

American Power Conversion
MasterSwitch Plus
www.apc.com
RelnotesMSP262.txt

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Affected Revision Levels:

apc_hw02_aos_264.bin	NMC Operating System & TCP/IP Stack
apc_hw02_msp_262.bin	MasterSwitch Plus application

For details on upgrading the Management Card's firmware, see the Addendum (.\doc\addendum.pdf).

Device IP Configuration Wizard:

The Wizard is a Windows application designed specifically for discovery of unconfigured Network Management Cards and devices that contain embedded Network Management Cards. The Wizard configures only the basic TCP/IP settings.

You can then use the MasterSwitch Plus's user interface to perform the remaining configuration, or you can export user configuration file settings from a configured MasterSwitch Plus to one or more unconfigured ones, as described in the user's guide. The Wizard runs on Windows 2000, Windows XP and Windows NT 4.0 Intel-based workstations. The Wizard is available as a free download from the APC FTP site and on the CD. For FTP downloads, log in as anonymous and supply your e-mail address.

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1.0 OS & TCP/IP Stack Modifications (apc_hw02_aos_264.bin)

1.1 COMPATIBILITY

apc_hw02_msp_262.bin MasterSwitch Plus application

1.2 KNOWN ISSUES IN THIS VERSION

1. Reported Anomaly: SCP upload of certificates may fail.

Disposition: Fix planned for a future release.

2. Reported Anomaly: Upgrades to AOS firmware later than version 2.0.2 fails.

Disposition: To upgrade a MasterSwitch Plus from an AOS version 2.0.1 or earlier to an AOS

version later than 2.0.2, you must first upgrade to AOS version 2.0.2.

3. Reported Anomaly: "Reset to Defaults" does not change the baud rate to its default value of 2400 baud.

Disposition: A fix is planned for a future release.

4. Reported Anomaly: The MasterSwitch Plus logs error "Ran out of simple heap" and warmstarts

after the completion of SSL/3DES and SSHv2 generates the keys and certificates, log into FTP and 'get' the config.ini file. Then use the Web to transfer the same config.ini file to the MasterSwitch Plus.

Disposition: Reboot the MasterSwitch Plus after an SSL and SSH keys and certificates are

generated before uploading the config.ini file. A fix is planned for a future release.

5. Reported Anomaly: Unknown compatibility with Windows XP SP2.

Disposition: Upon availability from Microsoft this service pack will be tested for compatibility.

1.3 NEW FEATURES & ENHANCEMENTS

- 1. Support for PowerNet MIB 3.6.8.

1.4 BUGS FIXED IN THIS VERSION

- 1. Various UI enhancements.

2.0 This section intentionally left blank.

3.0 MasterSwitch Plus application (apc_hw02_msp_262.bin)

3.1 COMPATIBILITY

apc_hw02_aos_264.bin NMC OS & TCP/IP Stack

See OS & TCP/IP Stack Modifications (apc_hw02_aos_261.bin) for a list of modifications and enhancements that affect this application version but are not repeated here.

3.2 KNOWN ISSUES IN THIS VERSION

1. Symptom: Telnet and web user interface has some minor aesthetic issues.
Cause/Remedy: Fix planned for a future release.
2. Symptom: The Web allows the user to change the password without confirmation.
Cause/Remedy: Fix planned for a future release.
3. Symptom: The Web interface is inaccessible if the http and https ports are configured to the same port number. Cause/Remedy: Fix planned for a future release.

3.3 NEW FEATURES & ENHANCEMENTS

1. Security (SSL/SSH/SCP)
2. Data Logging
3. Scheduling
4. Auto-Configuration (config.ini) capability

3.4 BUGS FIXED IN THIS VERSION

1. Syslog functionality did not work properly.
2. Various Outlet User Management bugs
3. Inability to configure various Outlet settings, including "Remain Off" for Power On Delay & "Never" or "On Runtime remain" for Low Batt Warn Cntrl.

3.5 MISCELLANEOUS

1. The DATA LOG functionality only applies when an EXTERNAL Environmental Monitoring unit is included in the UPS-Link daisy-chain with the MasterSwitch Plus.
2. When an input contact fault condition is recognized by the MUPS/MSP, the fault processing (in it's entirety) will take place even if the condition is cleared immediately. Upon completion of the fault processing, the fault-cleared processing will take place if the fault is cleared.
3. When the MasterSwitch Plus(MSP)has a Contact Disabled, it tells MSP internal processor that the contact is NOT faulted. If the MSP internal processor is resetToDefaults via the MSP master menu(Network Management Card removed, connected serially), the default MSP processor state is FAULTED. After the MSP internal

processor

is reset to defaults, if an outlet is mapped to the contact alarm then the outlet will

start changing state although it appears to be DISABLED on the Masterswitch Plus Network

Card. This is because it is actually FAULTED from the MSP internal processor point of

view. To correct the situation, you need to enable the contact on Network Management

Card(NMC), to sync up the NMC and MSP.

4. Auto-Config (ini file) functionality may take several minutes to complete when more than

one MasterSwitch Plus is in the chain.

4.0 APC Device IP Configuration Wizard v3.0.1

4.1 COMPATIBILITY

AP9606 aos_321.bin and prior Web/SNMP Card OS & TCP/IP Stack

AP9617/18/19 apc_hw02_aos_253.bin and prior NMC OS & TCP/IP Stack

4.2 KNOWN ISSUES IN THIS VERSION

1. Reported Anomaly: The installation process, help document and the IP Wizard has some minor aesthetic issues.

Disposition: A fix is planned for a future release.

4.3 NEW FEATURES & ENHANCEMENTS

1. Removed the configuration support for AP9606 NMC and mass firmware upgrade support.

2. Added support for basic IP address configuration for all models of the NMC (AP9606, AP9617, AP9618 and AP9619).

3. Enhanced pdf help format.

5.0 Miscellaneous

5.1 Recovering from a Lost Password

Please see the ./doc/usersguide.pdf for instructions on how to recover from a lost password should it become unknown.

5.2 PowerNet MIB User's Guide

Please check APC's web site at www.apc.com for the latest version of the PowerNet MIB User's Guide.