

THE



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Man lands on Mars

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Scientist reverses global warming

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MAN READS USER MANUAL

Another giant leap for mankind was today made by one intrepid explorer

Full story on pages 2-11

We've got lift-off!

This may not be rocket science, though your HOTTAP does feature some pretty nifty technology. We nonetheless commend you for taking the time to read this *abbreviated* version of the user manual.

It's one small step, but it just might save you from unnecessarily going into orbit.

Here are the principles and guidelines to bear in mind on your maiden journey.

HOTTAP is activated by water pressure

- Without sufficient water pressure, *nothing* will happen
- Running on mains water is no problem
- House pumps are generally powerful enough
- Gravity feeds require a drop height of at least 15m
- 12V pumps must have a flow rate of 6-12L/m and a cut-off of 40-60 PSI
- 12V pumps powered by weak batteries have lower output than stated

HOTTAP shows quality of flame in viewfinder

- Look through slits above the control dials to see the burners
- If you see no flame, HOTTAP has not ignited
- A still blue flame with yellow tips is perfect
- A flame that moves side to side or stretches up means wind issues
- A yellow flame indicates an issue with the gas mixture

HOTTAP is limited by the laws of physics (and the government regulatory authority)*

- HOTTAP automatically shuts off when outlet water hits +50°C
- In summer, lower gas flow and increase water flow to avoid safety shut-off
- In winter, run at high gas flow and low water flow for maximum heating
- The temperature of incoming water can be increased by maximum 30°C (e.g. if incoming water is +10°C, HOTTAP can put out +40°C water)
- If you have a 12V pump (included in the Outing Kit) you can gradually increase the temperature by recirculating the water; simply direct the heated water back into the container you are drawing from until it has reached desired temperature

* To date, anyone claiming to offer better output than HOTTAP in an equally small package has either been breaking the laws of nature or those of the government regulatory authority. Or they have simply lived in Advertising Land, where anything is possible until proven otherwise.

Problem	Cause	Solutions
LED screen does not light up and there is no clicking sound	Water pressure not sufficient	<ul style="list-style-type: none"> - Ensure that water hoses are fitted correctly; blue input hose to the right and red output hose to the left - Check for debris in blue hose and mesh filter - Refer to water pressure section on preceding page
	No battery power	<ul style="list-style-type: none"> - Check that springs and tab in battery box aren't damaged - Insert TWO brand new batteries; not a mixed set (if you can test, each battery should produce 1.6V)
LED lights up and there is a clicking sound, but no flame	Insufficient battery power	<ul style="list-style-type: none"> - Insert TWO brand new batteries; not a mixed set (if you can test, each battery should produce 1.6V)
	Air lock in gas hose	<ol style="list-style-type: none"> 1. Turn off gas and disconnect gas hose from HOTTAP 2. Turn on the water. You should hear quick clicking followed by louder clunk (gas solenoid opening). 3. If you could hear loud clunk: <ul style="list-style-type: none"> - Purge gas hose by turning gas on for 5 seconds - Wait for 30 seconds before connecting gas hose and restarting HOTTAP 4. If there was no clunk, insert TWO brand new batteries; not a mixed set (if you can test, each battery should produce 1.6V)
HOTTAP will only work with water setting at "Lo"	Insufficient water pressure	<ul style="list-style-type: none"> - Check for debris in both blue hose and in the mesh filter inside quick-connect copper pipe - Refer to water pressure section on preceding page
HOTTAP suddenly turns off	Safety cut-off temperature of +50°C reached	<ul style="list-style-type: none"> - Turn gas flow down and water flow up - Check that input water isn't already hot (e.g. water from sun-baked jerry can) - Check for partial blockage (kinked hose or debris) in both blue hose and mesh filter inside quick-connect copper pipe
	Wind	<ul style="list-style-type: none"> - Avoid hanging HOTTAP on a large flat surface, as this can catch wind and direct it into burners - Shield top of HOTTAP to prevent wind from blowing down and into the burners



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