

INTRODUCTION

Thank you for purchasing a Belkin Uninterruptible Power Supply (UPS). Each year, several natural and man made occurrences put the power supplied to your electronics in your home or office in jeopardy. At risk are your hardware, software and data because of these power problems.

IMPORTANT SAFETY INSTRUCTIONS

Please save this manual!

It contains important operating instructions and warranty information pertaining to your UPS.

Please save or recycle the packaging materials!

The UPS packaging was designed with great care to provide protection during shipment and delivery. These materials are invaluable if you ever have to return the UPS for service. Damage sustained during transit is not covered under the warranty.

Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CONTENTS

You should have received the following:

- 1 – UPS unit
- 1 – Bulldog Plus Shutdown Software
- 1 – USB Cable
- 1 – Phone Line Cable
- 1 – Coaxial Cable (only F6B550-USB model).

SYSTEM REQUIREMENTS

The UPS can be used without the software and can be used with any computer using up to a 17" CRT or LCD monitor. Also, you do not have to have the software installed to utilize the battery backup outlets.

To fully utilize the UPS and its software, your computer must be able to operate the following operating systems: Windows98/ ME /NT4 / 2000 /2003 /XP and have a USB port.

UPS FEATURES AND FUNCTIONS

Before installation, please inspect the UPS upon receipt. Make sure that nothing is damaged.

Your UPS features 3 LED indicators. Each is marked by a power icon; please familiarize yourself with this chart, as it will assist you in the use of your UPS. (See #4 on Diagram 1)


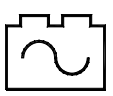

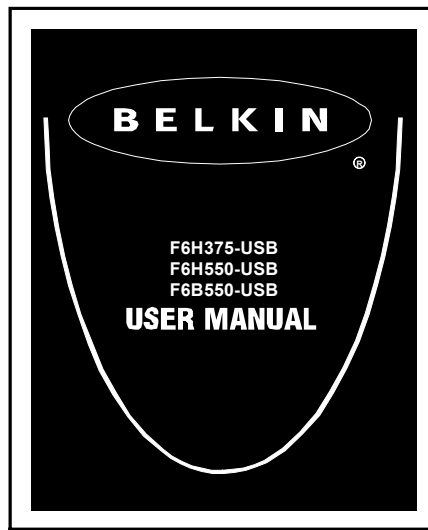
Indicator	Condition	Description
 ON-LINE	○ Solid Green	The UPS is operating and supplying the utility power to connect loads.
	⚡ Flashing Yellow	When the UPS is operating from battery: 1. The light is blinking every 10 seconds if the UPS is operating on battery mode. 2. The light illuminates rapidly every 1 second if the UPS's battery is very nearly depleted.
	○ Solid Yellow	When the UPS is operating and supplying the utility power to connect loads, the LED and buzzer will flash and emit every 1 minute if the UPS's battery needs to be replaced.
 SITE WIRING FAULT	○ Solid Red	The Site Wiring fault LED will illuminate when one of the following conditions exist: 1. Open or high resistance ground 2. Hot and neutral polarities reversal

Chart 1



TOP PANEL

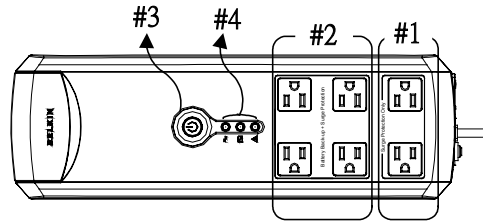


Diagram 1

- SURGE Protected outlets (See #1 on Diagram 1)**
These outlets do not provide power during a power outage. Do not plug any surge protectors or power strips into the battery back-up outlets (i.e. daisy chaining).
Equipment such as computer peripherals, printers, fax machine's, or a desk lamp may be plugged into these outlets. The On/Off button does not control these outlets.
- UPS Outlets (See #2 on Diagram 1)**
These outlets are your battery back up outlets. We strongly recommend that only sensitive equipment such as your computer and monitor should be plugged into these outlets.
Caution ! Never connect a laser printer or scanner to the backup outlets of UPS with other computer equipment. A laser printer or scanner draws significantly more power when in use than when sitting idle. This may overload the UPS.

Should a power outage occur, your battery backup would automatically turn on Power (utility or battery) is not supplied to these outlets when the UPS is switched off.

- The On/Off button has 4 functions: (See #3 on Diagram 1)
 - Turns on the UPS. Depress button at least 2 seconds. The green light will come on.
 - Cold start function. Assuming the battery is charged the UPS will work without it being plugged into an outlet. Depress and hold the key for at least 2 seconds to turn on the UPS.
 - Silence function. During "On Battery Mode", the audible sound can be turned "ON" or "OFF" by depressing the switch less than 1.5 seconds.
 - Battery test function. During "ON Line Mode", depressing the switch less than 1.5 seconds and the UPS performs a battery test in back up mode.

SIDE PANEL

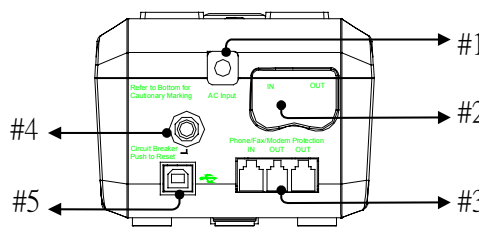


Diagram 2

- AC Input Power Cord (See #1 on Diagram 2)
Provides power to your UPS.
- Audio/ Video surge protection port (see #2 on Diagram 2) (Only F6B550-USB model)
The Audio/ Video cable is surge protected. There is one input port and one output port.
- Phone/ Fax/ Modem Surge Protection (See #3 on Diagram 2)
The Phone/ Fax/Modem lines are surge protected. There is one input jack and two output jacks. This allows you to split one telephone connection to two separate devices.
- AC Breaker (Circuit Breaker; See #4 on Diagram 2)
Should a power overload occur, the circuit breaker would trigger the UPS to turn off AC power. In order to restore the power, depress the circuit breaker button to reset, then depress the Power button.
- USB communication port (see #5 on Diagram 2)
Your UPS features a USB communication port. Installation of the cable and software is optional. This allows the UPS to connect to your computer. The Bulldog Software will not work if the UPS is not connected to your computer. This does not mean the battery backup feature will not work without the software and cable installed. The UPS will still provide backup power but you will be unable to utilize the data management capabilities of the software.

ALARMS

BACK UP (Slow Alarm)

When in "BACK UP" on battery mode, the YELLOW LED illuminates and the UPS emits an audible alarm. The alarm stops when the UPS returns to ONLINE normal operation.

LOW BATTERY (Rapid Alarm)

In "BACK UP" mode, when the battery energy runs low, the UPS beeps rapidly until the UPS shuts from a depleted battery or returns to LINE NORMAL operation.

FAULT (10 Seconds Continuously)

When the UPS occur fault, the UPS emits an audible alarm for 10 seconds continuously to warn of a fault condition. Disconnect the equipment prior to checking the equipment.

INSTALLATION

Note!

Before installation, please inspect the UPS Upon receipt. Make sure that everything inside the package is not damaged.

A) Connect to AC Utility Power

- Connect the AC inlet to utility power via the power cord. Please make sure there are no devices plugged into the UPS unit. Check to see if the "Site Wiring Fault" indicator is lit or not. If it is lit, please have the utility wiring inspected by an electrician.



B) Charge the Battery

- For best results, charge the battery for 8 hours prior to initial use. The UPS charges its battery whenever it is connected to the utility power.

C) Turn on the UPS

- Turn on your UPS by depressing the On/Off button for approximately 2 seconds. You will see the green indicator light come on.

D) Plug in Power Devices

- Plug your devices into the AC outlets on the UPS. To use the UPS as a master on/off switch, make sure all of the loads are switched on.
Caution: Never connect a laser printer or scanner to the backup outlets of UPS with other computer equipment. A laser printer or scanner draws significantly more power when in use than when idles. This may overload the UPS.



Laser Printer

E) Connect the phone/ fax/ modem lines

- Connect a single phone / fax/ modem line into the surge protected sockets on the side of the UPS. The RJ-11 modular sockets accept standard single line telephone connections.
- Plug one end of the phone cable you received into your telephone wall jack and plug the other end into the jack marked IN. You may now plug a phone, fax or modem into the two jacks marked OUT. (See Diagram 3)

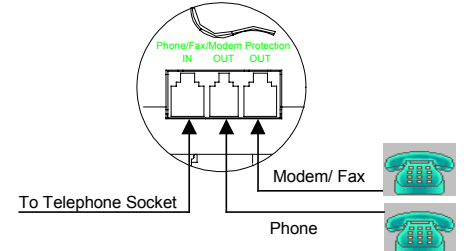


Diagram 3

Note: This connection is optional but highly suggested as phone/ fax/ modem lines often carry dangerous surges and spikes. The UPS works properly without a phone/ fax/ modem connection.

Caution: The phone/fax/modem protection feature could be rendered inoperable if improperly installed. Make sure that the telephone line from the wall is plugged into the connector marked "IN", and the devices to be protected (phone/ fax/ modem) are plugged into the connector marked "OUT".

F) Connect the CATV cable (see #2 on Diagram 2)

(Only F6B550-USB model)

- Connect a single CATV cable into the surge protect port on the left of the UPS. The Audio/ Video modular port can accept the standard single cable of CATV connects.
- Plug one end of the CATV cable you received into your CATV wall port and plug the other end into the port marked IN. You can plug television into the one port marked OUT.

Note: The UPS works properly without the Audio/ Video connection.

G) Connect the USB (Universal Serial Port) Communication port (see #5 on Diagram 2)

A USB port is provided to relay the signal to support Windows. To fully utilize the Bulldog Shutdown Software; you will need to connect the UPS to your computer. Connect the USB cable to your UPS then connect the other end to the USB port on your computer.

H) Install the Software (Optional)

- To fully utilize the UPS and its software, your computer must be able to operate the following operating systems: Windows98/ ME / NT4/ 2000/ 2003/ XP and have a USB port.
- Your UPS features the Bulldog Plus Shutdown Software. This allows you to protect and save your data should a power outage occur, as well as safely shutdown your computer in your absence. Please be sure to close out of all applications prior to installing the software.

- To install the software, please place the CD into the CD drive of your computer.
- Your computer should autorun the CD. If this does not occur, go to the Run feature on your Start icon (lower left corner) on your screen. Please enter the CD drive, it may be D: Upon entering the drive run setup.exe, to execute the software. Should you continue to have a problem, please refer to your computer's owner's manual for the correct drive.

BATTERY REPLACEMENT PROCEDURE

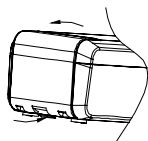


Fig. 1

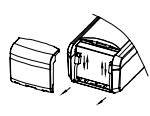


Fig. 2

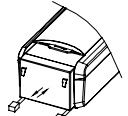


Fig. 3

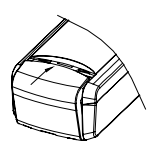


Fig. 4

Replacement requires removing the battery cover plate on the back or bottom of the UPS. No tools are needed. To replace the batteries:

- Remove the battery cover plate on the back of the UPS (Fig.1).
- Disconnect the insulated connectors from the battery terminals (Fig.2) then put the battery wire into indentations.
- Remove the battery then insert a new battery pack, and push the connectors onto the battery terminals (Fig. 3)
NOTE: There may be a small spark at the battery terminals when reconnecting the connectors. This is normal and will not harm you or the UPS.
- Close the battery cover (Fig. 4).

- The "Welcome to the Belkin Bulldog Plus Product Installation Browser" will appear. Please click Install and select the Windows version.
- The Bulldog Plus Installation window will appear. Please choose the appropriate software to install
- Install Shield Wizard will appear onscreen, click Next.
- Please read the License Agreement and click Yes.
- On Setup Type, ALL (Standalone) is the default. Standalone is for UPS management for your computer only. Networking management is for administrators who need to manage several UPSes in a workstation environment. You should not install the networking files unless you are technically qualified to use these features. For more information on networking, please refer to the software user's manual.
- On Choose Destination Folder, you have the option to choose the location of where you would like the Software located on your computer. We recommend using the default option as shown on screen. To use the default option, click Next.
- On Select Program Folder, you have the option to choose the program folder for your Software. We recommend using the default option as shown on screen. To use the default option, click Next.
- On the Select Language screen, please select your language choice.
- The software will now be installed. Once completed, please click Finish.

Note!
Please refer to the help feature found on the Belkin On-line Screen. To access this screen, please click the Belkin shield found in the lower right corner on your task bar of your screen.

Once the Belkin On-line screen appears, choose help. The Bulldog Online Help screen will appear. You may use the Contents, Index or Search tabs to assist you with your help issues and to get more information on the specific features and functions of the software.

I) User Manual Installation

You will need Adobe Acrobat Reader to review the User's Manuals. If you do not have the reader, please goto www.adobe.com to download a free version of the software.

- From the "Welcome to the Belkin Bulldog Plus Product Installation Browser" window, locate and choose User Manual's.
- The "Bulldog Plus User Manuals" window will appear. Please move your pointer to the manual you wish to open and click.
- An Adobe PDF file will be opened. To save a copy to your hard drive, you will need to goto "File" on your menu bar and choose "Save a copy".
- On the Save a Copy window, please choose a destination folder for the manual.

J) Uninstall for Windows 98/ Me/ NT4/ 2000/ 2003/ XP

There are two options to uninstall the Belkin Shutdown Software.

Option 1

- Click the Start icon in the lower left hand corner of your screen and goto the Programs folder. Scroll to the Belkin Bulldog Plus folder and choose setup. Install Wizard will appear.
- Choose Remove and click Next.
- The Program Files and Audio Files will be checked. If they are not, please check them. Click Next. The uninstall procedure will begin.
- Click Finish when complete.

Option 2

(Note: Windows2000/ 2003/ XP users choose the Control panel function from your Start icon and then goto to step 2.)

- Click the Start icon in the lower left hand corner of your screen and goto the Settings icon. Goto and choose the Control Panel folder. The Control Panel window will appear.
- Locate and click the Add/Remove Programs icon. The Add/Remove Programs window will appear.
- Locate and choose the Belkin Bulldog Plus software. Click the Change/Remove button on the right. Install Wizard will appear.
- Choose Remove and click Next.
- The Program Files & Audio Files will be checked. If they are not, please check them. Click Next. The uninstall procedure will begin.
- Click Finish when complete.

STORAGE

Storage Conditions

Store the UPS covered and upright in a cool, dry location with its battery fully charged. Before storing, charge the UPS for at least 6 hours.

Extended Storage

During extended storage in environments where the ambient temperature is +5 °F to +86 °F, charge the UPS battery every 6 months. During extended storage in environments where the ambient temperature is +86 °F to +113 °F, charge the UPS battery every 3 months.

Note:



Away from sunlight



Away from heat



Away from water

TECHNICAL SPECIFICATIONS

Model		F6H375 -USB	F6H550 -USB	F6B550 -USB
Input	Rated capacity	375VA /200W	550VA/300W	
	Rated voltage	105-136Vac		
	Phase / frequency	Single phase 60Hz		
Output	Voltage	Step wave		
	Frequency	60Hz		
Battery	Back up time	Desktop computer +15" monitor ≥ 10min	Desktop computer +17" monitor ≥ 13min	
	Recharge time	≤ 16 hours to 90%		
Environment	Temperature	0-35°C		
	Humidity	10-90%		
Safety Regulation	Safety	UL1778 / c-UL		
	EMI	FCC Class B		
	EMS	IEEE C62.41 category A/ IEC1000-4-5 Level2		
Appearance	Dimension (W * H * D)	4.69 x 3.54 x 14.33 inches (119 x 90 x 364mm)		
	Net weight	4.3kgs/ 9.47lbs	5kgs/ 11.01lbs	

All specifications are subject to change without prior notice.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
• Power LED is not lit	On/ Off button not pushed or pushed less than 2 second	Press the On/Off button more than 2 second
	Battery voltage is too low	Recharge the UPS at least 8 hours
• UPS will not power on	UPS fault	Contact Belkin Technical support at techsupp@belkin.com
	UPS always on battery mode	Power cord loose AC breaker is tripped Power disturbances have occurred
• Back up time is very short	Battery is not fully charged	Recharge the UPS for a minimum of 8 hours
	UPS is overloaded	Remove un-necessary power loads (devices)
	UPS fault	Contact Belkin Technical support at techsupp@belkin.com

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HOWEVER, YOU WAIVE SUCH RIGHTS, EXCEPT AS EXPRESSLY PROVIDED UNDER THE TERMS AND CONDITIONS HAVE THIS AGREEMENT, TO THE MAXIMUM EXTENT ALLOWED BY LAW.

The license is governed by the laws prevailing in the State of New York, without regard to its conflicts of laws principles.

ACKNOWLEDGMENT:

By opening the package on which this Agreement is printed, or through which it is visible, you acknowledge that you have read this Agreement, understand it, and agree that this agreement is the complete and exclusive statement of agreement between yourself and Belkin and supersedes any prior agreements, oral or written, and any other communications relating to the subject matter of this Agreement.

SEVERABILITY:

Any term or provision of this Agreement or any application thereof, which may be prohibited or unenforceable by law in a particular jurisdiction, shall be interpreted and enforced to the maximum extent allowed in such jurisdiction (which the parties acknowledge could mean severing the provision from this Agreement or, if allowed, enforcing it in a narrower form), without affecting the remainder of this Agreement, or any other application of such term or provision in such jurisdiction, or application of such term or provision in any other jurisdiction.

SAFETY INFORMATION

CAUTION!

- Internal battery voltage is 12V DC.
- The unit is intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants).
- All batteries used are Sealed Lead Batteries. Batteries must be recycled.

RECYCLING INFORMATION

Your UPS contains a Non-spill Sealed Lead Battery. On the battery, you will find the battery name. Please reference the chart below for recycling information.

Battery Name	Recycling Inside the USA	Recycling Outside the USA
BB Battery	(800) 278-8599	N/A
CSB Battery	(800) 738-7372	1 (817) 244-4415
VISION Battery	(973) 726-5323	N/A
RITAR Battery	(888) 841-5179	N/A

CONTACT US

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