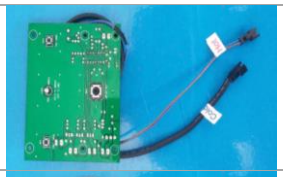


Item Number	QTY	Description
1.	1	IR Module
2.	1	UI Label
3.	1	Double sided tape for attachment
4.	1	IR Module wire trunking 150mm
5.	2	Cable tie with mount
6.	1	Power adaptor
7.	1	Signal/power cable for IR module

WL2FL(T) Installation Instructions

Parts and tools required

In order to make the retrofit to the WL250 and WL350 models, you will need the following parts/tools;

Example Photo	Part Number	Description
	K-AK-ST-0347-L00-00-HC	IR Module Kit
	K-AK-EL-0207-WL2FW-US	WL350 Pedal/IR Compatible PCB Kit
	K-AK-EL-0207-WL2000IT	WL250 Pedal/IR Compatible PCB Kit
	-	Selection of screwdrivers
	-	Drill and 17mm high speed steel drill bit **(countertop models only)**
	-	Appropriate Personal Protective Equipment for the retrofit

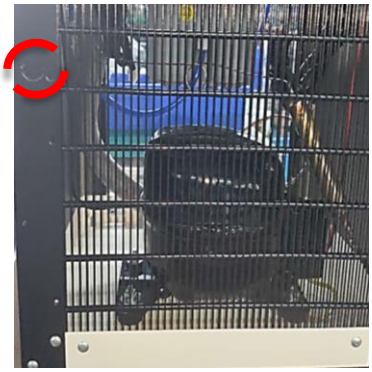
Installation

It is advised to turn off the water supply to the machine and disconnect the water supply during these steps to make it easier to maneuvrer the machine. If you have enough working space around you, this step is not necessary.

Safely isolate the WL250 or WL350 from the main power supply. To do this, remove the power plug from the mains socket and unplug the other side of the power harness from the back of the machine. Place the power lead in a safe position away from any water or trip hazard locations – It is recommended to place in your tool bag.

For Countertop Models only: Using appropriate personal protective equipment, drill 17mm hole into the back of the machine as per below location. Take extreme caution while doing this task.

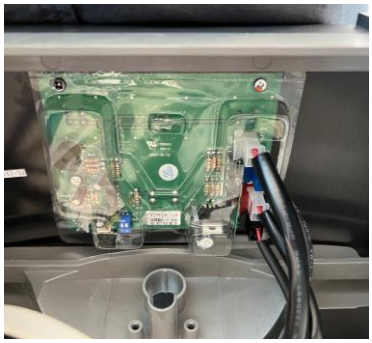
For Free Standing (Tower) models only: Carefully knock through the knockout hole for the IR module wire harness to go through. It may be necessary to enlarge the knockout hole using a 17mm drill bit for the grommet to fit appropriately.

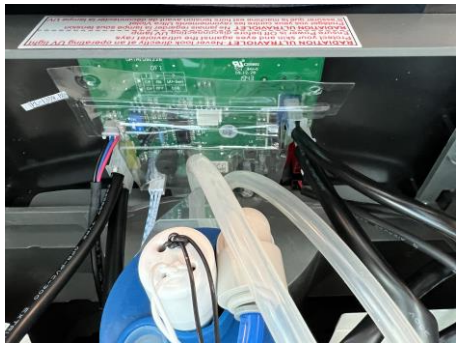


Fit a rubber grommet into the hole that has either been drilled for mini models or knocked out for free standing models. The grommet is used to protect the harness as it goes through the machine. Insert the small connector bundle through the hole and route up into the upper compartment of the machine for connection to the PCB.

Install the UI PCB and IR Module

Remove existing UI PCB and replace with the contactless PCB kit. Please ensure the correct UI PCB is fitted to the correct water options version of the machine you are carrying out the contactless retrofit to. Be sure to reconnect all connections to the new PCB as they were on the old PCB.


WL250 PCB


WL350 PCB

Ensure the correct IR module water options is used for the WL250 or WL350. Connect the Hot and Cold leads of the PCB to the Hot and Cold leads of the IR Module cable.

IR Module Power Connection

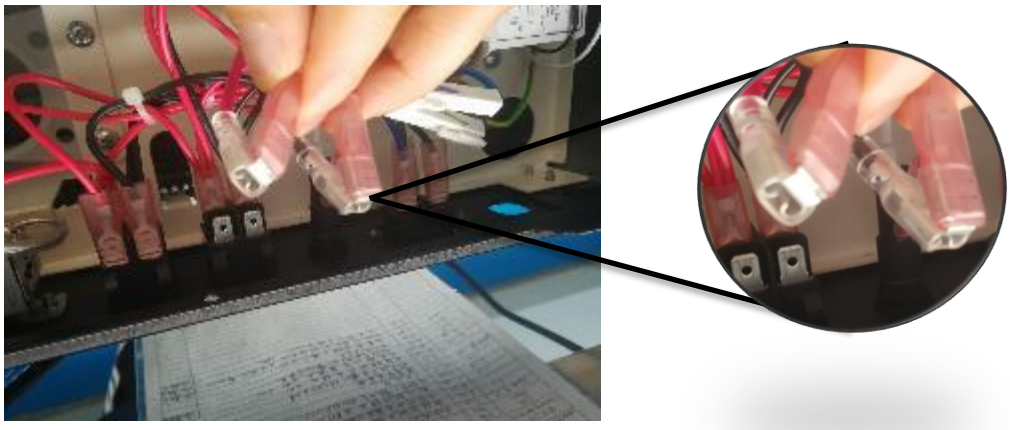
It is imperative the below is followed **correctly** ensure that electrical safety checks are carried out before any power is re-established to ensure you have the correct electrical polarity.

Taking the power adaptor (item 6, page 5) you will need to connect the spade fittings to the power source located at the rear of the machine.

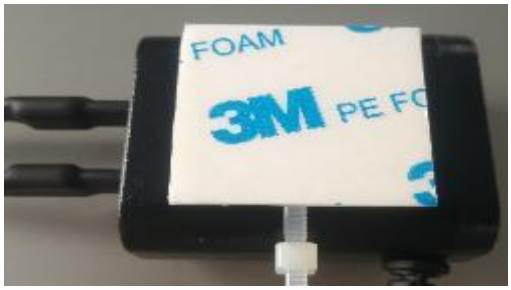
Connect the power Inlet wire, Live and Neutral together with the IR Module wire and connect back to the switch again.

Ensure the following is connected

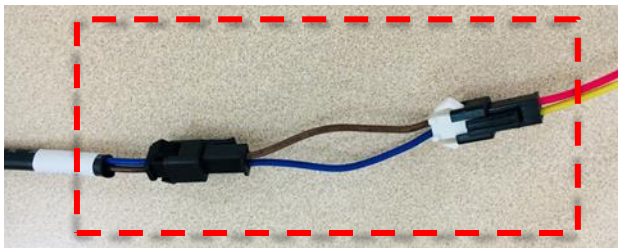
- IR adaptor **Red Wire** connector + Machine fuse wire (**Black**)
- IR adaptor **Black Wire** connector + Machine socket/EMI wire (**Blue**)



Carefully attach the power pack to the back of the machine, above the cold thermostat using the mount and cable tie. Ensure the power pack **is not** touching the cold thermostat and sufficient clearance is met.



Helpful tip: If the IR module does not operate, the signal and ground may be the wrong way around, by switching the signal and ground around the other way may solve the issue. To do this, you will need to use the additional connector as shown below.



IR Module Connection

With the IR Module Connector wire routed to the outside of the machine, slip the wire into the wire trunking, then make the connection to the IR Module. Using the double sided tape, attach the IR module to the top of the machine in the desired position.

With the IR module in position and the wiring harness safely installed, you can now turn on the water supply and re-establish the power supply. Check for correct operation of the IR module and ensure all water options are operating correctly.

Waterlogic Trading LTD,
WLI Trading Limited, Second Floor, Suite 4, Beacon Court, Sandyford, Co. Dublin, Ireland
Tel: + 353 (0) 1293 1960 - Fax: + 353 (0) 1293 1052

WLI (UK) LTD
Global Headquarters Grenfell Road, Maidenhead, Berkshire, SL6 1HN, United Kingdom

For Technical Support Email: support@waterlogicsupport.zendesk.com