



**NINETEEN
HUNDRED**



**User
Manual**

Nineteen Hundred User Manual

Congratulations on your purchase of the Antec Nineteen Hundred!!

Meet the Nineteen Hundred, a case engineered for performance and built to enclose the ultimate PC. It is an unbeatable enclosure that delivers a combination of cooling, performance, and convenience and stands head and shoulders above the competition.

With 9 expansion slots, the Nineteen Hundred features an advanced cooling system for graphics cards up to 330 mm (13.0 inches) in length. Dual-layer mesh provides a stylish and new fashion into computer hardware. Nineteen Hundred has use many silicone grommets technology to limit vibrations.

In addition, Its comes with 4 advance silent Fluid Dynamic bearing chassis fan which can provide lowest fan acoustic to under 18dB (A). Finally, the Nineteen Hundred is constructed of durable SECC steel that lasts for builds to come. Along with pioneering design and solid construction the Nineteen Hundred is the last word in ultimate PC builds

At Antec, we continually refine and improve our products to ensure the highest quality. As such, your new chassis may differ slightly from the description in this manual due to improvements applied for the optimal building experience. As of November 15, 2011, all features, descriptions, and illustrations in this manual are correct.

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 manuals that come with those components.

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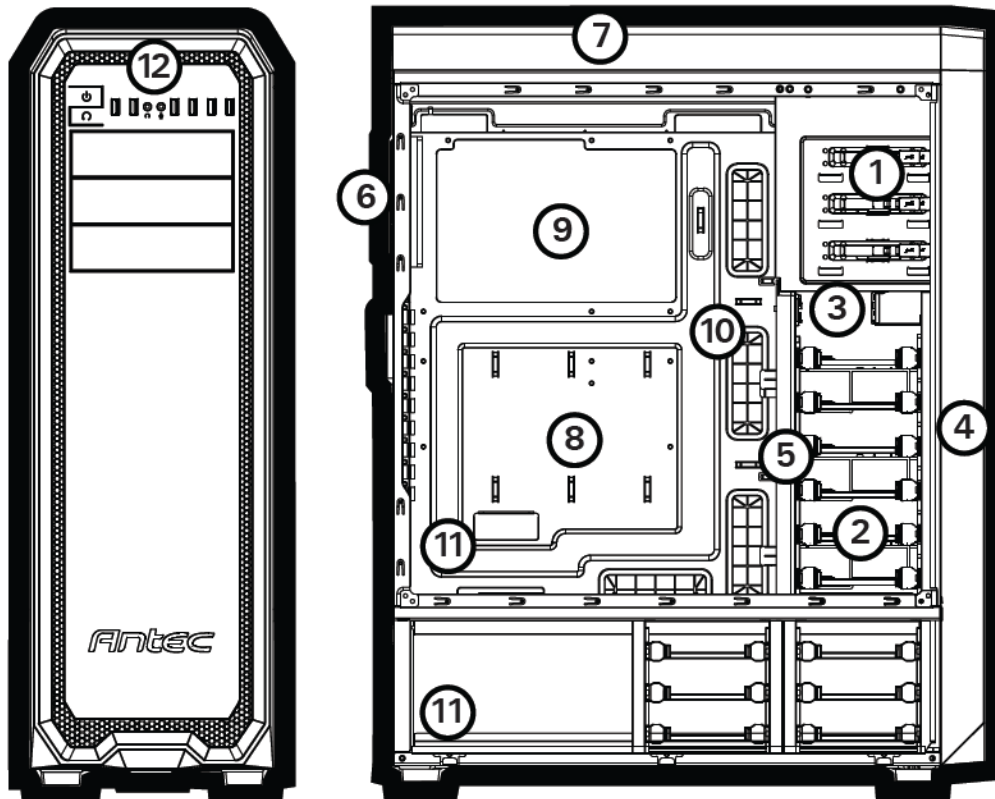
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Section 1

Introduction

1.1

Getting to Know Your Chassis



1. 3 x 5.25" external tool-less drive bays
2. 12 x 3.5/2.5" internal drive bays
3. 2 x 2.5" internal drive bays
4. 3 x 120 mm front intake fans
5. 2 x 120 mm HDD internal fan mounts
6. 1 x 120 mm Rear exhaust fan
7. 2 x 120 mm top exhaust fans
8. Motherboard Mount: SSI CEB, E-ATX, ATX, Micro ATX, Mini-ITX
9. CPU cutout
10. Extra large cable routing space $\leq 30\text{mm}$
11. Power supply mount: ATX/ESP standard PSU x 2
12. Front Ports: 4 x USB3.0, 2x USB2.0, Audio In/Out

1.2 Chassis Specifications

Chassis Type	Super Full Tower
Chassis Color	Green / Red
Dimensions	27.4" (H) x 8.8" (W) x 21.8" (D) 696 mm (H) x 223.6 mm (W) x 555 mm (D)
Weight	29.4 lbs / 13.36 kg
Cooling	Fan mounts: - 3 x 120 mm front intake fan mounts - 2 x 120 mm HDD internal fan mounts - 1 x 120 mm Rear exhaust fan mounts - 2 x 120/140 mm top exhaust fan mounts Included Fan: - 3x 120mm front intake FDB silent fan, 1200 r. p. m , 18dB - 1 x 120mm rear exhaust FDB silent fan, 1200 r. p. m, 18dB - 2 x 120mm top exhaust FDB silent fan, 1200 r. p. m, 18dB
Drive Bays	- 3 x 5.25" tool-less drive bays - 12 x 3.5" / 2.5" tool-less HDD bays - 2 x 2.5" HDD bays
Expansion Slots	9
Motherboard Size	SSI CEB, E-ATX, Standard ATX, microATX, Mini-ITX
Front I/O Panel	- 4 x USB 3.0 with internal motherboard connector - 2 x USB 2.0 - Audio In/Out - Power and Reset buttons located on front panel of chassis

1.3 Included Screws

An inventory of all screws and intended usage and quantity is provided here:

- A. Front fan screw (4)
- B. HDD screw (50)
- C. CD-ROM screw (6)
- D. Motherboard screw (13)
- E. Motherboard standoff (4)
- F. Power supply screw (4)
- G. 2.5" tray-mount screw (16)
- H. Fan screw for HDD tray (4)



In order to ensure that your building experience with the NINETEEN HUNDRED will be a positive one, please take note of the following:

- While working inside your NINETEEN HUNDRED, keep your chassis on a flat, stable surface. Make sure your build environment is clean, well-lit, and free of dust.
- Antec chassis feature rounded edges that minimize the occurrence of hand injuries. Nonetheless, exercise caution and control when handling chassis interiors. We strongly recommend taking the appropriate time and care when working inside the chassis. Avoid hurried or careless motions.
- Handle components and cards with care. Do not touch the unshielded components or contacts on a card. Hold a card by its edges. Hold a component such as a processor by its edges, never by its pins.
- To avoid electrostatic discharge, ground yourself periodically by touching an unpainted metal surface (such as a connector or screw on the back of this computer) or by using a wrist grounding strap.
- Before you connect a cable, ensure that both connectors are correctly aligned and oriented. Bent pins can be difficult to fix and may require replacement of the entire connector.
- This manual is not designed to cover CPU, RAM, or expansion card installation. Please consult your 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 take before installing the motherboard.
- Do not sit on your chassis. Although it is constructed of heavy-duty steel and internally reinforced, it is not designed to support the weight of an adult, and may buckle.
- Remember to use the right tools for each task. Do not use improvised screwdrivers like coins, nails or knife blades as they may result in damage to screw threads or even injury. Do not use your fingernails to separate edges or lift the sides of the chassis, as paint chipping or injury may occur.

Section 2

Hardware Installation

2.1 Setting Up

Put the case upright on a flat, stable surface so that the rear panel (power supply and expansion slots) is facing you. To remove the left and right side panels, remove these thumbscrews first.

Note: Place the panel thumbscrews aside carefully and remember where they are.

Remove the panel by gripping the end of the panel at the top & bottom and swinging the panel outward. Do not pull the panel back toward the rear of the chassis.

CAUTION: Do not use your fingernails to pry or lift the panels. Damage to the panels or injury to your fingernails may result.



Remove the panel by the end of the panel at the top & bottom and swing the panel outward.

2.2 Motherboard Installation

Before proceeding:

Check the manual for your CPU cooler to find out if there are steps you must do before installing the motherboard.

Make sure you have the correct I/O panel for your motherboard. If the panel provided with the chassis isn't suitable, please contact your motherboard manufacturer for the correct I/O panel.



Make sure you have the correct I/O panel.

The NINETEEN HUNDRED comes with 9 preinstalled motherboard standoffs. These are positioned for Standard ATX motherboards but can be relocated to accommodate other form factors.

1. Align the motherboard with the standoff holes on the motherboard tray and remember or mark which holes are lined up
2. Install standoffs as needed and put the motherboard in.



Install the motherboard standoffs by aligning the motherboard with the standoff holes.

CAUTION

Make sure to remove any unused motherboard standoffs. They may come into contact with the back of the motherboard and may electrify your chassis exterior if left connected.

3. Screw your motherboard into the standoffs with the provided motherboard mounting screws.



Use the provided motherboard mounting screws to secure your motherboard into the standoffs.

2.3 Installing KUEHLER H₂O Liquid Coolers

The following instructs how to install the Antec KUEHLER H₂O liquid CPU cooler (620 / 920). For any other CPU coolers, please consult your manufacturer's installation guide.

Caution:

Check your motherboard's CPU socket to ensure its compatibility with the KUEHLER H₂O. The KUEHLER H₂O 620 / 920 is compatible with the following CPU sockets:

Intel® LGA 1155 / 1156 / 1366 / 2011*
AMD® AM2 / AM3 / AM2+ / AM3+ / FM1

*Your unit may not contain the LGA 2011 mounting bracket. To acquire this, please contact Antec customer support (information listed at end of manual).

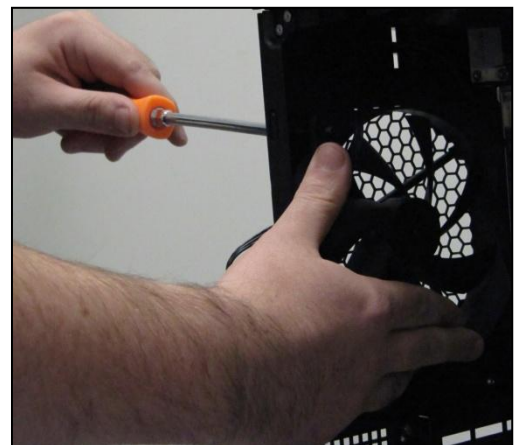
**Be sure to install the KUEHLER H₂O with the end of the tubes positioned at the bottom of the radiator.

1. Remove the rear fan by first disconnecting the power connector from the fan power hub directly above the fan.



Disconnect the 3-pin power connector.

2. Remove the screws on the back of the chassis while supporting the fan with your other hand.



Unscrew the rear fan to remove it.

3. Preparing the KUHLER H₂O backplate is specific to your CPU socket. Please refer to the KUHLER H₂O installation guide, available at http://www.antec.com/Believe_it/product.php?id=Mjc2OCYxNw== (KUHLER H₂O 620) or http://www.antec.com/Believe_it/product.php?id=NzA0MzZwJjE3 (KUHLER H₂O 920) for more information.
4. Prepare the retention ring according to the CPU socket you're using.
5. Complete installation according to the KUHLER H₂O instructions.

2.4 Power Supply Installation

1. With the case upright, place the power supply as illustrated in the image to the right.
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.

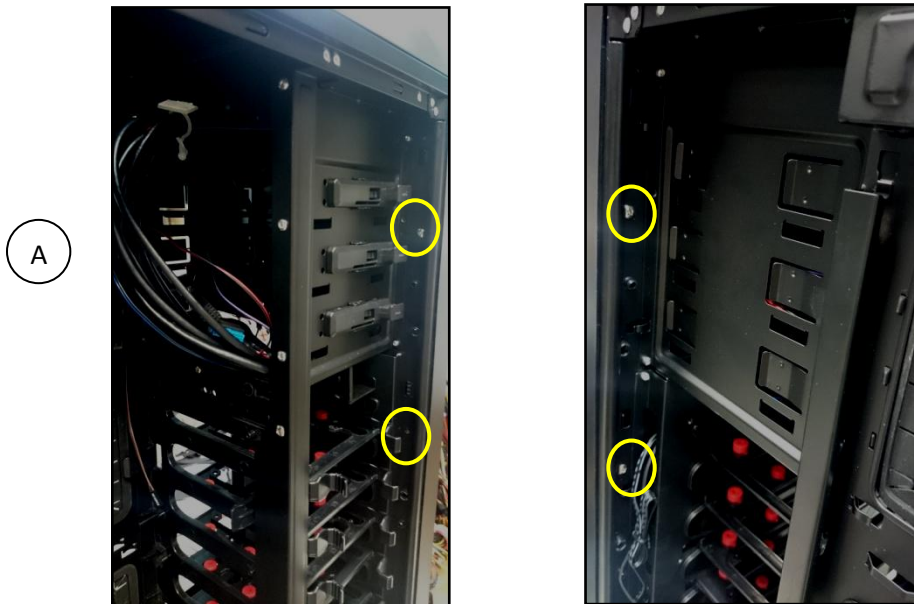


Attach the power supply with the provided screws.

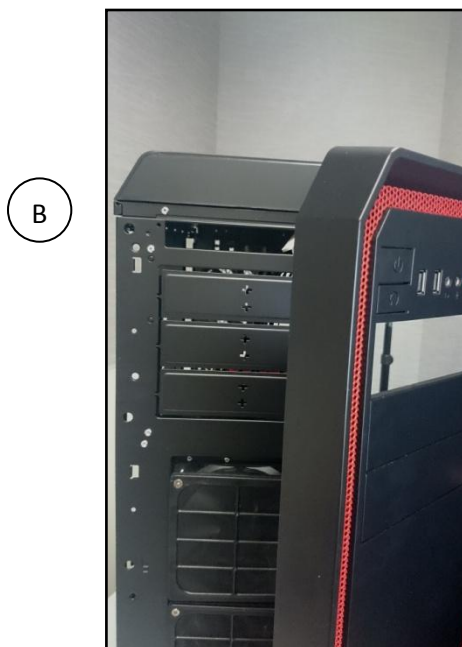
2.5 External 5.25" Device Installation

To install a 5.25" drive, you will need to remove the side panel and open the front door.
(For side panel removal, please see Section 2.1.)

1. For front panel removal, please remove the screws on the both sides first
2. With the side panel off, carefully push the drive bay cover out of the drive bay.
3. Slide your 5.25" drive through the front of the chassis until it lines up flush with the front bezel. You will feel the drive lock into position.
4. If you need more clearance on the inside of the chassis for your drive, pull the drive bay tab on the inside of the chassis toward you and push the drive in further.



Before open the front door, please remove the screws on the both sides, the yellow circles show screw located



To install a 5.25" drive, please open the front door.

C



D



*Make sure to also remove the side panel as well
(see Section 2.1 for more information)*

*(See step 3 above if you need more clearance
for your drive.)*

2.6 Internal 2.5"/3.5" Device Installation

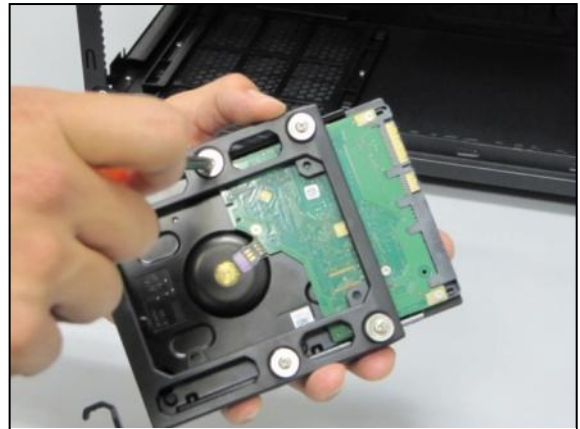
The NINETEEN HUNDRED has 12 drive bays that are compatible with both 3.5" and 2.5" drives.

To install a 3.5" drive:

1. Remove one of the drive trays by pinching the ends of the tray inward and pulling the drive tray out.
2. Place your 3.5" drive on the tray so that the holes line up with the silicone grommets.
3. Using the 3.5" drive screws (E in Section 1.3), secure your 3.5" drive to the tray. We recommend using your hand to find the exact threading of the drive's holes then using a screwdriver to completely secure your drive. **Do not over-tighten the screws** as this will minimize the grommets' ability to reduce vibration.



Use your hand to find the drive's holes.



Screw in the holes to secure your drive.

inch
the ends of the tray and insert your drive into
the bay. You will hear your device click into
place.



Pinch the ends of the tray and insert your drive until it clicks.

To install a 2.5" drive:

1. Extract one of the drive trays by pinching the ends of the tray inward and pulling the drive tray out.
2. Place your 2.5" drive on the tray so that the holes line up with the 2.5" tray holes.
3. Using the 2.5" drive screws (F in Section 1.3), secure your 3.5" drive to the tray with a screwdriver.
4. Now that your drive is secure to the tray, pinch the ends of the tray and insert your drive into the bay. You will hear your device click into place.
**If you need to install additional 5.25" drive bays, please remove the metal cover adjacent to the plastic drive bay cover.

1 & 2



3



4



2.7 Cable Management

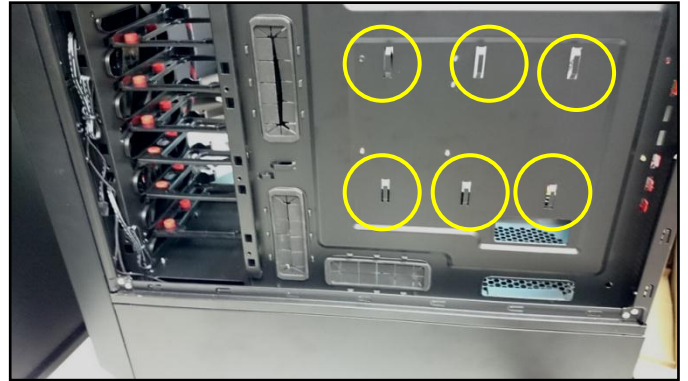
There is a cable management compartment between the motherboard and right side panel, as well as cable tiedowns located on the back of the motherboard panel. You can tuck excess cables in this compartment or route them to the drive bays.

Choose the cables you would like to pass through the holes behind the motherboard tray. Pull them through the hole toward the right side of the case.

Use the zip ties provided to hold your cables in place. Zip ties can be anchored to tiedown locations located on the back of the motherboard panel.

For cables which will be routed back to front drives or other internal accessories, feed the cables back through the insertion point nearest the destination of the cable. Connect the cable and then pull the slack back to the right side of the case.

For cables which will be routed directly to front drives or other internal accessories, cable tiedowns are located along the drive cage. Bundle front drives' or other internal accessories' cables together and secure them using tiedowns.



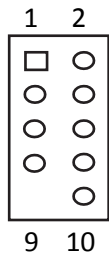
***Use the grommet-lined cable routing holes to route PSU cables.
The yellow circles show cable tiedown.***

Section 3

Front I/O Ports

3.1 USB 2.0

Connect the front I/O panel USB cable to the USB header pin on your motherboard. Check your motherboard user's manual to ensure that it matches the table below:

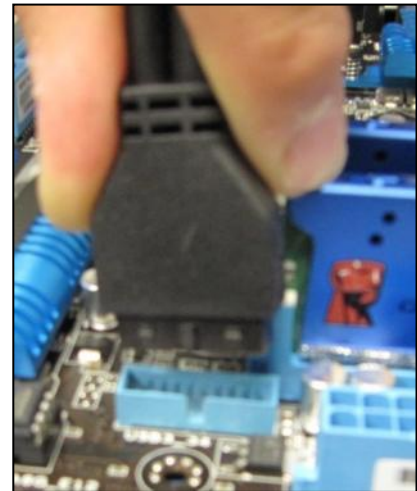


Pin	Signal Names	Pin	Signal Names
1	USBPower1	2	USBPower2
3	NegativeSignal1	4	NegativeSignal2
5	PositiveSignal1	6	PositiveSignal2
7	Ground1	8	Ground2
9	Key(No Connection)	10	Empty Pin

3.2 USB 3.0

The NINETEEN HUNDRED comes with four front panel USB 3.0 ports and includes an internal motherboard connector. To access USB 3.0 capability from the front panel:

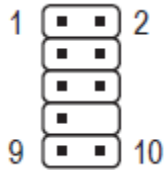
1. Identify the USB 3.0 header on your motherboard.
2. Connect the USB 3.0 header to the motherboard port. Be sure to align the connector in the proper orientation so that you do not damage the pins on your motherboard.



Align the connector properly to prevent damage to your motherboard.

3.3 AC'97 / HD Audio Ports

There is an Intel® standard 10-pin AC'97 connector and an Intel® 10-pin HDA (High Definition Audio) connector linked to the front panel of the chassis.

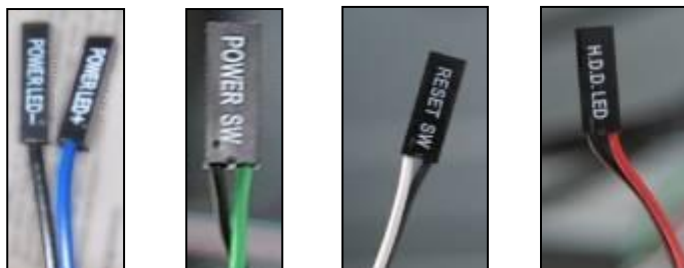


Pin	Signal Names (HDA)	Pin	Signal Names (AC'97)
1	MIC2L	1	MIC In
2	AGND	2	GND
3	MIC2R	3	MIC Power
4	AVCC	4	NC
5	FRO-R	5	Line Out(R)
6	MIC2_JD	6	Line Out(R)
7	F_IO_SEN	7	NC
8	Key (no pin)	8	Key (no pin)
9	FRO-L	9	Line Out(L)
10	LINE2_JD	10	Line Out(L)

You can connect either the AC'97 or the HDA connector, depending on your motherboard. Locate the internal audio connectors from your motherboard or sound card and connect the corresponding audio cable. Consult your motherboard or sound card manual for the pin-out positions. Even if your system supports both standards, only use one connector.

3.4 Power Switch / Reset Switch / Hard Disk Drive LED Connectors

Connected to your front panel are LED leads for power and HDD activity, as well as switch leads for the power and reset buttons. Attach these to the corresponding connectors on your motherboard. Consult your motherboard manual for specific pin header locations. 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 information on connecting LEDs to your motherboard, see your motherboard user's manual.



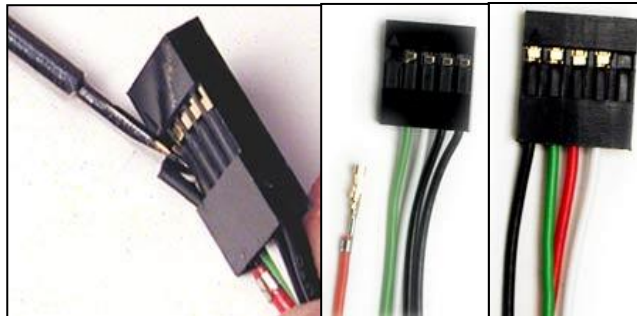
Front panel leads

Note: Polarity (positive and negative) does not matter for switches.

3.5 Rewiring Motherboard Header Connections

There may come a time when you need to reconfigure the pin-out of a motherboard header connector. Examples could be for your USB header, audio input header, or some other front panel connector such as the Power Button connector.

Before performing any work, please refer to your motherboard user's manual or your motherboard manufacturer's website to confirm the pin-out needed for your connector. We strongly recommend making a notated drawing before beginning work so that you can recover if your work gets disturbed.



Front panel headers

Determine which wires you need to remove in order to rewire your plug to match the USB pin-outs on your motherboard (refer to your motherboard user's manual). Working on one connector at a time, use a very small flathead screwdriver or similar tool to lift up on the black tab located beside the gold posts (squares). This will allow you to easily slide out the pins from the USB plug.

Working carefully so as not to damage the wires, connectors, or pins, slowly remove the pin from the connector. Repeat these steps for each wire you need to change.

Working carefully so as not to damage the wires, connectors or pins, slowly insert the pin into the correct slot of the connector then snap closed the black tab that was lifted in step 1. Repeat these steps for each wire you need to change.

Section 4

Cooling System

4.1 Included Fans

The NINETEEN HUNDRED comes with two standard top 120 mm TwoCool™ fans and a standard rear 120 mm TwoCool™ fan and three standard front 120 mm TwoCool™. These fans have two-speed switches on the rear of the case that let you choose the speed best suited to your need. The default fan speed setting is Low.

120 mm TwoCool™ fan specifications:

Size	120 x 25 mm two-speed fan
Rated Voltage	12V DC
Operating Voltage:	12V±10%

Speed	Input Current	Airflow	Static Pressure	Noise	Input Power
High 1500RPM ±10%	0.30A	1.43 m ³ / min (51.2CFM)	1.21 mm-H ₂ O (0.05 inch-H ₂ O)	27.9 dBA	3.6W
Low 900RPM ±10%	0.18A	0.84 m ³ / min (30.1CFM)	0.49 mm-H ₂ O (0.02i nch-H ₂ O)	16.9 dBA	2.2W

4.2 Optional Fans

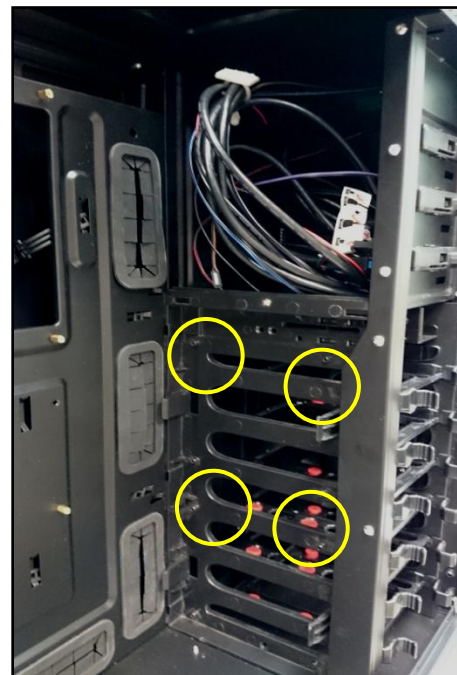
The NINETEEN HUNDRED includes mounts for up to two more fans. These mounts are as follows:

- 2 x internal intake 120 mm mounts

Internal intake 120 mm fans

Just outside of the 3.5" drive bay area are two fan mounts for 120 mm internal intake fans.

1. Align your fan with the pegs that correspond with the fan screw holes on the fan.
2. Push your fan into the slot until secure.
You will hear your fan lock into place when the brackets around the fan snap into place.



Align your fan with the pegs that correspond with the fan screw holes on the fan.



Secure an intake fan into place by aligning it with the pegs that correspond with the fan screw holes.

4.3 Fan Switch Controller

The NINETEEN HUNDRED has two-speed switches on the rear of the case that let you choose the speed best suited to your need.

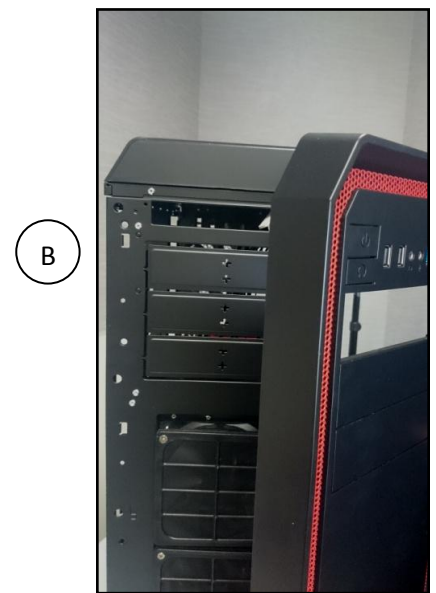
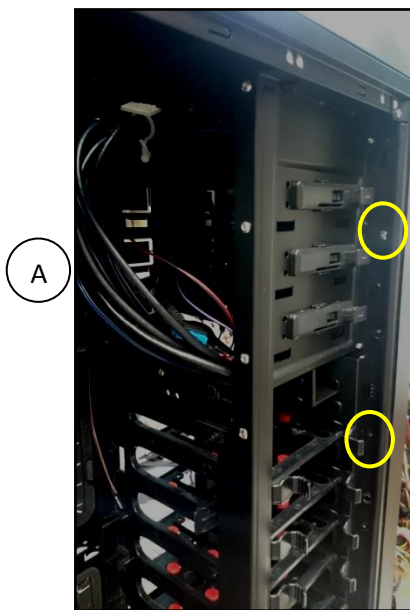
Low mode: 600 R.P.M
High mode: 1200 R.P.M



4.4 Air Filters

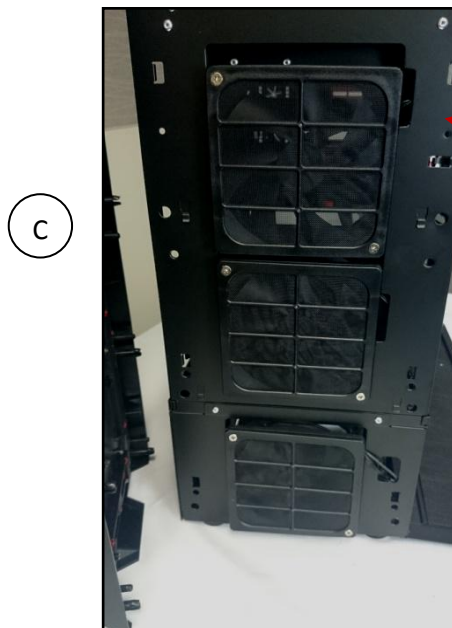
There are three air filters in the NINETEEN HUNDRED: Top, front and PSU intake filter that can be removed and washed. It is particularly noteworthy that the top and the front filters are combined with the fan.

Note: 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.



Before open the front door, please remove the screws on the both sides, the yellow circles show screw located.

You can access the front filter by opening the front panel.



Air filter

3x 120mm front intake FDB silent fan

The NINETEEN HUNDRED features a removable PSU filter that can be unlocked for maintenance and locked for transport. To remove the PSU filter, push the ends of the filter down then pull the filter toward you using the tab outside of the chassis. You can also lock the filter by pushing up on the tab (once the filter is completely inside the chassis).



***Remove the filter by pulling on the tab outside the chassis
(circled above)..***

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