



# Sapphire™

## Home Parenteral Nutrition Patient Guide

This information does not replace the official instruction for use



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## Important Patient Information

Patient name: \_\_\_\_\_

Homecare provider: \_\_\_\_\_

Homecare provider contact details: \_\_\_\_\_

Homecare nurse: \_\_\_\_\_

Registered dietician contact details: \_\_\_\_\_

In an emergency, contact: \_\_\_\_\_

**⚠ Stop the pump and immediately contact your healthcare provider, if you have any of the following side effects:**

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Special instructions:

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## Infusion System Overview

- 1 Medication bag
- 2 Tubing
- 3 Sapphire pump



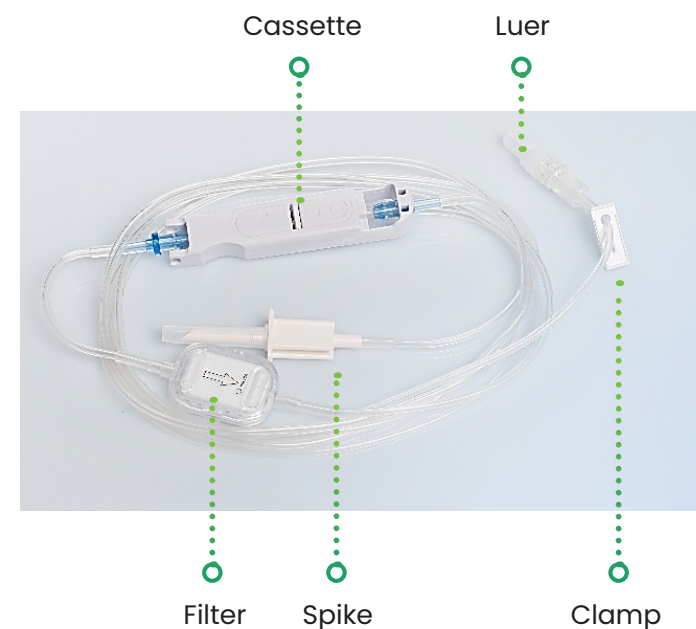
# Get To Know Your Pump

## Sapphire Pump Overview



## Sapphire Pump Tubing Set

There are different types of tubing sets. The tubing set you are using may have some or all of these parts.



# Get Started

Follow your homecare provider's instructions to prepare your TPN infusion, then do the following:



## Turn pump on

Press the **ON/OFF** key below the screen.

The pump performs a system check.



## Open door

Press your thumb against the marked area of the door. Swing the safety door outwards while pressing.

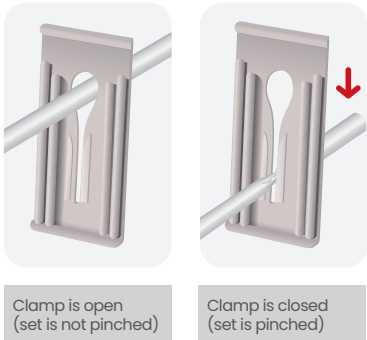


If the pump/display does not turn on as expected, or if the hard keys do not work as expected, do not use the pump and contact your healthcare provider.



# Insert The Cassette

Make sure the pump is turned on before inserting the cassette



1. Close all tubing clamps.



2. Insert the cassette at an angle with the arrow pointing down.



3. Push the top of the cassette into the **Lock**. You should hear a click.



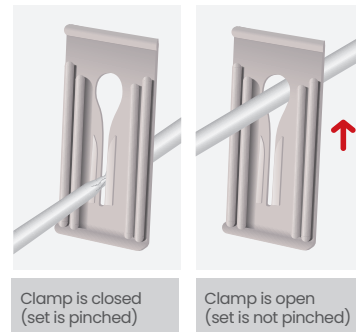
4. Close the door, you should hear a click.



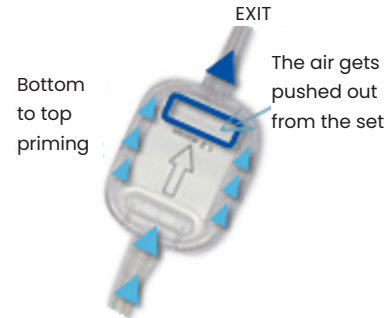
# Prime The Tubing Set

Priming is the process used to fill the tubing with your TPN solution, removing all air from the tubing. Your homecare provider may have already primed the tubing for you. When instructed to prime through the pump, follow the below steps:

1. Verify the tubing set is disconnected from your catheter/ access site.



2. Open all tubing clamps. Make sure there are no other occlusions blocking the tubing set.



3. If your tubing has a filter, turn the filter so the arrow is pointed UP towards the ceiling. (The filter should be below the exit point).

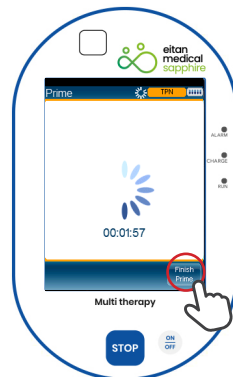


4. On the pump's startup screen, press **"Prime"**.

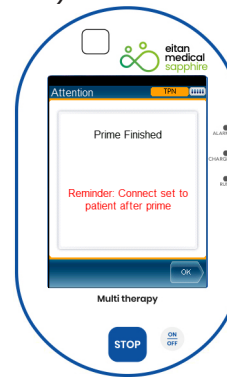
Note: Follow instructions from your nurse on preparing and cleaning your catheter/ access device.



5. Make sure the tubing is not connected to you, and press **"Prime"**.



6. The pump shows a countdown timer for the priming to end. If all air is removed, the priming can be stopped by pressing **"Finish Prime"**.



7. Prime finished - Verify there is no air in the set and liquid reaches the end of the tubing. Otherwise, repeat the priming process.

8. Connect the pump tubing to the cap at the end of your catheter, as instructed by your nurse.



# Start Your Infusion



1. Press **"Repeat Last Infusion"**.



2. Verify program is correct then press **"Ok"**.



3. Press **"Start"** to begin the infusion.



4. The infusion is running. Verify green light is blinking.

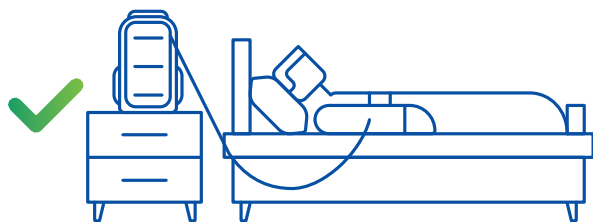
**i** During the infusion make sure the filter is below your catheter/ access site.



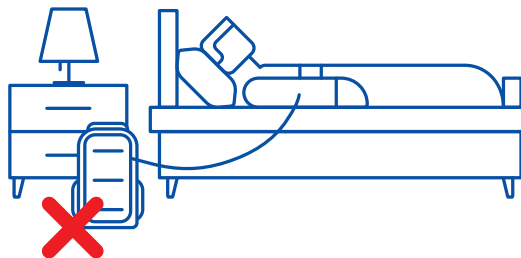


# Pump Position

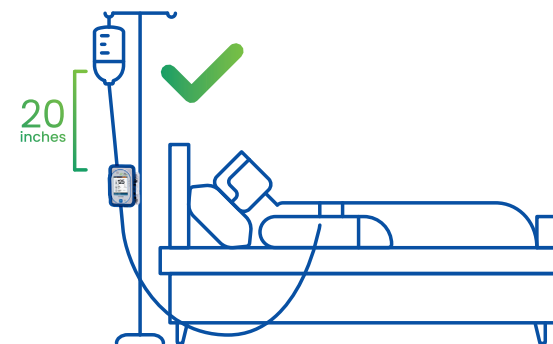
Your home care provider will give you supplies to hold your pump TPN infusion bag. Your pump and TPN bag may be placed in a backpack. Where your pump is positioned can affect flow rate accuracy (for details see chapter 12 in the Sapphire User Manual on Eitan Medical website), For best accuracy:




1. Place your pump next to you or higher, such as on a nightstand, table or IV pole.



2. Do not place your pump on the floor during infusion.



3. If your home care provider supplied an IV pole, hang the TPN bag on the pole, 20 inches above the pump.

 When plugged into wall outlet be mindful of power cord. Disconnect from pump prior to getting up and ambulating.



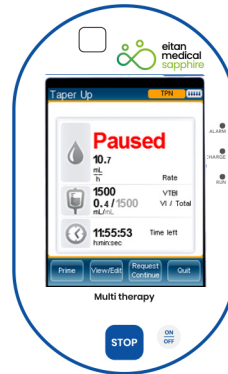
# Stop & Resume Infusion

To stop the infusion immediately, use the **Stop** hard key.  
Contact your healthcare provider for further instructions.

## Stop Infusion

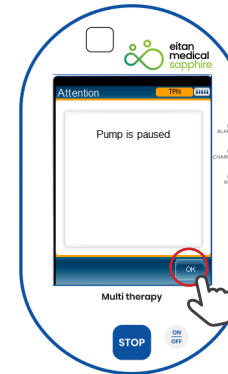


1. Press the "Stop" key.



2. The infusion is paused.

If the pump remains paused for 30 seconds

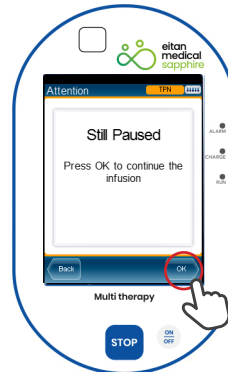


3. Press "Ok" to fully stop.

## Resume Infusion



1. Press "Request Continue".



2. Press "Ok".



3. The infusion is running.  
Green light is blinking.



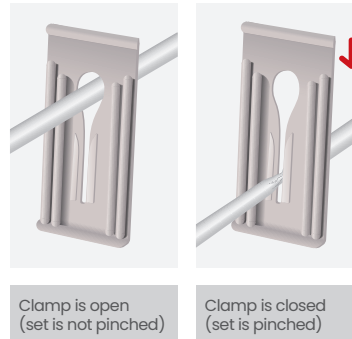
# End Infusion



1. Infusion complete. Press **"Mute"** then, **"OK"**.



2. Pump switched to KVO. Press **"Quit"**.



3. Close all tubing clamps.



4. Disconnect the tubing from your catheter. Following your nurse's instructions.



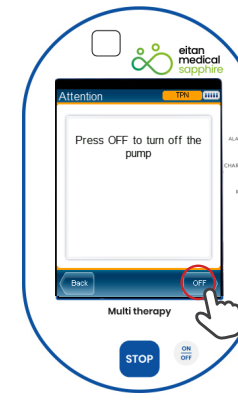
5. Open the door. Push up the metal lock.



The cassette is discharged.



6. Turn off the Pump. Press the **"ON/OFF"** key.



7. Press **"OFF"**.



**i** Discard tubing and infusion bag as instructed by your nurse.



# Charge The Pump

Whenever possible connect the pump to a wall outlet using the power supply cord. The battery can be charged during infusion.

## Connecting the Power supply to the pump:

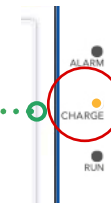
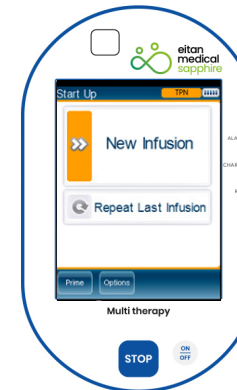


1. Align the red dot on the power supply to the arrow on the pump.

**Do not twist the connector**



2. Plug the other end of the power supply cord into a wall outlet.

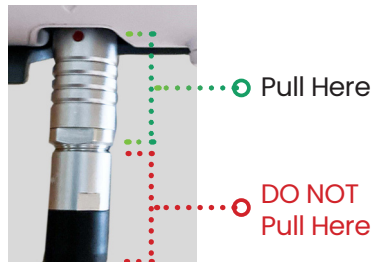


## Connection to power source

**CHARGE** light:

- Blinks when charging
- Steady on when the battery is fully charged

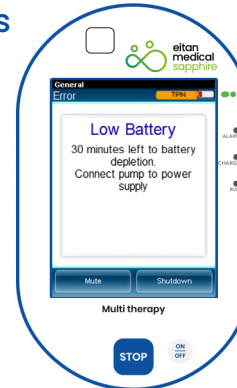
## Disconnecting the Power supply from the pump:



1. Pull metal connector and release it from the pump.

**Do not pull from the cord or twist the connector**

When 30 minutes left to battery depletion the pump will alarm and prompt to connect it to power supply



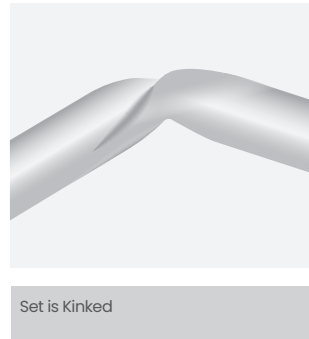
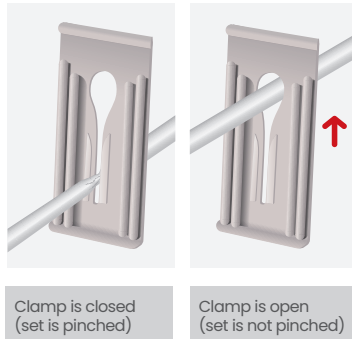
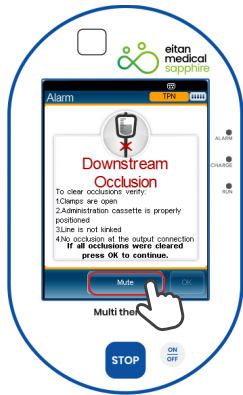
## Battery Charge Indicator Bars

- Full Charge
- 
- 
- Low



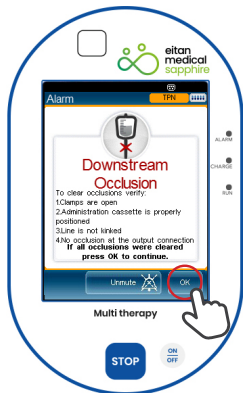
# Troubleshoot Alarms

When the pump alarms, the screen shows an error message and the suggested steps to correct such error.

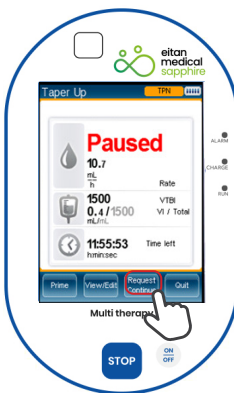


1. Press **"Mute"**.

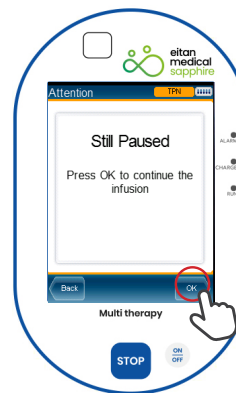
2. Follow the instruction on the screen. For occlusion - Open all tubing clamps, straighten kinks in the tubing. Make sure no other occlusions are blocking the tubing set.



3. Press **"Ok"** to dismiss the alarm.



4. Press **"Request Continue"**.



5. Press **"Ok"**.



6. The infusion is running now. Green light is blinking.

**i** For troubleshooting and alarms not described in this section, please contact your healthcare provider.



# Warnings

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- The instructions presented in this manual should in no way supersede established medical protocol concerning patient care.
- Home users must be trained by their medical provider before using the Sapphire pump.
- Clinicians are advised to verify the proper route of delivery, and the patency of the infusion site.
- Avoid placing the administration set or power cord on the floor, or any other location where it can accidentally be damaged or provide a risk of strangulation, particularly due to excessive length.
- If the pump is dropped or appears to be damaged, it should not be used, contact your healthcare provider for further instructions.
- Keep the pump, the used plastic infusion containers, packaging and tubing out of the reach of children.
- Administration sets should be disposed of in a proper manner, considering the nature of residual fluid that may be contained within, in accordance with provider disposal practices.
- Do not dispose of the battery in or near fire.
- Do not use a damaged administration set or damaged set components or packaging.
- Always refer to the instructions for use that are included.
- Eitan Medical administration sets are for single patient use only and should not be sterilized or cleaned for re-use.
- Do not connect the administration set to the patient while priming.
- Do not use force when connecting the administration set to the patient.
- Always use the clamps on the administration set to occlude the administration set prior to removing the Eitan Medical administration cassette from the pump.
- Do not apply pressure or pressurized air to any outlet or tubing connected to the pump. Pressure may destroy sensitive elements.
- Do not pull or stretch the tubing in any section of the administration set when the pump is in use, nor apply pressure to the infusion container.
- Do not alter any parts or components of the pump and/or of the administration sets. Eitan Medical shall not bear any liability with regard to any damage, loss or injury caused by or to you or any other third party resulting (directly or indirectly) from the use of the Pump and/or the administrations sets not in accordance with this Patient Guide and/or your healthcare provider's instructions.



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Eitan Medical does not practice medicine nor prescribe medication, dosages, volumes or delivery rates.

Eitan Medical may include certain entries, including without limitation parameter values, limit ranges, units of measure, or default settings, with the Sapphire pump, but these entries are merely suggestions that authorized medical personnel must review, accept, modify, or override. The health information contained therein is, provided for informational purposes only. All decisions regarding patient care must be made by a healthcare provider and consider the unique characteristics of each patient.

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