

Application Note AN-0005

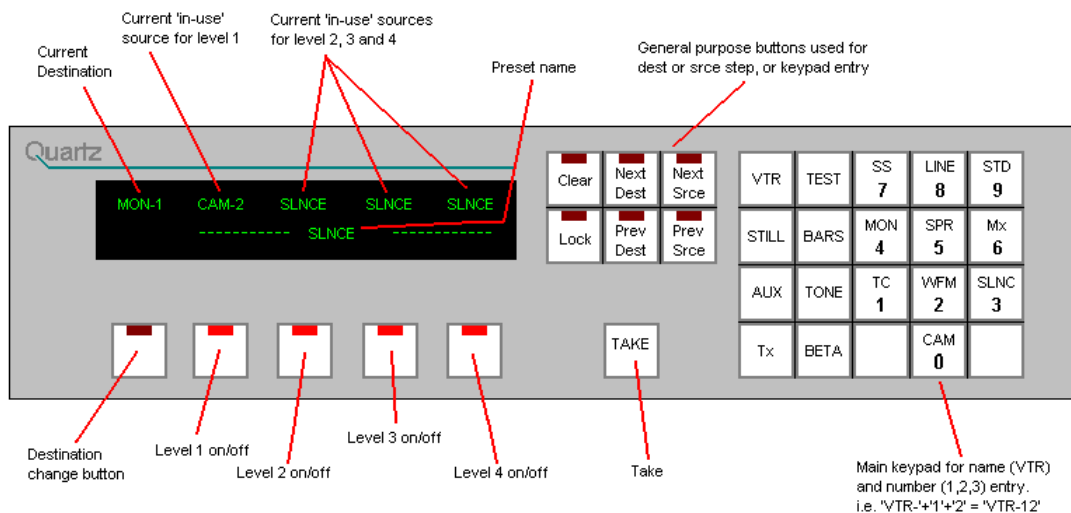
Alpha Numeric Panel Operation

The Quartz range of alphanumeric control panels

CP-3200	Keypad XY panel, with four level displays.
CP-3208	Button-per-crosspoint eight-destination panel
CP-6400	Keypad XY panel, with one level display
CP-6408	Keypad eight destination panel

CP-3200

Normally used as a main XY (destination and source) panel.



Operation is as follows. Select the desired destination by one of two methods.

- 1) Press the destination change button, enter a name, then press the destination change button again, or press take.
- 2) Use the 'next dest' and 'prev dest' buttons to scroll through the available destinations.

Select the desired source by one of two methods.

- 1) Build up the name in the source preset window. Then press take to transfer the preset name to the in-use window and select the route.
- 2) Use the 'next srce' and 'prev srce' buttons to scroll through the available sources.

CP-3200 Display Blanking

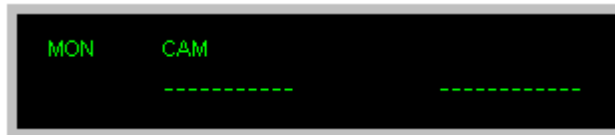
The original CP-3200 software (prior to V1.11 and V4.00) would show CAM in all four level windows regardless of the fact that CAM was a video only source. This operation was improved in Feb 1996 to blank the source displays and/or force a breakaway condition if the source did not apply to all levels.. The exact operation is detailed in the following description that assumes a video and mono audio only system, although the software would work with any combination of levels.

CP-3200 Blanking caused by no physical destination

In a mixed signal system some destinations will have video only signals, some will have both video and audio, and others will be audio only. A typical example of this is shown in the destination name table below, taken from WinSetup.

Destination Definition		
Name	Video	Audio
MON	1	
VTR-1	2	1
DAT		2

All name table destination entries that contain a zero in the level column will blank the display. So selecting MON as the panel destination would show :



This is true under all conditions.

CP-3200 Blanking caused by no physical source

In a mixed signal system some sources will have video only signals, some will have both video and audio, and others will be audio only. A typical example of this is shown in the source name table below, taken from WinSetup.

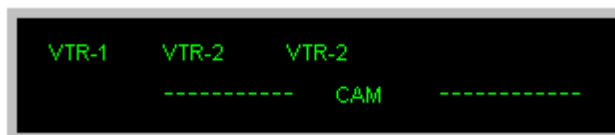
Source Definition		
Name	Video	Audio
CAM	1	
VTR-2	2	1
CD		2

Consider the example of routing CAM to a VTR that has both video and audio inputs. In this case there is no audio associated with CAM so the router can only make the video route. The audio to VTR stays on its earlier selection. All source entries that contain a blank or zero in the level column will be removed from the take. So selecting CAM-1 and pressing take would show

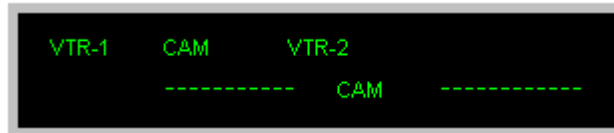
Starting condition



Select CAM in the preset window



Take using CAM



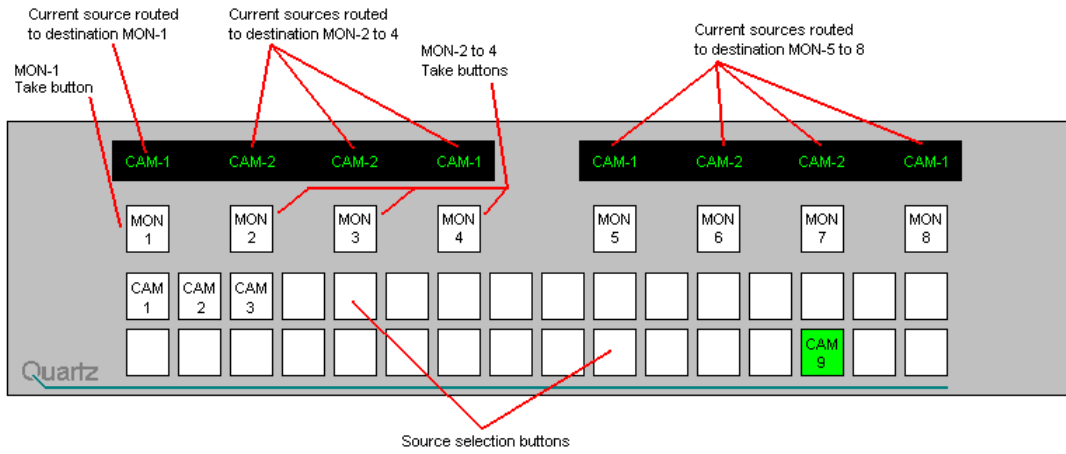
From the above rules it can be seen that selecting a video only destination, and then taking an audio only source will have no effect on the CP-3200 display.

CP-3200 Preview Bus

Normal operation of the CP-3200 is to select a source in the preset window, which has no effect on the router. When a suitable name is displayed, the take button is used to transfer the preset to in-use windows and cause the router to switch. With preview bus, the name selected in the preset window causes a predefined output (the preview bus) to switch to the preset window source. This allow a preview monitor to view the preset source before the take changes the primary router output.

CP-3208

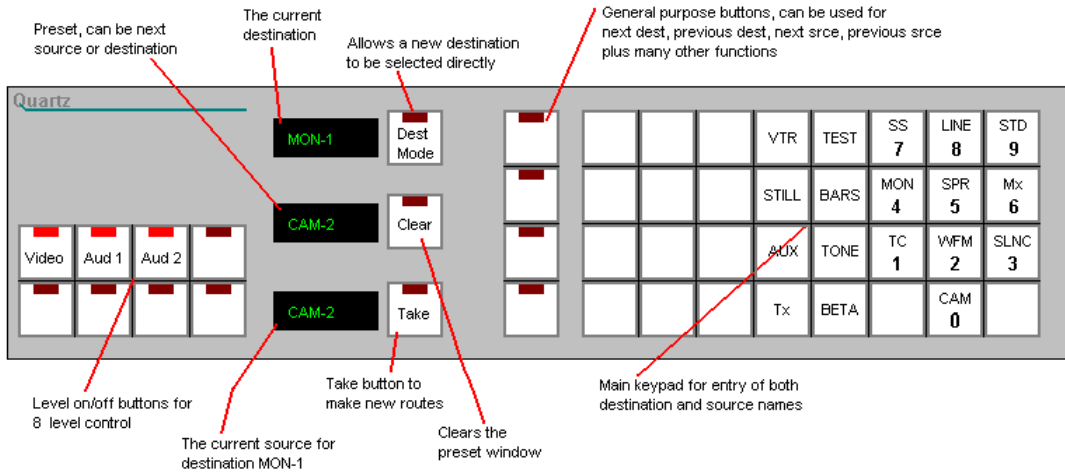
Normally used as an 8-destination panel in transmission area's or for pre-selection to a mixer. This panel is very fast and easy to operate.



Operation is very easy. First select a source button, as shown for CAM-9, then press the destination take button for the desired destination. Take buttons can either de-select the source button after the take for safe operation, or leave it selected ready for the next take.

CP-6400

Normally used as a main XY (destination and source) panel. With its larger keypad this panel is well suited to larger systems.



Operation is as follows. Select the desired destination by one of two methods.

- 1) Press the destination mode button, build up a name in the preset window, then press the destination mode button again, or press take.
- 2) Use the 'next dest' and 'prev dest' buttons to scroll through the available destinations.

Select the desired source by one of two methods.

- 1) Build up the name in the preset window. Then press take to transfer the preset name to the in-use window and select the route.
- 2) Use the 'next srce' and 'prev srce' buttons to scroll through the available sources, then press take.

CP-6408

Normally used as an 2,4,6 or 8-destination panel.

