



Triumph IP₁₂ Infusion Pump Quick Start Guide

This guide provides a quick reference on operating the Triumph IP₁₂ Infusion Pump. Please refer to the Triumph IP₁₂ Infusion Pump user manual @ WWW.TRIUMPHMED.COM for detailed operation and settings.

Pole/Cage Clamp Instructions for use

- Install Pole/Cage Clamp on back of pump with provided hex wrench and bolt. Ability to install vertically or horizontally. (See Figure A and B)
- If attaching to cage it is necessary to install vertically with “split” side of clamp on the top. Also necessary to have clamp bolt all the way out (see figure C)

Figure A



Figure B

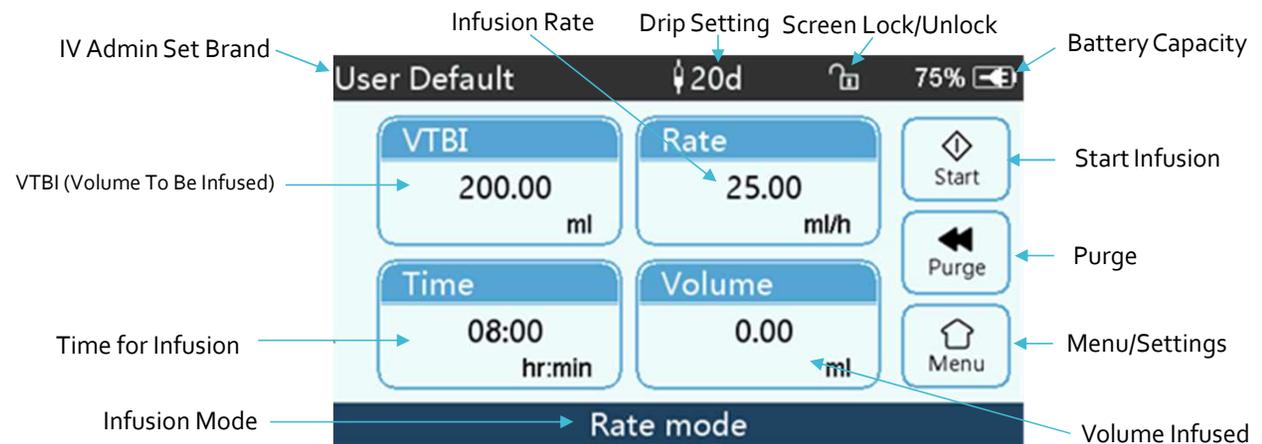
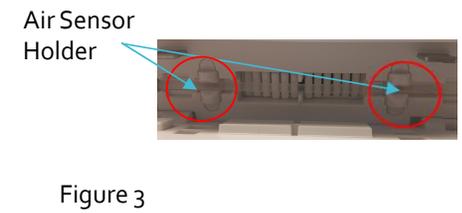
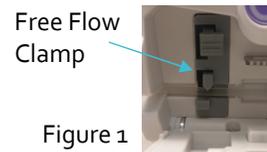


Figure C

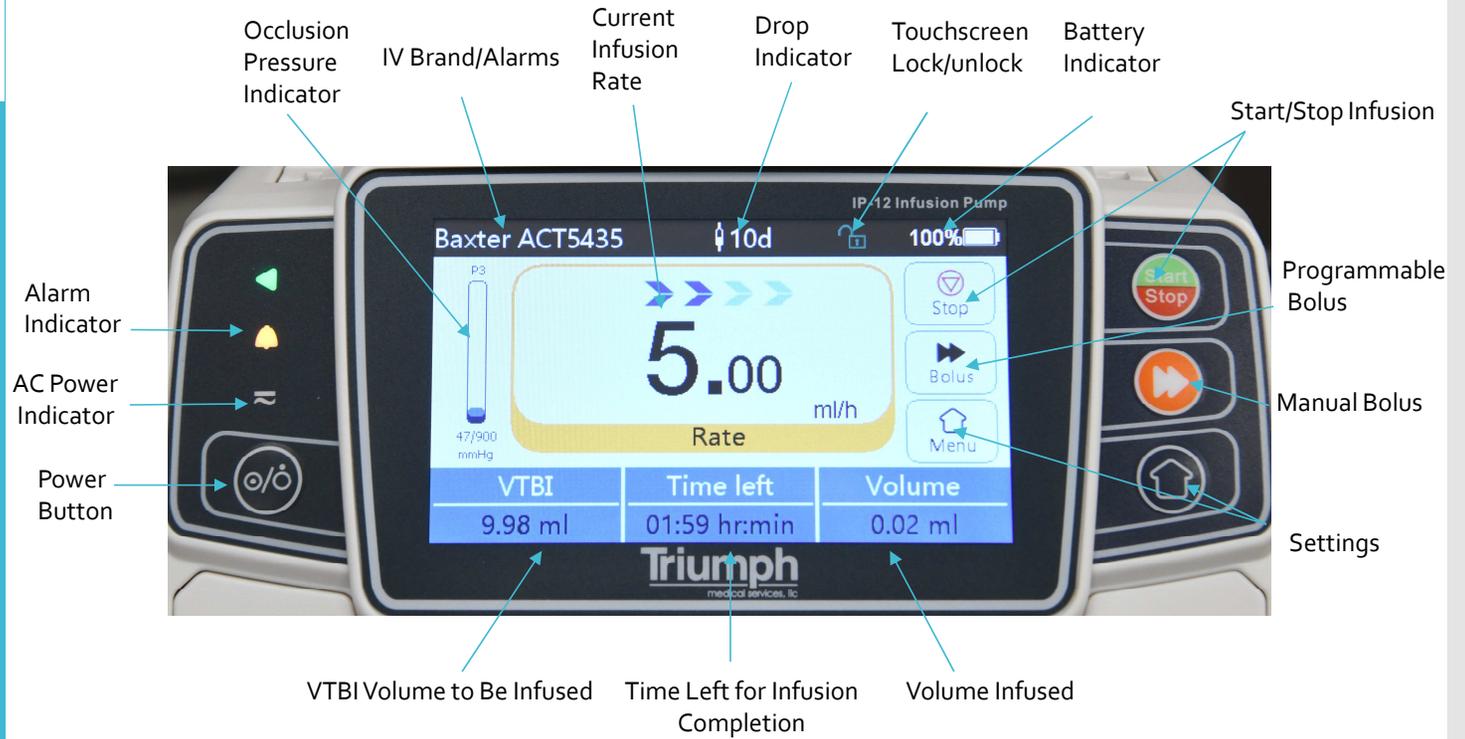


Basic Operation

- Press and Hold Power Button for 2 Seconds to Power on
- Select "Yes" or "No" to Clear last treatment
- Open door by pulling door handle; lift free flow clamp (see figure 1 and 2); install IV Admin Set following flow direction; secure line all the way across line guide by pressing line in to both air sensor holders (see figure 3); Close door by firmly pressing both sides of door and confirm door is completely latched
- Verify IV Admin Set Brand
- Select Infusion mode, Set Infusion Parameters, purge if necessary, and verify settings
- Press Start



During Infusion Interface





Infusion Modes

To Access Modes Press The Bottom of Home Screen or Select Menu then Modes

- **Rate Mode: Set VTBI and Rate (ml/hr)**

VTBI Range : 0.01 - 9999.99 ml

Rate Range : 0.1 ml/hr – 1500 ml/hr

- **Time Mode: Set VTBI and Time**

VTBI Range: 0.01 - 9999.9 ml

Time Range: 0 – 99 Hours 59 Mins

- **Body-Weight Mode: Select Unit, Enter Body Weight, Concentration, Dose, VTBI**

Dose Rates: mcg/min, mcg/h, mcg/kg/min, mcg/kg/h, mg/min, mg/h, mg/kg/min, mg/kg/h plus more available

- **Drip Mode: Set VTBI and Drop Rate (Drops/min) * Drop sensor not included**

VTBI Range : 0.01 - 9999.99 ml

Drop Rate Range: 1-250 Drops/Min

- **Drug Library Mode: Select Drug, Enter Concentration, dose rate, weight**

Drug library is editable by going to settings – Drug Library – DrugLib maintenance – Enter Password 8888 - options to edit drugs and change password

Bolus Operation

- Purge: While pump is idle Press Purge on screen and select Yes or Press and Hold the Purge Softkey. (see Figure 1)
- Programmed Bolus: During infusion Press Bolus on screen and set Bolus VTBI, Bolus rate, Bolus time, and then select start (see Figure 2 and Figure 3)
- Manual Bolus: During infusion press and hold Bolus softkey (see Figure 2) - Audible tone every 1 ml bolus infused
- To change default Manual Bolus rate: while pump is idle go to Menu, Settings, then select Bolus rate. (see Figure 4)

Figure 1



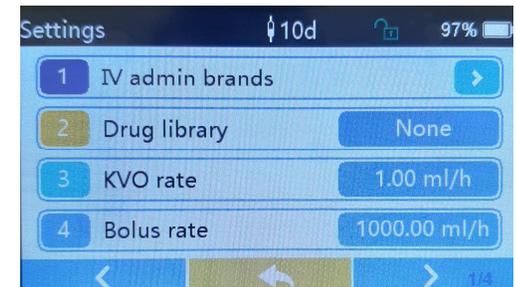
Figure 3



Figure 2



Figure 4



Settings

To Enter additional Settings Select the Menu button on Touchscreen or Softkey

- Modes: Change current Infusion Mode
- Settings: Change current IV admin Brand, drug library, default KVO(Keep Vein Open) Rate (0.01 ml/hr – 5.0 ml/hr), default Bolus rate, Occlusion Pressure (3 Levels 300 mmhg – 900 mmhg), Bubble sensor size (7 Levels 50 ul – 800 ul), Pump idle alert time, Almost empty alarm, Drop Sensor level, Micro Mode
- General: Change Date & Time, Screen Brightness, Sound Level, Screen Lock time, Night Mode, and Battery Capacity Indicator
- Records: Recall History of alarms, and recent therapies
- System: Change Language, Factory default, Version, and Maintenance
- Home: Go back to Home screen
- Standby Mode: To Access Standby Mode press Power button, select Standby and enter standby time

