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$ 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$ 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