CP100
Generic Control Panel

The CP100 generic control panel from Tangent Devices provides an ergonomic user interface to any software package that requires a wide range of input controls at the operator's fingertips. More intuitive than using just a pen and tablet, it can increase operator efficiency. Designed with the film and video post production industry in mind, its layout was conceived in close consultation with users. This was combined with over ten years experience that Tangent Devices has in this industry.

Panel Construction:

The panel uses high quality optical shaft encoders and trackerballs. All the displays are VFD, which give superb brightness and viewing angles.

The integral power supply is auto selecting which gives worldwide compatibility.

Built into the panel is an integral mounting lip, which allows the panel to be sunk into a desktop. Alternatively, the panel can be used free standing on the desk resting on its angled under-tray.

Optional fascia colours and materials are available.

All keycaps can be removed and replaced with custom engraved legends.

Knob And Button Pairs:

There are 4 groups of these controls. Each group comprises 3 knob and button pairs. Above each group there is a 2 line by 40-character VFD display.

A typical example for the use of these is for the knob to control a variable with button resetting it. The display above the pair can be used to label the control and provide status information for it.

Button Rows:

There are 3 rows of buttons, each contains 7 buttons, 1 of which is labeled MORE. Above each row there is a 2 line by 40-character VFD display.

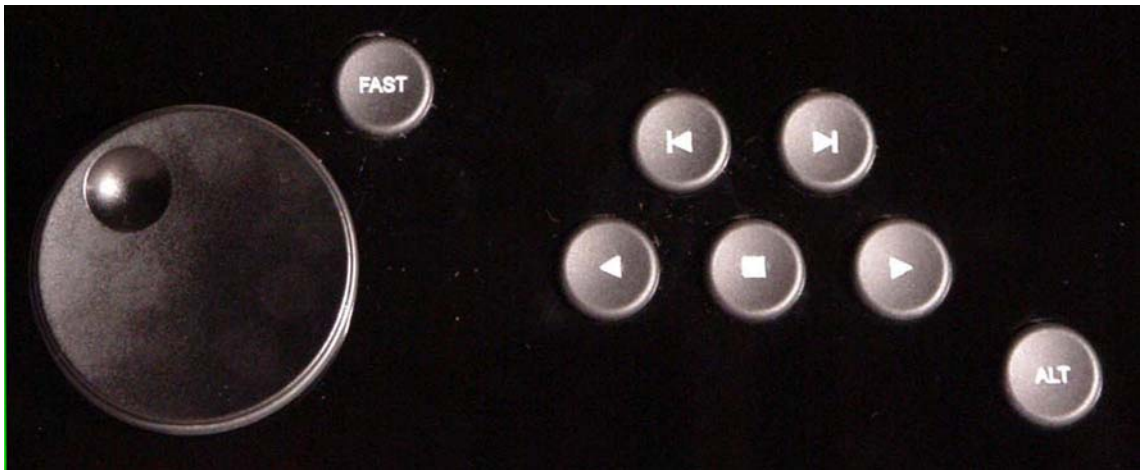
A typical example for the use of these is to use the MORE button to step through banks of controls that have been assigned to the buttons. The display above the buttons can label the controls assigned to them.

Trackerballs And Master Dials:

There are 3 trackerballs, each with a master control dial, 5 buttons (3 of these are labeled as function keys) and a 2 line by 20-character VFD display.

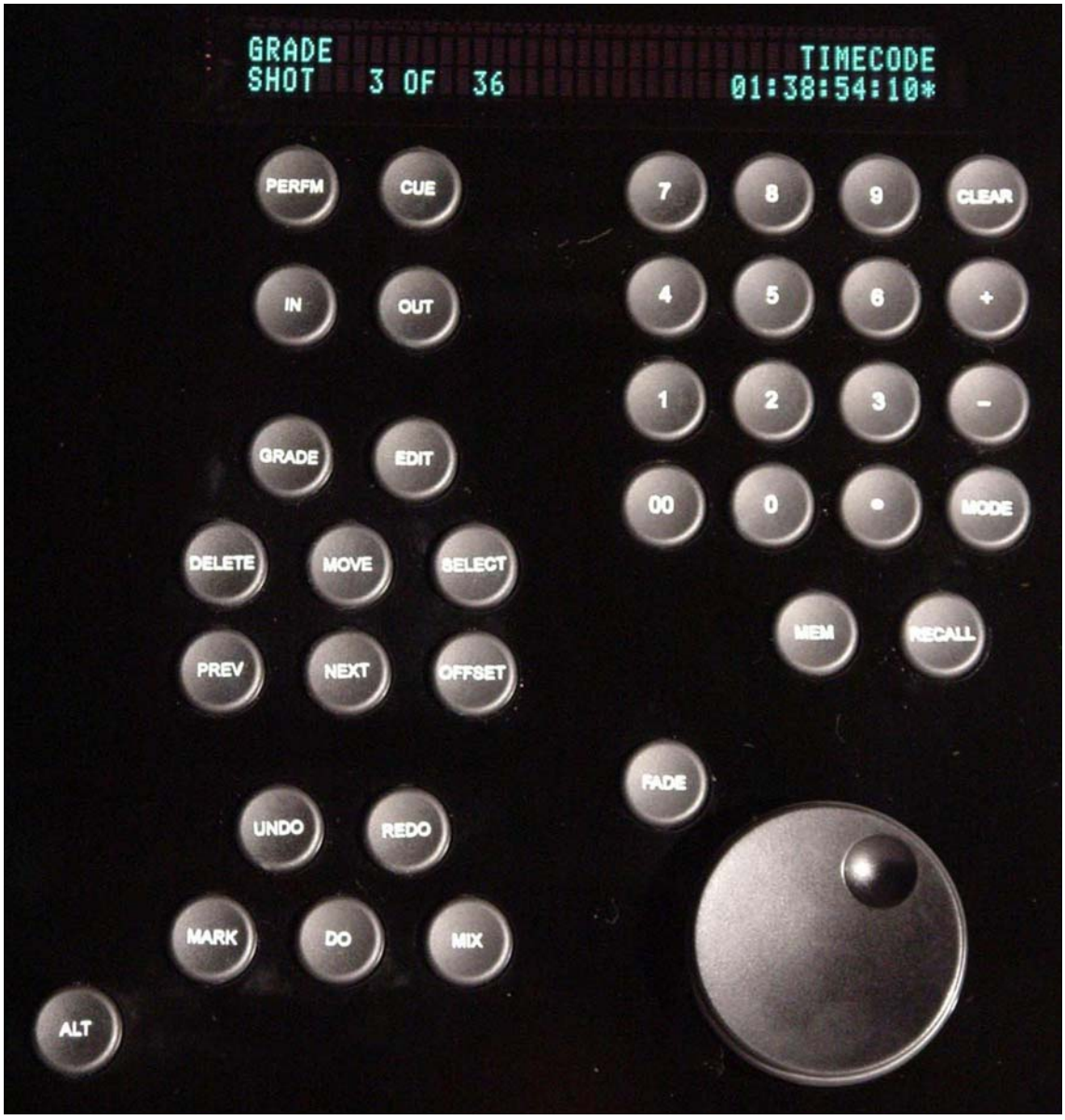
A typical example for the use of these is to control functions where the operator needs to adjust 3 variables simultaneously (e.g. colour correction - YUV or position/size – XYZ). The 2 un-labeled buttons can be used as resets for the controls. Macro functions could be assigned to the 3 function buttons. The display is there to label the controls and provide status information.

Transport Controls:



There are a group of 5 buttons with transport legends (i.e. play, stop etc). Grouped with these is a jog/shuttle dial.

Management Buttons And Numerical Entry Key Pad:



There is a group of 16 buttons laid out as a numerical entry keypad. Additional buttons in this group are labeled as arithmetic functions, decimal point, CLEAR and MODE.

A further 18 buttons are labeled with common functions found in editing and list management such as MARK, CUE, IN, OUT, MEM, RECALL etc.

There is also an additional jog/shuttle dial with this group and a 2 line by 40-character VFD display.

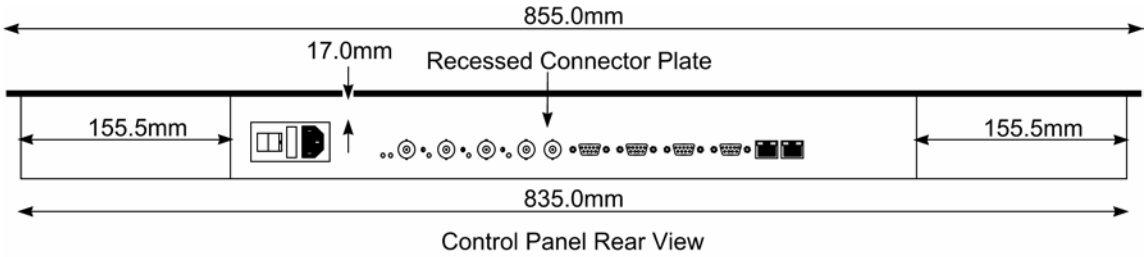
Communications Protocol:

The physical connection to the CP100 is via a standard RJ45 10 Base T Ethernet connection.

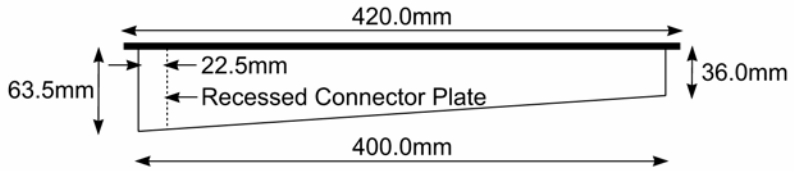
The CP100 uses a simple key-down / key-up and encoder-moved protocol. The host can send text to any of the displays, with the facility for user-defined characters for custom graphics.

For information on custom protocols, please contact Tangent Devices.

Dimensions:



Control Panel Rear View



Control Panel Side View

Note: 10mm lip all round panel.

Contact Details:

For further information on the CP100 generic control panel or any of the other products in the Tangent Devices range then please contact us at:

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