

“All in One HTPC and Gaming Case”

# **byears-Envi / byears-Envi-nw**

**byears-Envi**



**byears-Envi-nw**



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### Introduction:

Thank you for purchasing Bgears case. In this manual we will cover the installation details on major components for this case, so that you will be able to access all the installation components required to assemble a full PC system.

### Features and Package Contents:

- Touch Sensitive Power/Reset/Lock buttons
- Mirror finished Front Bezel with flip down door cover to prevent dust
- 2 Clear Acrylic Side Windows (for b-Envi only)
- Solid Top Cover with no Window (for b-Envi-nw only)
- Aluminum 1.0 Chassis with ABS plastic front panel
- 2.5" IDE Removable HDD Enclosure (SATA card sold separately)
- One External USB cable for 2.5" HDD Enclosure portability
- 58-in-1 Card Reader (XD Ready)
- 3 x USB 2.0 port
- Front audio and microphone ports
- 1 x 120mm Blue LED Rear Fan (for b-Envi only)
- 1 x 120mm Black Rear Fan (for b-Envi-nw only)
- 1x 80mm Front Fan Mount (Fan is not included)
- Removable Motherboard Tray for easy installation
- A bag of mounting screws
- ATX Power Adapter for Touch Sensors
- Manual & Warranty Card
- Optional: 2 clear acrylics side window covers or solid no window cover
- Power Supply Not Included

### Chassis Dimensions:

28(Width) x 23(Height) x 32(Depth) cm (without front panel)  
28(Width) x 23(Height) x 37(Depth) cm (with front panel)

### Power Supply Size Restriction and Suggestion:

The power supply for this case requires less than 16cm(standard) or 15cm(standard modular connect type) in depth in order to fit in the chassis without obstructing the optical drive when it's in the top of the 5.25" bay. If installing a conventional Modular Cable Management type Power Supply, make sure there is enough clearance between the Power Supply and the Optical Drive for the modular cable connectors.

We strongly suggest using our Smart Flex Modular Connect Power Supply provided by b-Tarantula. This is a full sized True Wattage PSU with lots of added features like Active PFC, Oversized Heatsink, 13.5cm fan, Auto Fan Speed Control, Green Power, and many more. Most importantly, the Smart Flex Modular Cable design (see reference Image A & B) on b-Tarantula will allow user to install the Power Supply in the most restricted area in any cases with ease. For more information on this suggested power supply, please visit us at: <http://www.bgears.com/b-tarantula.html>.



Image A



Image B

**How to remove the outer casing?:**

1. Loosen the two thumb screws that holds the outer casing to the chassis.



2. Once the two screws have been loosened, pull the outer casing towards you.



**How to remove the motherboard tray?:**

1. Loosen the two screws that hold the motherboard tray to the chassis.



2. Once loosened, slide the motherboard tray towards you.



**How to install a motherboard to the motherboard tray?:**

1. Replace I/O shield from the motherboard tray if needed.

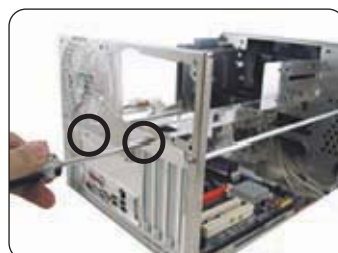
2. Mount the motherboard onto the motherboard tray and tighten down the mounting holes with the provided screws. Make sure to use the included rubber washer to avoid electrical shortage.



3. Slide the installed motherboard tray into the chassis.



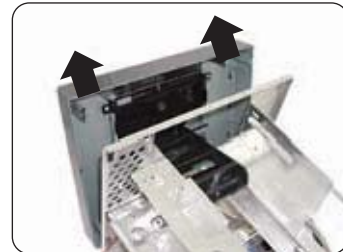
4. Tighten the screws to secure the motherboard tray to the chassis.



**How to remove the front panel?:**

1. Unhook the locking clips by pushing those outwards.

2. The front panel should be completely loose and should be able to pull it off.

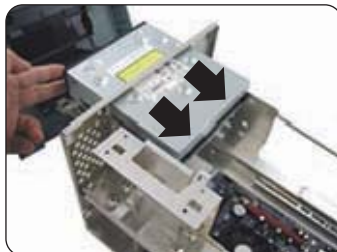


**How to install an optical drive to the 5.25" drive bay?:**

1. Make sure that the front panel has been removed or detached from the chassis.

2. Slide the optical drive from the front of the open bay towards the back.

3. Reattach the front panel with the optical drive in the chassis. Make sure there's enough clearance between the front panel's eject button to the optical drive's eject button, so it doesn't automatically eject.

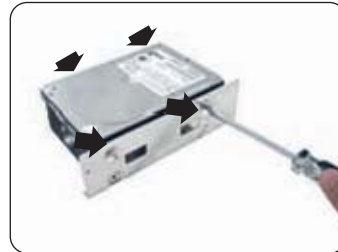
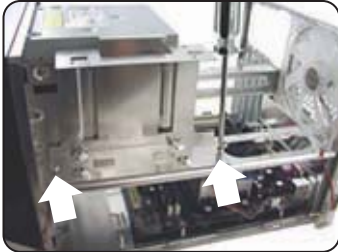


4. Secure the optical drive by tightening the screws to the mounting holes on both sides (Typically 4 screws total; 2 for each side).



**How to install a hard disk to the hard disk mounts?:**

1. Detach the hard disk mount from the chassis by loosening these two screws.
2. Once the hard disk mount is detached, secure your hard disk to the mount by tightening the screws to the mounting holes.

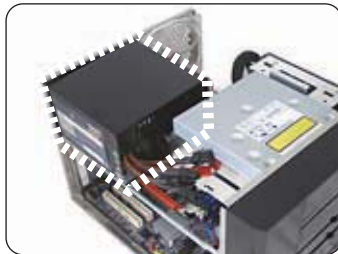


3. Once completed, reattach the hard disk mount to the chassis and tighten the two screws down.



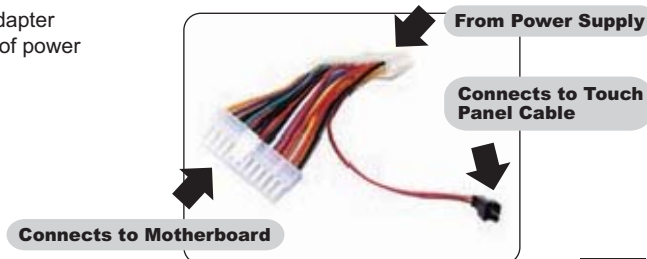
**How to mount the power supply?:**

1. Slide in the power supply into this position in the case.
2. Secure the power supply by tightening with the supplied screws on the back of the case. (Typically in these 4 areas – may vary for different power supplies.)



**How to connect the front touch panel?:**

1. Make sure you have this power adapter. This adapter allows the power supply to feed small amounts of power to the touch panel when the system is off.

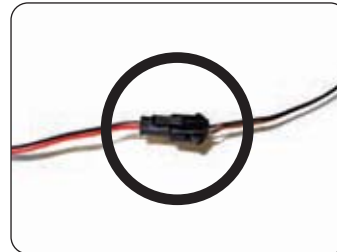


**How to connect the front touch panel?: (continued)**

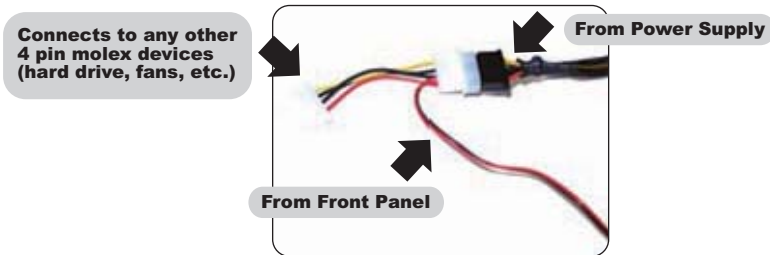
2. Connect the power supply's main ATX power cable to one end of the adapter.



3. Connect the touch panel cables together. (One from the adapter and one from the case)



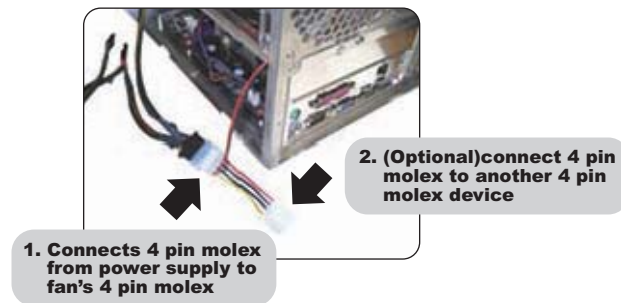
4. Finally connect the 4 pin Molex cable from the front touch panel to one of the power supplies' 4 pin Molex rail. (Optional) connect the other end of the 4 pin Molex to another 4 pin Molex device.



**How to connect the 120 or 80 mm fans?**

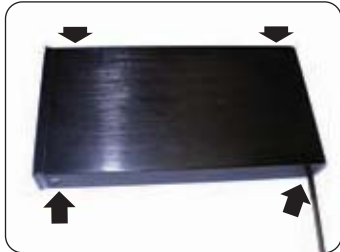
1. Connect the 4 pin Molex from one of the fan ends to the power supply's 4 pin Molex rail.

2. (Optional) Connect the other fan's 4 pin Molex device to another 4 pin Molex device (such as a hard drive, video card, motherboard, etc.)

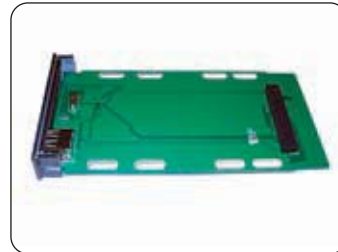


**How to install a 2.5" hard drive to the included hard drive enclosure?:**

1. Loosen these 4 screws.



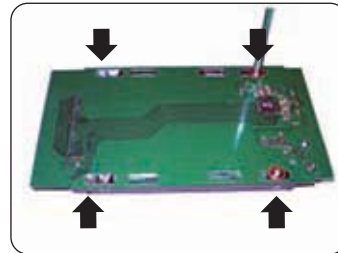
2. From the USB port side, pull to remove the cap as well as the hard drive board mount.



3. Slide in the 2.5" hard disk to the connectors. Make sure the golden pins are making full contact to the connection itself.



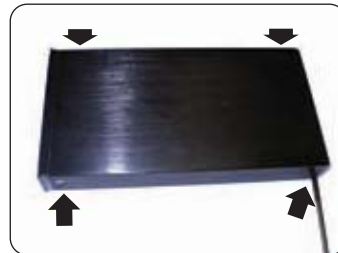
4. Turn over the hard disk mount board and tighten down with the 4 screws provided to ensure that the hard disk is secured in its position.



5. Slide the mounted hard disk back into the enclosure.



6. Tighten the screws back onto the enclosure itself.



7. (When using the hard disk as an external enclosure)  
Connect one end with the provided USB cable (the one not marked with either "POWER" or "DATA").



8. Connect "POWER" and "DATA" to a computer's  
USB ports (both need to be connected, in order  
to function correctly).



**How to connect the internal cables onto your motherboard?:**

Please refer to your motherboard's manual for more details.



This connects to your power switch on your motherboard. The positive and negative ends should already be labeled on the connectors.



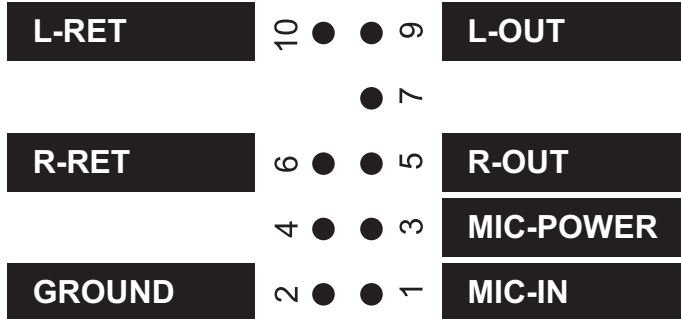
This connects to your hard disk LED indicator on your motherboard. The positive and negative ends should already be labeled on the connectors.



This connects to your reset switch on your motherboard. The positive and negative ends should already be labeled on the connectors.

**How to connect the front panel audio?:**

This is a typical connection diagram for the front panel audio connection. Please double check with your motherboard's manual on this connection diagram.



**How to connect the USB connectors?:**

First, please ensure that the USB connections on the card reader and the external enclosure hard drives are connected like so:



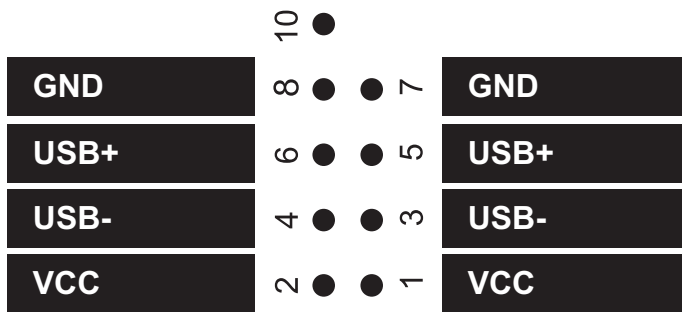
The "UP" label should be facing toward the top of the case, if not you may experience an electrical shortage or failure of the device.

**How to connect the USB connectors?: (continued)**

Once you confirmed that the USB connections are secured properly on those two devices, connect the other ends of the internal USB connectors onto your motherboard's onboard USB pins. Please refer to your motherboard's manual for more details.

Typically the USB connections are indicated or connected as follows:

- VCC : Front panel USB Power
- USB- : USB Port Negative Signal
- USB+ : USB Port Positive Signal
- GND : Ground



Please double check with your motherboard's manual on the USB connections.

**What does the front LEDs indicate?:**



(LED in RED)  
Indicates that the power is off, touch it to turn the system on.



(LED in BLUE)  
Indicates that the power is on, touch it to turn the system off.



(LED in BLUE)  
This is the reset switch; touch it to reset the system.



(LED in RED)  
Indicates hard drive activity, blinks when there's hard drive activity.



(LED in BLUE)  
Indicates that the touch panel is locked, touch to unlock and access the power on and reset switch. This prevents users from accidental shut downs and/or resets.

**Limited Warranty:**

- **LABOR:** For a period of 1 year from the date of purchase, if this Product is determined to be defective, Bgears will repair or replace with the same Product or one of equal value, at no charge, or pay the labor charges to Bgears authorized service facility. After the warranty period, you must pay for all labor charges.
- **PARTS:** In addition, Bgears will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of 1 year. After the warranty period, you must pay for all parts cost.
- To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Bgears service facility.
- This warranty does not cover customer instruction, installation, or set up adjustment problems.
- This warranty does not cover any units which have been previously altered, repaired or serviced by anyone other than service facility authorized by Bgears, or a unit on which the factory-applied serial number has been altered or removed. This warranty does not cover cosmetic damage, or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply. This warranty does not cover products sold AS IS or WITH ALL FAULTS.
- This warranty is valid only in the United States and only in respective country of purchase.
- Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that the unit is within warranty period, must be presented to obtain warranty service.
- This warranty is invalid if the factory applied serial number has been altered or removed from the Product.
- Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Bgears, Inc. shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on this product. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty.
- Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations, on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.
- To obtain warranty services, you must call or email Bgears. Once a repair is approved, you must deliver or ship the products, freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Bgears service facility.

**For Service in the United States: Bgears' Technical Support**URL: <http://www.bgears.com>Email: [support@bgears.com](mailto:support@bgears.com)

Telephone: 510-657-7252

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