

Infinity Spa Control

I. Description on Computer Control System:

A. M07 (standard configuration)

1. Performance of the machine:

- < Blue backlight LCD display
- < Functions of thermostat, air pump, water pump 1, water pump 2, filter pump (optional), underwater lamp, and ozone control
- < Thermostat can adjust the temperature
- < System has the water level inspecting function
- < Built-in FM radio, automatically search and store band, it can be connected with CD.



Drawing 1 Keys on Control Panel

< Cautions:

- Z **Assure reliable grounding protection for this machine.**
- Z Please carefully check the wires before supplying power, plug-in after confirming there isn't any problem.
- Z In order to prolong the service life of the controller, the interval time for repeatedly turning on/off the machine shall exceed 30 seconds; please cut off power supply after using.
- Z In order to assure favorable radio effect, please adjust the antenna to the suitable position. Please do not connect the electric appliances which are not recommended by the manufacturer with this controller. It is not allowed to disassemble or refit the wires inside. Our company doesn't undertake any responsibility of the result if users disobey above regulations.

< **Operation Description:**

Keys on control panel are shown in Drawing 1.

- < **Turn on the Machine:** under plug-in state, press **Power ON/OFF Key** to turn on the machine, and the whole system keeps at standby state, LCD displays “HELLO” and power indicator lights on.
- < **Water Level Test Function:** System is equipped with water level probe and LCD may display water shortage mark if there isn't enough water in the tank; at this time, thermostat, water pump and air pump don't work.
- < **Water Pump Function:** press **Water Pump Key** to turn on/off water pump 1 and water pump 2, after the water pump is started, LCD displays the Water Pump mark, water pump may automatically turn off if there isn't adequate water.
- < **Air Pump Function:** directly click **Air Pump Key** to turn on/off air pump, after air pump is started, LCD displays corresponding mark, air pump may automatically turn off if there isn't adequate water.
- < **Thermostat Function:** directly click **Thermostat Key** to turn on/off thermostat, LCD displays corresponding marks when thermostat is working, thermostat may automatically turn off if there isn't adequate water.
- < **Thermostat Temperature Setting:** adjust the **Temperature +/- Key** to set water temperature (default temperature is 40°C, temperature setting range: 15-45°C), when the water temperature is higher than the set value, the system will automatically turn off heating function.
- < **Underwater Lamp Function:** directly click **Underwater Lamp Key** to turn on/off underwater lamp (AC12V/20W, do not exceed 30W).
- < **Ozone Function:** directly click **Ozone Key** to turn on/off ozone, LCD displays corresponding symbols.
- < **Radio/CD Function: Radio /CD Key**, repeatedly click it to search relative speaker functions.
 - < Press it for the first time to turn on the built-in FM radio;
 - < Press it again to turn off the radio and output music from CD player;
 - < Press it for the third time to turn off the speaker.

The system is built-in FM stereo radio with frequency LCD, digital tuning and automatic searching functions. Under Radio ON state, hold “M” key for over 2 seconds, the system may automatically search band (88.0MHZ-108.0MHZ), and store the bands with strong signal in the system (altogether 68 channels can be stored), and then press **Channel + / Channel –** to select frequency. When there's unclear band, click “M” key to delete to press “TUN-” or “TUN+” to precisely adjust the frequency, click “TUN- ” to manually search band downwards (88.0MHZ-108.0MHZ), click “ TUN+” to manually search band upwards, hold the key for more than 2 seconds to automatically search band, the system may automatically stop and display the band when there's band with strong signal, press Volume +/- to adjust volume.

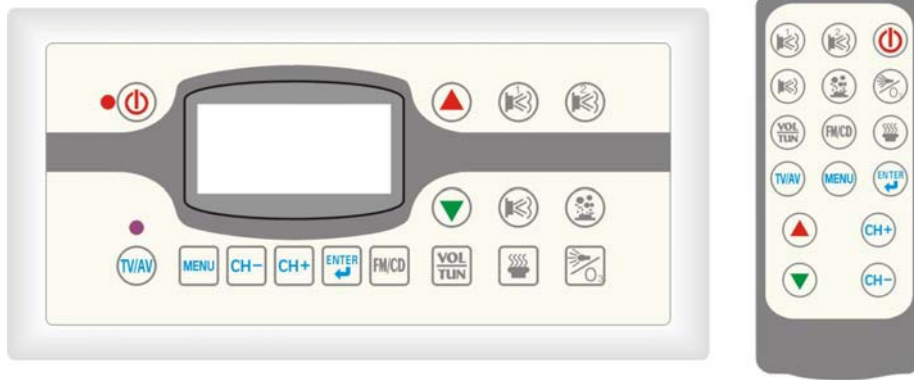
< **Filter Function**

If the filter water pump is activated, continuous water may flow into the filter, and the filter core may collect the pollutant in the bathtub. After a period, the pollutant may obstacle the water, then please clean or replace the filter if water flow becomes small.

- < **Turn off the Machine:** press **Power Key** to turn off all functions and displays.

















Caution: Please cut off power supply if the machine won't be used for a long period for preventing to keep the machine at standby state!

B. M08 (with TV function)



Drawing 1 Main Control Panel

Drawing 2 Remote Controller

-  Power Key
  Video/TV Switch
  TV Menu Key
  TV Power Key
  Channel / Menu + Key
-  Channel / Menu - Key
  Radio /CD Switch Key
-  Volume / Frequency Switch Key
  Thermostat Control Key
  underwater lamp /Ozone Key
-  Water pump 1
  Water pump 2
  Filter Pump
  Air Pump Key
-  Temperature/Time/Volume/Frequency/TV Volume/TV Menu Confirm + Key
  Temperature/Time/Volume/Frequency/TV Volume/TV Menu Confirm - Key

15 . 1 TFT LCD MONITOR

USER'S MANUAL

- Do not block the ventilation holes on the cabinet.
- Keep the monitor dry. To avoid electric shock, do not expose it to
- Rain or excessive moisture.
- When positioning the monitor, make sure the power plug and outlet are easily accessible.
- If turning off the monitor by detaching the power cable or DC power cord, wait for 6 seconds before attaching the power cable or DC power cord for normal operation.
- To avoid the risk of shock or permanent damage to the set, do not expose the monitor to rain or excessive moisture.
- **IMPORTANT:** Always activate a screen saver program during your application. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in LCD technology. In most cases, the after-image will disappear gradually over a period of time after the power has been switched off. Be aware, that the after-image symptom cannot be repaired and is not covered under warranty. Consult a service technician if the monitor does not operate normally when the operating instructions given in this manual have been followed.

1.Product Features

- Outstanding front of screen performance
 - Zero Bright DotTM ~ Zero tolerance for LCD bright dot defects - guaranteed
 - Fast response time ~ Get the job done quicker with fast response time
 - XGA, 1024 x 768 resolution ~ Accurate color displaying with high resolution 1024x768 XGA
- Maximum comfort for maximum productivity
 - Built-in speaker ~ Great integrated audio without clutter or extra cost
 - Screen tilt and swivel ~ Screen tilt and swivel adjustment
- Best Total Cost of Ownership Solution
 - anti-theft lock ~ Added security prevents theft by locking monitor in place
- Great Convenience
 - VESA mounting hole ~ VESA mounting pattern for easy wall mounting your display

2.OUTLOOK



5. CONTROLLER



Power:

MUTE :

* Input:

RGB --- COMPUTER

CVBS --- AV (DVD VCD)

S-VIDEO ---AV

TV --- TV TUNER

PRO : UP (DOWN) SELECT CANNEL

MENU : OPEN MENU / SELECT NEXT

ESC : EXIT VOL : + -VOLUME

DISPLAY/RECALL : DISPLAY/RECALL INFOMATION

0 - 9 -/-- : SELECT CANNEL

*AUTO : MENU Æ

6. OSD

OSD LIST

COLOR :

AUTO :

RGB : RGB COLOR

COLOR :

(6000K-10000K ,)

ADJUST :

H ADJUST :

V ADJUST :

PHASE :

RESET :

OSD TIME :

OSD ADJUST :

INFORMATION :

LANGUAGE :.

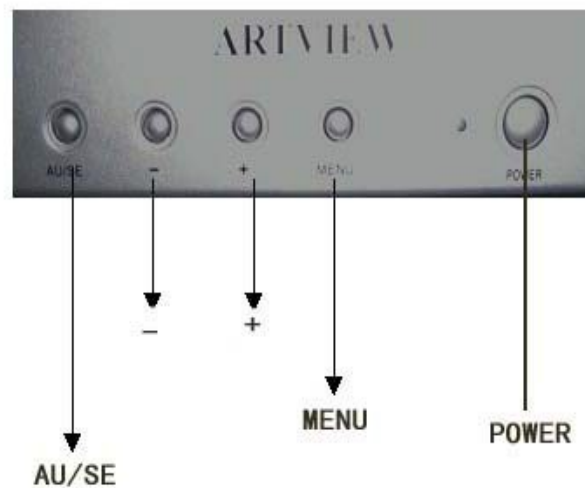
POWER : DC POWER

MENU : OSD CALL /NEXT




+ : + /CELECT NEXT

_ : -/CELECT NEXT









AU /se : AUTO /SELECT



Please see Drawing 1, 2 and 3 for the Keys on Control Panel.

- < **Turn on the Machine:** under plug-in state, press **Power Key**  to turn on the machine, and the whole system keeps at standby state, LCD displays “HELLO” and power indicator lights on.
- < **Water Level Test Function:** System is equipped with water level probe and LCD may display water shortage mark if there isn't water in the tank; at this time, thermostat, water pump 1/2 and air pump don't work.
- < **Water Pump Function:** press **Water Pump 1**  or **Water Pump 2 Key**  to turn on/off water pump 1 and water pump 2, LCD displays the Water Pump mark, water pump may automatically turn off if there isn't adequate water.






 Australian Spa Parts




- < **Air Pump Function:** directly click **Air Pump Key**  to turn on/off air pump, after air pump is started, LCD displays corresponding mark, air pump may automatically turn off if there isn't adequate water.
- < **Filter Function:** click **Filter Pump Key**  to turn on/off filter pump. After turning on the filter, LCD displays corresponding marks, and the filter may automatically turn off if there isn't water. And the mark flashes for 10 seconds, during this period, press “” or “” to set the work time of thermostat (0-4 hours), if time isn't adjusted during this period, the filter will keep on.
- < **Thermostat Function:** directly click **Thermostat Key**  to turn on/off thermostat, LCD displays corresponding marks when thermostat is working, thermostat may automatically turn off if there isn't adequate water. The thermostat is under the control of filter pump, and the thermostat can be activated after turning on the filter pump, after turning off the filter, the thermostat will automatically turn off. Under ordinary state, press “” or “” key to adjust the heating temperature (default temperature: 15°C, temperature range 15-45°C), if the water temperature is higher than the set value, the thermostat will automatically stop heating.
- < **Underwater Lamp Function / Ozone Function:** directly click **Underwater Lamp /Ozone Key**  to turn on/off underwater lamp (AC12V/20W, do not exceed 30W) or ozone AC12V, LCD displays corresponding symbols. Click the key for the first time to turn on underwater lamp, for the second time to turn on ozone, and click it for the third time to turn off underwater lamp and fourth time to turn off ozone.
- < **Radio/CD Function: Radio /CD Key** , repeatedly click it to search relative speaker functions.

< Press it for the first time to turn on the built-in FM radio;





< Press it again to turn off the radio and output music from CD player;





< Press it for the third time to turn off the speaker.

The system is built-in FM stereo radio with frequency LCD, digital tuning and automatic searching functions. Click  **Volume /Frequency Key** to switch to frequency adjustment state, the LCD displays the frequency, at this time, hold “” or “” key to automatically search band upwards or downwards (88.0MHZ-108.0MH), and may stop when there's band with strong signal. Click “” or “” and press Channel – key to manually search downwards (88.0MHZ-108.0MHZ).

Click  **Volume / Frequency Key**, LCD displays “db” and then press “” or “” to adjust volume.

- < **Turn off the Machine:** press **Power Key**  to turn off all functions and displays.

TV Function: Press the TV Power Key  to turn on/off the TV, press Channel / Menu +  or  Channel / Menu – key to select channels, press Menu  to display menu and select required functions

(brightness, language, volume and calendar), press “” or “” to confirm. TV menu may display for 5 seconds, temperature and time can't be adjusted during this period. Press TV Volume +  or TV Volume -  to adjust TV Volume.

II. Description on Lifting/Descending TV Set:

1. Under power on state, press Power Key to turn on the machine, start water pump 1, and turn the lifting valve beside the TV to slowly lift the TV set.
2. Volume adjustment: under video output state, connect the DVD audio wire with CD access, switch the function to CD state on control panel, click“VOL+” or “VOL-” to adjust volume.

III. Introction to the Product:

1. Materials: it is made of acrylic plate with GFRP (Color: A001---cloud blue; A002---cloud white; A003---cloud green; A004—pearl white; A005--- sesame blue; A006--- sesame green; A007--- sesame white) etc.
2. Functions: water force surf and massage, bubble bath, filter, ozone disinfectng, FM radio, CD (optional), underwater lamp, computer control etc.

IV. Description on Using Parts:

Z Thermostat:

A. Materails and structure of thermostat:

- (1) Silicon nitride heating sheet
- (2) Two sets of thermostats (max constant temperature 40< -43< , protection temperature 55-60<)
- (3) Pressure switch (water pressure ≥0.02Mpa).

VIII. Troubleshooting:

Faults	Reason	Solution
No power supply	1. There's problem for the power circuit; 2. Protective switch is activated.	Check the circuit Check and remove short circuit, conenct the protective switch
Nozzle doesn't spray water	1. There's problem for power supply of water pump; 2. Water pump is not started. 3. Massage water pump is damaged	Check and connect the power wire; Check the massage water pump Replace the massage water pump
Underwater lamp doesn't light on	1. Bulb is damaged; 2. Fuse is broken.	Replace the bulb Replace the fuse
Poor filtering effect	1. Filter water pump is not started; 2. Filter isn't cleaned; 3. Filter water pump is damaged.	Start the filter water pump Clean the filter Replace the filter water pump

Constant temperature effect is unavailable	<ol style="list-style-type: none"> 1. Thermostat is damaged; 2. Power supply is unavailable. 3. Filter is jammed. 	<p>Repair or replace the thermostat</p> <p>Check the power supply</p> <p>Clean or replace the filter paper core</p>
Bathtub is scratched		Grind with 2000# grinding paper with water, and then polish with toothpaste and soft fabric

