

Changes to the Datex Monitor Default Settings:

- Datex monitors have been reprogrammed to include 4 “Modes”. The modes have been created to facilitate more functional printing and make it easier to comply with the required standard of printing ECGs for rhythm analysis and CVP/PAP/PWP waveforms (see page two for printing instructions and examples of how the modes can be used).
- Each mode has a unique set of defaults.
- The monitor will default to “CCTC Gen” (CCTC General) mode unless changed.
- The mode is identified in the upper right hand corner of the screen.
- The default settings for each of the 4 modes can be found on page 3.
- The snapshot format is different for each mode. When you print a snapshot, the waveforms will be determined by the mode selected. Note that if “P2” is the second waveform in a snapshot, and you connect your arterial waveform to P2, the second wave in the snapshot will be the arterial line (see table on page 3).
- You can change any of the pressure assignments, alarms, and displayed waveforms the same as with the previous mode. You CANNOT change the waveforms in the snapshot page.
- You can switch back and forth between modes at any time during monitoring (e.g., between Swan-ganz and EEG). Note: if you have changed any of the monitoring parameters from the default settings (e.g., alarm limits, scales etc), these changes will be lost when you change modes. Switching modes will always revert to the default settings.
- A 5th mode will be added in the future for doing metabolic cart measurements.

How to Change Modes:

- Go to “Admit/Discharge” from the navigation bar.
- Choose “Select Mode”
- Choose the desired mode (remember, changes you have made to any of the default settings are lost when you switch modes)

How to Print ECG, CVP or other Waveforms:

- Make sure your patient’s name and PIN are entered into the monitor.
- Observe the monitor until you have an acceptable ECG and waveform (e.g., free of artifact).
- Press “Take Snapshot”. **There is a 12 second timing display:** when you “take a snapshot”, you will freeze the previous 12 seconds. If you want to be sure you captured an event, select snap shot a couple of times at 6 second intervals.
- You do not need to change the scale before measuring a wedge pressure. Simply measure the wedge in the existing PAP scale, and select “Take Snapshot” after you have about 8 seconds of PWP recording on the screen. Once you select “Take Snapshot”, immediately let the balloon down.
- Once you have taken the snapshot, the wave can be printed in any scale you choose.
- To change the scale on the printout to something other than the scale on the monitor, change the scale BEFORE retrieving the snapshot. If the scale you select is still not as small as you want, you can change the scale again and retrieve the snapshot.
- To retrieve the snapshot:
 - Select “Pt Data and Trends”
 - Select “Trends”

- Select “Snapshot”
- Turn the dial until the desired snapshot appears. Look carefully at the date and time on the snapshot (not the monitor) to ensure you have the correct waveform.
- When the desired waveform is selected, confirm.
- Scroll up to “Print Page”.
- When you print a page, you get a full 8 X 11 printout from the central station printer. “Record” refers to the small paper recorder at the bedside
- Be sure the patient name and ID is included on the printout. Analyze the ECG and/or pressure tracing and post in the chart.

Printing Troubleshooting:

- If you are unable to print (“Printer error” is displayed at the top of the screen after “Print Page” is selected), ensure that the central station is working.
- If the central station is down, contact biomedical engineering.
- Choose “Record/Print” from the grey buttons on the navigation bar.
- Scroll to bottom and choose “Printer Connection”.
- If you are in Bay 4, choose “Network Connection 4”
- If no menu is available, the central station is likely down.
- If you are working in 3A and the central station in Bay 3 is down but working in Bay 4, you can choose “Network 4” to send your printed pages to a functional Bay.
- If the printed page doesn’t show up at the expected printer, go into the same print menu to find out if your printing has been redirected to another Bay.

Swan-Ganz:

- Remember that you must have the “TBlood” digit activated to display your PA temperature. While you can do this from any mode, the simplest way to enable the TBlood is to choose the “Swan-Ganz” mode. The temperature port looks like you are missing a “prong”, however, the normal Swan-Ganz thermistor connector has only 3 prongs in place.
- Use a P4 module to measure your PAP. This will ensure your waveform is positioned as the first waveform below the ECG on the snapshot page.
- When cardiac output measurements are performed, remember to ensure that the injection temperature probe is connected as well as the blood temperature probe.
- When you inject for cardiac output measurements, watch the Injectate temperature to ensure that it falls during injection. This provides a confirmation that the injection temperature is being detected. A very low cardiac output reading should make you suspicious that the injectate temperature could be disconnected.

CEEG:

- The CEEG module has been created to provide a full size printout of the 4 EEG waveforms. The purpose for this is to allow you to capture the EEG during possible seizure activity and help confirm/rule out seizure activity as the cause. This is how you may wish to use it:
 - If you are monitoring CEEG, switch to the CEEG mode. If your patient begins to show possible seizure activity, take a snapshot (you may wish to repeat the snapshot a few times so that you account for the 12 second delay).
 - When you retrieve your snapshot in the CEEG mode, it will consist of ECG first, followed by 4 EEG waves.

- You will continue to display you hemodynamic waveforms on the monitor screen; only the snapshot waveforms change.
- YOU CANNOT print CVP or other waveforms from the snapshot feature in this mode.
- Switch to one of the other modes prior to measuring hemodynamic or ICP waveforms.

NEURO:

- This mode provides a default for ICP waveform setup.
- The snapshot in this mode will include “P3”. You can change this setting to “P4” if only a “P4 module is available.

MODE	Screen Default	Pressure Module Default	Digit Default	Snapshot Waveform Default
CCTC Gen	Wave 1 ECG 1 Wave 2 P1 Wave 3 P2 Wave 4 P4 Wave 5 Pleth	P1 art line P2 CVP P4 unlabeled	LR NIBP LL T1 To detect PA temp, you must turn on TBlood. This will be added to the next revision.	Wave 1 ECG 1 Wave 2 P2 Wave 3 P1 Wave 4 ECG 2 Wave 5 P4
Swan-Ganz	Wave 1 ECG 1 Wave 2 P1 Wave 3 P2 Wave 4 P4 Wave 5 Pleth	P1 art P4 PAP P2 unlabeled	LL(i) T1 LL(ii) TBlood LR NIBP	Wave 1 ECG 1 Wave 2 P4 Wave 3 ECG 2 Wave 4 P1 Wave 5 P2
CCTC Neuro	Wave 1 ECG 1 Wave 2 P1 Wave 3 P2 Wave 4 P3 Wave 5 Pleth	P1 art P2 CVP P3 ICP	LR NIBP LL T1 To detect PA temp, you must turn on TBlood. This will be added to the next revision	Wave 1 ECG 1 Wave 2 P2 Wave 3 P3 Wave 4 ECG 2 Wave 5 P4
CCTC EEG	Wave 1 ECG 1 Wave 2 P1 Wave 3 P2 Wave 4 P3 Wave 5 Pleth	P1 art P2 CVP P3 ICP	LR NIBP LL T1 To detect PA temp, you must turn on TBlood. This will be added to the next revision	Wave 1 ECG 1 Wave 2 EEG 1 Wave 3 EEG 2 Wave 4 EEG 3 Wave 5 EEG 4 Wave 6 P2

