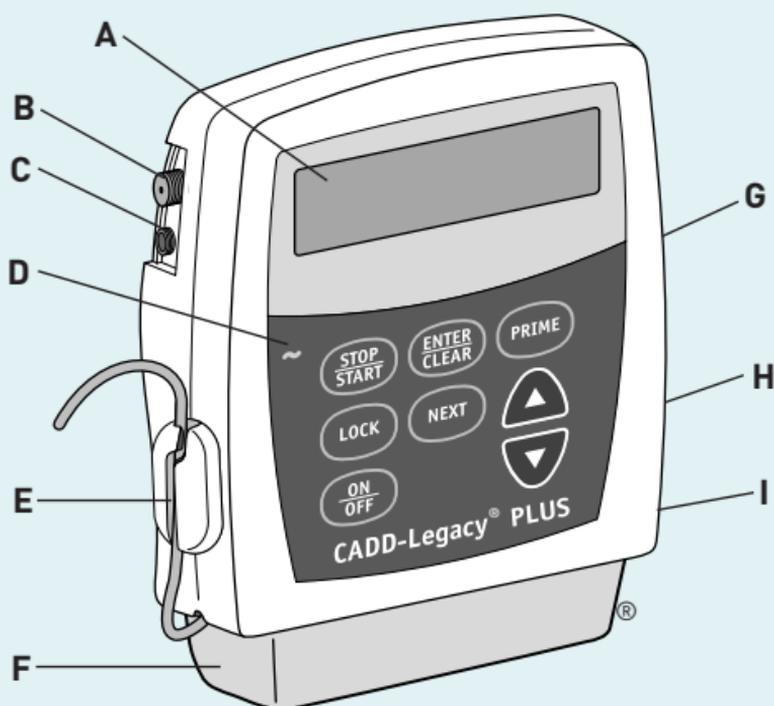


CADD-Legacy[®] PLUS Infusion Pump Model 6500

Quick Reference Card for Clinicians **Lock Level 0 (LL0)**



- A** Display shows programmed values and messages
- B** AC Adapter Jack used to plug in AC Adapter
- C** Accessory Jack (not currently in use)
- D** Indicator Light indicates AC power in use
- E** Air Detector
- F** Cassette (part of reservoir or administration set that attaches to pump)
- G** Threaded Mounting Hole for use with Polemount Bracket Adapter (back of pump)
- H** Battery Compartment (back of pump)
- I** Cassette Latch attaches cassette to pump (side of pump)

**Rate is in
ml/hr**

KEYPAD

STOP/START	Stops and starts the infusion
ENTER/CLEAR	Enters or clears displayed value
PRIME	Fills tubing with fluid
LOCK	Displays or changes Lock Level (security level)
NEXT	Advances to next programming screen
	Increases or decreases displayed values or scrolls through menu items
ON/OFF	Turns the pump on or off (low power)

Read the entire Operator's Manual before operating the CADD-Legacy[®] ambulatory infusion pump. Failure to properly follow warnings, cautions and instructions could result in death or serious injury to the patient.

PROGRAMMING / SET-UP SEQUENCE

CONTINUOUS DELIVERY

Batteries must be installed; pump must be stopped and in LL0.

NOTE: Value Not Saved is displayed if a value is scrolled and ENTER/CLEAR is not pressed. Press NEXT to continue programming.

WARNING: If the pump is dropped or hit, inspect it for damage. Do not use a pump that is damaged or is not functioning properly.

Main Screen	Press NEXT.
Enter Reservoir Volume	1. Press  or  to select desired reservoir volume. 2. Press ENTER/CLEAR. 3. Press NEXT.
Enter Continuous Rate	4. Press  or  to select desired Continuous Rate in ml/hr. 5. Press ENTER/CLEAR. 6. Press NEXT. WARNING: This pump delivers medication at a continuous rate or intermittent rate in milliliters per hour (ml/hr). Programming the pump at a delivery rate other than what is prescribed will cause over- or under-delivery of medication.
Clear Milliliters Given	7. Press ENTER/CLEAR to clear the given value. The display will show 0.00. 8. Press NEXT.
Verify Air Detector Status	9. Verify the setting is correct. (To change setting, see Biomed Functions section.) 10. Press NEXT.
Verify Upstream Sensor Status	11. Verify the setting is correct. (To change setting, see Biomed Functions section.) 12. Press NEXT.
Verify Programming	13. Press NEXT repeatedly to review program.

INTERMITTENT DELIVERY

Batteries must be installed; pump must be stopped and in LL1.

Main Screen	Press NEXT.
Enter Reservoir Volume	1. Press  or  to select desired reservoir volume. 2. Press ENTER/CLEAR. 3. Press NEXT.
Enter Dose Volume	4. Press  or  to select desired dose volume. 5. Press ENTER/CLEAR. 6. Press NEXT.
Enter Dose Duration	7. Press  or  to select desired dose duration. 8. Press ENTER/CLEAR. 9. Press NEXT.
Enter Dose Cycle	10. Press  or  to select desired dose cycle. 11. Press ENTER/CLEAR. 12. Press NEXT.
Enter KVO Rate	13. Press  or  to select desired KVO rate. 14. Press ENTER/CLEAR. 15. Press NEXT.
Verify Dose Remaining	Note: Appears only during dosing or if dose is interrupted. 16. Press NEXT.
Enter Dose Starts In	17. Press  or  to select amount of time before next dose. Select IMMEDIATE if dose should begin when pump is started. 18. Press ENTER/CLEAR. 19. Press NEXT.
Clear Milliliters Given	20. Press ENTER/CLEAR to clear the given value. The display will show 0.00. 21. Press NEXT.

PROGRAMMING / SET-UP SEQUENCE CONTINUED

Verify Air Detector Status	22. Verify the setting is correct. (To change setting, see Biomed Functions section.) 23. Press NEXT.
Verify Upstream Sensor Status	24. Verify the setting is correct. (To change setting, see Biomed Functions section.) 25. Press NEXT.
Verify Programming	26. Press NEXT repeatedly to review program.

PUMP OPERATIONS

Change the Lock Level	<ol style="list-style-type: none">1. Stop the pump.2. Press LOCK.3. Press  or  until desired lock level appears.4. Press LOCK or ENTER/CLEAR.5. Press  or  until the lock level code appears.6. Press LOCK or ENTER/CLEAR.
Stop the Pump	<ol style="list-style-type: none">1. Press and hold STOP/START until (-----) appears on the display.2. Release STOP/START key. STOPPED will appear on the display when the pump is stopped.
Start the Pump	<ol style="list-style-type: none">1. Press and hold STOP/START until (-----) disappears from the display.2. Release STOP/START key. RUN will appear on the display when the pump is running.
Prime the Fluid Path	<p>Pump must be stopped and in LLO or LL1.</p> <p>WARNING: Do not prime the fluid path with the tubing connected to a patient as this could result in over delivery of medication or air embolism.</p> <ol style="list-style-type: none">1. Press and hold PRIME until the word PRIME appears on the display, along with (-----).2. Release the PRIME key.3. Press and hold PRIME. Priming appears on the display. Continue priming until the fluid path is free of air.4. Press NEXT to return to the main screen.
Reset the Reservoir Volume	<ol style="list-style-type: none">1. Stop the pump.2. Press NEXT to display the reservoir volume screen.3. Press ENTER/CLEAR to reset the value to previously programmed amount.
Turn the Pump On	<ol style="list-style-type: none">1. Press and hold ON/OFF until pump beeps and powers up.
Turn the Pump Off	<ol style="list-style-type: none">1. Press and hold ON/OFF until (●●●● ●●●● ●●●●) appears on the display.2. Release ON/OFF key.3. The screen will go blank as the pump goes into a lower power state.
Change the Batteries	<ol style="list-style-type: none">1. Stop the pump.2. Push down and hold the arrow button on the battery door while sliding the door off. Remove and discard old batteries. <p>IMPORTANT: Always stop pump before removing batteries.</p> <ol style="list-style-type: none">3. Install new batteries, matching polarities shown on pump. Replace battery door and close.4. Start the pump. <p>WARNING: If a gap is present anywhere between the battery door and the pump housing, the door is not properly latched. If the battery door becomes detached or loose, the batteries will not be properly secured which could result in loss of power or non-delivery of medication.</p> <p>WARNING: Do not use rechargeable NiCad or nickel metal hydride (NiMH) batteries. Do not use carbon zinc ("heavy duty") batteries.</p>

PUMP OPERATIONS CONTINUED

Biomed Functions	Pump must be stopped and in LLO.
To Access	<ol style="list-style-type: none"> 1. Press LOCK. 2. Press LOCK or ENTER/CLEAR. 3. Press  or  until the biomed code appears. 4. Press LOCK or ENTER/CLEAR. 5. Press NEXT to go through settings.
To Turn Air Detector ON-HIGH, ON-LOW or OFF	<ol style="list-style-type: none"> 6. Press NEXT until AIR DETECTOR appears. 7. Press  or  until desired setting appears. 8. Press ENTER/CLEAR. 9. Press NEXT. <p>WARNING: When the air detector is turned off, the pump will not detect air in the fluid path. Periodically inspect the fluid path and remove any air to prevent air embolism.</p>
To Turn Up-stream Sensor ON/OFF	<ol style="list-style-type: none"> 10. Press NEXT until UPSTREAM SENSOR appears. 11. Press  or  until desired setting appears. 12. Press ENTER/CLEAR. 13. Press NEXT. <p>WARNING: When the upstream occlusion sensor is turned off, the pump will not detect occlusions upstream (between pump and reservoir). Periodically inspect the reservoir for decreasing reservoir volume and inspect the fluid path for kinks, a closed clamp, or other upstream occlusion. Upstream occlusions could result in under- or non-delivery of medications.</p>
To Change Delivery Mode	<ol style="list-style-type: none"> 14. Press NEXT until DELIVERY MODE appears (Intermittent or Continuous). 15. Press  or  until desired setting appears.
To Exit Biomed Functions	<ol style="list-style-type: none"> 16. Press ENTER/CLEAR. 17. Press NEXT until NEXT FOR BIOMED, ENTER FOR MAIN appears. 18. Press ENTER/CLEAR to return to main screen. Or press NEXT to continue in Biomed settings loop.

PROGRAMMING SCREENS

Main Screen	Displays status of pump (STOPPED or RUN)
<u>CONTINUOUS MODE</u>	
Reservoir Volume	Volume of fluid in reservoir
Continuous Rate	Continuous rate of infusion (ml/hr)
Given	Total amount of medication delivered since display was last cleared
Air Detector (status only)	Indicates if air detector is turned on or off and high or low sensitivity level
Upstream Sensor (status only)	Indicates if turned on or off
<u>INTERMITTENT MODE</u>	
Reservoir Volume	Volume of fluid in reservoir
Dose Volume	Volume of an individual dose
Dose Duration	Amount of time over which an individual dose is infused
Dose Cycle	Time from start of one dose to start of next dose
KVO Rate	Keep Vein Open rate in ml/hr delivered in between doses
Dose Remaining	Time remaining for delivery of current dose (only appears during dosing or if dose is interrupted)
Dose Starts In Given	Amount of time before start of next dose Total amount of medication delivered since display was last cleared
Air Detector (status only)	Indicates if air detector is turned on or off and high or low sensitivity level
Upstream Sensor (status only)	Indicates if turned on or off

CHANGING THE CASSETTE

To Remove Used Cassette	<ol style="list-style-type: none">1. Stop the pump.2. Close all tubing clamps.3. Disconnect tubing from patient.4. Use coin to unlatch used cassette.5. Remove and discard used cassette.
To Attach New Cassette	<ol style="list-style-type: none">1. Close all tubing clamps.2. Insert new cassette hooks into pump's hinge pins.3. Place pump with cassette on firm surface and push down on top of pump so cassette fits tightly against the pump.4. Insert a coin into the lock, push in and turn until the line on the lock lines up with the arrow on the side of the pump.5. Gently twist and pull on cassette to make sure it is attached properly.6. Press ENTER/CLEAR to reset reservoir volume, if appropriate.7. If the Air Detector is in use, make a small loop of tubing underneath the air detector and hold it with your thumb. Place the tubing over the groove in the air detector and tuck it under the catch. Seat the tubing into the groove by gently pulling the tube upward until it is under the retention nubs and flat in the groove.

WARNING: Attach the cassette (the part of the Medication Cassette reservoir or CADD® administration set that attaches to the pump) properly. An improperly attached or detached cassette could result in unregulated gravity infusion of medication from the fluid container or a reflux of blood. If you are using a CADD® administration set or Medication Cassette reservoir that does not have the flow stop feature (catalog number does not start with 21-73xx): You must use a CADD® extension set with an integral anti-siphon valve or a CADD® administration set with either an integral or add on anti-siphon valve to protect against unregulated gravity infusion that can result from an improperly attached cassette.

ALARMS & TROUBLESHOOTING

The CADD-Legacy® PLUS pump signals with audible alarms and messages that appear on the display when a condition requires your attention.

Res Vol Low 🔊 <i>Three beeps</i>	Level of fluid in the reservoir is low. Prepare to install new reservoir.
Reservoir Volume Empty 🔊 <i>Two-tone alarm</i>	Reservoir volume has reached 0.0 ml. Press NEXT or STOP/START to silence alarm. Install a new reservoir, if appropriate.
Low Bat 🔊 <i>3 two-tone beeps every five minutes</i>	Batteries are low, but pump is operable. Change batteries soon.
Battery Depleted 🔊 <i>Two-tone alarm</i>	Batteries are depleted and cannot operate pump; install new batteries immediately.
Battery Removed Pump Won't Run 🔊 <i>Two-tone alarm</i>	With AC adapter attached, batteries have been removed while pump was running, or you have tried to start pump with depleted batteries. Install new batteries.
High Pressure 🔊 <i>Two-tone alarm</i>	High pressure is being caused by an occlusion in the fluid path between the pump and the patient. Remove the occlusion to resume operation. Or press STOP/START or NEXT to stop the pump and silence the alarm for two minutes, then remove occlusion and restart pump.

ALARMS & TROUBLESHOOTING CONTINUED

The CADD-Legacy® PLUS pump signals with audible alarms and messages that appear on the display when a condition requires your attention.

Upstream Occlusion 🔔 <i>Two-tone alarm</i>	Fluid is not flowing from the reservoir to the pump. Check for a kink or air bubble in the tubing between the reservoir and pump. Remove the occlusion to resume operation or press STOP/START or NEXT to stop the pump and silence alarm for two minutes, then remove the occlusion and restart the pump.
Screen Displays Current Pump Status 🔔 <i>Two-beep (long-short) alarm</i>	The cassette is not aligned with the pump, or is damaged, or a malfunction of the pump sensor(s) is occurring. Reposition the pump to silence the alarm. If repositioning the pump does not silence the alarm within two minutes, the pump will display, "No Disposable, Clamp Tubing."
Air In Line Detected 🔔 <i>Two-tone alarm</i>	Air in fluid path. Press NEXT or STOP/START to silence alarm. Make sure tubing is threaded in air detector properly. If the fluid path contains air, close clamps, disconnect from patient and prime fluid path.
Stopped 🔔 <i>Three beeps every five minutes</i>	Pump is stopped. Start pump, if appropriate.
Programming Incomplete	Verify all programming screens by pressing ENTER/CLEAR before moving to next screen or starting pump.
Value Not Saved	A value was not saved by pressing ENTER/CLEAR. Press NEXT to resume programming.
Error 🔔 <i>Two-tone alarm</i>	An error has occurred. Remove pump from service.
No Message Displayed 🔔 <i>Two-tone alarm</i>	The pump was running when batteries were removed or, the batteries were removed within 15 seconds after stopping the pump. Batteries must be reinstalled. IMPORTANT: Always stop pump before removing batteries.
No Disposable, Clamp Tubing 🔔 <i>Two-beep (long-short) alarm</i>	The disposable was removed, or the cassette is not aligned with the pump or is damaged, or a malfunction of the pump sensor(s) occurring. Clamp the tubing immediately. Press STOP/START or NEXT to silence alarm.
Service Due 🔔 <i>Two-tone alarm</i>	The pump is due for service.

Warning: This Quick Reference Card should be used by clinicians only. Do not permit patients to have access to this card, as the information would allow access to all programming and operating functions. Assistance with the CADD-Legacy® PLUS pump is available to clinicians 24-hours-a-day by calling 1-800-258-5361.

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