

# Setup UPS Backup with Back-UPS ES 750

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## Overview

Model: Back-UPS ES 750



## Battery Details

| Specification | Detail |
|---------------|--------|
|---------------|--------|

|           |                                                                                   |
|-----------|-----------------------------------------------------------------------------------|
| Image     |  |
| Part      | AJC-D7S                                                                           |
| Voltage   | 12v                                                                               |
| Capacity  | 7Ah                                                                               |
| Type      | Sealed Lead Acid (AGM)                                                            |
| Terminals | F2                                                                                |
| Length    | 5.94 in                                                                           |
| Width     | 2.56 in                                                                           |
| Height    | 3.7 in                                                                            |
| Weight    | 4.5 lbs                                                                           |

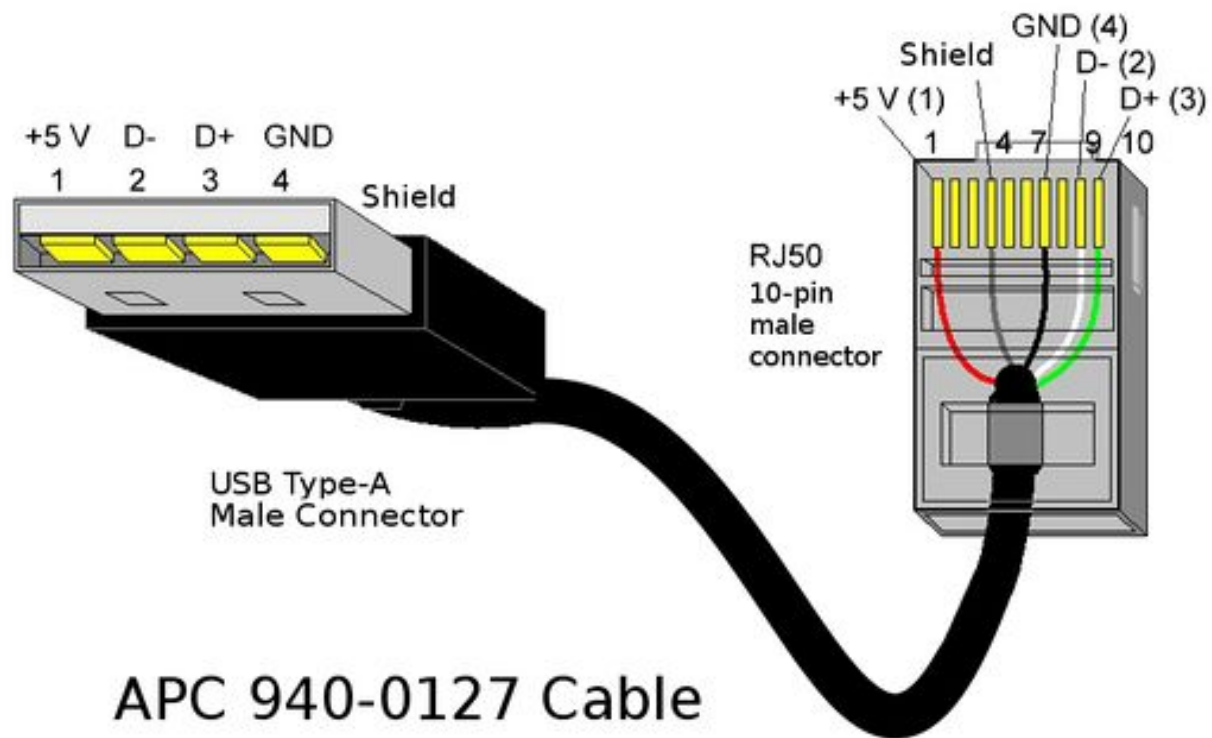
## USB Cable

**Part:** AP9827

The USBUPS06 6-foot Smart UPS Replacement USB Cable features 1 USB Type 'A' (male) connector and 1 10-Pin RJ45 male connector, allowing you to communicate from your computer, work station or server to your UPS power supply.

Our affordable and cost-effective USB UPS cable can be used as a direct replacement to the AP9827, providing you with the same capabilities at an inexpensive price.

[https://www.amazon.ca/StarTech-com-USBUPS06-Replacement-AP9827-6-Feet/dp/B004DVEWHY/ref=sr\\_1\\_4?dchild=1&keywords=startech.com+6ft+smart+ups+replacement+usb+cable+ap9827&qid=1629651544&s=electronics&sr=1-4](https://www.amazon.ca/StarTech-com-USBUPS06-Replacement-AP9827-6-Feet/dp/B004DVEWHY/ref=sr_1_4?dchild=1&keywords=startech.com+6ft+smart+ups+replacement+usb+cable+ap9827&qid=1629651544&s=electronics&sr=1-4)



APC 940-0127 Cable

## Software Setup

See [NUT - Network UPS Tools](#) for alternative software.

<https://sandilands.info/sgordon/using-apcupsd-to-trigger-ubuntu-shutdown-from-ups>

<https://www.pontikis.net/blog/apc-ups-master-slave-setup-apcupsd>

### Master (connected by USB)

Install apcupsd

```
$ sudo apt-get install apcupsd
```

Edit the configuration

```
$ sudo vi /etc/apcupsd/apcupsd.conf
```

Set the following values

```
UPSNAME MyUPS
```

```
UPSCABLE usb  
UPSTYPE usb  
DEVICE
```

```
NETSERVER on  
NISIP 0.0.0.0  
NISPORT 3551  
#NISPORT 3493
```

```
# If during a power failure, the remaining battery percentage  
# (as reported by the UPS) is below or equal to BATTERYLEVEL,  
# apcupsd will initiate a system shutdown.  
BATTERYLEVEL 50
```

```
# If during a power failure, the remaining runtime in minutes  
# (as calculated internally by the UPS) is below or equal to MINUTES,  
# apcupsd, will initiate a system shutdown.  
MINUTES 10
```

Restart apcupsd

```
$ /etc/init.d/apcupsd restart
```

Test local configuration

```
$ apcaccess status
```

```
APC      : 001,036,0860  
DATE     : 2021-08-23 15:54:25 -0400  
HOSTNAME : deepthought  
VERSION  : 3.14.14 (31 May 2016) debian  
UPSNAME  : MehanUPS  
CABLE    : USB Cable  
DRIVER   : USB UPS Driver  
UPSMODE  : Stand Alone  
STARTTIME: 2021-08-23 15:44:07 -0400  
MODEL    : Back-UPS ES 750  
STATUS   : ONLINE  
...  
END APC  : 2021-08-23 15:54:30 -0400
```

Test the network connection

```
$ apcaccess status 192.168.1.50:3551
```

## Network Slaves

Install apcupsd

```
$ sudo apt-get install apcupsd
```

Edit the configuration

```
$ sudo vi /etc/apcupsd/apcupsd.conf
```

Set the following values

```
UPSCABLE ether
UPSTYPE net
#DEVICE <masterIP>:<port>
DEVICE 192.168.1.50:3551

# If during a power failure, the remaining battery percentage
# (as reported by the UPS) is below or equal to BATTERYLEVEL,
# apcupsd will initiate a system shutdown.
BATTERYLEVEL 50

# If during a power failure, the remaining runtime in minutes
# (as calculated internally by the UPS) is below or equal to MINUTES,
# apcupsd, will initiate a system shutdown.
MINUTES 10
```

Restart apcupsd

```
$ /etc/init.d/apcupsd restart
```

Test local configuration

```
$ apcaccess status
```

```
APC      : 001,036,0917
DATE     : 2021-08-23 16:05:50 -0400
HOSTNAME : nas0
VERSION  : 3.14.10 (13 September 2011) debian
UPSNAME  : MehanUPS
CABLE    : Ethernet Link
DRIVER   : Back-UPS ES 750
UPSMODE  : Stand Alone
STARTTIME: 2021-08-23 16:01:50 -0400
MASTERUPD: 2021-08-23 16:05:50 -0400
MASTER   : 192.168.1.50:3551
STATUS   : ONLINE SLAVE
LINEV    : 121.0 Volts
LOADPCT  : 13.0 Percent Load Capacity
BCHARGE  : 100.0 Percent
TIMELEFT : 13.6 Minutes
MBATTCHG : 0 Percent
MINTIMEL : 3 Minutes
MAXTIME  : 0 Seconds
SENSE    : Medium
LOTRANS  : 092.0 Volts
HITRANS  : 139.0 Volts
BATTV    : 13.6 Volts
LASTXFER : Low line voltage
NUMXFERS : 0
TONBATT  : 0 seconds
CUMONBATT: 0 seconds
XOFFBATT : N/A
SELFTEST : NO
STATFLAG : 0x07000408 Status Flag
SERIALNO : 5B1036T73179
BATTDATE : 2010-09-05
NOMINV   : 120 Volts
NOMBATTV : 12.0 Volts
NOMPOWER : 450 Watts
FIRMWARE : 841.I3 .D USB FW:I3
END APC  : 2021-08-23 16:06:39 -0400
```

## References

| Reference                                                                  | URL                                                                                                                                                                               |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual                                                                     | <a href="#">BE750G.pdf</a>                                                                                                                                                        |
|                                                                            | <a href="#">SCON-89HM8Q_R4_EN (1).pdf</a>                                                                                                                                         |
| Using apcupsd to Trigger Ubuntu Shutdown from UPS                          | <a href="https://sandilands.info/sgordon/using-apcupsd-to-trigger-ubuntu-shutdown-from-ups">https://sandilands.info/sgordon/using-apcupsd-to-trigger-ubuntu-shutdown-from-ups</a> |
| apcupsd                                                                    | <a href="https://wiki.ubuntu.com/apcupsd">https://wiki.ubuntu.com/apcupsd</a>                                                                                                     |
| How to Use APC UPS with Two or More Computers – apcupsd Master Slave Setup | <a href="https://www.pontikis.net/blog/apc-ups-master-slave-setup-apcupsd">https://www.pontikis.net/blog/apc-ups-master-slave-setup-apcupsd</a>                                   |
| NUT - Network UPS Tools                                                    | <a href="https://networkupstools.org/download.html">https://networkupstools.org/download.html</a>                                                                                 |