

**Topic:** Preferred Use of C/Port Reset Button  
**Component(s) Affected:** C/Ports, Blades  
**Date:** March 15, 2006

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## OVERVIEW / ENVIRONMENT

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ClearCube C/Ports provide a reset button that sends a reset signal to the Blade. This Technical Bulletin describes the recommended usage of the reset button.

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## DETAILED DESCRIPTION

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ClearCube C/Ports provide a reset button on the back of the C/Port. This button does not reset the C/Port. Instead, it sends a signal to the Blade that resets the Blade.

This reset signal does not go directly to the Blade's main processor. This signal is received by a microcontroller on the Blade called the BPIC. The BPIC issues a set of signals that ensure the orderly restart of all systems on the Blade, even when the Blade is locked or frozen. One of these signals also resets the BPIC, which takes approximately two seconds. This process is not visible at the C/Port, as the Blade's restart masks this action. If the BPIC receives another reset signal before its own reset sequence is completed, unpredictable results can occur.

In some cases, the BPIC can become unable to send the correct reset sequence to the Blade. When this occurs, the only resolution is to physically unplug the Blade from the Cage, re-insert it, and verify a correct power-on sequence.

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## RESOLUTION

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To ensure proper reset of a Blade using the C/Port reset button, press the reset button ONCE and hold it in until the Blade appears to reset. Some C/Ports have a three-second reset delay, so on the first attempt to reset, press and hold the reset button for at least three seconds or until the Blade appears to reset.

If nothing appears to happen, wait at least ten seconds before retrying.

For more information, please contact ClearCube technical support.

[support@clearcube.com](mailto:support@clearcube.com)  
[support.clearcube.com](http://support.clearcube.com)  
(866) 652-3400  
+1 (512) 652-3400

Email address for ClearCube Technical Support  
ClearCube Support Website  
Direct line in the US  
Direct line from outside the US