# Antec
*Believe it.*

# Three Hundred

## User's Manual
Manuel de l'utilisateur
Anwenderhandbuch
Manuale per l'operatore
Manual del usuario
取扱説明書
中文使用手冊

At Antec, we continually refine and improve our products to ensure the highest quality. As such, your new case may differ slightly from the description in this manual. This isn't a problem; it's simply an improvement. As of the date of publication, all features, descriptions, and illustrations in this manual are correct.

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## Disclaimer
This manual is intended only as a guide for Antec's Computer Enclosures. For more comprehensive instructions on installing the motherboard and peripherals, please refer to the user's manuals that come with those components.

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# Three Hundred User's Manual

## Three Hundred – Gaming Case
The Three Hundred comes without a power supply. Make sure you choose a power supply that is compatible with your computer components and has a long enough power harness to reach your motherboard and peripheral devices. We recommend our TruePower Quattro, TruePower Trio, or NeoPower power supplies for the latest ATX specification compliance, broad compatibility, and power savings capability.

Although care has been taken to prevent sharp edges in your Antec case, we strongly recommend taking the appropriate time and care when working with it. Avoid hurried or careless motions. Please use reasonable precaution.

## Setting Up

1.  Place the case upright on a flat, stable surface so that the rear panel (power supply and expansion slots) is facing you.

2.  Remove the panel thumbscrews from a side panel and open it by swinging it outwards.
    **Note:** Place the panel thumbscrews carefully aside as they are NOT interchangeable with the HDD cage thumbscrews.

3.  Remove the panel thumbscrews from the other side panel to open it. Place the screws carefully aside.
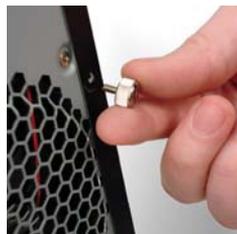
4.  There are three plastic tabs on the left side of the bezel. They fasten the front bezel to the metal chassis. Release the tabs from the top down to release the bezel. Swing open the bezel to about 45° angles and gently lift the bezel upward. The front bezel will come off easily.  Set the bezel in a safe place

5.  Inside the chassis is the power supply mount at the lower rear of the case. You will also find some wiring with marked connectors (USB, PWR etc.), an installed I/O panel and a toolbox containing more hardware (screws, brass standoffs, etc.)
    **Note:** Don't use your fingernail to pry or lift the panels.

## Installing the Motherboard

This manual is not designed to cover CPU, RAM, or expansion card installation. Please consult the motherboard manual for specific mounting instructions and troubleshooting. Before proceeding, check the manual for your CPU cooler to find out if there are steps you must do before installing the motherboard.

1.  Lay the case down so that the open side is up.

2.  Make sure you have the appropriate I/O panel for the motherboard. If the panel provided is not suitable for the motherboard, please contact the motherboard manufacturer for the correct I/O panel.

3.  Line up the motherboard with the standoff holes. Determine which holes line up and

remember where they are. Not all motherboards will match with all of the provided screw holes, and this is not necessary for proper functionality.) Some standoffs may be pre-installed for your convenience.

4.  Lift up and remove the motherboard.

5.  Screw in the brass standoffs to the threaded holes that line up with the motherboard.

6.  Place the motherboard on the brass standoffs. Screw in the motherboard to the standoffs with the provided Phillips-head screws.

7.  The motherboard is now installed

## Installing the Power Supply

1.  With the case upright, place the power supply on the bottom of the case.
    **Note:** Power supplies with fans on the bottom of the power supply will need to be mounted so that the fan is facing the top of the case. Three Hundred provides mounting holes for power supplies with standard mounting layouts to be installed upside up or upside down.

2.  Push the power supply to the back of the case and align the mounting holes.

3.  Attach the power supply to the case with the screws provided.

## Connecting the Ports and LEDs

**Note:**  Please refer to your motherboard manual for specific pin outs or location of front panel connectors.

1.  Connect the Reset switch (labeled RESET SW) to the motherboard at the RST connector. Polarity (positive and negative) does not matter for switches.

2.  Power Switch (labeled POWER SW) connects to the PWR connector on the motherboard.

3.  Connect the Power LED connector to the Power LED connector on the motherboard. For LEDs, colored wires are positive (+). White or black wires are negative (−). If the LED does not light up when the system is powered on, try reversing the connection. For more info on connecting LEDs to your motherboard, see your motherboard manual.

4.  Hard Drive LED (labeled HDD LED) connects to the drive activity header on your motherboard or RAID card.

# Connecting the USB Ports

**Note:** Please check the motherboard manual for the USB header pin layout and make sure it matches the table below.

Motherboard USB Pin Layout
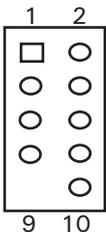
| Pin | Signal Names | Pin | Signal Names |
|-----|--------------|-----|--------------|
| 1 | USB Power 1 | 2 | USB Power 2 |
| 3 | Negative Signal 1 | 4 | Negative Signal 2 |
| 5 | Positive Signal 1 | 6 | Positive Signal 2 |
| 7 | Ground 1 | 8 | Ground 2 |
| 9 | Key (No Connection) | 10 | Empty Pin |

## Connecting the Audio Ports (AC'97 and HDA)

There is an Intel® standard 10-pin AC'97 connector and an Intel® 10-pin HDA (High Definition Audio) connector. You can connect either the AC'97 or the HDA connector, but not both at once, to your motherboard depending on the spec of the motherboard.

Pin Assignment for Audio Ports (HDA and AC'97)
Locate the internal audio connectors from your motherboard or sound card. Consult your motherboard or sound card manual for the pin-out positions.

Pin Assignment for Audio Ports (HDA and AC'97)
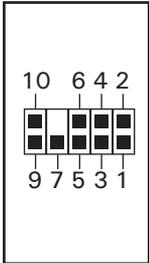
| Pin | Signal Names (HDA) | Pin | Signal Names (AC'97) |
|-----|--------------------|-----|----------------------|
| 1 | MIC2 L | 1 | MIC In |
| 2 | AGND | 2 | GND |
| 3 | MIC2 R | 3 | MIC Power |
| 4 | AVCC | 4 | NC |
| 5 | FRO-R | 5 | Line Out (R) |
| 6 | MIC2_JD | 6 | Line Out (R) |
| 7 | F_IO_SEN | 7 | NC |
| 8 | Key (no pin) | 8 | Key (no pin) |
| 9 | FRO-L | 9 | Line Out (L) |
| 10 | LINE2_JD | 10 | Line Out (L) |

## External 5.25" Device Installation

1. Remove both side panels and front bezel per the instructions in Setting Up.

2. Remove the drive bay faceplate from the bezel.

3. Slide the 5.25" device into the bay from the front of the case.

4. Fasten the drive using the screws that came with your drive.

5. Connect the appropriate power and interface connectors from the power supply and motherboard to the device.

6. Mount the other devices accordingly.

## 3.5" Hard Drive Installation

1. Remove both side panels and front bezel per the instructions in Setting Up.

2. There are two 120 mm fan cages at the front. Each fan cage covers 3 HDD bays and is fastened by two thumbscrews.

3. Loosen the two thumbscrews. Swing open the fan cage and gently lift upwards to remove it. Up to six hard drives total can be installed.

4. Slide a hard disk into a bay from the front of the case.

5. Fasten the drive in place using the thumbscrews that came with the case.

6. Connect the appropriate power and interface connectors from the power supply and motherboard to the device.

7. Repeat the procedure for additional drives as necessary.

8. Put the front fan cages back to the case. If you plan to mount the optional 120 mm case fans, you should do it now. See Cooling section for fan installation.

## 3.5" External Drive Bay

**Note: This case does not come with an external 3.5" drive bay. To install an external 3.5" drive bay, you need to contact Antec Customer Service to purchase a 5.25" to 3.5" Adapter.**

## Cable Management

There is a cable management compartment behind the 3.5" cage.

1. Open the right side panel per the instruction in Setting Up.

2. You will see the compartment with cable ties located behind the wall of the 3.5" cage.

3. Tuck or route your excess cables to the compartment. This will keep the cables from interfering with airflow in your case and help with cooling. Secure the cables to the wall of the 3.5" cage as needed, with the reusable cable ties.

## Cooling System

**The Rear Exhaust TriCool™ Fan**
There is a 120 x 25mm TriCool™ fan preinstalled at the rear of the case. The fan is installed so the air will be blown out of the case. This fan comes with a three-speed switch that let you choose the speed best suited to your need. The default fan speed setting is Low.

**120mm Fan Specifications:**
Size:                 120 x 25mm TriCool™ Fan
Rated Voltage:    12V DC
Operating Voltage: 10.2V ~ 13.8V

| Speed (RPM) | Input Current | Air Flow | Static Pressure | Noise | Input Power |
|---|---|---|---|---|---|
| High 2000 | 0.24A (max.) | 2.24 m³ / min (79 CFM) | 2.54mm-$H_2O$ (0.10inch-$H_2O$) | 30 dBA | 2.9 W |
| Medium 1600 | 0.2A | 1.59 m³ / min (56 CFM) | 1.53mm-$H_2O$ (0.06inch-$H_2O$) | 28 dBA | 2.4 W |
| Low 1200 | 0.13A | 1.1 m³ / min (39 CFM) | 0.92mm-$H_2O$ (0.04inch-$H_2O$) | 25 dBA | 1.6 W |

**The Top Exhaust TriCool™ Fan**
The case comes with a 140 mm top exhaust fan. The fan is installed so the air will be blown out of the case. This fan comes with a three-speed switch that let you choose the speed best suited to your need. The default fan speed setting is Low.

**140mm TriCool Specifications:**
Size:                 140 x 140 x 25.4mm TriCool Fan
Rated Voltage:    DC 12V
Operating Voltage: 10.2V ~ 13.8V

| Speed (RPM) | Input Current | Air Flow | Static Pressure | Acoustical Noise | Input Power |
|---|---|---|---|---|---|
| High 1,500 | 0.28A (max.) | 2.68 m³ / min (94.6 CFM) | 1.685mm-$H_2O$ (0.066inch- $H_2O$) | 31.8 dBA | 3.36 W |
| Medium 1,100 | 0.20A | 1.89 m³ / min (66.8 CFM) | 0.934mm- $H_2O$ (0.036inch- $H_2O$) | 21.4 dBA | 2.4 W |
| Low 700 | 0.15A | 1.33 m³ / min (47 CFM) | 0.40mm- $H_2O$ (0.015inch- $H_2O$) | 19.8 dBA | 1.8 W |

**Note:** These TriCool™ fans have a three-speed switch that lets you choose between quiet, performance, or maximum cooling. The switch is located at the end of a short wire attached to the fan.

**Note:** The minimum voltage to start a typical TriCool™ fan is 5V. We recommend that you set the fan speed to High if you choose to connect the fan(s) to a fan control device or to the Fan-Only connector found on some Antec power supplies. A fan control device regulates the fan speed by varying the voltage, which may start as low as 4.5V to 5V. Connecting a TriCool™ fan set on Medium or Low to a fan-control device may result in the fan not being able to start because the already lowered voltage from the fan control device will be further reduced by the TriCool™ circuitry below 5V.

## The Optional Fans

There are total of three optional 120mm fan mounts—one side intake fan (on the left side panel) and two front intake fans (at the front of the HDD cage). We recommend using Antec 120mm TriCool™ fans and setting the speed to Low. These fans must be installed so that the air is blowing into the case.

**The Side 120 mm Fan** — The side fan opening is there to enhance graphic cards cooling. The fan should be installed so that air is blowing into the case.

**The Front 120 mm Fans** — You can install two 120 mm fans to the fan cages in front of the hard drive bays.

**Note:** These fans must be installed so that the air is blowing into the case.

1. Remove the front bezel per the instructions in Setting Up.

2. Loosen the two thumbscrews on one of the fan cages. Swing the cage partially open and lift up to remove it from the case.

3. Line up the fan so that it will be blowing air into the case and secure it with the screws that come with your fan.

4. Hook the fan cage back onto the front of the case. Run the power connector through the oval opening to the right of the HDD bays and into the cable management area.

5. Close the cage, being careful not to pinch the wires, and tighten the thumbscrews.

6. Connect the fan to a power source, and repeat for the second fan cage if you choose.
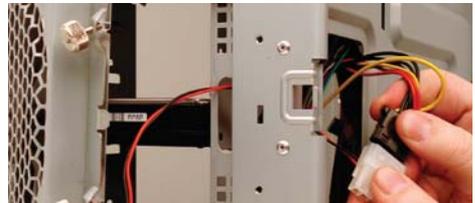
## The Washable Air Filter

**The front air filter** – There is a filter located behind the front bezel.

To remove the filter:

1. Remove the front bezel per the instructions in Setting Up

2. There is a tab on the left upper corner of the filter. Lift that tab while releasing the latches down the side of the filter that secure it to the bezel.

From time to time it will be necessary to wash the installed air filter. Not washing the air filter will result in higher system temperatures and possible stability problems. We recommend checking the air filter at least once a month initially. The frequency will change depending on system usage (users whose systems run 24/7 will likely have to check/wash more often than those who don't use their systems every day) and on environmental conditions.

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