

Installation Guide

Please read this installation guide carefully before installation

◆ Model

ZEROtherm®

VGA Cooler GX800, GX810

◆ Features

Heat Pipe & 2-ball Bearing Blower Fan

- Copper 6mm heat pipe for max. heat transfer
- 2-ball bearing blower fan adapted

Compatible with latest NVIDIA & ATI

- Support up to NVIDIA® GeForce® 7900 GTX
- Support up to ATi Radeon X1900XTX

Killer performance

- Copper base & 140pcs of extremely thins aluminum fins
- Optimized air flow & fin pitch

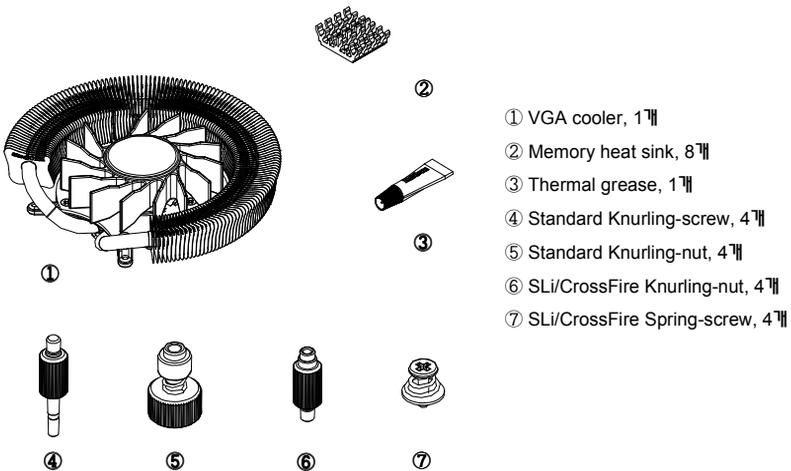
Silence Innovations

- Automatic fan speed control(900~2,500rpm)
- Acoustical noise level: 16.95~29.85dBA(± 10%)

◆ Specifications

| Items | Models | GX800 | GX810 |
|-------------------|--------|--|--------------|
| Platform | | NVIDIA & ATi Graphics card | |
| Heat Pipe | | Φ 6mm,Sintered wick type, 1ea | |
| Heatsink Material | | Aluminum | Copper |
| Base Material | | Copper | |
| Weight | | About 148.5g | About 188.2g |
| Size | | 116 x 100 x 32 mm (4.6 x 3.9 x 1.3 inch) | |
| Input power | | 2.4W (12VDCx0.2A) | |
| Bearing type | | 2-Ball bearing | |
| Fan speed | | 900~2,500rpm ± 10% | |
| Acoustical noise | | 16.95~29.85dBA @900~2,500rpm | |
| Connector | | 3pin-3wire to M/B or to PSU | |

◆ Components



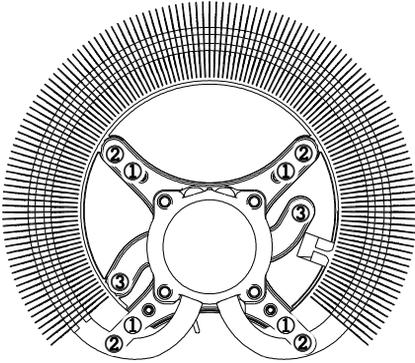
◆ Patents

- Registered Trade Mark: 40-0564565-0000호
- Patent application pending around the world including US, EU, Japan, China and Taiwan

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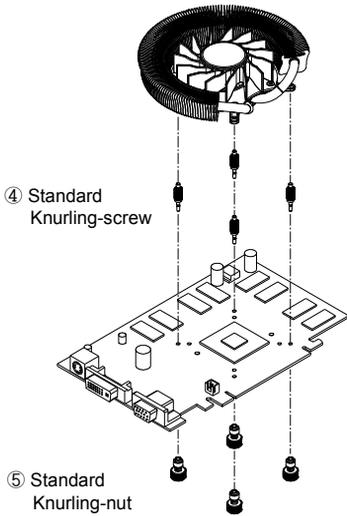
Compatible VGA Cards & Screws Installation Guide Holes



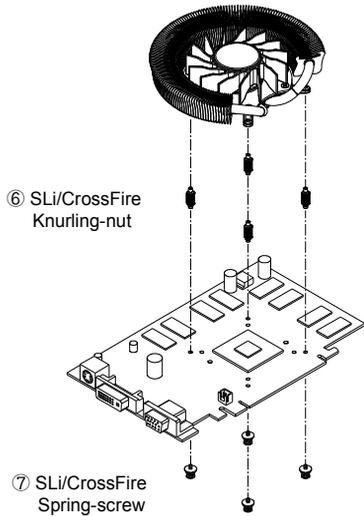
- ① NVIDIA GeForce 6600 Series (Except 6600 AGP)
NVIDIA GeForce 7600 Series
- ② NVIDIA GeForce 6800 Series
NVIDIA GeForce 7800 Series
NVIDIA GeForce 7900 Series
- ATI Radeon X1800 Series
ATI Radeon X1900 Series
- ③ ATI Radeon X1300 Series
ATI Radeon X1600 Series

Exploded View

When not using SLI/CrossFire



When using SLI/CrossFire



Notice

- This VGA cooler is designed to be installed on ATI & NVIDIA reference cards
- It is possible that there is an interference between this cooler and some VGA cards. If your VGA card and its components interfere with the installation of this cooler, stop installation.
- This cooler is not compatible with NVIDIA PCX 5 series, GeForce 6600 AGP series, ATI Radeon 9550/9600 series and Matrox VGA cards. Please check the compatibility at www.zerotherm.net (or www.apack.net)
- The installation of this cooler will make a PCI slot adjacent to the PCI (or AGP) slot unusable.
- If the air flow is clogged by cables, it will reduce the performance of this cooler.
- Be sure to be careful not to hurt yourself because the fins of this cooler have sharp corners.

Warranty

- Warranty: 2 years
- APACK, Inc. is not responsible for any damage to the product, and/or the computer including CPU resulted from:
 - 1) Incorrect installation
 - 2) VGA overclocking
- URL: <http://www.zerotherm.net>, <http://www.apack.net>
- E-mail: support@apack.net

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◆ Installation for standard user

1. Attach the memory heat sinks

Remove the previous VGA cooler from your VGA card.
Attach 8 pcs of memory heat sinks on the RAM of your VGA card like <picture 1>.

※ The thermal tapes on the memory heat sink are not reusable because the adhesiveness will be reduced after their first attachment.



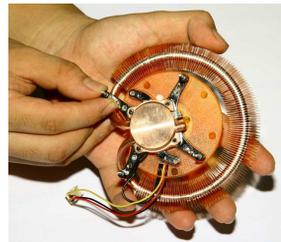
<picture 1>



<picture 2>

2. Paste the thermal grease on your GPU (or VPU)

Paste the thermal grease on the core your GPU (or VPU) of your VGA card like <picture 2>.

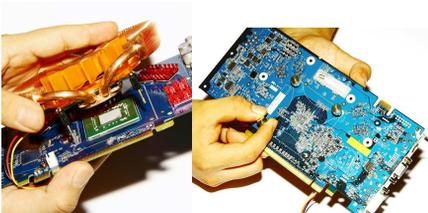


<picture 3>

3. Install the ④ standard knurling-screws

Install the end of ④ standard knurling-screws on the VGA cooler like <picture 3>.

※ Please check the list of Compatible VGA Card & Screws Installation Holes before installing the screws.



<picture 4>

4. Fasten the ⑤ standard knurling-nuts

Insert the VGA cooler into the holes on your VGA card and fasten the standard ⑤ knurling-nuts like <picture 4>

※ Make sure that the base of the VGA cooler and the GPU (or VPU) are completely in contact with each other.

※ Excessive force may result in malfunction or damage to the core of your GPU (or VPU).

5. Connect the fan-connector

Insert your VGA card into the PCI (or AGP) slot and connect the 3-pin connector to your motherboard or to your power supply unit like <picture 5>.

※ Do not connect the 3-pin connector to your VGA card.



<picture 5>

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◆ Installation for SLi/CrossFire users

1. Attach the memory heat sinks

Remove the previous VGA cooler from your VGA card.
Attach 8 pcs of memory heat sinks on the RAM of your VGA card like <picture 6>.

※ The thermal tapes on the memory heat sink are not reusable because the adhesiveness will be reduced after their first attachment.



<picture 7>

3. Install the ⑥ SLi/CrossFire knurling-nuts

Install the ⑥ SLi/CrossFire knurling-nuts on the VGA cooler like <picture 8>.

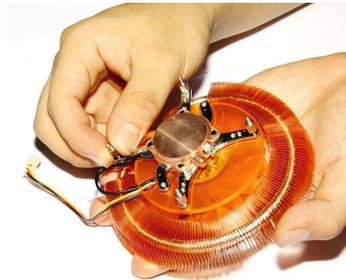
※ Please check the list of Compatible VGA Cards & Screws Installation Holes before installing the screws.



<picture 6>

2. Paste the thermal grease on your GPU (or VPU)

Paste the thermal grease on the core of your GPU (or VPU) of your VGA card like <picture 7>.



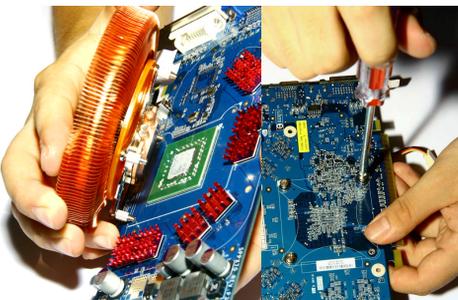
<Picture 8>

4. Fasten ⑦ SLi/CrossFire Spring-screws

Fit the VGA cooler and the installed ⑥ SLi/CrossFire knurling-nuts into the holes on your VGA card. Fasten ⑦ SLi/CrossFire spring-screws with a screw driver from the bottom of your VGA card like <picture 9>.

※ Make sure that the base of the VGA cooler and the GPU (or VPU) are completely in contact with each other.

※ Excessive force may result in malfunction or damage to the core of your GPU (or VPU).



<picture 9>

5. Connect the fan-connector

Insert your VGA card into the PCI (or AGP) slot and connect the 3-pin connector to your motherboard or to your power supply unit like <picture 10>.

※ Do not connect the 3-pin connector to your VGA card



<picture 10>