



 **New Solution Series**

NSK 1380

User's Manual

Manuel de l'utilisateur

Anwenderhandbuch

Manuale per l'operatore

Manual del usuario

取扱説明書

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.

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.

New Solution Series User's Manual

NSK 1380

Micro ATX Cube Case

The Power Supply

The NSK 1380 comes with a 350-Watt power supply (PSU) that features universal input, active PFC, and is compatible with the ATX12V version 2.01 specifications. This power supply features a quiet 120mm low speed fan that exhausts heat from the case. This PSU has achieved 80 PLUS® Certification, the latest independent standard in power supply efficiency. It reduces power consumption by up to 25%, saving you money on your electricity bill. In addition it has a variety of industrial-grade protective circuitry: OPP (over power protection), OVP (over voltage protection), UVP (under voltage protection), and SCP (short circuit protection).

Setting Up

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 take reasonable precautions.

1. Take the case out of the box. Remove the packaging and plastic bag.
2. Put the case on a flat surface.
3. Place the case upright. The power supply fan in the back should be facing you.
4. Remove the screw from the rear of the case and remove the top panel by sliding it towards the rear of the case. Set the panel aside in a safe place.
5. There is a locking tab at the rear of each side panel. Squeeze and hold the tab while pushing the panel towards the front of the case to release the side panel. Take off both panels.
6. Inside the case, you'll see the power supply, some wiring with marked connectors (USB, PWR etc.), an installed I/O panel and a power cord. You'll also find a bag of hardware (screws, clip-on standoff, USB extension adapter, etc.).

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.

1. Lay the case down, with the open side facing up. The drive cages and power supply should be visible.
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. This case comes with three brass standoffs and three clip-on standoffs preinstalled for easy installation. Line up the holes on your motherboard with the standoffs, to install the motherboard slide the board towards the rear of the case until the hook on each of the clip-on standoffs “clipped” the holes on the motherboard.
Note: Not all motherboards will match with all of the provided screw holes, and this is not necessary for proper functionality.
4. Remove the motherboard by lifting it up.
5. Remove any of the pre-installed standoffs that aren’t needed. Insert any extra clip-on standoffs in your tool bag onto the holes should your motherboard require it.
6. Place the motherboard back on the standoffs.
7. Fasten the motherboard to the rest of the standoffs with the provided Philips-head screws. The motherboard is now installed.

Connecting the Power and LED

The power supply conforms to the ATX12V Version 2.01 standard. If the motherboard has a 20-pin power receptacle, detach the 4-pin attachment on the 24-pin power connector, see pictures 1 and 2. Before you connect the power supply to any of the devices, please consult the appropriate user manuals for the motherboard and other peripherals.

1. Connect the 24-pin Main Power Connector and the 4-pin connector to the motherboard as needed. If the motherboard uses a 20-pin connector, detach the 4-pin attachment on the 24-pin power connector (see pictures 1 and 2).

Picture 1



For 24-pin motherboards

Picture 2



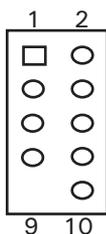
For 20-pin motherboards

- Note:** the detachable 4-pin section cannot be used in place of a 4-pin + 12V connector.
2. Power Switch (labeled POWER SW) connects to the PWR connector on the motherboard. Polarity (positive and negative) does not matter for switches.
 3. Connect the Reset switch (labeled RESET SW) to the motherboard at the RST connector.

Connecting the USB Ports

You will find a single 10-pin connector on a cable attached to the front USB ports. This Intel standard connector is keyed so that it can’t be accidentally reversed as long as it is connected to a proper Intel standard motherboard header. Connect the 10-pin connector to the motherboard headers so that the blocked pin fits over the missing header pin.

Motherboard Pin Layout

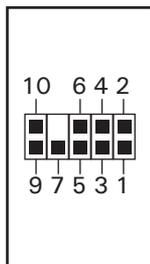


Pin	Signal Names	Pin	Signal Names
1	USB Power 1	2	USB Power 2
3	Negative Signal 1	4	Negative Signal 2
5	Positive Signal 1	6	Positive Signal 2
7	Ground 1	8	Ground 2
9	Key (No Connection)	10	Empty Pin

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 to your motherboard depending on the spec of the motherboard. If your motherboard supports Intel's standard onboard AC'97 audio connector, you can plug the AC'97 connector directly into the board. If your motherboard supports Intel's High Definition Audio, you can plug HDA onto the board. See instruction below:

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)

Locate the internal audio connectors from your motherboard or sound card. Consult your motherboard or sound card manual for the pin-out positions.

Hard Disk Drive Installation

The NSK1380 incorporates a rapid-release Flip Up Drive Cage for easy drive installation. The cage includes up to four drive bays: one external 5.25", three internal 3.5".

To install the external 5.25" device:

1. Remove the flip-up drive cage.
2. Insert the 5'25" device and align the screw holes to the front set of holes on the cage. Fasten the drive with the screws included. (See Picture 3)



Picture 3

To Install the internal 3.5" drives:

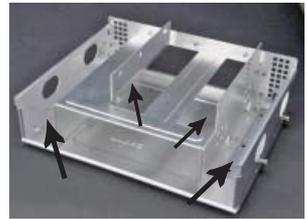
You can install up to three hard drives internally. We recommend installing your main drive under the 5.25" bay horizontally.

1. Insert the HDD to the drive bay under the 5.25" bay and fasten the drive with the special screws (the one with the rubber grommet.)

Note: The special screws will absorb the vibration from the hard drive to lower the noise. There are two strips of thermal interface tape on each side of the bay to dissipate heat away from the HDD to the cage. This will lower the HDD temperature. (See Picture 4)

2. You can also install two hard drives vertically side by side of the 5.25" bay. Thermal interface tape is also preinstalled to each of the drive bay. Fasten the drive vertically so that it hangs down from the cage.

Note: You may not be able to use the additional vertically mounted 3.5" drive bays if they interfere with other components you install in the case.



Picture 4

Top Case Vent

There are vents in the top panel to allow air exchange for the case.

Note: Please leave at least 1" (2.5cm) between the top of the case and anything that could block airflow to the power supply. This is required so that the power supply will have sufficient cooling.

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