Master Off

This key stops all active functions and returns the device to stand-by mode.

Setting the Clock

Press and hold key 15. After a few seconds the digital display will flash. Select the correct hour using keys 13 & 14. Press key 15 again and follow the same procedure to set the minutes. Press key 15 once more to save the time value and return to stand-by mode.

Brass Under Water Light

Key 5 turns the underwater light on & off. This can only be operated when the water level indicator is on.

If the water level drops the function will be aborted, more water will need to be added before the underwater light can be activated again.

Disinfection Cycle

The disinfection cycle can only be run when the water level indicator is on.

Pressing Key 6 causes Light 8 to flash. A fast flashing action indicates that the disinfectant level is not sufficient and needs topping up; A slow flashing action indicates that there is enough disinfectant and the disinfection cycle can begin.

After a couple of seconds d_0 will appear on the visual display, at this point press key 6 again to start the disinfection cycle which runs for 3 minutes. If key 6 is not pressed during the d_0 stage the action will be aborted and the control pad will return to stand-by mode.

Once the cycle has finished END will appear on the visual display. The bath must be completely emptied before it is used again.

Whirlpool

The whirlpool function can only be operated when the water level indicator is on.

Press key 11 to activate/deactivate this function. The running time will appear on the visual display and is automatically set at 15 minutes. This duration can be modified, from 5 minutes to 30 minutes, using keys 13 & 14.

If the water level drops the function will be aborted, more water will need to be added before the whirlpool can be activated again.

Wave

This function can only be activated if the whirlpool is running.

Key 12 turns this function on & off. This feature varies the pressure of the whirlpool by adding air to the jet stream - creating a wave effect. You can press key 12 to stop the wave action and maintain a desired pressure at any time during the cycle.

Airpool

The airpool can only be operated if the water level indicator is on.

By pressing key 8 the airpool function starts at its maximum speed and the visual display indicates a 15 minute countdown. This duration can be modified, from 5 minutes to 30 minutes, using keys 13 & 14. If the whirlpool is already in operation, the countdown goes on from the displayed value.

Whilst the airpool is running the air flow rate can be adjusted, from a minimum speed of 1 to a maximum of 12, using keys 7 & 9.

Press key 8 again to turn the airpool off.

If the water level drops the function will be aborted, more water will need to be added before the airpool can be activated again.

Airpool Sequency

This key stops all active functions and returns the device to stand-by mode.
The airpool sequency feature can only be operated if the water level indicator is on. The airpool has a special programme that can be activated by pressing key 7 (when the airpool is not already in operation). This initiates a programmed speed sequence that alternates maximum speed to minimum speed for a certain number of cycles. The cycle is characterised by an acceleration from minimum to maximum speed that lasts 2 seconds, remaining at maximum speed for 15 seconds. At this point the airpool decelerates from maximum speed to the minimum, lasting 2 seconds, followed by 15 seconds at the minimum speed. This cycle is then repeated. Press key 8 to turn this feature off.

**System Blow Dry**

Press key 8 when the bath is empty to blow dry the pipework. d_3 & d_4 appear on the visual display and the blower will progressively increase to maximum speed until the cycle is complete.

**Temperature Display**

To display the temperature value the whirlpool or the airpool must be in operation. Press key 3 and the temperature will be displayed in °C for 15 seconds.

**Temperature Setting**

Press key 3, 13 or 14 to change the temperature setting. Key 3 allows the user access to 9 pre-set massage programmes. To activate a programme all other functions must be off and the water level indicator must be on.

By pressing key 4, light 4 starts flashing and the programme number is displayed. Keys 13 & 14 can be used to select one of 9 different pre-set programmes (Pr01 - Pr09). To activate the chosen programme press key 4 again. The visual display will show a count down that indicates the duration of the selected programme. If during programme selection no keys are pressed within 10 seconds, the control unit will return to stand-by mode.

When the programme is in operation no additional functions can be activated other than the temperature readout, the under water light and the master off key.

**Pre-set Massage Programmes**

Key 4 allows the user access to 9 pre-set massage programmes. To activate a programme all other functions must be off and the water level indicator must be on.

By pressing key 4, light 4 starts flashing and the programme number is displayed. Keys 13 & 14 can be used to select one of 9 different pre-set programmes (Pr01 - Pr09). To activate the chosen programme press key 4 again. The visual display will show a count down that indicates the duration of the selected programme. If during programme selection no keys are pressed within 10 seconds, the control unit will return to stand-by mode.

When the programme is in operation no additional functions can be activated other than the temperature readout, the under water light and the master off key.

**User Programming**

To personalise a sequence make sure the water level sensor indicator is on and follow the steps below:

a) Press key 3
b) St01 will appear on the on the visual display. At this point the system is ready to record the first step of the sequence.
c) Select a function (Whirlpool, Wave, Airpool, Airpool Sequence), or a combination these functions and press the appropriate keys to activate them.
d) Press key 3 again and the duration will be displayed in seconds.
e) Use keys 13 & 14 to select the running time of this stage.
f) Press key 3 again to confirm the selected value. This completes the recording of step 1. The visual display will now read St02.
g) Repeat stages 'c' to 'f'. You can record up to 25 steps and each step can have a max duration of 200 secs.

In order to exit the user programming press key 3 with no other functions in operation. The programme will be saved as Pru1 and can be started by pressing key 4 twice.
Apology to installers

This whirlpool system has been fitted to this bath so as to allow as little water as possible to remain in the pipework after use. With some baths (especially corner baths) our best fit policy can occasionally mean a pump position or awkwardly placed pipework which will make life difficult for the installer and increase the normal installation time.

Our policy on water retention is, that is better for the installer to “suffer” for a couple of hours, than for the end-user to suffer for years - If you are one of the few installers to “suffer”, please accept our apologies.

The quality of this finished product is now in your hands. If you would like to discuss the options available, please ring us on our Duty Technical Support Engineer on 07787 982551 (8am-8pm Monday to Sunday)

It is the responsibility of the contractor/purchaser to ensure that this bath is installed only by a qualified Plumber & a qualified Electrician. All electrical connections must comply with the current edition of I.E.E. Regulations. After connection the appropriate completion certificate must be presented to the end user in accordance with I.E.E. Regulations.

WARNING - If damage is caused to the system due to mishandling or incorrect installation, Whirlpool Express (UK) Ltd reserve the right to charge for any repair work needed! Our Callout charge is £75.00 plus VAT and will be charged to the customer for all callouts whether the fault lies with the customer or the installers.

Apology to installers

This bath has been factory fitted with a quality whirlpool system. Once fitted the whole system has then been water & electrically tested, quality inspected and then wrapped to ensure that it arrives with you in perfect working order.

The quality of this finished product is now in your hands. Please read all the instructions overleaf before commencing installation. Should you have any difficulty then ring our Duty Technical Support Engineer on 07787 982551 (8am-8pm Monday to Sunday)

It is the responsibility of the contractor/purchaser to ensure that this bath is installed only by a qualified Plumber & a qualified Electrician. All electrical connections must comply with the current edition of I.E.E. Regulations. After connection the appropriate completion certificate must be presented to the end user in accordance with I.E.E. Regulations.

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**ELECTRICIANS INSTRUCTIONS**

- The whirlpool system must be protected by an ELCB/RCCB. If one is not yet fitted to the mains board of the property it is necessary to do so now. Alternatively an ELCB/RCCB may be installed on the spur supplying the whirlpool system. In most circumstances the system may be connected into the 13 amp ring main, it does not need a separate supply from the main board. This connection should be made via a 13 amp fused spur, located outside of the bathroom.

- It is not adviseable to locate the E.L.C.B./R.C.C.B. under the bath, it is awkward for testing and does not necessarily protect the wiring going into the bathroom!

- **DO NOT** remove the protective tape from the controls on the rim of the bath until all plastering and grouting has been completed. Grout dust has been known to cement the aircontrol solid.

- **DO NOT** remove any electrical ties on the whirlpool pipework - they are there for a purpose. If you wish to relocate any of the electrical boxes for ease of access after installation please make sure that wires are not stretched.

- **DO NOT** allow anyone to dry run the pump. i.e.do not run the pump without water in the system. Water acts as a coolant for the pump impellor and casing without which costly damage will occur.

- If it is necessary to remove the pump from the bath ensure that when it is reinstalled that the rubber seals are in place.

- The pump and controls have been pre-wired for ease of installation - please double check that all connections have travelled well and are to your satisfaction.

- Connect the unassigned mains cable from the control box through the E.L.C.B. to the 13A fused spur.

- Connect the earth bonding as required by I.E.E. Regulations.

- In the absence of a plumber it is advisable that the electrician carries out the initial commissioning procedures - see below.

- The electrical installation should now be inspected in accordance with the latest edition of I.E.E. regulations and the Completion Certificate signed and handed to the customer.

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**COMMISSIONING CHECKLIST**

- Fill the bath with water to a level of 2' above the level of the jets check the system for leaks, please pay particular attention to the pump unions.

- Demonstrate the operation of the whirlpool to the customer

- Show the customer how to carry out the monthly test of the E.L.C.B.

- If the bathroom is to be tiled after installation please place protective wrapping back over the controls to prevent contamination with grout dust.

- Hand these instructions, the electrical completion certificate and the system guarantee to the customer.

- Explain how the whole system can be isolated by means of the fused spur.

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**FAULT FINDING**

**Symptom**

Press on/off button - nothing happens.

**Solution**

Check water is above the water level sensor and that the light is showing on the water level sensor. Check power supply is getting to control box. Check operation of the ELCB if the ELCB fails to test then the problem is at the fuse in the fused spur. If power supply is getting to Control box then check connections to pump and ancillaries are intact and have not been stressed.

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**LET'S GET IT RIGHT FOR THE CUSTOMER - NOW**

Our Technical Support Engineer is available to help you on:

01633 244555

8am to 8pm - 7 days a week

Thank you for taking the time to read these instructions. We have genuinely tried to make installation as uncomplicated as possible for both the plumber and the electrician. Many of the improvements we have made to our systems over the years have been as a result of feedback from installers. If you have any suggestions for further improvements that could be made, please write and let me know.

Roger Thompson
Managing Director
Whirlpool Express (UK) Ltd

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