

FFV Utility User Manual

Revision 1.0

# Revision History

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| --- | --- | --- | --- |
| Name | Date | Reason For Changes | Version |
| Bruce Yang | 08/13/2013 | First Version  Add:  Util\_boot\_to\_post.vbs  Util\_boot\_to\_post\_ctrl\_v.vbs  Util\_input\_y.vbs  Util\_fixed\_serdes\_check.py | 1.0 |
| Bruce Yang | 08/22/2013 | Revise Util\_powercycle.py |  |
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# Overview

This is a user manual for all FFV utilities.

# Utilities

## Util\_boot\_to\_post.vbs ([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

Run in SecureCRT

1. Function

This utility is used to lead a system to boot to POST. The password used is “MVP\_12” which is of the highest privilege. No Ctrl\_V will be keyed so the details of the alphabet will not be printed

## Util\_boot\_to\_post\_ctrl\_v.vbs([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

Run in SecureCRT

1. Function

This utility is used to lead a system to boot to POST. The password used is “MVP\_12” which is of the highest privilege. Ctrl\_V will be keyed so the details of the alphabet will be printed

## Util\_input\_y.vbs ([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

Run in SecureCRT

1. Function

This utility can be used in auto-flash process and get-SEL process, it will input ‘y’ when the console asks for input.

Should note that if the script is used in auto-flash case, it will update all the images

## Util\_input\_y\_for\_version\_change.vbs ([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

Not Ready

1. Function

## Util\_fixed\_serdes\_checking.py ([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

Run in command line.

This script relies on the ATOMPost.py module and ATOMSerial.py module. These two modules should be put in the same folder of this utility.

**-----------------------------------------------------------**

**Usage: SerDes.py [options] arg1 arg2**

**Options:**

**-h, --help show this help message and exit**

**-p PLATFORM, --platform=PLATFORM**

**platform**

**-s SERIAL, --serial=SERIAL**

**the serial port number of the system**

**-b BINARY, --binary=BINARY**

**the bin file of the SerDes setting**

**-B BAUDRATE, --baudrate=BAUDRATE**

**the baudrate of the com port**

**------------------------------------------------------------**

1. Function

It will read all SerDes register values and compare with the expected values given by the FWB image.

## Util\_powercycle.py ([Bruce.Yang@emc.com](mailto:Bruce.Yang@emc.com))

1. Usage

This script can be used in two ways.

* 1. Command line

**-------------------------------------------------------------**

**Usage: Util\_powercycle.py [options] arg1 arg2**

**Options:**

**-h, --help show this help message and exit**

**-n STRPORTNAME, --name=STRPORTNAME The port name. If this is assigned, the port number will be ignored**

**-p STRPORTNUMBER, --port=STRPORTNUMBER The port number to be controlled. Separated by ','**

**-i STRAPCIP, --ip=STRAPCIP The APC IP**

**----------------------------------------------------------**

* 1. Double Click

If the script is used in this way, the utility will let user input information based on the prompt.

Example:

**-------------------------------------------------------------**

**Input APC IP (e.g. 192.168.1.201): 192.168.1.201**

**Choose 1(input port name) or 2(input port numbers) or q(quit): 1**

**Input port name: Beachcomber**

**Completed**

**Save script(y/n)?y**

**Input file name:BeachcomberPowercycle.py**

**Success**

**Exit**

**-------------------------------------------------------------**

1. Function
   1. This script can be used to perform power cycle on target ports.
   2. The script can record the user input and create a new script for the user’s special case.

As for the above example, the new script

**BeachcomberPowercycle.py**

can perform a power cycle on the ports which are connected to the beachcomber.