

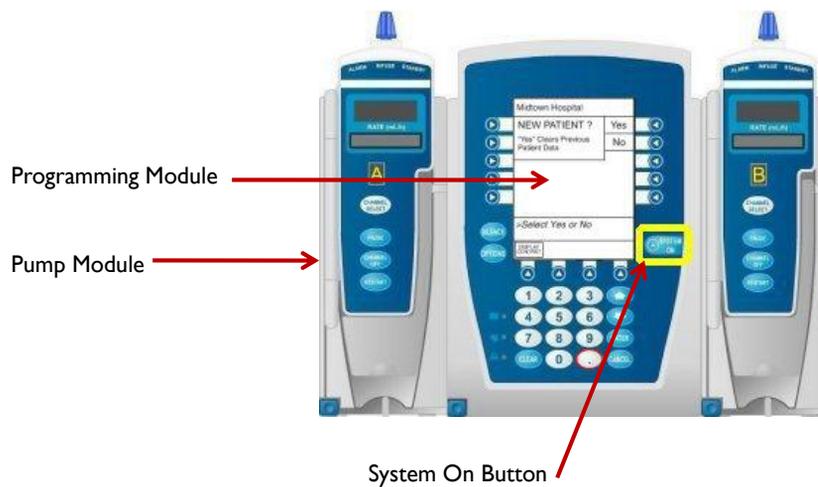
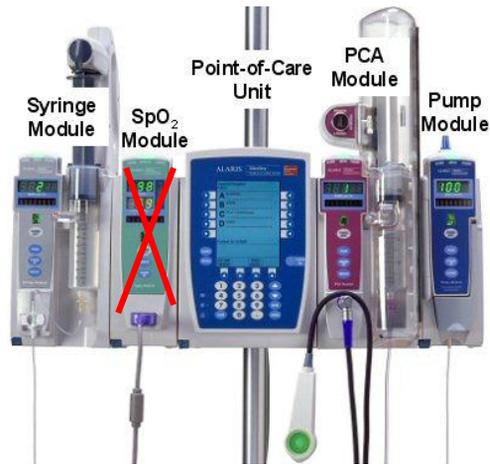


Introduction

- ▶ The ALARIS® Medley™ Medication Safety System is designed to help you provide the best possible patient care, by avoiding potential adverse drug events associated with IV administration at the point of care. This in turn helps you avoid the potential cost of harm, both in human and financial terms. The Medley™ Medication Safety System accomplishes this by integrating the infusion, patient monitoring, and clinical best practices at your facility.

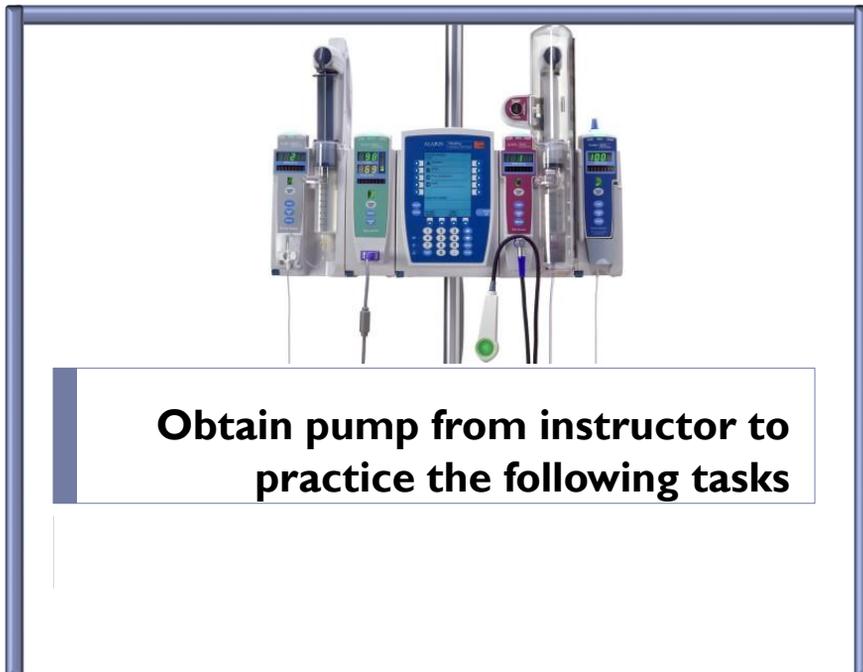
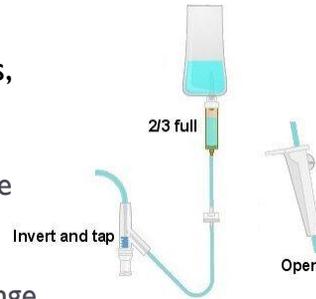
System Components

- ▶ SpO₂ module is not currently being used.



Priming

- ▶ Close roller clamp
- ▶ Fill the drip chamber to 2/3 full
- ▶ To prime tubing and clear air from SmartSite® Needle-Free valve y-sites, slowly open the roller clamp
 - ▶ Adult Patients: **Invert and tap** SmartSite® Needle-Free Valve(s) while priming
 - ▶ Pediatric/NICU Patients: Once set is primed, attach a sterile luer lock syringe and aspirate air through the SmartSite® Needle-Free Valve(s) into the syringe
- ▶ Close the slide clamp and roller clamp



Obtain pump from instructor to practice the following tasks

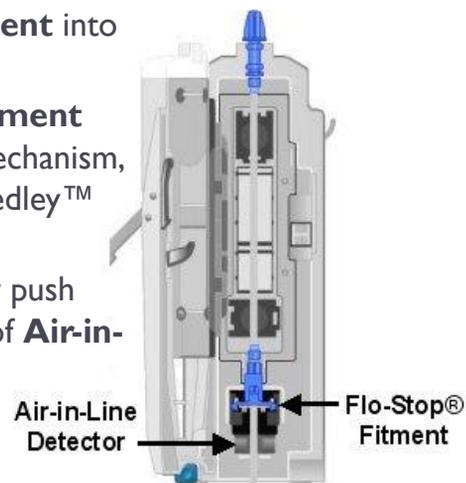
Attaching Pump Module

- ▶ Press blue release button on pump module, tip at 45° angle
- ▶ Reattach the pump module, start at a 45° angle
- ▶ Maximum of 4 pump modules



Administration Set Priming & Loading

- ▶ Loading administration set
 1. Position **upper fitment** into fitment recess
 2. Insert **Flo-Stop® fitment** into recess below mechanism, arrows point into Medley™ Pump Module
 3. Using fingertip, firmly push tubing toward back of **Air-in-Line Detector**



Misloads

- ▶ Illustrations of Misloaded Sets
- ▶ **Note:** Misloads can lead to rate inaccuracy.



System Start-up

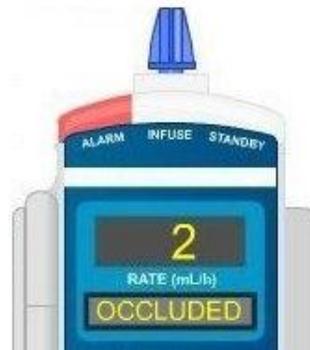
- ▶ Press **“SYSTEM ON”**
 - ▶ **NEW PATIENT?**
 - ▶ “Yes” clears previous patient data
 - ▶ Select **“YES”**
 - ▶ Next – Screen displays previous profile e.g. Critical Care?
“YES” confirms same profile
 - ▶ Select **“NO”** to preview available profiles
 - ▶ Select your patient’s profile on the **LEFT** of the screen
 - ▶ Press **Confirm**
- ▶ **PROFILE:** A name assigned to a patient care area or patient type.
 - ▶ Profiles for WBH Royal Oak:
 - ▶ CRITICAL CARE
 - ▶ MEDICAL SURGICAL
 - ▶ OBSTETRICS
 - ▶ ONCOLOGY
 - ▶ PEDS A (0-2kg)
 - ▶ PEDS B (2.1-15kg)
 - ▶ PEDS C (>15kg)
 - ▶ TRAINING

Programming a Basic Infusion

- ▶ Press **CHANNEL SELECT A**
- ▶ Select **BASIC INFUSION**
- ▶ Press **RATE**, program 10mL/h
- ▶ Press **VTBI** (volume to be infused), program 100mL
- ▶ Press **START**



- ▶ Lighthouse is **GREEN** to show infusion running
- ▶ Press **PAUSE** on pump module – lighthouse is now **YELLOW**
- ▶ Press **RESTART**
- ▶ Lighthouse is **RED** when infusion is disrupted



Changing Basic Infusion Rate

- ▶ Press **CHANNEL SELECT A**
- ▶ Press **RATE**, program 20 mL/h
- ▶ Press **START**

Note: It is not necessary to pause infusion to change rate

Infusion Complete - KVO

- ▶ This is a **SIMULATION**
- ▶ Press **Channel Select A**
- ▶ Press **Rate**, program **50 ml/h**
- ▶ Press **VTBI**, decrease VTBI to **0.1 ml** by entering **.1**
- ▶ Press **Start**

Note: KVO alert “**Infusion Complete – KVO**”, **Red** and **Green** indicators illuminate lighthouse which indicates that the **KVO** Rate is infusing.

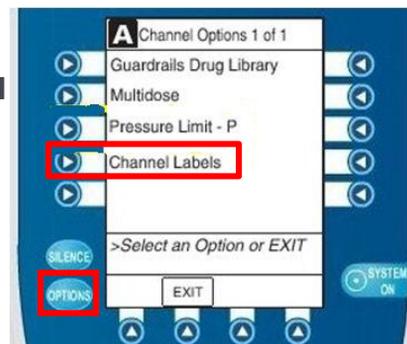
Infusion Complete – KVO *continued*

- ▶ To return to primary infusion rate:
 - ▶ Press **Channel Select** on **Channel A**
 - ▶ Press **VTBI**, press **Restore**, note **VTBI = 0.1 ml**
 - ▶ Change **VTBI** to **100 ml**
 - ▶ Press **Start**

Channel Labels

- ▶ To program a Channel Label
 - ▶ Press **Channel Select A**
 - ▶ Press **Options**
 - ▶ Select **Channel Labels**
 - ▶ Select **Maintenance IV Fluid**
 - ▶ Press **Start**

- ▶ To clear a Channel Label
 - ▶ Press **Channel Select A**
 - ▶ Press **Options**
 - ▶ Select **Channel Labels**
 - ▶ Select **Clear Label**
 - ▶ Press **Start**



Secondary Infusion

- ▶ Press **Channel Select A**
- ▶ Press **Secondary**
- ▶ Press **Basic Sec**
- ▶ Press **Rate**, program **200 ml/h**
- ▶ Press **VTBI**, program **0.3 ml** (to simulate nearing end of secondary infusion)
- ▶ Press **Start**



Remember to lower primary bag and unclamp secondary
Note: Plastic hanger that comes with secondary line should be extended the full length when lowering primary bag to ensure full infusion is given. When secondary is complete, the infusion will automatically return to Primary Rate.

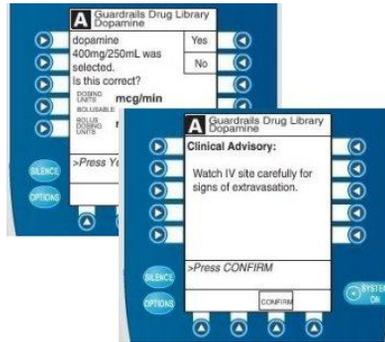
Policy

- ▶ Guardrail infusion: Used for the administration of most continuous medication infusions and some IVPB medications. If a medication is included in the Guardrails library, the pump **must** be programmed as a Guardrail infusion.
- ▶ Medications have minimum and maximum dosage limits. If the dose is programmed above/below these limits an alert will appear.

Guardrails® Drug Library – Med/Surg

Mandatory use – Refer to Policy #465 IV Therapy Electronic Infusion Device

- ▶ Press Channel Select B
- ▶ Press Options
- ▶ Press the Guardrails® Drugs
- ▶ Select Dopamine 400mg\250 ml
- ▶ Enter 95kg for patient weight
- ▶ Press Next
- ▶ Program VTBI as 250ml
- ▶ Program Dose as 5 mcg/kg/min
- ▶ Press Start



Note: If entering Rate, the dose will automatically be calculated. If entering Dose, the Rate will be automatically calculated.

Troubleshooting

- ▶ Air-in-Line – lighthouse is **RED**
 - ▶ Message scrolls in channel message display
 - ▶ Assess the amount of air in the line by pressing **Restart**
 - ▶ Air passes the eye and resets the eye to detect more air
 - ❑ If amount of air is clinically significant, remove air from the line
 - ▶ If no air is seen:
 - ❑ Ensure the air sensor is clean and free from debris
 - ❑ Ensure the set is properly seated in the Air-in-Line detector

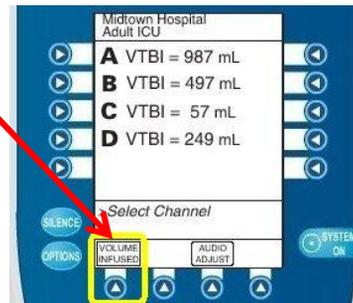
Troubleshooting *continued*

- ▶ Occluded – Patient Side – Lighthouse is **RED**
 - ▶ Partial Occlusion – Patient Side or Occluded - Patient Side scrolls in channel message display
 - ▶ Clear occlusion on patient side of the infusion below the affected Pump Module and press **Restart**
- ▶ Flo-stop Open/Close Door – Lighthouse is **RED**
 - ▶ Flow stop is in the open position (free-flow position) with the door open
 - ▶ Close roller clamp on the set or close the door then press **Restart** to resume the infusion

Volume Infused

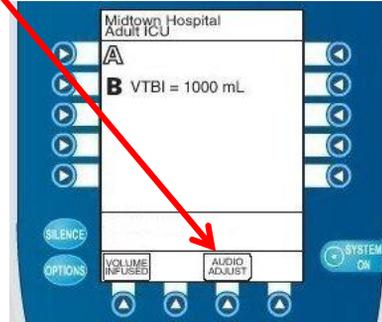
- ▶ Press **Volume Infused**
- ▶ Press **Clear All**
- ▶ Press **Main Screen**

Note: May clear each channel individually by pressing soft key corresponding to applicable channel



Audio Adjust

- ▶ Press **Audio Adjust**
- ▶ Adjust audio using **Softer** or **Louder** (1 through 5)
- ▶ Press **Main Screen**



Display Contrast

- ▶ Press **Options**
- ▶ Press **Display Contrast**
- ▶ Adjust contrast using **Lighter** or **Darker**
- ▶ Press **Main Screen**

Tamper Resist – Panel Lock

Prevents unwanted changes by unauthorized persons

- ▶ To lock panel
 - ▶ Press and hold Tamper Resist Switch on back (3 seconds)
 - ▶ **Note:** Main screen confirms “Panel Locked” when key is pressed

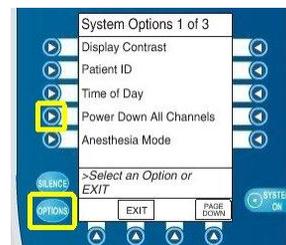


- ▶ To unlock panel
 - ▶ Press and hold Tamper Resist Switch (3 seconds)
 - ▶ **Note:** Main screen confirms “Panel Unlocked” and an advisory tone will confirm tamper Resistant is off

Powering Off

- ▶ Individual Channel Off
 - ▶ Go to individual pump module
 - ▶ Press Channel Off for 1.5 sec (until beep is heard) and release
 - ▶ **Note:** If this is the only pump module in use, this action will Power Off the entire system

- ▶ Multiple Channels - System Off
 - ▶ Press **Options**
 - ▶ Press **Power Down All Channels**
 - ▶ Power **Down All Channels?**
 - ▶ Select **No**





Congratulations

**You have completed
Medley Medication Safety System Module**

Please return the pump to your instructor

**If you have any questions, please contact the Clinical
Nurse Specialist (CNS) on your unit**