

Crit-Line Set up Instructions

I. Preparing the Crit-Line for Clinical Use – Calibration Routine

- A. Remove the Crit-Line from its box and remove all packaging materials (bags, tape, etc.)
- B. Turn the Crit-Line ON
- C. Place the sensor clip onto the verification filter
- D. From the MAIN MENU Screen, move cursor to CALIBRATION and push the SELECT button
- E. Wait for CLM to recognize filter and then move cursor to VERIFY ACCURACY and push the SELECT button
- F. Wait for 2 minute countdown process
- G. Once the Verify Accuracy routine has been successfully completed, move cursor to RETURN and push the SELECT Button to get back to the MAIN MENU Screen
- H. If the Verify Accuracy routine is not successful, follow on screen instructions.

II. Preparing the Crit-Line for Clinical Use – Setting the Date and Time

- A. From the MAIN MENU, move cursor to PATIENT RUN and push the SELECT button to enter the INITIAL DATA screen. Look at the date and time and make any corrections as necessary.
- B. Look at the date on the left hand side of the screen. If the date is not correct, move the cursor to DATE ADJUST and push the SELECT button.
- C. Move the cursor to whatever date value needs to be changed and push the SELECT button.
Move the cursor to the desired value and push the SELECT button. When entering a two-digit number, push the SELECT button after each number. Once a two-digit number has been entered, the number will become the new default number. Once the correct date has been entered, move the cursor to RETURN and push the SELECT button.
- D. Look at the time on the left hand side of the screen. If the time is not correct, move the cursor to TIME ADJUST and push the SELECT button.
- E. Move the cursor to whatever time value needs to be changed and push the SELECT button.
Move the cursor to the desired value and push the SELECT button. When entering a two-digit number, push the SELECT button after each number. Once a two-digit number has been entered, the number will become the new default number. Once the correct time has been entered, move the cursor to RETURN and push the SELECT button.

III. Preparing the Crit-Line for Clinical Use – Setting the Data Output/Printer Settings

- A. From the MAIN MENU or MEMORY FULL screen, move the cursor to OUTPUT OPTIONS and push the SELECT button to enter the OUTPUT MENU.
- B. In the bottom right-hand corner of the screen, the default printer will be highlighted. Move the cursor to SELCET PRINTER and push the SELECT button.
- C. Move the cursor to PC Printer and push the SELECT button. The double asterisks will also shift next to the PC Printer. Once you have selected PC Printer, move the cursor to RETURN and push the SELECT button.

IV. Installing the Pole Mount

- A. Remove the pole mount from the packaging and set aside the two large washers, the two small washers, one knob screw and one allen wrench.
- B. Using the allen wrench, remove the 4 screws from the pole mount bracket so the bracket is completely separated from the pole mount.
- C. Decide which way you would like to attach the pole mount. You can attach the pole mount so it extends over the top of the dialysis machine or if you have a dialysis machine that has a screen/monitor on top (i.e. T Machine), you can extend the pole mount away from the dialysis machine.
- D. Decide how high you would like to attach the pole mount. If you are placing the pole mount over the dialysis machine, make sure the mount is high enough to allow the regular dialysis supplies (needles, tubing, etc.) to be placed on top of the dialysis machine. Also, make sure that the mount is not attached so high that the caregivers are not able to reach the Crit-Line.
- E. Attach the pole mount to the IV pole of the dialysis machine at the desired height. This is done by placing the bracket on one end of the IV pole and the mount on the opposite side of the IV pole. Once the bracket and mount are on opposite sides of the IV pole, use the allen wrench to tighten all 4 screws. **MAKE SURE YOU USE THE TWO SMALLER WASHERS ON THE TOP TWO SCREWS.** There is no need to use any washers on the bottom two screws.
- F. Once the pole mount is firmly attached, place the Crit-Line onto the base of the pole mount. The Crit-Line has a molded square in its base that fits perfectly into the pole mount base.
- G. Use the knob screw to attach the Crit-Line to the pole mount. This screw is placed from underneath the base of the pole mount into the bottom of the Crit-Line. The big washers can

be used for a tighter connection but these washers are typically not required and can be discarded.

NOTE: Once the Crit-Line has been installed onto the pole mount, you might want to consider attached the “brick” portion of the Crit-Line power supply to the top back left hand corner of the Crit-Line Monitor using industrial strength Velcro. This will prevent the brick portion of the power supply from falling to the floor where it might get wet and overheat.

V.Attaching the Wireless Radios to the Crit-Line

NOTE: This step only applies to those facilities using the wireless radios

- A. Remove the client radios from the packaging and attach the antenna to the back of the radio. The client radios are the ones with the one foot cable attached to its back panel. There is usually one client radio for every Crit-Line Monitor.
- B. Once the antenna has been attached, mount the radio to the top back right hand corner of the Crit-Line using industrial strength Velcro. Make sure to orient the radio so the cable coming out the back of the radio is facing the back of the Crit-Line and the antenna is closest to the front of the Crit-Line.
- C. The client radio should also have a y-split connector. Attach this connector to the Crit-Line power supply and then attach one end of the y-split connector to the back of the client radio and the other y-split connector to the back of the Crit-Line.
- D. Once the client radios have been attached, find the one server radio and attach its antenna.
- E. Connect the server radio to the back of the computer that is attached to the printer you want to use for printing using the standard DB 9 serial cable that is included. If your computer does not have a 9 pin comport, then you will need to get a 9 pin serial to USB converter. This converter will allow you to attach the serial cable to a USB port on your computer.
- F. Using the power supply that is included, plug the server radio into an electrical outlet. You should now see a green and a red light on the server radio as well as a green and a red light on all the client radios. This means the client radios and the server radio recognize each other.

VI.Wireless Printing Troubleshooting Guide

I. Server Not Ready

If the Crit-Line displays the message “Server Not Ready”, take the following steps until the problem has been resolved:

A. Make sure the client radio (the one attached to the Crit-Line) and the server radio (the one attached to the back of the printer) are both plugged in to power and both have a red and a green light. If you do not see a red and a green light, then that means the radios are either unplugged or not communicating with each other.

B. Make sure the CLMPrinter icon is at the bottom of the screen next to the start icon. If you do not see this icon, click on the start icon and choose the “programs” option and then choose the “startup” option. You can then select Crit-Line Printer and this program will open. You can also get this program to open by rebooting the computer.

NOTE: If all of the Crit-Line Monitors are not printing, it’s likely because the Crit-Line Printer software has locked up. Even if you see the CLMPrinter icon, close out this program and then reopen it as described in step 2. This will likely solve the problem.

C. Make sure the selected COM Port on the CLMPrinter software is the COM Port that that is connected to the server radio. The server radio should be connected to the computer with the black 9 pin cable. If your computer does not have a serial port, then you will need a serial to USB connector cable.

D. Make sure the blue 1 foot cable is properly connected between the client radio and the Crit-Line.

E. Make sure that PC Printer has been selected and the default printer on the Crit-Line Monitor. This can be done by selecting output options, select printer and then by choosing PC Printer. Make sure the asterisks are next to PC Printer.

F. Make sure that the printer is turned ON and has paper.

G. Make sure that the printer has been chosen as the default printer by the computer you are using.

H. Make sure you select “Print Serial” on the Crit-Line when you are ready to print and NOT “Print Parallel”

II. Nothing Prints Out

If you select “Print Serial” and nothing prints out, there may not be any data in the memory of the Crit-Line. To see if there is any data to print, turn the Crit-Line OFF and then back ON. If you see the Main Menu screen, then there is nothing to print. If you see the Memory Full screen, then you should be able to print as long as all the steps above have been followed.

If you have tried all the above steps and cannot get the Crit-Line Monitors to print, call Matt Haynie at 801-550-5364.

VII. Installing the Printer Software

NOTE: Make sure the computer you use is connected to the printer in your facility that you want to use for printing patient profiles.

- A. Attach the 9 pin end of the data download cable that was provided to the back of your computer. If your computer does not have a 9 pin comport, then you will need to get a 9 pin serial to USB converter. This converter will allow you to attach the data download cable to a USB port on your computer.
- B. Load the Crit-Line Printer Software CD into the disk drive of your computer. Install the printer software according to the instructions on the computer screen.
- C. Once the software has been installed, designate the appropriate comport. The appropriate comport is the one where the data cable was attached.

NOTE: If you are using the wireless radios, skip step D.

- D. Once a treatment is complete, connect the RJ 45 end of the data cable that is connected to your computer to the back of the Crit-Line.
- E. Select Output Options on the Crit-Line. Make sure the default printer is PC Printer (see step III). With the cursor next to Print Serial, push the SELECT Button. If the data transfer was successful, the job count will increment by one and a treatment profile will be sent to the printer.

