# GreenPower Genie

## User Guide

**MSI**
MICRO-STAR INTERNATIONAL

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\* The case color might be different from those shown above

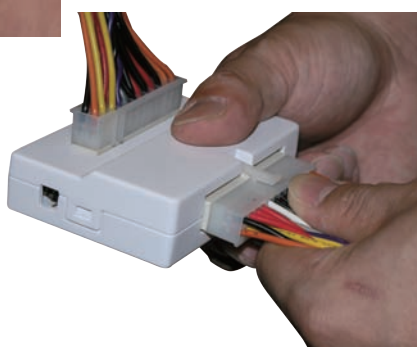## The Connectors Of This GreenPower Genie



1
3
2

1. Connect to Power Supply
2. Connect to Mainboard 24-pin ATX connector
3. Connect to Mainboard GreenPower connector

## Follow These Steps to Install This GreenPower Genie

1. Turn off the switch on the back of the power supply. If your power supply doesn't have the switch, then unplug it from the wall.

2. Open up your computer case.
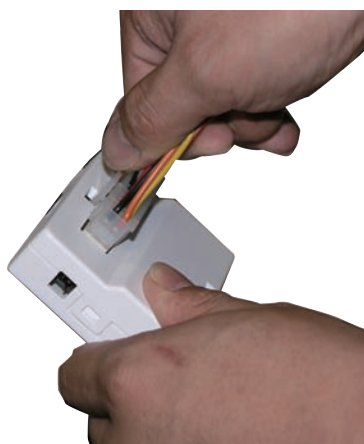


3. Remove the power supply 24-pin cable from the mainboard. Connect the power supply 24-pin cable to the GreenPower Genie.

4. Connect the GreenPower Genie to the ATX 24-pin Connector on your mainboard with the provided 24-pin cable.



5. Find the GreenPower connector of the mainboard (refer to the mainboard user guide).

6. Use the provided data transfer cable to connect from the GreenPower Genie to the mainboard.

7. Replace the case. Plug in your power supply and flip the switch back on.
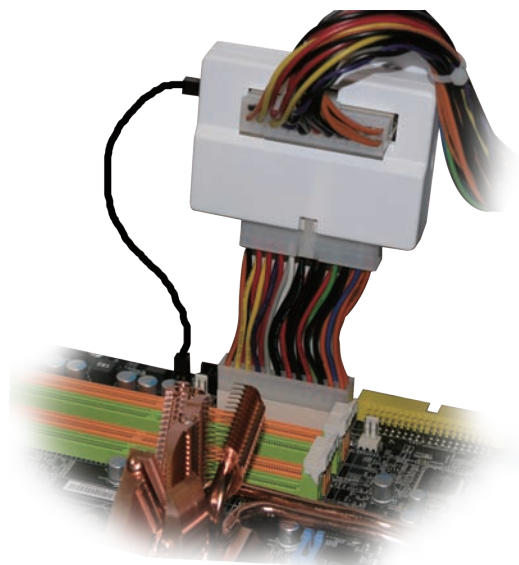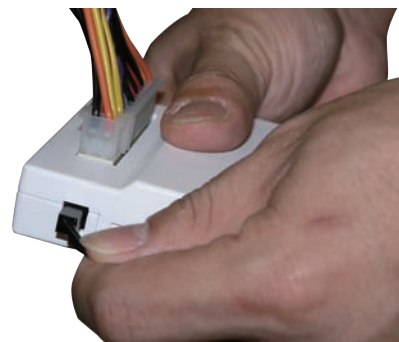


## How To Use The GreenPower Center

1. Install the CoreCenter software from MSI mainbaord driver CD. You could donwload it from MSI website.

2. After the CoreCenter has been successfully installed and the system has rebooted, click on the Intel Application Accelerator shortcut link (Start --> All Programs --> MSI --> Core Center --> Core Center) and the following window will appear:



3. Click this button and the GreenPower Center window will appear.
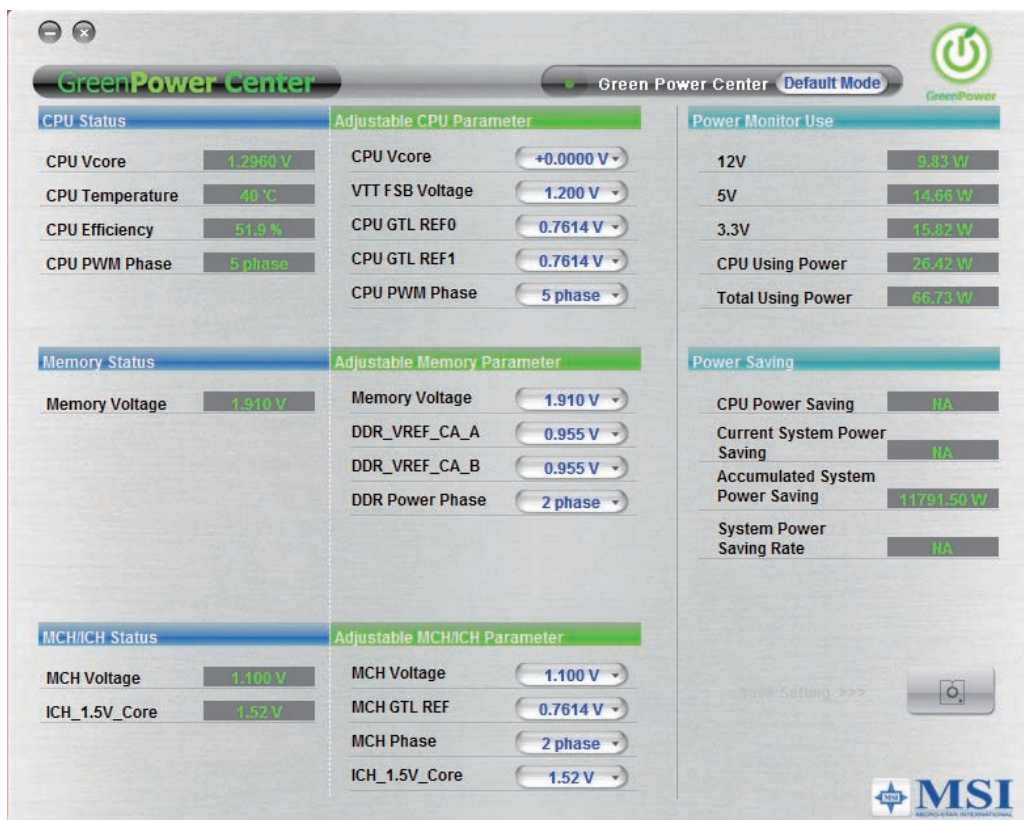
## Select Green Power Center Mode

To select Green Power Center modes, click the drap menu button (shown below) .



**Default Mode:** This mode provides standard settings.

**High Performance Mode:** This mode enhances performance at the basis of power saving.

**Max Power Mode:** This mode provides substantial power saving benefits.

**Manual Mode:** In this mode, you can adjust CPU/Memory/MCH/ICH parameters.

## CPU Status

This block indicates that the current CPU status.

**CPU Vcore:** Indicates the current voltage of the CPU Vocre.

**CPU Temperature:** Indicates the current temperature of the CPU.

**CPU Efficiency:** Indicates the percentage of the CPU Efficiency.

**CPU PWM Phase:** Indicates what sort of the power phase is used by CPU.

## Memory Status

This block indicates that the current memory status.

**Memory Voltage:** Indicates the voltage of the memory.

## MCH/ICH Status

This block indicates that the current MCH/ICH status.

**MCH Voltage:** Indicates the voltage of the North Bridge.

**ICH_1.5V_Core:** Indicates the voltage of the South Bridge.

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### Adjustable Parameters

In this document, we will use the term, "Adjust", to mean that you should click the button on the right side of the parameter. A drop-down menu will appear on the button below, then select a value.

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## Adjustable CPU Parameter

In the block, you could adjust the CPU voltage and power phase.

**CPU Vcore:** Allows you to adjust the CPU Vcore voltage.

**VTT FSB Voltage:** Allows you to adjust the VTT FSB voltage.

**CPU GTL REF0:** Allows you to adjust the CPU GTL (Gunning Transceiver Logic) reference 0 voltage.

**CPU GTL REF1:** Allows you to adjust the CPU GTL (Gunning Transceiver Logic) reference 1 voltage.

**CPU PWM Phase:** Allows you to adjust the CPU power phase. We recommend you set to Auto, the software will adjust power phase in accordance with the CPU load, Therefore, power-saving effect can be achieved at any time.

## Adjustable Memory Parameter

In the block, you could adjust the memory voltage and power phase.

**Memory voltage:** Allows you to adjust the memory voltage.

**DDR_VREF_CA_A:** Allows you to adjust the channel A, DDR single control reference voltage.

**DDR_VREF_CA_B:** Allows you to adjust the channel B, DDR single control reference voltage.

**DDR Power Phase:** Allows you to adjust the DDR power phase. We recommend you set to Auto, the software will adjust power phase in accordance with the memory load, Therefore, power-saving effect can be achieved at any time.

## Adjustable MCH/ICH Parameter

In the block, you could adjust the North Bridge / South Bridge voltage and power phase.

**MCH voltage:** Allows you to adjust the North Bridge voltage.

**MCH GTL REF:** Allows you to adjust the North Bridge GTL (Gunning Transceiver Logic) reference voltage.

**MCH Phase:** Allows you to adjust the North Bridge power phase. We recommend you set to Auto, the software will adjust power phase in accordance with the NB load, Therefore, power-saving effect can be achieved at any time.

**ICH_1.5V_Core:** Allows you to adjust the South Bridge voltage.

## Power Monitor Use

This block indicates that the system power-consumption status.

**12V:** Indicates that the 12V consumption. This item is available when the GreenPower Genie is installed.

**5V:** Indicates that the 5V consumption. This item is available when the GreenPower Genie is installed.

**3.3V:** Indicates that the 3.3V consumption. This item is available when the GreenPower Genie is installed.

**CPU Using Power:** Indicates that the CPU power-consumption.

**Total Using Power:** Indicates that the total power-consumption. This item is available when the GreenPower Genie is installed.

## Power Saving

This block indicates that the system power-saving effect.

**CPU Power Saving:** Indicates that the current CPU power-saving status.

**Current System Power Saving:** Indicates that the current system power-saving status.

**Accumulated System Power Saving:** Indicates that since you are using GreenPower Center, the accumulated of power-saving.

**System Power Saving Rate:** Indicates that the system power-saving rate.

## Save Setting

Make your adjustments and save the setting by clicking the  button.