

Smart -UPS SMTL Series Firmware Release Notes

Revision Information:

Rev.	Date	Remark
1.0	4-Feb-2024	Initial Version. Including Smart-UPS SMTL ID 1026, ID 1047 and ID 1064 Firmware Release Notes

Table of Contents

Smart -UPS SMTL Series Firmware Release Notes 1

Revision Information:..... 1

Introduction 2

Firmware Revision: UPS 01.8..... 3

Firmware Revision: UPS 01.3..... 4

Firmware Revision: UPS 15.5 and UPS 16.5 5

Firmware Revision: UPS 15.1 and UPS 16.1 6

Firmware Revision: UPS 15.0 and UPS 16.0 7

Firmware Revision: UPS 02.9..... 8

Firmware Revision: UPS 02.0..... 9

Firmware Revision: UPS 01.3..... 10

Firmware Revision: UPS 01.0..... 10

Compatibility 10

Introduction

These release notes describe the version numbers that are applicable to UPS models that correspond with the relevant firmware. These models are SMTL series which includes SMTL ID1026, SMTL ID1047 and SMTL1064. The applicable SKUs are listed in their respective section.

Firmware Revision: UPS 01.8

ID Number	Firmware Revision
1064	UPS 01.8
Applicable SKUs	
SMTL: SMTL750RM2UC, SMTL1000RM2UC, SMTL1500RM3UC, SMTL1500RM3UCNC, SMTL1500RMI3U, SMTL1500RMI3UC, DLTL1500RM3UC, DLTL1500RMI3UC, SMTL2200RMI2UC, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL2200RMI2UCNC, SMTL3000RMI2UC, SMTL3000RMI2UCNC, SMTL3000RM2UC, SMTL3000RM2UCNC.	
Change logs	
<ol style="list-style-type: none">1. Increase the detection of the USB D- signal to escape the “suspended” <p>Note: The Smart -UPS Firmware Upgrade Wizard tool always includes the latest firmware and helps you to upgrade to the UPS code via serial (RS232) port. For more information on the tool, see FA279197.</p>	

Firmware Revision: UPS 01.3

ID Number	Firmware Revision
1064	Initial Released Version: UPS 01.3
Applicable SKUs	
<p>SMTL: SMTL750RM2UC, SMTL1000RM2UC, SMTL1500RM3UC, SMTL1500RM3UCNC, SMTL1500RMI3U, SMTL1500RMI3UC, DLTL1500RM3UC, DLTL1500RMI3UC, SMTL2200RMI2UC, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL2200RMI2UCNC, SMTL3000RMI2UC, SMTL3000RMI2UCNC, SMTL3000RM2UC, SMTL3000RM2UCNC.</p> <p>Note: This revision enables the SHA-1 128 bits hash to connect to the new cloud server.</p>	
Change logs	
No changes currently applicable.	

Firmware Revision: UPS 15.5 and UPS 16.5

ID Number	Firmware Revision
1026	UPS. 15.5
1047	UPS. 16.5
Applicable SKUs	
SMTL: SMTL1000RM2UC, SMTL1000RMI2U, SMTL1000RMI2UC, SMTL1500RM3UC, SMTL1500RMI3U, SMTL1500RMI3UNC, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL3000RM2UC, SMTL3000RM2UCNC, SMTL750RM2UC, SMTL750RMI2U, SMTL750RMI2UC, DLTL1500RMI3UC, SMTL1500RMI3UC, SMTL1000RM2UCNC, SMTL1500RM3UCNC, DLTL1500RM3UC, SMTL750RM2UCNC, SMTL2K2R2C-NB, SMTL2K2R2CNC-NB, SMTL3KR2C-NB, SMTL3KR2CNC-NB, SMTL2K2R2CLNC-NB.	
Note: This revision provides enhanced network data security protection via the mechanisms below to prevent malicious firmware from being upgraded to the UPS through communication interface ports (including RJ45).	
Change logs	
<ol style="list-style-type: none">1. Increase the detection of the USB D- signal to escape the “suspended” Note: The Smart -UPS Firmware Upgrade Wizard tool always includes the latest firmware and helps you to upgrade to the UPS code via serial (RS232) port. For more information on the tool, see FA279197 .	

Firmware Revision: UPS 15.1 and UPS 16.1

ID Number	Firmware Revision
1026	UPS 15.1
1047	UPS 16.1
Applicable SKUs	
<p>SMTL: SMTL1000RM2UC, SMTL1000RMI2U, SMTL1000RMI2UC, SMTL1500RM3UC, SMTL1500RMI3U, SMTL1500RMI3UNC, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL3000RM2UC, SMTL3000RM2UCNC, SMTL750RM2UC, SMTL750RMI2U, SMTL750RMI2UC, DLTL1500RMI3UC, SMTL1500RMI3UC, SMTL1000RM2UCNC, SMTL1500RM3UCNC, DLTL1500RM3UC, SMTL750RM2UCNC, SMTL2K2R2C-NB, SMTL2K2R2CNC-NB, SMTL3KR2C-NB, SMTL3KR2CNC-NB, SMTL2K2R2CLNC-NB.</p> <p>Note: This revision provides enhanced network data security protection via the mechanisms below to prevent malicious firmware from being upgraded to the UPS through communication interface ports (including RJ45).</p>	
Change logs	
<ol style="list-style-type: none">1. The mechanism of firmware signing has been added to the code to protect the UPS from malicious firmware upgrades. Thus, re-enabling firmware upgrade via NMC.2. “Firmware Update Interfaces” has been added to the LCD under Menu > Configuration. You can now decide if firmware upgrades can be enabled through the designated communication ports.3. The TLS used for SmartConnect has been updated to MbedTLS for enhanced cybersecurity. <p>Note: The Smart -UPS Firmware Upgrade Wizard tool always includes the latest firmware and helps you to upgrade to the UPS code via serial (RS232) port. For more information on the tool, see FA279197.</p>	

Firmware Revision: UPS 15.0 and UPS 16.0

ID Number	Firmware Revision
1026	UPS 15.0
1047	Initial Released Version: UPS 16.0
Applicable SKUs	
<p>SMTL: SMTL1000RM2UC, SMTL1000RMI2U, SMTL1000RMI2UC, SMTL1500RM3UC, SMTL1500RMI3U, SMTL1500RMI3UNC, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL3000RM2UC, SMTL3000RM2UCNC, SMTL750RM2UC, SMTL750RMI2U, SMTL750RMI2UC, DLTL1500RMI3UC, SMTL1500RMI3UC, SMTL1000RM2UCNC, SMTL1500RM3UCNC, DLTL1500RM3UC, SMTL750RM2UCNC, SMTL2K2R2C-NB, SMTL2K2R2CNC-NB, SMTL3KR2C-NB, SMTL3KR2CNC-NB, SMTL2K2R2CLNC-NB.</p> <p>Note: This revision includes remediations for the security vulnerabilities listed as CVE-2022-22805, CVE-2022-22806 and CVE-2202-0715 which if compromised, may allow for potential unauthorized access and control of your UPS device.</p>	
Change logs	
<ol style="list-style-type: none">1. UPS disability function has been implemented to disable your UPS firmware upgrades via NMC. This will mitigate the potential risk of malicious UPS firmware being passed through this channel.2. The UPS firmware code has been enhanced for protection against vulnerabilities of an unauthorized extraction of confidential firmware and unauthorized network access to SmartConnect UPS devices.	

Firmware Revision: UPS 02.9

ID Number	Firmware Revision
1026	UPS 02.9
Applicable SKUs	
SMTL: SMTL750RM2UCNC, SMTL750RM2UC, SMTL1000RM2UC, SMTL1000RM2UCNC,SMTL1500RM3UC, SMTL1500RM3UCNC, DLT1500RM3UC, SMTL750RMI2UC, SMTL750RMI2UNC, SMTL1000RMI2U, SMTL750RMI2U, DLT1500RMI3UC,SMTL1500RMI3UC, SMTL3000RM2UC, SMTL3000RM2UCNC, SMTL3KRM2UCL, SMTL3KRM2UCLNC, SMTL3KR2C-NB, SMTL3KR2CNC-NB, SMTL2200RM2UC, SMTL2200RM2UCNC, SMTL2K2RM2UCL, SMTL2K2RM2UCLNC, SMTL2K2R2C-NB, SMTL2K2R2CNC-NB,	
Change logs	
<ol style="list-style-type: none">1. Information revised in VoltageACSetting usage.2. Information revised in UPSStatusChangeCause usage.3. Sequence improvement on exiting Green Mode.4. Add new SKUs support.	

Firmware Revision: UPS 02.0

ID Number	Firmware Revision
1026	UPS 02.0
Applicable SKUs	
SMTL: SMTL750RM2UCNC, SMTL750RM2UC, SMTL1000RM2UC, SMTL1000RM2UCNC,SMTL1500RM3UC, SMTL1500RM3UCNC, DLT1500RM3UC, SMTL750RMI2UC, SMTL750RMI2UNC, SMTL1000RMI2U, SMTL750RMI2U, DLT1500RMI3UC,SMTL1500RMI3UC.	
Change logs	
<ol style="list-style-type: none">1. Add support for 230 International SKUs.2. the ethernet cable connection in setup wizard for non-SmartConnect SKUs.3. Hided Smart Connect Status display for non-SmartConnect SKUs.4. Improve runtime algorithm.5. Fix the SoC display issue in status menu.	

Firmware Revision: UPS 01.3

ID Number	Firmware Revision
1026	UPS 01.3
Applicable SKUs	
SMTL: SMTL750RM2UC, SMTL1500RM3UC	
Change logs	
<ol style="list-style-type: none">1. Added compatibility for SMTL750RM2UC.2. Added support for Modbus over TCP on SmartConnect port.3. Improved behavior with USB HID driver.4. Updates to the LCD menu translations for improved clarity.5. Improved the reporting of temperature in °F on LCD.6. Improved the behavior of system during a transfer back to utility power.	

Firmware Revision: UPS 01.0

ID Number	Firmware Revision
1026	Initial Released Version: UPS 01.0
Applicable SKUs	
SMTL: SMTL1500RM3UC	

Compatibility

- AP9613 Dry Contact Version Next Gen Relay IO card 2.1
- AP9620 LCC Version 3.0
- AP9624 (Second Gen Interface Expander Card) v1.0X
- AP9631/AP9630 card APP SUMX 6.2.1, AOS 6.2.1
- AP9635 CH / AP9631card APP SUMX 6.4.6, AOS 6.4.6
- AP9635 CH card APP SUMX 6.4.0, AOS 6.4.0
- PowerChute Business Edition v9.2
- FUW (Firmware Upgrade Wizard) Tool v4.1.1