



To help you maintain your pool, Pool Controls have compiled some important information you should know.

For your Gemini to maintain your pool balance correctly you must maintain some factors yourself:

STABILISER (Cyanurates):	50ppm	reduces chlorine consumption
TOTAL ALKALINITY (TA):	120ppm to 150ppm	protects pool surfaces, vital for pool balance
SALT:	3000ppm to 5000ppm	allows Cell to produce free chlorine, too much is a problem
PHOSPHATE:	zero	Never add salt until the level has been checked a small amount creates big problems for pool balance

BASIC POOL OPERATION

The Gemini uses a multi-electrode (probe) to measure and automatically adjust the chlorine and pH levels of the water in all types of pools. Once levels are finally set or adjusted, the Gemini should be left alone. The Gemini has been factory-set to achieve a chlorine ORP of 650mV (milliVolts) and a pH of 7.6. As all pools are different you may need to adjust the ORP for your particular pool conditions. For information on ORP please refer to the Gemini manual. If the unit is used with these factory-set points as the selected levels, it should obtain approximately 1-3ppm chlorine and 7.6pH, providing the stabiliser level is at 50ppm. If the stabiliser level is 30ppm or less, the chlorine will be around 1ppm or less. Stabiliser reduces chlorine consumption and raises the chlorine residual for the same ORP. Low stabiliser will create difficulty in achieving good water quality, and require more chlorine.

NORMAL POOL OPERATION

Weekly Maintenance

If the pool is heavily used (such as in hot weather) it must be checked more frequently.

As a general guide it is recommended that the check should be made at least twice weekly in the swimming season and once every two weeks in the non-swimming period.

Seek guidance from your local authority or qualified pool maintenance technician if necessary.

- Check and clean pump and Vantage leaf baskets if required.
- Check filter and backwash the sand filter or clean cartridge filter as necessary.
- Make sure there is adequate diluted acid in the tank of the automatic feeder for the next week.
- **IMPORTANT: Always add concentrated acid to the water (not the water to the concentrated acid). Small quantities of water will react violently with concentrated acid, giving off heat and boiling the water that may splash acid.**
- Test the pH & free chlorine levels in the pool water with a good quality test kit. The pH should be around 7.6. Compare test results with your Gemini readings. If the readings differ greatly, try cleaning the probe. (Refer to probe cleaning instructions in Gemini Manual.)
- If the pH is too low, then add sodium bicarbonate (buffer). Again see labels for dosage. If the pH has dropped possibly so has your total alkalinity, but both pH and TA can be raised using buffer. Don't correct your pH more than once a week.

Monthly

- Test the TA which should be in the range 120-150ppm. If it is low, add sodium bicarbonate (buffer). TA should never go below 80ppm.
- Check the stabiliser level and make sure it is around 50ppm

Quarterly and Half Yearly.

- Check or clean probe (refer to Gemini manual for cleaning instructions.)
- Check all tubing, if tubing is stiff or swollen then replace tubing. Take care as chemical will be in tubing.

**These simple steps will give you a clean and sparkling pool at reduced cost –
and allow you plenty of time to enjoy it!**

GEMINI CONTROL

QUICK REFERENCE

OPERATION GUIDE

Before you read on, please note the following:

- On the face of your new Gemini Control Unit you will find five operation buttons. Some of these operation buttons have multiple functions.
- The primary functions for each of the five buttons are labelled directly on top of, or nearby the appropriate buttons (see diagram below).
- The secondary functions assigned to some of the buttons are labelled within the curved white outline to the left or right side of the appropriate button (see diagram below).
- As a guide, when navigating the various menu options of your Gemini Control Unit, the useable buttons are back lit with red LEDs, while the buttons that aren't available for use are dimmed (with the exception of the 'ESC' function, which is always available for use).
- When referring to the guide below to operate your Gemini Control Unit, please remember that you can always press the 'ESC/OFF' button to escape back out of an unfamiliar menu or function (avoiding any accidental changes to the unit's settings).

Display: Second Line

- On the second line of the display you will find the current automatic timer status.
- A display showing 'Auto OFF >ON @ 17:00' for example, means the Chemigem is currently 'OFF' as the previous automatic 'FILTER CYCLE' has already run its course, however the next automatic 'FILTER CYCLE' is due to commence at 5pm.
- Read operation manual for detailed instructions on FILTER CYCLES.

Display: First Line

- On the top/left of the display you will find the current time.
- On the top/right of the display you will find the 'Normal' timer status. A display showing 'Auto' means the Gemini Control's internal timer is active and the unit will run automatically during its preset 'FILTER CYCLES'.
- A display showing 'Manual' means the internal timer has been turned off.

ESC/OFF Button

- Gemini Control/Pool Pump Operation**
- Press the 'ESC/OFF' button once to switch the Gemini Control and pool pump 'OFF' manually. The Gemini Control will default itself back to 'AUTO' at the commencement of the next 'FILTER CYCLE' (displayed on-screen).

Menu Escaping

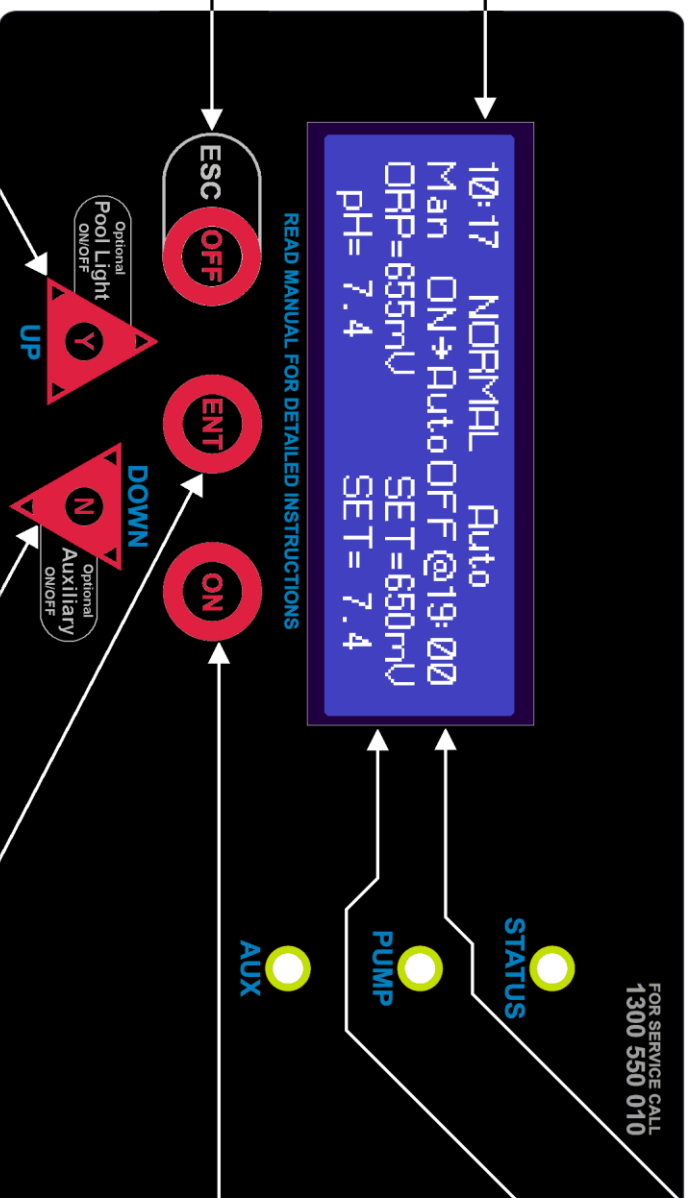
- If you have accidentally accessed any of the Gemini Control menu options by pressing the 'ENT' button, you can easily return to the home screen at any time by pressing the 'ESC/OFF' button.

Y/UP Button

- Menu Navigation**
- If you have accessed the Gemini Control Menu by pressing the 'ENT' button, press the 'Y/UP' button to scroll upwards through the various menu options.
- Some menu options will prompt you with a question requiring a YES/NO answer. In this case, the press the 'Y/UP' button to answer 'YES' to that question.

Pool Light (optional)

- Press the 'Y/UP' button once to turn the pool light 'ON' manually.
- Press it once more to turn the pool light 'OFF' manually.
- For multi-colour pool lights, hold down the 'Y/UP' button to scroll through the various colours, releasing the button when the desired colour is reached. Alternatively, press the 'Y/UP' button repeatedly in quick succession until the desired colour is reached.



N/DOWN Button

- Menu Navigation**
- If you have accessed the Gemini Control Menu by pressing the 'ENT' button, press the 'N/DOWN' button to scroll downwards through the various menu options.
- Some menu options will prompt you with a question requiring a YES/NO answer. In this case, press the 'N/DOWN' button to answer 'NO' to that question.

Auxiliary Menu (optional)

- Pressing the 'N/DOWN' button will grant you access to the auxiliary menu only when an auxiliary device is connected (such as an in floor cleaning system).
- Refer to the 'AUX' section of the Compass Gemini Manual for detailed instructions.

ENT Button

- Gemini Control Menu**
- To adjust the various operational settings, press the 'ENT' button once to access the Gemini Control Menu.

Menu Navigation

- Notice that the 'Y/UP', 'N/DOWN' and 'ENT' buttons are all back-lit; this highlights that they are the useable buttons within the Gemini Control Menu.
- Use the 'Y/UP' and 'N/DOWN' buttons to scroll up or down through the various menu options.
- When your desired menu option is displayed on-screen, press 'ENT' once more to access that option.
- Some menu options (such as the 'TIMER' menu) have further options once accessed. These options are also scrolled through with the 'Y/UP' and 'N/DOWN' buttons and accessed by a further push of the 'ENT' button.
- Once accessed, use the 'Y/UP' and 'N/DOWN' buttons to adjust any operational settings up or down.
- Pressing 'ENT' will confirm any adjustments, whereas pressing 'ESC/OFF' will return you to the home screen.

Display: Third and Fourth Lines

- On the left of the third line of the display you will find the current O.R.P. (current reading of chlorine activity in your pool).
- On the right of the third line of the display you will find the O.R.P. 'SET POINT'.
- On the left of the fourth line of the display you will find the current pH (current reading of pH balance in your pool). On the right of the fourth line of the display you will find the pH 'SET POINT'.

ON Button

- Gemini Control/Pool Pump Operation**
- Press the 'ON' button once to switch the Gemini Control and pool pump 'ON' manually. The Gemini Control will default itself back to 'AUTO' at the completion of the next 'FILTER CYCLE' (displayed on-screen).

Hourly Increments

- Press the 'ON' button repeatedly (or hold the button down) to increase the manual run time in hourly increments. When the desired manual run time is displayed, confirm your choice by pressing the 'ENT' button, commencing operation.