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Gaming Case User Guide

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Before You Begin...

EVGA is reinventing the Full Tower case. The EVGA DG-8 Series is not just the large metal box of the past but now a focal point, with everything you would come to expect of the EVGA DG-8 Series, such as quality design, high end materials, premium finishes, and backed by EVGA's Legendary customer service. Made from Industrial grade SPCC Steel, ABS Plastic, with a metallic gunmetal grey coating and a Polycarbonate window, this is the perfect solution to both build your 4 Way SLI, water cooled, all solid state dream machine, and be eye catching so you have to show it off!

With the EVGA DG-8 Series you sacrifice NOTHING, designed for the best of the best hardware internally, the only thing that changes in this line are the finishes. You can opt for the baseline which will still support all your 4 way SLI and watercooling needs in a more basic package, all the way up to a smoked acrylic side panel window to see all your hard work on the building, and still have a 7 inch integrated touchscreen, HDMI, USB and audio jacks to make the case natively VR ready.





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Chassis Specifications

- **Dimensions / Weight**
  (L x W x H): 686 x 270 x 642mm 27 x 10.6 x 25.3”
  Weight: 19.6Kg / 43.2lb
- **Expansion Slots**
  9
- **Fans**
  4-8 x 120 / 140mm (depending on variant)
- **I / O Ports**
  USB 2.0 (Top)
  USB 3.0 (Front)
  USB Type-C (Front)
  HD Audio Out
  HD Audio In
  HDMI
  K-Boost
- **Form Factor**
  EATX
- **Motherboard / Graphics Card Support**
  Supports mini-ITX through EATX motherboards
  Supports most high performance graphics cards

Parts Descriptions / Equipment
The following accessories are included with the DG-8 Series Chassis :

- **EVGA DG-8 series Chassis**
  The EVGA DG full tower chassis.



- **24pcs PW Screw M3*0.5 L5**
  These screws are used for the motherboard, and hard drives.



- **20pcs Flat Screw M3*5 L4**
  These screws are used for the optical disc drive and are optional.



- **45pcs PH Screw #6-32*4.8L**
  Connects to an AC power sourece.



- **2pcs Screw,HEX Bolts #6-32*6.5L**
  Use these to connect your hard drive.



- **Manual**
  All the important information. You should know, you are reading it right now !

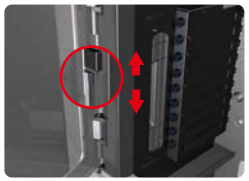


- **Removing the Front Panel**

  Press the button circled in red to open the door of the case.

  Push the hinge down, circled in red, down to remove the side panel.





- **Installing the Motherboard**

  Install the IO shield in the case before attempting to mount the board.

  Align the motherboard with the tray and make note of which standoff holes are needed for your specific motherboard.

  Thread the standoffs into the holes, and keep a count, depending on the motherboard you will need between 5 and 10 standoffs.



Rest the motherboard on the standoffs, aligning the holes on the board with the standoffs; make sure you have the same number of standoffs showing through the holes that you counted before installing the motherboard. If you do NOT, then you have one aligned on the bottom of the board which WILL cause a ground fault, and possibly damage the board if you attempt to use it like this.

Once all of the standoffs are account for through the holes in the board, attach the board to the chassis with the provided screws.

Tighten the screws. The board should now be properly aligned and mounted.

- **Installing PCI-E Graphics Card (s)**

  Remove the screws over the card slots, and remove the slot cover(s).

  Align the bus connector on the card with the slot, and insert the card. Any components the protrude from the devices mounting bracket should align with the slots at the back and be available for connection form the back of the case.

  Align the hole in the top of the mounting brack of the card previously inserted with the thraded hole that was holding the screw retaining the slot cover previously, and reinsert the screw, thightning it accordingly.

- **Connecting Front Panel LED / USB / Audio / etc Headers**



  Connect the Power LED and Power Switch cables. Make sure that the Power LED is in the correct + / - orientation. Please consult your motherboard documentation on the proper location for connection.



  The USB 3.0 Internal Cable allows for full support of USB 3.0 devices, please consult your motherboard documentation to properly connect this.



  The USB 2.0 Internal Cable allows for full support of USB 2.0 devices, please consult your motherboard documentation to properly connect this.



  The HD audio connector supports HD Audio, please consult your motherboard documentation on the proper location of connection.

A VR edition card can connect to the internal HDMI header on your graphics card to the HDMI out case header.



The bundled fans connect to standard 3pin fan headers on your control hub in the case which supports 6 3pin fans.



Connect the 4 pin Molex to power the fan controller



If you want to use the included case lighting, please attach a SATA power cable to the front panel as well.



Included Thermal probe will show ambient case temps.



All of the above are attached to this front panel device.



Fan controller operated between 5v-12v. However if you use a fan that requires less than 5v to function and the controller is set to its lowest setting, the fan will NOT spin. Fan headers are rated for a max current of 1 (one) amp / 12 Watts per header. **DO NOT ATTACH PUMPS TO THESE HEADERS**

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Included fans have a default setup speed of 50% for Intake and exhaust. The fans are increased by 5% with a press of the up button, and will go to 100% if that button is held.

Pressing the down button will reduce the fan speed by 5%, holding the down button will turn the fans off.

Press “Mode” to toggle between intake/exhaust fan speed, and case temp.

- **K-Boost Button Controls**

Pressing the KBoost button will activate the feature

With an NVidia GPU, it will go into KBoost mode, where it is locked at Boost Clock, the CPU will go into High Performance mode, and the fans will go to 100%

With a non-Nvidia GPU the CPU will still go into performance mode and the fans go to 100%

Pressing KBoost a second time will disable the function

Returns all applicable components to a normal state, and fans reduced to 50%.

KBoost fan speed range can be set. Press the KBoost button and set the desired fanspeed and it will be saved into the firmware.

LED will display case temp.

Press and hold the “mode” button will reset all values to default.

- **Removable 3.5” / 2.5”HDD Cage (s)**

These will mount in various places in your DG-8 series case.

Held to the case by sliding the edges under alignment tabs, then screwing down the opposite edge.



Bolt in a 3.5 or 2.5” SSD/HDD.

Make sure power and data cables are connected before powering on.



- **Installing in the 3.5” / 2.5” drive bay**

Remove the drive tray form the pull-out rack.



The removable tray can support either 3.5” or 2.5” HDD’s and SSD’s. Place the desired drive into the tray and attach with the screws included with your drive.

Slide the drive tray back into the rack, and ensure the power and data cable are connected on the back.



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2.5” only bay



This is a mounting bracket for a single 2.5” drive, these are mounted on the back of the motherboard tray.

Place the drive on the bracket and attach using the screws that came with the drive.



Slide the bracket onto the alignment tabs on the case, and then screw it down on the opposite side.

Ensure the power and data cables are attached before powering on.

Also keep in mind that the HDD/SSD mounts, due to the size of this case, are nearly 700mm away from the SATA ports on a standard motherboard. SATA cables longer than the standard 400mm will be necessary.

Fan installation / replacing

There is a maximum of 8 fans mounted to the case, 3 in front, 3 on top, and 2 at the rear, designed to create cross-flow ventilation.



All fans are attached with Self Tapping Screws.



Front fans are for intake, top are for exhaust, the rear can either be exhaust for the wind tunnel design, or intake to force all hot air through the top and maintaining positive air pressure in the case.

Press the button on the right side, then you can remove the cover, from there pull out filter.





For top cover, pull up and the top cover will come off, form there you can remove and clean the dust filter.





For the PSU filter, it can be slid out directly with no additional disassembly required.

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Compliance Information

- **FCC Compliance Information**

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Increase the separation between the equipment and signal source, or (2) connect the equipment to an outlet on a circuit different from that to which the signal source is connected. Consult the dealer or an experienced computer technician for help. The use of shielded cables for connection of peripheral devices to the PC systems is required to ensure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- **CE Compliance Information**

Generic Radiation Interference Standard for Information Technology Equipment. (EN 55022: 2006, Class B), (EN 61000-3-2: 2006), (EN 61000-3-3: 1995 + A1: 2001 + A2: 2005). Warning: This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measure. Generic Immunity Standard for Information Technology Equipment. (EN 55024: 1998 + A1: 2001 + A2: 2003).

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