



California Instruments

**Asterion Series
AC/DC Power Source
Model: AST6003**

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1 ADDENDUM

1.1 ADDENDUM SCOPE

This addendum presents the detailed steps involved to enable or disable the legacy CSW5550 emulation feature in an AST6003 unit. Also, this presents the limitations of the AST unit emulated as CSW.

1.2 REFERENCE DOCUMENT

Standard Asterion Series 4U User Manual, M330510-02, REV-C
Standard CSW series AC user manual, M162084-01, REV-V

1.3 GENERAL DESCRIPTION

The Emulated Asterion Series 4U model as CSW has the same features, specifications, and performance characteristics as the standard CSW 5550. Applicable differences are referred in Section 1.6

1.4 SPECIFICATIONS

Refer to the standard Asterion Series 4U User Manual, M330000-02 REV-D for common specifications.

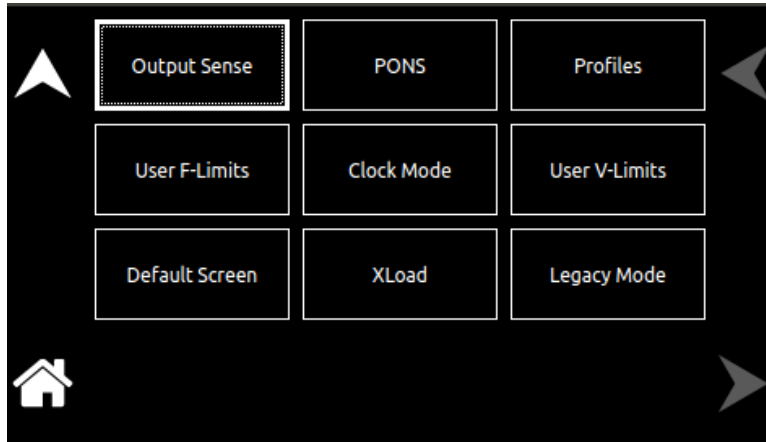
Refer to the standard CSW series AC user manual, M162084-01, REV-V for CSW specifications

The following paragraphs present the procedure for emulating the Asterion as CSW.

1.5 PROCEDURE

1.5.1 FOLLOW THE STEPS TO ENABLE CSW EMULATION THROUGH FRONT PANEL.

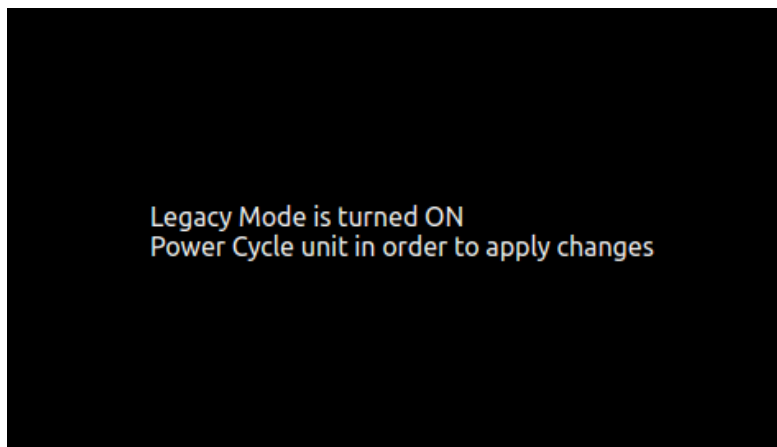
- Navigate to configuration screen, select legacy mode:



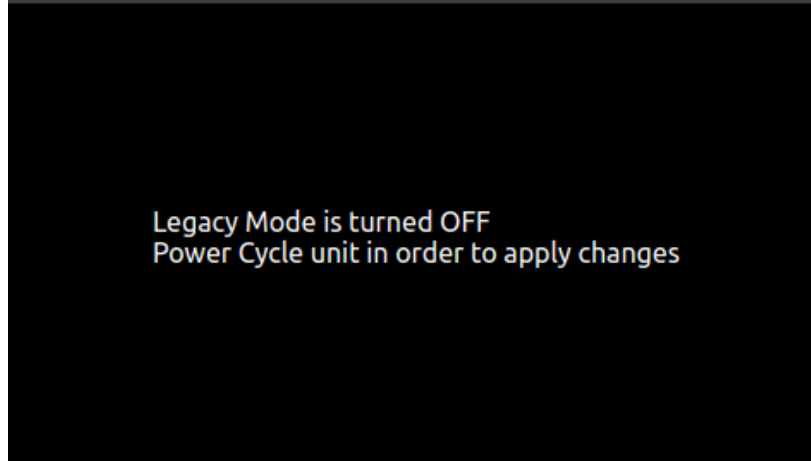
- Select the CSW option in the “Legacy Mode Setting” Screen.



- Once the CSW legacy mode is turned ON, a message will be prompted to recycle the unit.



- Similarly, the legacy mode can be turned off to fall back to the AST unit by selectin the “AST” option in the “Legacy Mode Setting” Screen. Following message will be prompted to recycle the unit.



1.5.2 FOLLOW THE STEPS TO ENABLE CSW EMULATION THROUGH SCPI COMMANDS:

- Send the command “**SYST:LEG 1**”. Legacy mode is enabled with this command.
- Send the command “**SYST:LEG:MOD CSW**”. AST 6003 will be emulated as CSW5550.
- To apply the applicable changes, power cycle the unit.
- To revert back the unit to AST, send the SCPI command “**SYST:LEG 0**”. Power cycle the unit.

1.6 DIFFERENCES

Following are the differences of the CSW emulated AST unit as compared to that of actual CSW unit.

- **Front Panel differences:**

Front Panel Feature	CSW	AST emulated as CSW	Alternate approach
MIL-704 Tests	Available	Not Available	Use Virtual Panels GUI
DO160 Tests	Available	Not Available	Use Virtual Panels GUI
IEC-411	Available	Not Available	Use Virtual Panels GUI
IEC-413	Available	Not Available	Use Virtual Panels GUI

- **SCPI differences:**

“**SYST:TEMP**” SCPI command is not support AST emulated as CSW unit as the AST controller doesn’t have the temperature sensor to support this command.

