Network UPS Tool layout for Tripp Lite USB HID compatible UPS Systems

Information report using UBUNTU 12.04 LTS, WINDOWS 7 Professional, OpenSuse 11.4, OpenSuse 12.3, and Fedora 17.

SMART1000LCD SM8794

upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.runtime | 4050 |
| battery.type | PbAC |
| battery.voltage | 13.5 |
| battery.voltage.nominal | 12.0 |
| device.mfr | Tripp Lite |
| device.model | Tripp Lite UPS |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.3 |
| driver.version.data | TrippLite HID 0.6 |
| driver.version.internal | 0.35 |
| input.frequency | 60.1 |
| input.voltage | 119.0 |
| input.voltage.nominal | 120 |
| output.frequency.nominal | 60 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.mfr | Tripp Lite |
| ups.model | Tripp Lite UPS |
| ups.power.nominal | 1000 |
| ups.productid | 2010 |
| ups.status | OL |
| ups.test.result | Done and passed |
| ups.timer.reboot | 65535 |
| ups.timer.shutdown | 65535 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

SMART1000LCD instant commands  
Instant commands supported on UPS [tripplite]:  
  
beeper.disable - Disable the UPS beeper  
beeper.enable - Enable the UPS beeper  
beeper.mute - Temporarily mute the UPS beeper  
beeper.off - Obsolete (use beeper.disable or beeper.mute)  
beeper.on - Obsolete (use beeper.enable)  
load.off - Turn off the load immediately  
load.off.delay - Turn off the load with a delay (seconds)  
reset.watchdog - Reset watchdog timer  
shutdown.reboot - Shut down the load briefly while rebooting the UPS  
shutdown.stop - Stop a shutdown in progress  
test.battery.start.deep - Start a deep battery test  
test.battery.start.quick - Start a quick battery test  
test.battery.stop - Stop the battery test

SU1500RTXLCD2U 4004 Status and control data  
upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.charge.low | 20 |
| battery.charge.warning | 20 |
| battery.runtime | 62985 |
| battery.temperature | 26.9 |
| battery.type | PbAc |
| battery.voltage | 54.0 |
| battery.voltage.nominal | 48.0 |
| device.mfr | TRIPPLITE |
| device.model | TRIPPLITE UPS |
| device.serial | 2148ALCPS795100005 |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.3 |
| driver.version.data | TrippLite HID 0.6 |
| driver.version.internal | 0.35 |
| input.frequency | 59.9 |
| input.transfer.high | 150.0 |
| input.transfer.high.max | 150 |
| input.transfer.high.min | 145 |
| input.transfer.low | 55.0 |
| input.transfer.low.max | 60 |
| input.transfer.low.min | 55 |
| input.voltage | 121.0 |
| input.voltage.nominal | 100 |
| output.current | 0.00 |
| output.frequency | 59.9 |
| output.frequency.nominal | 60 |
| output.voltage | 100.0 |
| output.voltage.nominal | 100 |
| ups.beeper.status | disabled |
| ups.delay.shutdown | 20 |
| ups.delay.start | 30 |
| ups.load | 0 |
| ups.mfr | TRIPPLITE |
| ups.model | TRIPPLITE UPS |
| ups.power | 0.0 |
| ups.power.nominal | 1500 |
| ups.productid | 4004 |
| ups.serial | 2148ALCPS795100005 |
| ups.status | OL |
| ups.test.result | Done and passed |
| ups.timer.reboot | 0 |
| ups.timer.shutdown | -1 |
| ups.timer.start | 0 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |
|  |  |

[nut@VBUNTU1:/etc/init.d$](mailto:nut@VBUNTU1:/etc/init.d$) upscmd -l tripplite  
Instant commands supported on UPS [tripplite]:

|  |  |
| --- | --- |
| beeper.disable | Disable the UPS beeper |
| beeper.enable | Enable the UPS beeper |
| beeper.mute | Temporarily mute the UPS beeper |
| beeper.off | Obsolete (use beeper.disable or beeper.mute) |
| beeper.on | Obsolete (use beeper.enable) |
| load.off | Turn off the load immediately |
| load.off.delay | Turn off the load with a delay (seconds) |
| load.on | Turn on the load immediately |
| load.on.delay | Turn on the load with a delay (seconds) |
| reset.watchdog | Reset watchdog timer |
| shutdown.reboot | Shut down the load briefly while rebooting the UPS |
| shutdown.return | Turn off the load and return when power is back |
| shutdown.stayoff | Turn off the load and remain off |
| shutdown.stop | Stop a shutdown in progress |
| test.battery.start.deep | Start a deep battery test |
| test.battery.start.quick | Start a quick battery test |
| test.battery.stop | Stop the battery test |
|  |  |

[nut@VBUNTU1:/etc/init.d$](mailto:nut@VBUNTU1:/etc/init.d$) upsrw tripplite@localhost  
[battery.charge.low]  
Remaining battery level when UPS switches to LB (percent)  
Type: STRING  
Value: 20  
  
[input.transfer.high]  
High voltage transfer point (V)  
Type: STRING  
Value: 150.0  
  
[input.transfer.low]  
Low voltage transfer point (V)  
Type: STRING  
Value: 55.0  
  
[ups.delay.shutdown]  
Interval to wait after shutdown with delay command (seconds)  
Type: STRING  
Value: 20  
  
[ups.delay.start]  
Interval to wait before (re)starting the load (seconds)  
Type: STRING  
Value: 30

SMART1500LCDT SM8719; 3016 protocol; 2252BVLSM871901940

UBUNTU 12.04 LTS

 nut@VBUNTU1:/sbin$ upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.charge.low | 10 |
| battery.charge.warning | 30 |
| battery.runtime | 10800 |
| battery.type | PbAC |
| battery.voltage | 0.0 |
| battery.voltage.nominal | 24.0 |
| device.mfr | Tripp Lite |
| device.model | TRIPP LITE UPS |
| device.serial | CCSYWWZZZZ |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.parameter.productid | 3016 |
| driver.version | 2.6.3 |
| driver.version.data | TrippLite HID 0.6 |
| driver.version.internal | 0.35 |
| input.frequency | 5990.0 |
| input.transfer.high | 150.0 |
| input.transfer.low | 92.0 |
| input.voltage | 0.0 |
| input.voltage.nominal | 120 |
| output.current | 0.00 |
| output.frequency | 5990.0 |
| output.frequency.nominal | 60 |
| output.voltage | 0.0 |
| output.voltage.nominal | 120 |
| ups.beeper.status | disabled |
| ups.delay.shutdown | 20 |
| ups.delay.start | 30 |
| ups.load | 0 |
| ups.mfr | Tripp Lite |
| ups.model | TRIPP LITE UPS |
| ups.power | 0.0 |
| ups.power.nominal | 1500 |
| ups.productid | 3016 |
| ups.serial | CCSYWWZZZZ |
| ups.status | OL |
| ups.timer.reboot | 65535 |
| ups.timer.shutdown | 65535 |
| ups.timer.start | 65535 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

nut@VBUNTU1:/sbin$ upscmd -l tripplite  
Instant commands supported on UPS [tripplite]:  
  
beeper.disable - Disable the UPS beeper  
beeper.enable - Enable the UPS beeper  
beeper.mute - Temporarily mute the UPS beeper  
beeper.off - Obsolete (use beeper.disable or beeper.mute)  
beeper.on - Obsolete (use beeper.enable)  
load.off - Turn off the load immediately  
load.off.delay - Turn off the load with a delay (seconds)  
load.on - Turn on the load immediately  
load.on.delay - Turn on the load with a delay (seconds)  
reset.watchdog - Reset watchdog timer  
shutdown.reboot - Shut down the load briefly while rebooting the UPS  
shutdown.return - Turn off the load and return when power is back  
shutdown.stayoff - Turn off the load and remain off  
shutdown.stop - Stop a shutdown in progress

nut@VBUNTU1:/sbin$ upsrw tripplite@localhost  
[battery.charge.low]  
Remaining battery level when UPS switches to LB (percent)  
Type: STRING  
Value: 10  
  
[input.transfer.high]  
High voltage transfer point (V)  
Type: STRING  
Value: 150.0  
  
[input.transfer.low]  
Low voltage transfer point (V)  
Type: STRING  
Value: 92.0  
  
[ups.delay.shutdown]  
Interval to wait after shutdown with delay command (seconds)  
Type: STRING  
Value: 20  
  
[ups.delay.start]  
Interval to wait before (re)starting the load (seconds)  
Type: STRING  
Value: 30

ECO850LCD

C:\Program Files (x86)\NUT\bin>upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.runtime | 4730 |
| battery.type | PbAC |
| battery.voltage | 14.2 |
| battery.voltage.nominal | 12.0 |
| device.mfr | Tripp Lite |
| device.model | Tripp Lite UPS |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.5-3780M |
| driver.version.data | TrippLite HID 0.8 |
| driver.version.internal | 0.37 |
| input.frequency | 59.8 |
| input.voltage | 119.6 |
| input.voltage.nominal | 120 |
| output.frequency.nominal | 60 |
| output.voltage | 119.6 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.load | 0 |
| ups.mfr | Tripp Lite |
| ups.model | Tripp Lite UPS |
| ups.power | 0.0 |
| ups.power.nominal | 850 |
| ups.productid | 2011 |
| ups.status | OL |
| ups.timer.reboot | 65535 |
| ups.timer.shutdown | 65535 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

C:\Program Files (x86)\NUT\bin>upscmd -l tripplite

Instant commands supported on UPS [tripplite]:

beeper.disable - Disable the UPS beeper

beeper.enable - Enable the UPS beeper

beeper.mute - Temporarily mute the UPS beeper

beeper.off - Obsolete (use beeper.disable or beeper.mute)

beeper.on - Obsolete (use beeper.enable)

load.off - Turn off the load immediately

load.off.delay - Turn off the load with a delay (seconds)

reset.watchdog - Reset watchdog timer

shutdown.reboot - Shut down the load briefly while rebooting the UPS

shutdown.stop - Stop a shutdown in progress

test.battery.start.deep - Start a deep battery test

test.battery.start.quick - Start a quick battery test

test.battery.stop - Stop the battery test

C:\Program Files (x86)\NUT\bin>upsrw tripplite@localhost

[ups.delay.shutdown]

Interval to wait after shutdown with delay command (seconds)

Type: STRING

Value: 20

SMART750SLT (3010)

C:\Program Files (x86)\NUT\bin>upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.charge.low | 10 |
| battery.charge.warning | 30 |
| battery.runtime | 9362 |
| battery.temperature | 42.9 |
| battery.type | PbAc |
| battery.voltage | 27.7 |
| battery.voltage.nominal | 24.0 |
| device.mfr | TRIPP LITE |
| device.model | SMART750SLT |
| device.serial | 9652ALCSM519900051 |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.5-3780M |
| driver.version.data | TrippLite HID 0.8 |
| driver.version.internal | 0.37 |
| input.frequency | 59.9 |
| input.transfer.high | 145.0 |
| input.transfer.low | 83.0 |
| input.voltage | 120.9 |
| input.voltage.nominal | 120 |
| output.frequency | 0.0 |
| output.frequency.nominal | 60 |
| output.voltage | 0.0 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.delay.start | 30 |
| ups.firmware | 50 |
| ups.mfr | TRIPP LITE |
| ups.model | SMART750SLT |
| ups.power.nominal | 750 |
| ups.productid | 3010 |
| ups.serial | 9652ALCSM519900051 |
| ups.status | OL |
| ups.timer.reboot | -1 |
| ups.timer.shutdown | -1 |
| ups.timer.start | -1 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

C:\Program Files (x86)\NUT\bin>upscmd -l tripplite

Instant commands supported on UPS [tripplite]:

beeper.disable - Disable the UPS beeper

beeper.enable - Enable the UPS beeper

beeper.mute - Temporarily mute the UPS beeper

beeper.off - Obsolete (use beeper.disable or beeper.mute)

beeper.on - Obsolete (use beeper.enable)

load.off - Turn off the load immediately

load.off.delay - Turn off the load with a delay (seconds)

load.on - Turn on the load immediately

load.on.delay - Turn on the load with a delay (seconds)

reset.watchdog - Reset watchdog timer

shutdown.reboot - Shut down the load briefly while rebooting the UPS

shutdown.return - Turn off the load and return when power is back

shutdown.stayoff - Turn off the load and remain off

shutdown.stop - Stop a shutdown in progress

test.battery.start.deep - Start a deep battery test

test.battery.start.quick - Start a quick battery test

test.battery.stop - Stop the battery test

C:\Program Files (x86)\NUT\bin>upsrw tripplite@localhost

[battery.charge.low]

Remaining battery level when UPS switches to LB (percent)

Type: STRING

Value: 10

[input.transfer.high]

High voltage transfer point (V)

Type: STRING

Value: 145.0

[input.transfer.low]

Low voltage transfer point (V)

Type: STRING

Value: 83.0

[ups.delay.shutdown]

Interval to wait after shutdown with delay command (seconds)

Type: STRING

Value: 20

[ups.delay.start]

Interval to wait before (re)starting the load (seconds)

Type: STRING

Value: 30

SU1500RTXL2UA (4004)

C:\Program Files (x86)\NUT\bin>Network UPS Tools - Generic HID driver 0.37 (2.6.

5-3780M)

USB communication driver 0.31

Using subdriver: TrippLite HID 0.8

C:\Program Files (x86)\NUT\bin>upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.charge.low | 25 |
| battery.charge.warning | 50 |
| battery.temperature | 28.9 |
| battery.type | PbAc |
| battery.voltage | 51.9 |
| battery.voltage.nominal | 48.0 |
| device.mfr | Tripp Lite |
| device.model | TRIPP LITE U |
| device.serial |  |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.5-3780M |
| driver.version.data | TrippLite HID 0.8 |
| driver.version.internal | 0.37 |
| input.frequency | 59.9 |
| input.transfer.high | 138.0 |
| input.transfer.high.max | 138 |
| input.transfer.high.min | 133 |
| input.transfer.low | 65.0 |
| input.transfer.low.max | 70 |
| input.transfer.low.min | 65 |
| input.voltage | 123.6 |
| input.voltage.nominal | 120 |
| output.current | 0.00 |
| output.frequency | 59.9 |
| output.frequency.nominal | 60 |
| output.voltage | 120.2 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.delay.start | 30 |
| ups.firmware | 240 |
| ups.load | 0 |
| ups.mfr | Tripp Lite |
| ups.model | TRIPP LITE U |
| ups.power | 0.0 |
| ups.power.nominal | 1500 |
| ups.productid | 4004 |
| ups.serial |  |
| ups.status | OL |
| ups.timer.reboot | -1 |
| ups.timer.shutdown | -1 |
| ups.timer.start | 0 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

C:\Program Files (x86)\NUT\bin>upscmd -l tripplite

Instant commands supported on UPS [tripplite]:

beeper.disable - Disable the UPS beeper

beeper.enable - Enable the UPS beeper

beeper.mute - Temporarily mute the UPS beeper

beeper.off - Obsolete (use beeper.disable or beeper.mute)

beeper.on - Obsolete (use beeper.enable)

load.off - Turn off the load immediately

load.off.delay - Turn off the load with a delay (seconds)

load.on - Turn on the load immediately

load.on.delay - Turn on the load with a delay (seconds)

reset.watchdog - Reset watchdog timer

shutdown.reboot - Shut down the load briefly while rebooting the UPS

shutdown.return - Turn off the load and return when power is back

shutdown.stayoff - Turn off the load and remain off

shutdown.stop - Stop a shutdown in progress

test.battery.start.deep - Start a deep battery test

test.battery.start.quick - Start a quick battery test

test.battery.stop - Stop the battery test

C:\Program Files (x86)\NUT\bin>upsrw tripplite@localhost

[battery.charge.low]

Remaining battery level when UPS switches to LB (percent)

Type: STRING

Value: 25

[input.transfer.high]

High voltage transfer point (V)

Type: STRING

Value: 138.0

[input.transfer.low]

Low voltage transfer point (V)

Type: STRING

Value: 65.0

[ups.delay.shutdown]

Interval to wait after shutdown with delay command (seconds)

Type: STRING

Value: 20

[ups.delay.start]

Interval to wait before (re)starting the load (seconds)

Type: STRING

Value: 30

ECO350UPS (BC7058) 1008

C:\Program Files (x86)\NUT\bin>upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 94 |
| battery.runtime | 1181 |
| battery.type | PbAc |
| battery.voltage.nominal | 12.0 |
| device.mfr | Tripp Lite |
| device.model | TRIPP LITE UPS |
| device.serial | FW-2408 B |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.5-3780M |
| driver.version.data | TrippLite HID 0.8 |
| driver.version.internal | 0.37 |
| input.voltage.nominal | 120 |
| output.frequency.nominal | 60 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.mfr | Tripp Lite |
| ups.model | TRIPP LITE UPS |
| ups.power.nominal | 350 |
| ups.productid | 1008 |
| ups.serial | FW-2408 B |
| ups.status | OL CHRG |
| ups.timer.shutdown | 65535 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |

C:\Program Files (x86)\NUT\bin>upscmd -l tripplite

Instant commands supported on UPS [tripplite]:

beeper.disable - Disable the UPS beeper

beeper.enable - Enable the UPS beeper

beeper.mute - Temporarily mute the UPS beeper

beeper.off - Obsolete (use beeper.disable or beeper.mute)

beeper.on - Obsolete (use beeper.enable)

load.off - Turn off the load immediately

load.off.delay - Turn off the load with a delay (seconds)

reset.watchdog - Reset watchdog timer

shutdown.reboot - Shut down the load briefly while rebooting the UPS

shutdown.stop - Stop a shutdown in progress

test.battery.start.deep - Start a deep battery test

test.battery.start.quick - Start a quick battery test

test.battery.stop - Stop the battery test

C:\Program Files (x86)\NUT\bin>upsrw tripplite@localhost

[ups.delay.shutdown]

Interval to wait after shutdown with delay command (seconds)

Type: STRING

Value: 20

SMART1000LCD SM7076 (2007)

C:\Program Files (x86)\NUT\bin>upsc tripplite@localhost

|  |  |
| --- | --- |
| battery.charge | 100 |
| battery.runtime | 5760 |
| battery.type | PbAc |
| battery.voltage | 13.5 |
| battery.voltage.nominal | 12.0 |
| device.mfr | Tripp Lite |
| device.model | TRIPP LITE UPS |
| device.part | ? |
| device.serial | FW-2263 E |
| device.type | ups |
| driver.name | usbhid-ups |
| driver.parameter.pollfreq | 30 |
| driver.parameter.pollinterval | 2 |
| driver.parameter.port | auto |
| driver.version | 2.6.5-3780M |
| driver.version.data | TrippLite HID 0.8 |
| driver.version.internal | 0.37 |
| input.frequency | 59.8 |
| input.voltage | 122.2 |
| input.voltage.nominal | 120 |
| output.frequency.nominal | 60 |
| output.voltage | 1222.0 |
| output.voltage.nominal | 120 |
| ups.beeper.status | enabled |
| ups.delay.shutdown | 20 |
| ups.mfr | Tripp Lite |
| ups.model | TRIPP LITE UPS |
| ups.power.nominal | 1000 |
| ups.productid | 2007 |
| ups.serial | FW-2263 E |
| ups.status | OL CHRG |
| ups.timer.reboot | 65535 |
| ups.timer.shutdown | 65535 |
| ups.vendorid | 09ae |
| ups.watchdog.status | 0 |
|  |  |

C:\Program Files (x86)\NUT\bin>upscmd -l tripplite

Instant commands supported on UPS [tripplite]:

beeper.disable - Disable the UPS beeper

beeper.enable - Enable the UPS beeper

beeper.mute - Temporarily mute the UPS beeper

beeper.off - Obsolete (use beeper.disable or beeper.mute)

beeper.on - Obsolete (use beeper.enable)

load.off - Turn off the load immediately

load.off.delay - Turn off the load with a delay (seconds)

reset.watchdog - Reset watchdog timer

shutdown.reboot - Shut down the load briefly while rebooting the UPS

shutdown.stop - Stop a shutdown in progress

test.battery.start.deep - Start a deep battery test

test.battery.start.quick - Start a quick battery test

test.battery.stop - Stop the battery test

C:\Program Files (x86)\NUT\bin>upsrw tripplite@localhost

[ups.delay.shutdown]

Interval to wait after shutdown with delay command (seconds)

Type: STRING

Value: 20