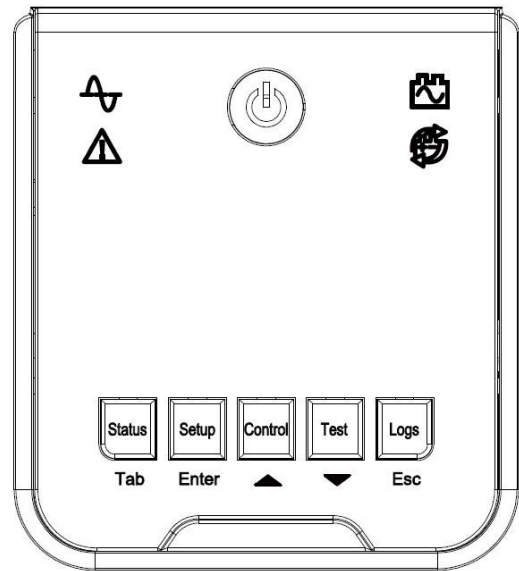**CyberPower®**
Reliability. Quality. Value.

## FUNCTION SETUP GUIDE

K09-0000078-00

**Power On:** (1) Press the POWER button for approximately 2 seconds and you will hear a short steady tone (1 second). Release the button after a short beep. (2) Quickly push the POWER button once to have the UPS enter standby mode. Then use Control Menu →UPS ON/OFF function to turn on UPS.

**Power Off:** (1) Press the POWER button for approximately 2 seconds and you will hear a short steady tone (1 second). Release the button after 2 short beeps. (2) Use Control Menu→UPS ON/OFF function to turn off UPS.



**Status/Tab Button:** Press the Status button for one second and use Up/Down button to view information about the UPS. By pressing the button quickly, users can jump between Status / Setup / Control / Test / Logs menu.

**Logs/Esc Button:** Press the Logs button for one second and use Up/Down button to view transfer and fault events. By pressing the button quickly, users can see in which menu they are.

**Setup/Control/Test/Logs Buttons:** These four buttons have their own main menu. Press the button for 1 second to enter the main menu. Use **Up/Down Buttons** to select the functions to configure. Press the **Enter Button** to enter the setting mode for configuring options. When the desired option is selected, press the **Enter Button** again to confirm the setting. If no changes are made, press the **Esc Button** to return to the main menu. Refer to the following table for detailed list of functions and description.

| Function | Options | Default | Description |
|---|---|---|---|
| **Setup Menu** | | | |
| Setup Wizard | No<br>Yes | No | Use the wizard to help configure basic functions (Utility Power, LCD Auto Sleep, Audible Alarm, and Sensitivity) of the UPS step by step. |
| Utility Power<br><br>*This function is related to MIN O/P Voltage and MAX O/P Voltage settings. | Normal<br>Good<br>Poor<br>(Custom)*<br>* Only when MIN or MAX O/P Voltage is configured. | Normal | This determines how the UPS will switch to Battery Mode. If the utility power is Good, the unit will go to Battery Mode more often. If the utility power is Poor, the unit will go to Battery Mode less often to tolerate the utility power fluctuations. |
| MIN O/P Voltage | 97~106V | 102V | If the utility voltage is usually low and the connected equipment can work with this condition, you can set the output voltage range lower and bypass the AVR Mode. |
| MAX O/P Voltage | 127~136V | 131V | If the utility voltage is usually high and the connected equipment can work with this condition, you can set the output voltage range higher to avoid UPS going to AVR Mode too often. |
| LCD Auto Sleep | Never<br>After 1 minute<br>After 5 minutes<br>After 10 minutes | After 1 minute | If Auto Sleep is selected, the LCD display will shut off after 1/5/10 minutes if no activity. |
| Cycling Display | Never<br>After 10 seconds<br>After 20 seconds<br>After 30 seconds | After 20 seconds | If the buttons are not touched in 10/20/30 seconds, it will start cycling the UPS information. In Status Menu, press Enter button once can also enter or leave cycling mode. |
| Audible Alarm | Enable<br>Disable | Enable | If Off is selected, the unit will mute all alarms except for overload condition. |
| Temporarily Mute*<br>* Visible when UPS is in battery mode and alarm is ON. | Enable<br>Disable | Disable | It allows users to mute the alarm once in battery mode. When utility power is back and UPS switches back to Line Mode, the alarm is turned on again. |
| Sensitivity | Medium<br>High<br>Low | Medium | If the connected equipment can tolerate more power events, select Low Sensitivity. The UPS will go Battery Mode less often. If the connected equipment cannot tolerate power events, select High Sensitivity. The UPS will go Battery Mode more often. |
| Charge Mode | Quick charge<br>ECO mode | ECO mode | Charge the battery quickly or at normal speed. *Quick charge may shorten the battery life. Suggest use ECO mode if power failure is not often. |

| Function | Options | Default | Description |
|---|---|---|---|
| **Setup Menu** | | | |
| Low Battery Warning | 0~1800s | 300s | The audible alarm will sound when the remaining runtime is less than the value selected. |
| Auto Self Test | Never<br>Only on Start Up<br>Startup + 1 week<br>Startup + 2 week<br>Every week<br>Every other week | Never | ◆ Never: never run Self Test<br>◆ Only on Start Up: Auto Self Test runs only when starting up the UPS.<br>◆ Start +1/+2 week: Auto Self Test runs only when starting up the UPS and again in the next 7 or 14 days.<br>◆ Every week/other week: Auto Self Test runs on start up of the UPS and every 7 or 14 days since the last test. |
| Date & Time | yyyy/mm/dd   hh:mm | ----/--/-- --:-- | Set up year/month/day, hour/minute. |
| Battery Change Date | Jan/Feb/Mar/Apr/May/Jun/Jul Aug/Sep/Oct/Nov/Dec -2000~2099 | ---/---- | Optional setup information. User can select the install date of new batteries. |
| Firmware Update*<br>* Visible when UPS is in standby mode. | No<br>Yes | No | When Yes is selected, the UPS will be off and go to firmware update mode. Users can use firmware update software to upgrade the firmware version. |
| Power Meter Reset | No<br>Yes | No | Reset the value of Load Energy in the Status Menu. |
| Back to Default | No<br>Yes | No | Restores the UPS factory default settings. |
| Delay Turn On | 0~600s | 0s | Users can set the time a UPS will wait before start up begins. |
| Delay Turn Off | 0~600s | 0s | Users can set the time a UPS will wait before shut down begins. |
| Reboot Duration | 4~300s | 4s | Users can set the time a UPS will remain off before it restarts. |
| Minimum Restore Capacity | 0~100% | 0% | Minimum Restore Capacity is the criteria of the UPS auto-restart function when utility power is back. If the battery capacity is larger than the Minimum Restore Capacity, the UPS will auto-restart. If the battery capacity is smaller than the Minimum Restore Capacity, the UPS will not auto-restart until the capacity is achieved. |
| Uptime On Battery | Disable<br>Enable > 5~1800s | Disable | When the UPS is in battery mode, it will shut down if operating time is longer than the Uptime. |
| Reserve Runtime | Disable<br>Enable > 0~1800s | Disable | When the UPS is in battery mode, it will shut down if remaining runtime is shorter than the Reserve Runtime. |

| Function | Options | Default | Description |
|---|---|---|---|
| **Setup Menu** | | | |
| Configure NCL | Delay Turn On<br>Delay Turn Off<br>Reboot Duration<br>MIN Restore CAP<br>Uptime on BATT<br>Reserve Runtime<br>Off on Overload > Enable/Disable | Disable | Refer to above description for the first 6 items.<br>Off on Overload – When overload occurs, Non-Critical Load outlets will be turned off if Enable is selected to remove overload condition. |
| **Control Menu** | | | |
| UPS On/Off | (When UPS is off)<br>On<br>Delay On<br>(When UPS is on)<br>Off<br>Delay Off<br>Reboot<br>Delay Reboot | On or Off | Enables or disables the delay function when the UPS is starting up, shutting down, or rebooting. |
| NCL On/Off | (When UPS is on and NCL is off)<br>On<br>Delay On | On | Enables or disables the delay function when the NCL is starting up, shutting down, or rebooting. |
|  | (When UPS is on and NCL is on)<br>Off<br>Delay Off<br>Reboot<br>Delay Reboot | Off | |
| **Test Menu** | | | |
| Self Test | No<br>Yes | No | If Yes is selected, the UPS will perform a self test. |
| Alarm Test | Cancel Test<br>Continuous Test<br>Short Test | Cancel Test | This option tests the alarm's audible warning and LED indicators to insure they are normal. |
| Battery Calibration | No<br>Yes | No | (When it is normal)<br>Process<br>Completed<br>(When it is not normal)<br>Fail: Load < 20%<br>Fail: Load vary<br>Fail: Low Battery<br>Fail: Power Failure<br>Fail: Charge < 8h |