

Crono *Super PID* (2016+) Abbreviated Programming Guide

Caution: Users must familiarise themselves with the full user instructions. These notes provide only a reminder of main functions.



Applies to pumps with serial numbers higher than LL5335.15 Purchased after January 2016.

1: Pump activation and changing the battery

This is conducted only when it is necessary to replace a depleted battery, or occasionally to reset an error message.

The pump will perform a short self test procedure during which a full screen display of all elements should appear.

Pump will re-set and [OFF] is displayed, alongside the current syringe size selection.

Note: All pump settings are retained when the battery is removed.

2: Programming the pump

With the keyboard unlocked, and the pump displaying [OFF] the [P] button will allow you to step through a menu to set the following parameters in turn.

Syringe Size	10/20 ml option
<i>Set infusion delivery time</i>	<i>5 or 15 minute step</i>
End of infusion alarm	On/Off
<i>Syringe Partial Volume</i>	<i>1ml steps</i>

It is also possible to re-programme infusion delivery time while the pump is running(See section 4 for instructions)

Note: It is not possible to change the syringe size setting after an infusion has started or when a partial syringe volume is set. Reset this value to full syringe before attempting to change syringe size.

3: Setting procedure

Press the [P] button to select the setting.

Use the [+] or [-] button to select required value.

Press the [P] button to confirm value and select next parameter.

OR

Press no button for 5 seconds and value will be set.

If you select a partial volume the pump will take a short while to advance the plunger to the set position and the screen will display [OFF]

4: Starting infusion and setting infusion time

Start the infusion by pressing the [+ / ON] button.

At the start of a new infusion the screen will display the letters [Pr] to give an opportunity to prime the infusion line. Press and hold the [P] key to prime the line to the required volume (Max 1.5mL) or the [+] key to initiate the infusion.

To change the infusion time press the [-] or [P] button until the symbols flash, and the letter [t] appears. Press the [+] button to increase, or the [-] button to reduce the time required. After 5 secs this will be locked into the pump

5: Stopping the pump

At the end of a normal infusion the pump will automatically stop and rewind the plunger to the start position.

If you need to stop the pump early then press the [+] and [-] keys together for a short period. The word [Stop] will appear flashing on the screen and an alarm will sound.

To silence the alarm press and hold the [-] button for a short period.

You may restart the infusion by pressing the [+] key, or you may terminate the infusion by pressing the [P] and [-] keys together to reset the pump to its start position.

6: Locking/unlocking the keypad

By default keyboard lock is not activated on this device.

With the pump displaying [OFF] press the [-] key for approximately 7 seconds. A number representing the number of completed infusions will appear on the screen.

While still holding the [-] key depress the [+] key at the same time. The screen will display [L0] and the keyboard is unlocked. Press the [+] key to change this to [L1] to lock the keyboard. A padlock symbol will appear on screen.

Press the [-] key to return setting to [L0] to unlock the keyboard again.