



On-screen Control Operation

This document will describe the operation and functions of the Clinton DS series monitors On-screen controls.



On-screen display on monitor

The on-screen controls can be used by the end user or service personnel to adjust certain parameters.

The on-screen control consists of characters displayed on the screen with a numeric value denoting the position of the control. The controls will operate from 0-255 numerically. The numbers will be different from monitor to monitor due to tolerances in the electronic components.

The on-screen is enabled by depressing the Select button as shown in the picture below. After every push of the select

button the parameter changes. To change the desired parameter use the select button to reach the adjustment and then use the plus or minus buttons to change the parameter. After you have adjusted the display, the on-screen will disappear and at that point a user save has occurred. A User save is a setting done by the customer for a particular location. The user save will not overwrite the factory preset.



Increase (Plus)

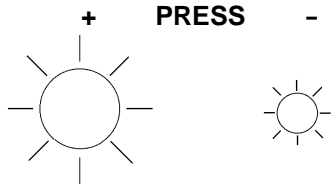
Decrease (Minus)

Select

Controls numbered 3 through 11 are used to adjust the geometric presentation of the image. Because the geomagnetic field varies by location and affects image geometry, you may wish to optimize image geometry for your particular locale.

STANDARD CONTROLS :

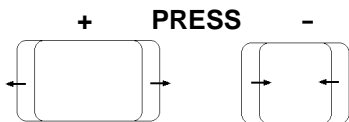
1 . BRIGHT Adjusts the brightness of the screen. Too much brightness may cause the background raster (scanning structure) to appear on the screen and wash out the picture. Too little brightness will suppress dimmer shades of gray (turn them black) in the displayed image.



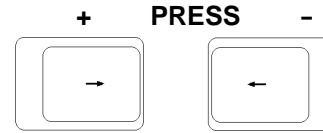
2 . CONTR Adjusts the contrast between the highlights and the background of the image. It also provides proportional changes to all shades of gray relative to the background. Too much contrast may cause image highlights to appear out of focus or smeared; too little contrast may cause the image to appear washed out.



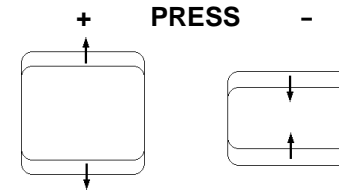
3 . H SIZE Adjusts the width (horizontal size) of the displayed image within the screen area.



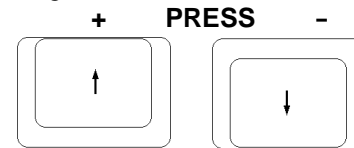
4 . H CENT Adjusts the left-to-right (horizontal) centering of the displayed image within the screen area.



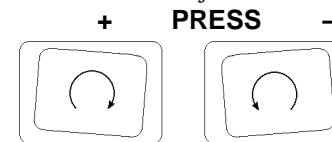
5 . V SIZE Adjusts the height (vertical size) of the displayed image within the screen area.



6 . V CENT Adjusts the top-to-bottom (vertical) centering of the displayed image within the screen area.

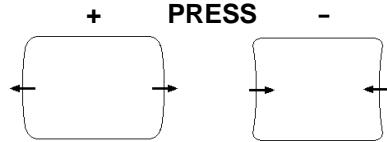


7 . ROTATE Adjusts the rotation of the displayed image within the screen area.

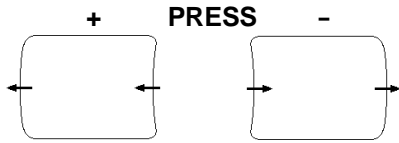


OPTIONAL CONTROLS :

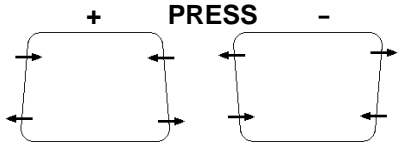
8 · PIN Adjusts curvature (pincushion) at the left and right sides of the image. Both sides become more convex or more concave simultaneously.



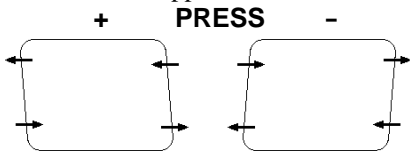
9 · BOW Adjusts curvature at the left and right sides of the image. One side becomes more convex as the other becomes more concave.



10 · TRAP Adjusts relative angular orientation of the left and right sides of the image. The two sides appear to tilt in opposite directions (trapezoidal effect).



11 · SKEW Adjusts angular orientation of the left and right sides of the image. The two sides appear to tilt in the same direction.



12 · RESET Holding the top button down for approximately 7 seconds will reset all controls to the original factory settings.

13 · Lock / Unlock: The On-screen controls can be disabled by following the steps listed below.

Lock: Using the select button, depress until Skew is displayed on the screen. Then press and hold the select button down for 7 seconds. This will disable the on-screen controls

Unlock: Depress the select button 5 times holding the button down on the fifth time for 7 seconds to re-enable the on-screen controls.