CX Premium Salt & Mineral Chlorinator

Chlorinator

INSTALLATION AND OPERATION MANUAL

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TABLE OF CONTENTS

1. IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

1.1 Important Warnings

This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner and/or operator of this equipment. When installing and using this electrical equipment, basic safety precautions should always be followed. Failure to follow safety warnings and instructions in this manual can result in serious injury and/or damage to your equipment. Read and follow all warning notices and instructions which are included in this manual.

The power supply internally contains live components. There is a danger of electric shock if opened. If the power cord is damaged then it should be replaced by the manufacturer, their agent or similar.

1.2 Important Safety Instructions

To reduce the risk of injury, **DO NOT** permit young children to use this product unless they have been trained by the person responsible for their safety and they acknowledge their ability to use such equipment. To reduce the risk of accidents or incidents, service on the unit should only be performed by your local pool professional.

1.3 General Warnings

The unit must be correctly installed in accordance with section 4.1 before start up. Failure to correctly mount the power pack in the vertical position will result in water ingress, voiding the manufacturer's warranty.

Failure to maintain the correct salt levels may result in damage to the salt cell or power pack.

When diluting acid, always add acid to water. never add water to acid.

Do not plug unit in if carton has been wet.

Gas build up can occur with improper setup. To reduce the risk of personal injury the power pack is designed so that the electrolytic cell will only receive power when the pool pump is on. Otherwise, dangerous chlorine gas build-up can occur. If the pump is not installed to the AC socket (pump outlet) on the power pack, then the installer must ensure that the electrolytic cell is never energised when the pool pump is off, or when water is not flowing through the unit.

2. GENERAL OVERVIEW

Congratulations on the purchase of your Oasis CX Premium Salt & Mineral Chlorinator. Please take a moment to read through the entire manual. Your chlorinator must be installed and operated as specified in this manual.

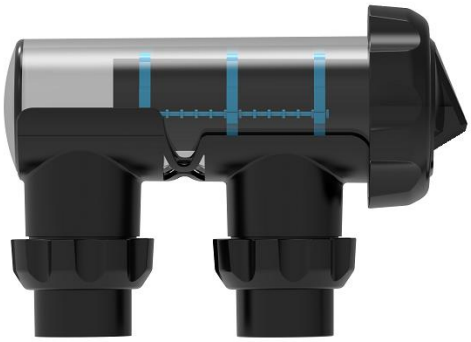
While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions. **OASIS AQUATICS Pty Ltd** reserves the right to change the specification of the hardware and software described herein at any time without prior notice.

Please remember that your Oasis CX Premium Salt & Mineral Chlorinator is not designed to chemically maintain your pool water and keep it balanced, but rather to produce chlorine from a mild salt solution within the water. We encourage regular water testing, balancing and correction if & when required to maintain the recommended balanced levels of your pool water. This is a vital part of a complete maintenance program and will ensure trouble free performance as well as a healthy and sparkling clean pool.

There is one design, comprising 6 different size models in our range:

The models available (CX15, 15LS, 25, 25LS, 35, 45 and 55) are all reverse polarity units designed to automatically change direction every 4-16hrs (depending on your setting). See 7.3 CELL CLEANING to change the reversing times. This change of polarity causes the calcium to dislodge and keep the cell plates clean. Please note that occasional cleaning of the electrode plates may still be necessary, especially in pools with high calcium levels.

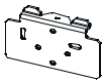
Thank you again for choosing an Oasis CX Premium Salt & Mineral Chlorinator. We wish you many happy years of swimming in your crystal-clear pool.



2.1 Recommendations and Helpful Hints

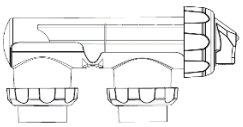
- Read and keep these instructions in a safe place.
- Increase chlorine production when temperature goes up.
- Use stabiliser to help retain chlorine in the pool.
- Maintain your salt levels between 3000-3500ppm for optimum performance (1500-2000ppm for the CX25LS Low Salt Model).
- Decrease production when temperature goes down - see 6.4 WINTER / BLANKET MODE.

2.2 Package Contents



Wall mounting bracket with level

Power pack



Cell housing with unions

2x 50/40 Reducing bushes

2x green wall Plugs with screws

Installation & operation manual

2.3 Tools Required

Drill with 6mm bit

Basic PVC fittings

PVC primer & glue

Hacksaw

No.2 Phillips screwdriver

3. POOL PREPARATION

BEFORE OPERATING YOUR OASIS CX PREMIUM SALT & MINERAL CHLORINATOR PLEASE READ THE FOLLOWING:

Check your salt levels in your pool before starting your unit. **See 6.6 to perform a SALT TEST.**

Salt and mineral levels should ideally be 3000-3500ppm (1200ppm -1800ppm for CX25LS) and no more than 4000ppm, when measured using the onboard TDS test. For some minerals, you may require up to 30% additional product to achieve the desired onboard TDS reading, which is based on the conductivity of the water. Contact your local pool professional for further assistance.

Salt levels above 5000ppm may overload the unit and cause excessive heat and void your warranty. High salt levels will also increase the power consumption of the chlorinator, due to excessive current flow within the salt cell.

For all new pool installations please seek advice from your pool builder or your local pool professional before adding salt, as some new surfaces request no salt to be added when initially completed.

Never add salt or minerals directly to the skimmer box. This high concentration of salt may cause damage as it passes through your filter, pump and other pool equipment.

HANDY TIPS

In colder water you will see reduced chlorine output, but this does not mean you need more salt. There will always be less chlorine demand in colder water.

For the standard CX range, we recommend 3.5kg per 1000 litre of pool water and a 50,000lt new pool needs approximately 175kg of salt.

For the CX15/25LS Low Salt models, we recommend 1.5kg per 1000 litre of pool water.

The unit can operate on mineral/magnesium chloride salts; however, you may require an additional 20-30% product in order to obtain the desired TDS reading via the onboard salt test (see 6.6 SALT TEST).

Salt should always be added to the shallow end of the pool and allowed to dissolve. **Do not** let the salt settle on the floor of the pool as it may cause damage to the surface. Use your pool brush to mix the salt into the water.

Running the pump will mix the water and help the salt to dissolve.

Operate only the pump in the first 8 – 12 hours to allow the salt to dissolve thoroughly. This can be achieved by setting the cell output to 0%, by running the filter pump directly from a GPO, or by setting Pump Run Only mode (where equipped) - See 7.11 SERVICE MENU.

Check your salt levels regularly. The chlorinator does not consume salt, however the salt level in your pool will reduce over time due to evaporation, dilution, and discharge to waste (e.g., when backwashing your filter).

If your chlorinator is plugged into an automation system and you want to set it to MANUAL ON (i.e. always ON when the chlorinator receives power), you can set the T1 & T2 timers to ON at 00:00 and OFF at 23:59. Alternatively, you can activate External Controller mode (where equipped) - See 7.11 SERVICE MENU.

4. POWER PACK AND CELL INSTALLATION

4.1 Power Pack Installation

The Oasis CX Premium Salt & Mineral Chlorinator has an Ingress Protection rating of IP23 enabling it to be installed outdoors. Regulations require that the power pack shall be installed outside the pool zone. The power pack shall be installed according to AS/NZS 3000 wiring rules.

The power pack should be installed in a well-ventilated position ideally away from sunlight and rain to prolong life and at least 1m above ground to prevent run of water entry. **It must be installed vertically using the supplied mounting bracket.**

Ensure that the power pack is not stored near chemicals, fertilisers or in a closed unventilated shed with similar products as the fumes will cause excessive corrosion and damage to the internals of the power pack and may void warranty.

When mounting the power pack on a post, install a flat panel at least the same size to act as a waterproof backing plate.

The power pack should be mounted no further than 1.5 metres from the chlorinator cell for ease of operation.

Failure to correctly mount the power pack in the vertical position will result in water ingress, voiding the manufacturer's warranty.

4.2 Cell Electrode Installation

Install the bare cell housing horizontally in the return line to the pool using high pressure PVC glue. Try to avoid using excessive glue which may discharge from the open end, causing damage to the cell seat and thread.

Direction of water flow through the cell housing is not critical, however we recommend entry from the closed end of the cell housing and exit from the end closest to the cell locking ring. This will result in less lateral water hammer over time and assist in extending the life of the cell plates.

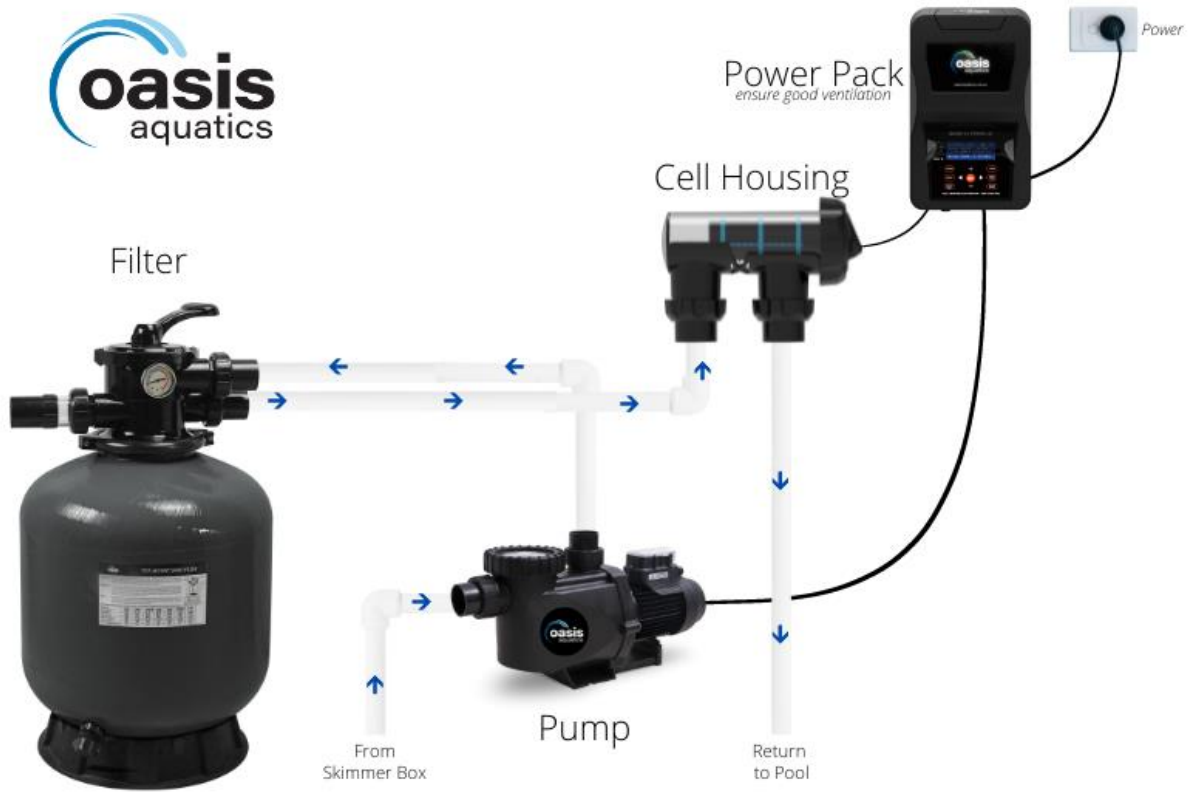
Check that the O-ring is clean and lubricated with silicone grease (**do not** use petroleum-based jelly) and securely located in the cell housing.

Ensure cell locking ring is tightened by hand only (**do not** use a tool to tighten).

Connect the lead from the cell electrode to the cell plug under the power pack ensuring a firm snap lock connection.

Plug the power pack 3-pin plug into a suitable weatherproof RCD protected 10amp outlet and then plug the pump into the 3-pin ac socket located at the bottom of the power pack.

4.3 Installation Diagram



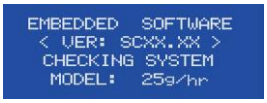
Important Installation Notes

- The pump rating must not exceed 8amps.
- Water entry due to an upward spray (e.g. discharge from a cartridge filter bleed valve) or incorrect mounting will damage electrical components in the power pack.
- We **do not** recommend the use of valves on the inlet or outlet of the cell housing. If you do use a valve, then it is important to ensure that the valve cannot deadhead (lock closed) while the pump is running. It is the installers responsibility to ensure some form of flow control is installed in this instance, and it disables the pump.
- **Always** ensure that pipe work and equipment **do not** allow gases generated from the cell to collect and build up in any part of the installation.
- It is **recommended** that the cell housing be installed horizontally to create a natural gas trap that acts as a safety device. Installation in any other way may cause explosion, injury or death if the installer does not allow for gas removal. A venturi pipe is installed/moulded within the Cell Housing design to eliminate any possible gas build up, although it is always recommended to ensure proper installation to eliminate this from happening.
- The cell housing must be installed in the **return** pipework to the pool. It must always be installed after the filter, gas heater, solar heating or heat pump.
- **Do not** apply priming fluid to the cell housing, it is not needed and may react with the plastic.

5. INITIAL START UP OF YOUR UNIT

5.1 Initial Start Up

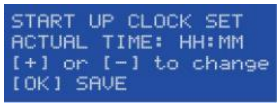
On initial start-up of your Oasis CX Premium Salt & Mineral Chlorinator the screen to the right will be displayed.



5.2 Start Up Clock Set

START UP CLOCK SET allows you to program the exact time of the day.

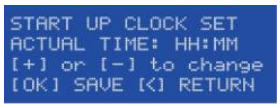
HH digits will flash and pressing [+] will increase the time and pressing [-] will decrease the time.



Pressing [OK] saves the selected hour HH and MM.

Pressing [<] skips this menu however you will need to set this later.

MM digits will flash and pressing [+] will increase the time and pressing [-] will decrease the time.



Pressing [OK] saves the selected hour HH and MM.

Pressing [<] returns you to the previous menu screen.

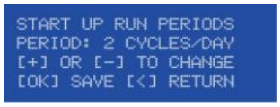
5.3 Start Up Run Period

START UP RUN PERIOD allows you to program your daily run times.

CYCLES/DAY will flash and pressing [+] or [-] will change the selection.

PERIODS of running.

2 CYCLES/DAY - unit runs from 6am-10am and 4pm-8pm



1 CYCLE AM - unit runs from 8am - 4pm

1 CYCLE PM - unit runs from 8pm-4am

Pressing [OK] saves the selected period

Pressing [<] returns you to the previous menu screen.

5.4 Start Up Information

START UP INFORMATION allows you to customise the unit to your pool size.

Pressing [+] or [-] will change it in 1,000lt increments.

Holding the [+] or [-] in will change it in 5,000lt increments.

A reading of 40,000lt or similar flashes to show it can be changed.

Pressing [OK] confirms your selection. If you **DO NOT** know your pool size, you can press [OK] to continue and set this later or contact your local pool professional for further assistance. Pressing [<] returns you to the previous menu screen.

5.5 Mineral or Salt Mix

MINERAL OR SALT MIX allows you to enter the type of mineral used in the pool.

Pressing [+] or [-] will change it from SALT to MINERAL MIX.

Pressing [OK] confirms your selection.

Pressing [<] returns you to the previous menu screen.

5.6 Default Display Screen

DEFAULT DISPLAY SCREEN (DDS) displays the screen to the right. This is the actual output % of the unit.

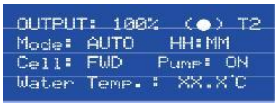
Pressing [+] or [-] will increase the setting and the screen will change as seen on the right.

This should always remain at the user-selected setting, unless SPA MODE has been selected, or the cell cannot achieve the desired output due to low salt or low water temperature.

The (●) symbol appears when the unit is active during its timer cycle.

T2 is the default timer displaying “Dual Timer Cycle” and T1 displays “Single Timer Cycle” when single timer is selected.

The Mode shows AUTO and this can be changed by pressing Power/Mode (either AUTO, ON or OFF)



The time shows with HH:MM in 24hr clock format.

The cell status shows as FWD when the cell is in the forward direction and REV when in the reverse direction.

The pump AC socket status is displayed, either ON or OFF.

The Water Temperature is displayed.

Any power failures return you to the DDS screen and the last saved MODE is active.

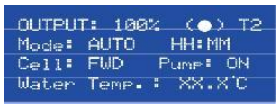
Please note: To extend the life of the LCD display, the display will become dim after 2 minutes of inactivity. Any time you press the keypad, the LCD will become bright again, and automatically dim once activity has stopped after 2 minutes.

6. CONTROL PANEL OPERATION

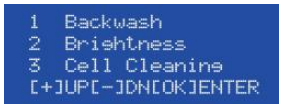
6.1 OK Button

Menus are entered by either pressing the menus shortcut button on the control panel or by entering MAIN MENU, which is done by pressing the [OK] button.

Any inactivity in any display for longer than 60 seconds results in the display returning to the DDS screen.



MAIN MENU allows you to enter all MENU's including those available with shortcut buttons on the control panel.

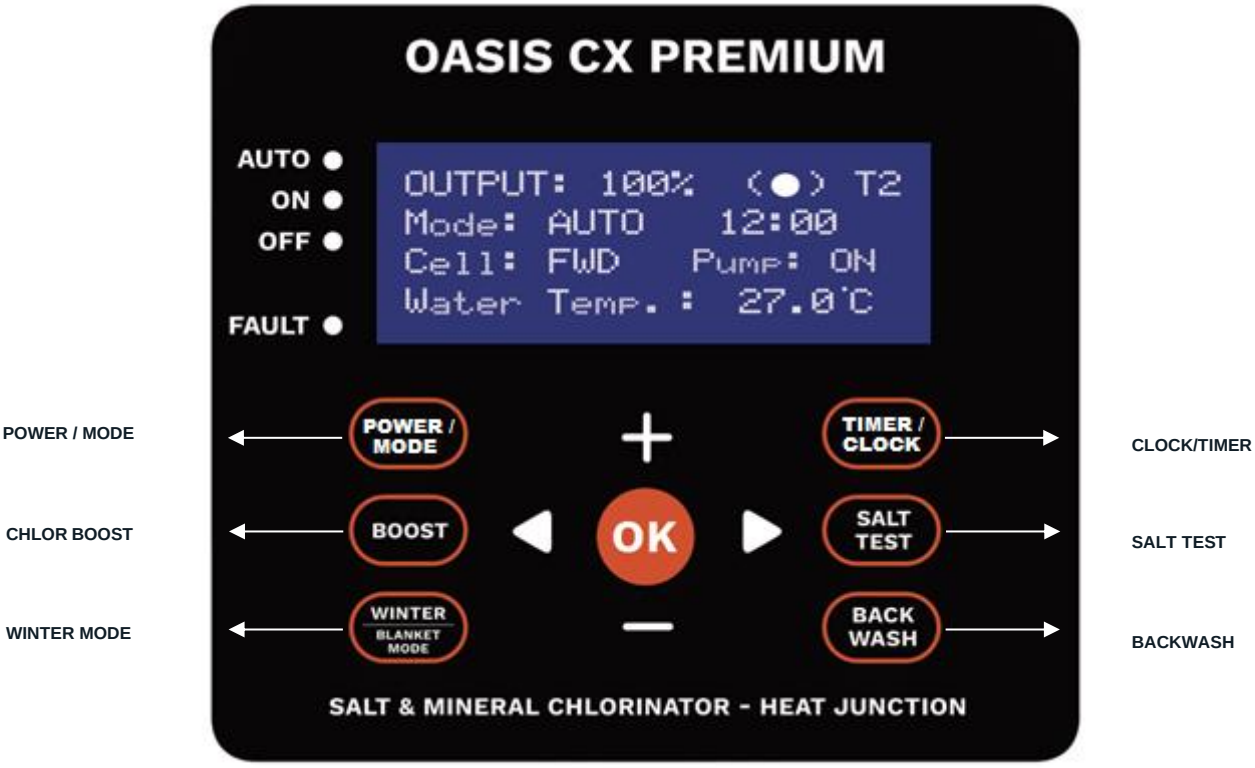


Pressing [+] or [-] scrolls up or down and [OK] enters the flashing menu.

Pressing [<] returns you to the previous menu screen.

Below are the available menus in the Oasis CX Premium Salt & Mineral Chlorinator **See 7.0 for the workings of any menu's not explained here.**

1	Backwash	8	Power/Mode
2	Brightness	9	Pump Setting
3	Cell Cleaning	10	Salt Test
4	Chlor Boost	11	Service Menu
5	Chlor Setting	12	Spa Mode
6	Clock/Timer	13	Winter / Blanket Mode
7	Contrast	14	pH Control Mode



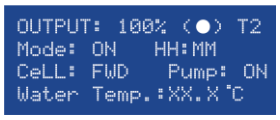
6.2 Power / Mode

Pressing the [POWER] button changes the operating modes of your Oasis CX Premium Salt & Mineral Chlorinator.

When pressed the Mode will change between AUTO, OFF and ON.
The default setting is in AUTO, which provides automatic operation during the programmed timer periods.

Setting the mode to OFF will disable the pump and cell.
This manual override will remain in place until another mode is selected.

Setting the mode to ON will temporarily enable the pump and cell.
This manual override will remain in place until the next programmed timer cycle, or when another mode is selected (whichever occurs first).



Tip: If your chlorinator is plugged into an automation system and you want set it to MANUAL ON (i.e. always ON when the chlorinator receives power), you can set the T1 & T2 timers to ON at 00:00 and OFF at 23:59. Alternatively, you can activate External Controller mode (where equipped) - See 7.11 SERVICE MENU (EXTERNAL CONTROLLER).

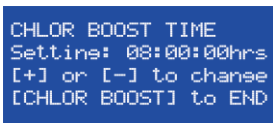
6.3 Chlor Boost

BEFORE ENTERING CHLOR BOOST YOU MUST BE IN THE DDS SCREEN.

Pressing the [BOOST] button sets your Oasis CX Premium Salt & Mineral Chlorinator pump to operate for 8hrs and automatically changes the chlorine setting to 100%. This allows for an injection of extra sanitising time, also known as ‘Chlorine Boost’ or ‘Super-Chlorinate’.

When in operation the LED will be on. After the set time it reverts back to last selected POWER/MODE unless ON then it reverts to AUTO.

The unit automatically defaults to 08:00 hours of ON time and the timer starts counting down immediately.



The first two digits 08 will flash while adjusting them as shown to the right.
Pressing [+] or [-] increases or decreases in increments of 01:00 hrs whilst running.

When completed the unit will return to the DDS screen in the last selected POWER/MODE state and the CHLOR BOOST LED goes OFF.

Pressing [BOOST] again allows you to exit the CHLOR BOOST screen and return to the DDS screen.

Chlorine Boost can also be entered by pressing the [OK] button in MAIN MENU and scrolling to CHLOR BOOST.

6.4 Winter / Blanket Mode

ACTIVATE THOUGH WINTER MONTHS OR WHEN BLANKET IS IN USE

BEFORE ENTERING WINTER / BLANKET MODE YOU MUST BE IN THE DDS SCREEN.

Pressing the [WINTER / BLANKET MODE] button allows you to quickly reduce your Oasis CX Premium Salt & Mineral Chlorinator set point (Chlor Setting) during the winter months, or when using a blanket.

The default set point is 50%, which can be adjusted in increments of 10% from 0% to 90% by pressing the [+] or [-] buttons.

Once your desired set point is selected, pressing [OK] will return to the DDS screen and the output will display at the lowered set point.

Pressing [WINTER / BLANKET MODE] again will cancel this mode and return the output to the previous setting.

[WINTER / BLANKET MODE] can also be entered by pressing the [OK] button in MAIN MENU and scrolling to WINTER / BLANKET MODE.

6.5 Clock / Timer

BEFORE ENTERING CLOCK/TIMER MODE YOU MUST BE IN THE DDS SCREEN.

Your Oasis CX Premium Salt & Mineral Chlorinator unit comes with a built-in digital timer. All clock and timer displays are all shown in 24-hour format.

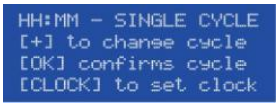
Pressing the [CLOCK/TIMER] button allows you to set the CLOCK and run TIMER times of the chlorinator.

It is important to understand the difference between CLOCK and TIMER. CLOCK means the physical time of the day (e.g. 08:00) and TIMER means the settings programmed to turn the unit ON and OFF

Tip: If your chlorinator is plugged into an automation system and you want set it to MANUAL ON (i.e. always ON when the chlorinator receives power), you can set the T1 & T2 timers to ON at 00:00 and OFF at 23:59. Alternatively, you can activate External Controller mode (where equipped) - See 7.11 SERVICE MENU (EXTERNAL CONTROLLER).

6.51 Setting the Clock

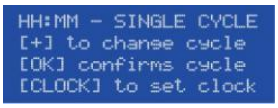
To set the clock, press the [CLOCK/TIMER] button to access the timer screen. Press [CLOCK/TIMER] again to adjust the clock.



Set the hour (HH) using the [+] and [-] buttons. Press [OK] to proceed to minutes [MM] and repeat the same adjustment steps.
Pressing [OK] accepts the selected hour HH.
Pressing [<] exits you to the DDS screen.

6.52 Setting the Run Timers

To set the run timers, press the [CLOCK/TIMER] button to access the timer screen.



Pressing [+] allows you to change between a Single (T1) or Dual Cycle (T2).

Pressing [OK] accepts the selected cycle and enters the Timer Program.

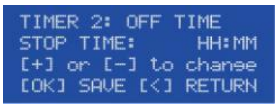
Follow the prompts to set the ON and OFF times, using the [+] and [-] buttons to set the hour (HH) and minutes (MM).

Pressing [OK] accepts the selection.

Pressing [<] cancels and exits you to the DDS screen.

TIMER PROGRAMMING ORDER:

TIMER 1: ON TIME (HH)



TIMER 1: ON TIME (MM)

TIMER 1: OFF TIME (HH)

TIMER 1: OFF TIME (MM)

TIMER 2: ON TIME (HH)

TIMER 1: ON TIME (MM)

TIMER 1: OFF TIME (HH)

TIMER 1: OFF TIME (MM)

SAVE & EXIT

6.53 Recommended Timer Settings

Summer Settings

Ideally, run for 4 hours in the morning (6am-10am) and 4 hours in the evening (4pm-8pm). For a smaller pool you can run less hours. In extreme weather it may be necessary to run longer hours. Contact your local pool Professional for further assistance.

Winter Settings

In winter you should lower your running time by 50% of your summer setting depending on your free chlorine levels. Ideally, you should run 2-3 hours in the morning and 2-3 hours in the evening. This preserves and extends the life of your equipment.

See 6.4 WINTER / BLANKET MODE for more detail.

6.6 Salt Test

BEFORE ENTERING SALT TEST, YOU MUST BE IN THE DDS SCREEN.

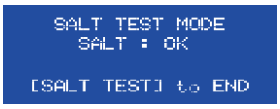
Your Oasis CX Premium Salt & Mineral Chlorinator unit comes with an onboard salt test function, which allows you to check whether your swimming pool salt level is low, high or within the ideal range.

The ideal salt range is 3000-4000ppm for standard models, and 1200-1800ppm for LS (Low Salt) models.

Tip: Before performing a salt test, ensure the cell is clear of any calcium deposits, as this will insulate the electrodes and impact your readings.

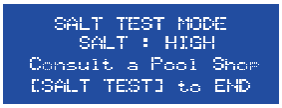
See 9.1 Inspecting and Cleaning the Cell Electrode if manual cleaning is required.

By pressing [SALT TEST] a salt measurement is taken and a range is displayed (SALT: OK / LOW / HIGH). The reading may take 30 seconds to stabilise.

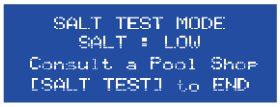


When performing a salt test, your Oasis CX Premium Salt & Mineral Chlorinator display will also cycle to an approximate TDS reading, which provides a salt reading in parts per million.

If "HIGH" is displayed, the salt level is too high and a water sample should be taken to your local pool Professional for a more accurate result and further assistance.



Similarly, if the display indicates "LOW", a water sample should be taken to your local pool Professional.



Low salt levels (below 1000ppm) and high salt levels (above 8000ppm) are difficult to measure and results may become inaccurate. It may be that your cell needs replacing, contact your local pool Professional for a more accurate result and further assistance.

The SALT TEST measurement is meant to be a guide only as many factors can impact the result. We recommend taking a pool water sample to your local pool Professional before adding salt/minerals or replacing your cell.

NEVER add more salt if not required. NEVER add salt directly in the skimmer box.

SALT TEST can also be entered by pressing the [OK] button in MAIN MENU and scrolling to SALT TEST.

6.7 Backwash

BEFORE ENTERING BACKWASH MODE, YOU MUST BE IN THE DDS SCREEN.

If you have a sand or media filter, the backwash feature overrides your filter pump and provides a convenient step-by-step process to conduct backwashing of your filter. The steps below are generic, and you should always refer to the equipment manufacturer's instructions for precise information.

IMPORTANT INFORMATION BEFORE PERFORMING A BACKWASH

Never operate the filter lever while the pump is running. You may damage the seal and leaks may occur. Ensure that all valves, lids, baskets, etc. Are in their correct positions

If you have a variable speed filter pump, we recommend manually backwashing the filter using the onboard start and stop buttons on the pump itself. In backwash mode, the chlorinator activates the pump power socket at short intervals, which may result in some pumps displaying error codes due to repeat power interruptions.

Pressing the [BACKWASH] button sets your Oasis CX Premium Salt & Mineral Chlorinator in backwash mode. During backwash, the unit displays the ON LED when the pump is running and the OFF LED when the pump has stopped.

Set the multiport valve to the backwash position and ensure that the handle locks in place. Press [OK] to commence the backwash. The pump will start and a 2-minute countdown will commence.

If you wish to increase the backwash time, use the [+] button. To stop the pump, press the [-] button. If you wish to restart the pump once stopped, press [+] button. Once the dirty water in the filter waste pipe or sight glass is running clear, press [OK] to continue.

RINSE MODE will now be displayed. Set the multiport valve to the rinse position and ensure that the handle locks in place. Press [OK] to commence the rinse. The pump will start and a 1-minute countdown will commence.

Once the dirty water in the filter waste pipe or sight glass is running clear, press [OK] to continue.

BACKWASH COMPLETE will now be displayed. Set the multiport valve to the filter position and ensure that the handle locks in place. Press [OK] to complete the backwash.

Recheck all valves and press [BACKWASH] to return to the DDS.

[FILTER CLEAN] can also be entered by pressing the [OK] button in the MAIN MENU and scrolling to BACKWASH MODE.

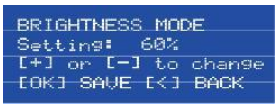
7. UNIT MENU GUIDE

7.1 Backwash

See 6.7 BACKWASH (CONTROL PANEL OPERATION)

7.2 Brightness

BRIGHTNESS is entered by pressing the [OK] button in the MAIN MENU and scrolling to BRIGHTNESS (Menu 2).



The factory setting is 60%.

Pressing [+] or [-] allows you to adjust the BRIGHTNESS. Pressing [OK] saves the selection.

7.3 Cell Cleaning

CELL CLEANING is entered by pressing the [OK] button in the MAIN MENU and scrolling to CELL CLEANING.

Smart self-cleaning technology allows the polarity of the OXI Cell plates to change direction every 4-16hrs (depending on your setting). The change of polarity causes the calcium to dislodge and keep the OXI plates clean. Please note occasional cleaning of the plates may be necessary.

The factory setting is every 10 hours and this can be adjusted from as low as 4 hours (for high calcium areas) and as high as 16 hours.

In areas where the calcium hardness of the water is low (less than 200ppm) cleaning of the cell may not be necessary. Where calcium levels exceed 200ppm, regular inspection of the cell is necessary to maintain correct operation and maximise the life of the cell. Clean the cell as required using a purpose-designed acid solution (available from all reputable pool shops).

Tip: Reducing the cell reversing time will reduce the expected lifetime of the cell, due to a plate surface reaction which occurs each time the electrical current changes direction. We recommend only reducing the reversing time in high calcium areas where the requirement for manual cleaning becomes too frequent to manage effectively.

7.4 Chlor Boost

See 6.3 CHLOR BOOST (CONTROL PANEL OPERATION)

7.5 Chlor Setting

CHLOR SETTING allows you to adjust the chlorine output level for your Oasis CX Premium Salt & Mineral Chlorinator.

This feature is particularly handy when you want to run the filter pump for longer hours (perhaps with a variable speed pump running on low speed) without over-chlorinating the pool.

The factory default setting is 100%.

Pressing [+] or [-] anytime whilst in the DDS screen increases or decreases the output in 1% increments.

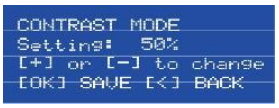
CHLOR SETTING is entered by pressing the [OK] button in the MAIN MENU and scrolling to CHLOR SETTING (Menu 5).

7.6 Clock/Timer

See 6.5 CLOCK/TIMER (CONTROL PANEL OPERATION)

7.7 Contrast

CONTRAST is entered by pressing the [OK] button in the MAIN MENU and scrolling to CONTRAST (Menu 7).



The default factory setting is 50%.

The contrast can be set to any value from 20% to 100%.

Pressing [+] or [-] allows you to make the CONTRAST adjustment and pressing [OK] saves the required CONTRAST and returns to the DDS screen.

7.8 Power/Mode

See 6.2 POWER/MODE (CONTROL PANEL OPERATION)

7.9 Pump Setting

PUMP SETTING is designed to protect your pump if there is no flow of water due to a blockage or loss of prime. If the cell detects no water flow, the pump will be switched off.

The default setting is 3 minutes and pressing [+] or [-] allows you to adjust the time up to a maximum of 10 minutes. The feature can also be disabled by reducing the time until ‘OFF’ is displayed.

If water flow is not detected after the programmed time setting, the pump will switch off for approximately 15 minutes. Two further run attempts will be made. If water flow is detected, normal operation will resume. If water flow is not detected after these attempts, the filter pump will be inhibited permanently until the power is cycled.

Disabling or extending the pump protection setting may result in equipment damage occurring in the event the pump loses prime.

7.10 Salt Test

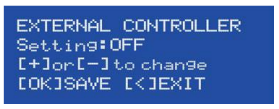
See 6.6 SALT TEST (CONTROL PANEL OPERATION)

7.11 Service Menu

There are several operations that can be undertaken in the service menu, including setting the unit up to operate via an external controller (Automation system) and temporary operation of the filter pump to circulate water in the pool without chlorine production (for example: to dissolve salt in a new pool).

These functions can be accessed by pressing the [OK] button in the MAIN MENU and scrolling to SERVICE MENU (Menu 11).

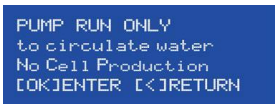
To access the EXTERNAL CONTROLLER setting, scroll through the service menu using the [+] or [-] buttons until you reach menu S10 EXTERNAL CONTROLLER and press [OK].



The default setting is OFF, pressing [+] or [-] allows you to adjust the setting from OFF to ON. Pressing [OK] saves the required setting.

The DDS will indicate ‘EX’ when the external controller function is ON, and all onboard timers are overridden. The unit will operate as a slave and default to ON whenever it is connected to power.

To access the PUMP RUN ONLY setting, scroll through the service menu using the [+] or [-] buttons until you reach menu S11 PUMP RUN ON/OFF. Pressing [OK] will allow you to enter this menu selection and set the number of minutes you wish the pump to run for. Use the [+] or [-] buttons to change the time and [OK] to SAVE.



Please note: If the Oasis CX Premium Salt & Mineral Chlorinator is running due to an ON/AUTO time, the cell will be turned OFF until the running time is finished, at which time the unit returns to its normal operating settings.

The other functions within the service menu are typically reserved for pool professionals and troubleshooting activities. Please contact your distributor or Oasis Aquatics for assistance.

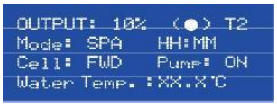
7.12 Spa Mode

SPA MODE can be activated to lower your Oasis CX Premium Salt & Mineral Chlorinator output when sanitising a spa. This feature is useful for pool and spa combinations, where the spa may be temporarily isolated for heating and bathing. Your regular chlorine output may be excessive during these times and SPA MODE provides a convenient way of reducing the output without changing your regular setting.

SPA MODE is entered by pressing the [OK] button in the MAIN MENU and scrolling to SPA MODE (Menu 12).

Pressing [+] or [-] allows you to adjust the SPA MODE settings from OFF to ON and ON to OFF.

Selecting ON changes your output setting to 10%. ‘SPA’ will be displayed on the DDS. When running in SPA MODE the output can be manually increased to a maximum of 20%.



Selecting OFF restores your output back to the regular pool setting.

Tip: Activating SPA MODE will not affect your Oasis CX Premium Salt & Mineral Chlorinator run timers. To sanitise a spa outside of your regular timer period(s), activate SPA MODE and press the [POWER] button and change the unit operating mode to ON. When you have finished using the spa, ensure that you change the operating mode back to AUTO, set SPA MODE to OFF and ensure that any isolation valves are returned to their previous setting.

7.13 Winter / Blanket Mode

See 6.4 WINTER / BLANKET MODE (CONTROL PANEL OPERATION)

7.14 pH Control Mode

This feature is for units equipped with the optional Oasis CX Logix acid dosing system which links to the chlorinator. The default setting on your Oasis CX Premium Salt & Mineral Chlorinator is for the acid dosing system to be OFF.

pH CONTROL MODE is entered by pressing the [OK] button on the main menu and scrolling to pH CONTROL MODE (menu 14). Pressing [+] or [-] allows you to adjust the pH MODE settings from OFF to ON and ON to OFF.

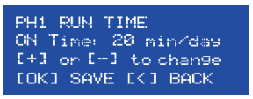
Press [OK] to SAVE the selection.

The Run Time is programmed automatically when setting up the volume of the swimming pool in the chlorinator. The system calculates daily acid dosing requirements based on the volume of your pool, which can then be fine-tuned by adjusting the Run Time.

To adjust the pH Run Time enter the Main Menu by pressing the [OK] button and scrolling to pH Control Mode (Menu 14), then select pH1 Run Time.

The LCD will now show 'On Time: ---- min/day'.

Press [+] or [-] to adjust the ON Time in min/day.



Pressing [<] returns to the previous pH CONTROL MODE menu.

Pressing [OK] saves the required run time and returns to you to the main menu.

Saving this Run Time will result in the time being saved as the new daily default running time of the unit.

Some states use undiluted acid to feed the pH controller (there is no container with a 1:3 acid-to-water water mix). In this case the operator needs to manually change the run time in menu 'ph1 run time' from the displayed result to an approximate one quarter of this reading. For example: if 15min/day is displayed and undiluted acid is to be used, change the setting to 4min/day by following the instructions above.

The DEMAND or PRIME function is useful for priming tubes after an acid drum change or adding a specific quantity of acid after a water sample is tested by your pool professional.

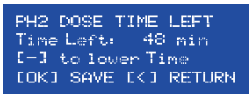
To select the 'pH DEMAND or Prime' function, enter the main menu by pressing the [OK] button and scrolling to 'pH Control Mode' (Menu 14), then select 'pH2 Demand or Prime'.

Press [+] or [-] to adjust the quantity of acid required in millilitres (mL). The default DEMAND or PRIME quantity is always 100mL, which can be manually adjusted from 0 - 5000 mL.

Enter the exact amount from your test result in ml (for example: 500ml) and the system will automatically add four times that amount, thereby allowing for the 1:3 acid/water mix ratio in the acid drum.
If you are using undiluted acid, select approximately one-quarter of the acid demand amount in your test result.

Pressing [OK] saves the required quantity. The peristaltic pump starts turning and a time-based min reading starts counting down.

You can lower the time by pressing [-] menu if you wish, however the acid quantity will also be reduced.



Pressing [<] cancels and returns to the previous pH CONTROL MODE menu.

Pressing [OK] saves the required run time and returns to you to the main menu. If the lines are primed, you can stop the peristaltic pump by pressing [-], while in the ‘pH2 DOSE TIME LEFT’ menu, to lower the ‘Time Left:’ to 0 min.

To disable acid dosing, set pH CONTROL MODE to OFF. Press the [OK] button on the main menu and scroll to pH CONTROL MODE (menu 14) and press [OK]. Use the [+] or [-] button to change the selection to OFF and press [OK] to save.

8. WATER CHEMISTRY

The Oasis CX Premium Salt & Mineral Chlorinator unit is designed for use with swimming pool water balanced in accordance with the Langelier Saturation Index with a pH range of 6.8-7.8.

For best performance and operation of your Oasis CX Premium Salt & Mineral Chlorinator unit, certain water balances must be maintained within your swimming pool. Have your water tested regularly. Transport the test water in an opaque container and have the test done as soon as possible as possible for best results.

THE MOST IMPORTANT NOTICE AND WARNING

Only add chemicals using the methods and quantities as indicated on the packaging provided, or as advised by your local pool professional. If in doubt of any test results you achieve, do not hesitate to consult with your local pool professional for their immediate advice.

8.1 Chlorine

Measurement Interval: Once a week

Ideal Chlorine (Free Chlorine) Levels: 2-3ppm (2-3mg/L) and no more than 4ppm (4mg/L). Adjust the chlorine output by pressing [+] in DDS to increase the required output set point in 1% increments up to 100%. Pressing [-] will decrease the output in 1% increments to 0%. Running the unit for longer or shorter hours can achieve the same result.

8.2 Salt

Measurement Interval: Every 4-6 weeks

Ideal Salt Levels:

- For regular CX Models: 3000-4000ppm (3500pm ideal) and no more than 4500ppm.
- For CX-LS (Low Salt) Models: 1200-1800ppm (1500ppm ideal) and no more than 2000ppm.

Although salt is not consumed by the chlorinator, it is lost during backwashing, pool overflow, splashing and on bathers that use it. The correct salt level allows for the most efficient production levels and electricity consumption. We recommend the use of ultrafine or premium pool salt.

The salt level **SHOULD NOT** go below 3000ppm or 1200ppm for the LS models. Operating the unit with too little salt in the pool will damage the cell coating on your cell and void the product warranty.

The salt level **SHOULD NOT** go above 4500ppm or 2500ppm for the LS models. Operating the unit with too much salt in the pool will overload the power pack and cause excessive heat due to high current flow. An 'INTERNAL TEMPERATURE HIGH' warning will be displayed if the temperature increases, followed by a complete shutdown of the unit in extreme cases where this heat cannot be dissipated.

Tip: In colder water your Oasis CX Premium Salt & Mineral Chlorinator will provide reduced output, but this does not mean you need more salt as there will always be less chlorine demand in colder water. Your output may drop by 2-3% for every 1°C below 28°C.

We recommend 3.5kg of salt per 1000 litres of pool water and a 50,000lt new pool will need approximately 175kg of salt. For the LS (Low Salt) models, we recommend 1.5kg per 1000 litre of pool water.

The unit is compatible with mineral/magnesium chloride salts. For some minerals, you may require up to 30% additional product to achieve the desired onboard TDS reading (See 6.6 SALT TEST), which is based on the conductivity of the water. Contact your local pool professional for further assistance.

Salt should always be added to the shallow end of the pool and allowed to dissolve. **DO NOT** let the salt settle on the floor of the pool as this may cause damage to the surface. Use your pool brush to mix the salt into the water. Running the pump will mix the water and help the salt to dissolve.

Never add salt/minerals directly to the skimmer box. This high concentration of salt may cause damage as it passes through your filter, pump and other pool equipment.

8.3 pH

Measurement Interval: Once a week
Ideal pH Levels:
Concrete Pools: 7.4 - 7.6 Fibreglass/Vinyl Pools: 7.0 - 7.2

A pH of 8.0 makes oxidisation only about 26% effective which is why it is critical to keep your pH in range.

A correct pH level must be maintained to prevent problems such as black spot, staining, cloudy water, etc.

An incorrect pH level can damage the surface finish and wall of your pool.

When pH is high you can add Hydrochloric Acid to lower the pH.

When pH is low you can add pH Increaser - sodium bicarbonate (soda ash) to increase the pH.

8.4 Total Alkalinity

Measurement Interval: Every 4-6 weeks
Ideal Total Alkalinity Levels:
Concrete Pools: 80 - 150ppm Fibreglass/Vinyl Pools: 80 - 120ppm

Total Alkalinity should not be confused with pH, although the two are closely related. Total Alkalinity determines the speed and ease of pH change and is measured in ppm. You should use a test kit which includes a test for Total Alkalinity. Low Total Alkalinity can cause unstable pH levels. This causes an inability to keep the pH constant and may cause staining, etching and corrosion of metals. High Total Alkalinity will cause constantly high pH levels.

When Total Alkalinity is high you can add Hydrochloric (a little at a time) to lower the Total Alkalinity.

When Total Alkalinity is low you can add pH buffer - sodium bicarbonate to raise the Total Alkalinity.

8.5 Calcium Hardness

Measurement Interval: Every 3 months
Ideal Calcium Hardness Levels
Concrete Pools: 250 - 300ppm Fibreglass/Vinyl Pools: 150 - 190ppm

In addition to pH and Total Alkalinity, Calcium Hardness must be kept in balance so that your pool water does not become too corrosive or end up scaling the surface of your pool. These are symptoms of swimming pool water that is unbalanced.

8.6 Stabiliser

Measurement Interval: Every 4-6 weeks
Ideal Stabiliser Levels: 30 - 70ppm

The importance of pool Stabiliser cannot be over emphasised. It is essential in helping retain chlorine in your pool. Chlorine is rapidly dissipated by sunlight and the use of Stabiliser will reduce this dissipation dramatically. Without Stabiliser, it may be necessary to run the unit for longer hours.

9. CHLORINATOR MAINTENANCE

Maintenance of your Oasis CX Premium Salt & Mineral Chlorinator is simple. The chlorinator is one of the most productive pieces of equipment on your swimming pool and requires some basic maintenance.

While water chemistry will always be the most important factor in maintaining stable operation, there are also other maintenance tasks to be undertaken periodically.

Ensure that the power pack (wall box) is not covered with towels or similar. There are vents that could be closed and these need air to keep the unit cool.

To extend the life of your unit we always recommend installation in an undercover area away from the elements.

Placing the unit in a closed shed or similar environment with chemicals, fertilisers and other corrosives will damage the unit and could void your warranty. The lack of ventilation could also result in high power pack running temperatures, especially where salt levels are also high.

9.1 Inspecting and Cleaning the Cell Electrode

Reverse Polarity cells should not normally require cleaning, however, in areas with very hard water all calcium may not be removed. A calcium deposit might form on the lower areas of the cell, the sensor, or the sides of the cell plates. This will affect the operation of your chlorinator; however, you can clean the cell using a purpose-designed acid solution (available from all reputable pool shops).

All salt chlorinator cells must be inspected regularly and cleaned before scale/calcium builds up to the point where the electrode gaps in the cell are bridged. If the cell has excessive calcium deposits, this may damage the electrode coating as the bridging causes rubbing on the plate coatings and affects the operation. The cell should also be checked to prevent the accumulation of pool debris that for any reason may have by-passed the pool filter, particularly after backwashing.

For removal and cleaning, follow these steps:

To remove the cell, ensure that the pump is disabled by pressing the [POWER] button and changing the mode to OFF. If you have an automation or other control system which operates the filter pump, ensure that the pump is switched to OFF via the applicable controller. If in doubt, identify the filter pump and disconnect its lead from the power source.

If your pool equipment is below water level, isolate any applicable supply and return valves to prevent flooding of the equipment area when the cell is removed.

Unscrew the cell locking ring and remove the cell for inspection. If calcium build-up is present, disconnect the cell cable from the power pack and take the cell away for cleaning.

Tip: Clean the cell as required using a purpose-designed acid solution (available from all reputable pool shops). Ensure to follow all safety, usage and disposal procedures as indicated on the packaging provided, or as advised by your local pool professional. Eye protection, mask and gloves should be worn when cleaning the cell.

Check that the cell housing o-ring is clean and lubricated with silicone grease (**DO NOT** use petroleum-based jelly).

Rinse the cell in clean water and reinstall in the housing, ensuring that the cell locking ring is hand tight and secure.

Return all valves to their normal position and reconnect / reactivate the filter pump.

If the pool equipment is above water level and there is limited or no water flow through the cell housing once the filter pump is switched back on, the pump may require manual priming in accordance with the manufacturer's instructions.

9.2 Inspecting the Power Pack

We recommend inspecting the power pack at least once quarterly.

Check that the plug connections at the base of the unit are tight and are in sound condition.

Ensure that the power lead is correctly plugged into a suitable weatherproof RCD protected 10amp outlet.

Check all cables for damage. If any damage is found, this should be repaired by the manufacturer, their agent or similar qualified person in order to avoid a hazard.

Ensure that there is adequate ventilation available to the power pack as the base of the Oasis CX Premium Salt & Mineral Chlorinator power pack has air vents to provide cooling to its internal components.

A special oil spray applied to the inside of the unit at the time of manufacture to deter insects from entering the unit. To help assist in keeping the insects away, apply a surface spray periodically on the wall that the unit is mounted on. **DO NOT** spray directly into the power pack and make sure the power is off when you spray. Allow adequate time for the spray to dry before turning power on again.

10. SYSTEM TROUBLESHOOTING

If you suspect for any reason your Oasis CX Premium Salt & Mineral Chlorinator is not performing or running as it should be, here are some handy troubleshooting tips that may assist you.

	Fault Indication	Potential Cause	Remedy
10.1	Fault LED blinks on-off	Numerous causes	See the LCD display for the fault warning and refer to that section in this troubleshooting guide.
10.2	'High Salt' warning	Salt too high or short on cell plates	Check salt level (see section 6.6/8.2). Check that cell is clear of any foreign materials (e.g. wire, metal, touching plates, etc).
10.3	'Internal Temperature High' warning	No air flow in the area around the power pack or excessively high salt	Ensure POWER PACK is mounted in a well-ventilated area free of chemicals and fertilisers. Check salt level (see section 6.6/8.2).
10.4	'Low Salt' or 'Clean Cell' or 'Faulty Cell' warning	Low salt level	Check salt level (see section 6.6/8.2).
		Build-up of calcium on the Cell plates	Calcium acts as an insulator and needs to be removed. Remove and clean cell (see section. 9.1).
		Water temperature is low	Winter water temperature can be very low. For every 1°C below 28°C the output can drop by 2-3%.
		Insufficient water flow though the cell	Check water flow and ensure a full chamber of water is passing over the cell. You may need to clean or backwash your filter.
		The cell could be damaged or at the end of its life	Damaged coating will reduce cell life and reduce output. If all conditions are correct, then the cell could be at the end of its life.
		Level low in one direction but OK in the other	The cell may need cleaning (see section. 9.1), or it could be at the end of its life.
10.5	'No Current Flow' or 'No Output' warning	Fault within power pack	Contact your supplier or Oasis Aquatics for service.
10.6	'Water Flow Fault' warning	No water flow	Possible closed valve, pump fault, burst pipe.
		Low water flow	Water does not cover the water sensor.
		Variable speed pump not supplying sufficient water to cell housing	Increase the speed of the pump until the cell housing is filled with water.
10.7	'Water Temp High' warning	No water flow	Possible closed valve, pump fault, burst pipe.
10.8	'Water Temp Low' warning	Water temperature is below 10°C	The power pack will lower output and display this message when water temperature goes below 10°C.
10.9	'Water Temp Sudden Increase' warning	No water flow	Possible closed valve, pump fault, burst pipe.

	Fault Indication	Potential Cause	Remedy
10.10	Not operating at all (no lights)	External automation system has switched the unit off	If your chlorinator is connected to an Oasis Smart or similar automation system, the unit is controlled by switching the power supply on and off. Switch on the filter pump and sanitiser using the automation system and recheck operation.
		Unit not connected to power	Check that the power lead is plugged into a power point.
		Faulty power point	Test power point using another appliance that is working without fault.
		Tripped circuit breaker	Check circuit breaker at bottom of power pack. Press white button to reset if tripped. If the circuit breaker immediately trips again, or there is still no power, an internal fault is likely. Contact your supplier or Oasis Aquatics for service.
10.11	Not operating at all (switches on but turns off)	Excessively high salt level	Check salt level (see section 6.6/8.2) and lower it if needed.
		Short circuit across cell plates	Remove cell and inspect for damage or metal debris caught between the plates. If no damage or debris is found, an internal fault is likely. Contact your supplier or Oasis Aquatics for service.
10.12	Display functions correctly but pump and cell do not turn on.	Incorrect CLOCK or TIMER settings	Press POWER/MODE button until the 'ON' LED is illuminated. If the pump and cell begin to operate, return to AUTO mode and adjust timer settings (see section 6.5).
		Active fault is inhibiting pump or cell operation	Check if the fault LED is blinking and/or the LCD is displaying a fault warning. Refer to the troubleshooting steps for the applicable fault.
		Pump or cell are not plugged into the bottom of the power pack.	Check all cable connections. If no issue is found, contact your supplier or Oasis Aquatics for service.
10.13	Sign of corrosion, melting or burning of the cell connector plug	Possible moisture entry to the plug	If melted, the unit will require servicing. Otherwise, clean the plug with WD40 or similar and ensure power pack is correctly mounted (see section 4.1).
10.14	Output reading is less than 100%	Low salt level	Check salt level (see section 6.6/8.2).
		Build-up of calcium on the cell plates	Calcium acts as an insulator and needs to be removed. Clean cell (see section 9.1)
		Water temperature is low	Winter water temperature can be very low. The chlorinator output can drop by 2-3% for every 1°C below 28°C.

	Fault Indication	Potential Cause	Remedy
10.14	Output reading is less than 100% *[continued]*	Insufficient water flow though the cell housing	Check water flow and ensure that a full chamber of water is passing over the cell. You may need to increase the pump speed or clean the filter.
		The cell could be damaged or at the end of its life	Damaged coating will reduce cell life and reduce output. If all conditions are correct, the cell could be at the end of its life.
		Level low in one direction but OK in the other	Cell may need cleaning (see section 9.1), or the cell may have run its life in one direction.
10.15	Power pack only works in one direction. No output in one direction	Faulty rectifiers, transformer or PVB	Contact your supplier or Oasis Aquatics for service.
10.16	Timer is not functioning properly in auto	Incorrect settings	Check timer settings (see section 6.5).
10.17	Filter pump is always on	Pump not plugged into the base of the chlorinator	Check that pump is plugged into the bottom of the power pack and not directly into a wall outlet. Ensure that the unit is set to AUTO mode.
10.18	Cell requires frequent manual cleaning due to excessive calcium build-up	Excessively high calcium	Carry out a Calcium Hardness test (see section 8.5) and adjust water chemistry accordingly.
		Change of direction time set too high	Change the cell cleaning times (see section 7.3).
		Power pack not reversing correctly.	Manually try changing the cell direction by holding both [<] and [>] buttons in for 3 sec (you must be in the default display screen for this to work). The cell direction should cycle between FWD and REV. Failure of this to work could indicate a faulty PCB and you should contact your supplier or Oasis Aquatics for service.
10.19	Low or No Chlorine Output	Unit not working correctly	Go through maintenance and troubleshooting sections, starting at section 9.1.
		Stabiliser is too low	Check stabiliser level (see section 8.6).
		Unit not set correctly	Basic settings such as output (%) control, clock and timer need to be checked. Review sections 5, 6 and 7 of this manual and check unit setup.
		Salt level is too low	Check salt level (see section 6.6/8.2).
		pH is too high	Check pH guide (see section 8.3)
		Cell at the ends of its life	If full output is not reached, the cell may be at the end of its life
10.20	Clock loses time when mains power removed	Battery life expired	Replace Battery - Contact your supplier or Oasis Aquatics for service.

11. WARRANTY

Australian Consumer Law

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Manufacturer's Warranty

11.1 The Oasis CX Premium Salt & Mineral Chlorinator Power Pack & Electrolytic Cell will be repaired at no charge, for a period of four (4) years or 10,000 cell hours, whichever occurs first from the date of purchase should it be found, after examination, that the failure has been caused by faulty workmanship or materials. This is a back to base warranty and requires you to return the unit for inspection.

11.2 This warranty applies to the original purchaser and is not transferable under any circumstance. The original invoice, receipt or proof of purchased must be retained and produced if requested when making a claim.

11.3 Adverse operating conditions beyond the control of the manufacturer such as improper voltage or water equipment will render this warranty null and void.

11.4 Defective equipment must be returned to the manufacturer or dealer as soon as the purchaser becomes aware of the defect and all transport must be prepaid. Neither the manufacturer nor the dealer shall be responsible for any goods damaged in transit.

11.5 If after examination the equipment is found to be defective it will be repaired or replaced free of charge (other than transport costs which will be borne by the purchaser). However, if upon inspection of the equipment it is found that the terms of this warranty are not satisfied, then the usual charges of the manufacturer for repair or replacement will be made.

11.6 Products sold by the manufacturer are designed for use with swimming pool water balanced in accordance with the Langelier Saturation Index with a pH range of 6.8-7.8. Chlorine level should not exceed 4ppm and the salt level should not exceed 4000ppm, or 2000ppm for Low Salt models.

11.7 The manufacturer will not be held liable for damage caused by, but not limited to, corrosion, scaling or stress.

The Warranty shall be void under the following circumstances:

- Installation is carried out incorrectly by any person other than a person authorised by us to do so.
- The power pack or cell is serviced by any person other than a person authorised by us to do so.
- The correct salt levels are not maintained at all times.
- The power pack is not protected from the elements.
- The power pack is not operated in a position or area with good ventilation.
- Water has been allowed to enter the power pack.
- There is damage to the power pack caused by insect infestation or penetration by dust, sand or other foreign particles.
- The equipment that has been misused, neglected, damaged, repaired without authorisation or altered in any way.
- There is other damage beyond the manufacturer's control.

12. TECHNICAL SUPPORT

For all warranty enquiries please contact your local distributor or contact **Oasis Aquatics** directly and we will either direct you to your nearest authorised repairer or assist you.

- contact Oasis on 1800 815 913 or via our Service Request page on our web site;
- provide a copy of your invoice as proof of purchase;
- provide further information relating to the issue, including any photos or videos;
- have completed the online warranty registration or provide a completed warranty card.

OASIS AQUATICS

Part of the Sunlover Group

Ph: 1800 815 913

Website: oasisaquatics.com.au

Online Request: https://sunloverheating.com.au/online-service-request/

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No representations or warranties are made that the content, advice and/or recommendations in this guide are current, free from errors or omissions, or appropriate for the user's circumstances or abilities.

No liability or responsibility is accepted by **OASIS AQUATICS Pty Ltd** persons or its appointed agents. **OASIS AQUATICS Pty Ltd** reserves the right to refuse warranty for any damage caused to the chlorinator or auxiliary pool equipment that is not a result of a manufacturer's defect.

13. NOTES

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