



TOWERPOWER USER MANUAL

1 Description

Solenoid control for CPU Power Control. TowerPower allows users remote access to the push button power switch on their desktop computer. It has a universal design enabling it to fit on most desktop PCs.

- Controlled by any 1/8th" (3.5mm) mono-jack switch
- Relies on an external power supply (wall adapter included)
- A hardware only device it does not require installation of drivers or software onto the computer's operating system
- The casing has been designed to fit on tower style desktop computer cases with a soft-touch front power button

2 Suggested User

TowerPower allows users to operate the push button power switch on their desktop computer. Any person that cannot physically reach the power button on their PC or does not have the dexterity to do so will benefit from the TowerPower.

3 Compatibility

TowerPower is a hardware-only device and operates independently of computer software. The casing has been designed to fit on all desktop tower cases.

4 Package Contents

TowerPower consists of the following:

- Solenoid casing (Aluminum housing with LED light)
- Velcro strap
- Allen key

5 System Requirements

- Desktop computer with "soft-touch" power button



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-User supplied - Switch with 1/8th", 3.5mm Mono Jack

6 Definitions

Prior to set up you should be familiar with some terms:

6.1 TowerPower

This is the aluminum box that houses the solenoid unit, which mounts on the front of your desktop computer over the pushbutton power switch.

6.2 Switch

The user must provide a switch such as a Jellybean switch to activate TowerPower.

6.3 Button

The power button on your tower (your computer).

6.4 Knob

The 'manual' knob on the TowerPower unit, pushing this knob will act on the tower's button to turn on the computer (this knob can be used at any time by an assistant to turn the computer on or off).

6.5 Internal Adjustment Screw

Inside the knob there is an adjustment screw this is the internal adjustment screw - the 5/32 Allen key is provided for this purpose.

6.6 Solenoid

An electromagnet produced by current flowing through a single coil of wire. The solenoid is housed inside the TowerPower unit (it is cylindrical) the solenoid is what actuates the pressing of the button.

7 Set-up

Before beginning the set-up procedure ensure that the power supply is NOT connected.

7.1 Horizontal Alignment

7.1.1 Hold the TowerPower unit up to the front of the computer and observe where the knob is positioned in relation to the button, if the knob is not centered over the button continue with step 2, if it is centered skip to the attachment step.



7.1.2 Slide the solenoid out of the housing (keep in mind that it is attached by the power cords and cannot be pulled more than a few inches from the housing)

7.1.3 Position the solenoid back into the housing so that it lines up horizontally with the power button

7.2 Attachment

7.2.1 Hold the TowerPower over the button and wrap the Velcro strap around the tower.

7.2.2 Tighten the strap snug, so that the solenoid is held securely to the tower

7.2.3 The knob has a hole in the center - insert the provided 5/32" Allen key into the hole and turn the internal adjustment screw clockwise until the tip comes into contact with the computer's button



7.3 Final Set-up

7.3.1 Attach the power supply to the TowerPower and plug it in to the wall socket

7.3.2 Attach the switch to the TowerPower unit

7.3.3 TowerPower Operation

8 Power ON

(2 steps)

1. Press the switch to wake up the solenoid.
 - Light will flash RED and begin Flashing AMBER for 10 seconds
 - A warning beep will sound
 - The solenoid is now ARMED. If you wait for ten seconds it will go back into sleep mode.
2. Press the switch to activate the solenoid
 - The light will flash RED and begin Flashing AMBER again for 10 seconds.
 - Buzzer will sound
 - The solenoid will now turn ON your computer (with a short push on the computer button)

9 Power OFF

(2 steps)

This is the same as turning the computer on.

1. Press the switch to wake up the solenoid
 - Light will flash RED and begin Flashing AMBER for 10 seconds
 - A warning beep will sound
 - The solenoid is now ARMED. If you wait for ten seconds it will go back into sleep mode.
2. Press the switch to activate the solenoid
 - The light will flash RED and begin Flashing AMBER again for 10 seconds.
 - Buzzer will sound

- The solenoid will now turn OFF your computer (with a short push on the computer button)

10 Power OFF “Locked Computer”

(3 steps)

This is the same as the POWER OFF procedure with the addition of another press of the switch.

1. Press the switch to wake up the solenoid
 - Light will flash RED and begin Flashing AMBER for 10 seconds
 - A warning beep will sound
 - The solenoid is now ARMED. If you wait for ten seconds it will go back into sleep mode.
2. Press the switch to activate the solenoid
 - The light will flash RED and begin Flashing AMBER again for 10 seconds.
 - Buzzer will sound
 - The solenoid will now attempt to turn OFF your computer (with a short push on the computer button) – this may not work if your system has crashed.
3. Press the switch a 3rd time
 - The light will flash RED
 - Buzzer will sound
 - The solenoid will push the computer button and hold it for a longer duration than the previous time (approx 5 seconds) – this will perform a full shutdown of your system.

*Remember this procedure is to be used only when the computer has crashed - it is not a recommended method for computer shutdown - any unsaved documents may be lost.