

ZOTAC
MAG
MINI ALL-IN-ONE GIANT



USER'S MANUAL

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ZOTAC MAG system

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

ZOTAC MAG

MINI ALL-IN-ONE GIANT

Table of Contents

Product Specifications	1
Safety information	2
Welcome	3
Package contents	3
Getting to know your ZOTAC MAG	4
Front view	4
Rear view	4
Positioning your ZOTAC MAG	5
Installing the stand	5
Mounting your ZOTAC MAG to a monitor	5
Setting up your ZOTAC MAG	6
Connecting to a display	6
Connecting to USB devices	6
Connecting to a network device	6
Turning on the system	6
Installing drivers and software	7
Installing system drivers	7
Using your ZOTAC MAG	8
Configuring wireless network connection	8
Configuring wired network connection	8
Using a static IP	8
Using a dynamic IP (PPPoE connection)	9
Configuring audio output via an HDMI device	9

Product Specifications

Chipset

- NVIDIA ION series

ZOTAC MAG Dimensions

- 7.32 inch x 7.44 inch x 1.50 inch (186mm x 189mm x 38mm)

Microprocessor support

- Intel ATOM 230/330 CPU
- 533MHz FSB

Operating system support

- Supports Windows XP 32-bit/64-bit, Windows Vista 32-bit/64-bit, and Windows 7 32-bit/64-bit
- Supports Linux

System memory support

- Supports DDR2 667/800 up to 4GB of memory
- Supports Dual Channel DDR2 memory

USB 2.0 ports

- Supports Plug 'n Play
- 6 USB 2.0 ports (one front, one top, four rear panel ports)
- Supports USB 2.0 protocol up to 480 Mbps transfer rate

Onboard Serial ATA 3.0Gbps

- Data transfer rates of 3.0 Gb/s
- 1 eSATA port

Memory card reader

- 4-in-1 (supports SD/MS/MS Pro/xD)

Networking

- Onboard RTL8211CL Gigabit LAN (10/100/1000Mbps)
- Onboard 802.11n WiFi

Onboard Audio

- 8-channel digital LPCM audio (HDMI connection)
- 2-channel High-Definition audio (analog connection)
- Supports intelligent Jack-Sensing function
- Optical S/PDIF output

Eco-friendly design

- Supports ACPI (Advanced Configuration and Power Interface)

Onboard Graphics support

- Integrated 300MHz RAMDAC for analog display with resolutions up to 1920 x 1440 at 75HZ
- Integrated NVIDIA ION graphics processor with DirectX® 10 support
- Simultaneous VGA & HDMI outputs (dual-display ready)

Safety information

Your ZOTAC MAG is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heat source such as a radiator.
- Set up the system on a stable surface with the provided stand. Never use the system alone without the stand.
- Openings on the chassis are for ventilation. Do not block or cover these vents. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0°C and 35°C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Use only with power adapter supplied
- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on the system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
 - The power cord or plug is damaged.
 - Liquid has been spilled into the system.
 - The system does not function properly even if you follow the operating instructions.
 - The system was dropped or the cabinet is damaged.
 - The system performance changes.

Welcome

Congratulations on your purchase of the ZOTAC MAG. The following illustration displays the package contents of your new ZOTAC MAG. If any of the below items is damaged or missing, contact your retailer.

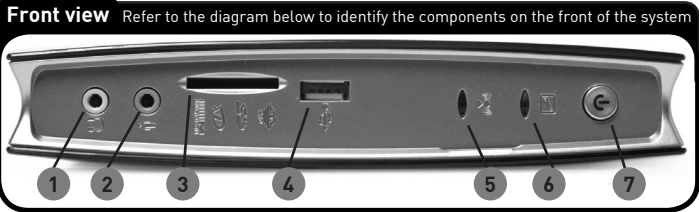
Package contents

- 1 x ZOTAC MAG
- 1 x Stand
- 1 x VESA mount
- 4 x mount screws
- 1 x AC Adapter
- 1 x Power Cord
- 1 x Warranty Card
- 1 x User Manual
- 1 x Support CD



Getting to know your ZOTAC MAG

- Headphone/Audio Out jack** - The stereo headphone jack (3.5mm) is used to connect the system's audio output to amplified speakers or headphones.



- Microphone jack** - The microphone jack is designed to connect a microphone used for video conferencing, voice narrations or simple audio recordings.
- Memory card reader** - The built-in memory card reader is compatible with SD/MS/MS Pro/XD cards used in devices like digital cameras, MP3 players, mobile phones and PDAs.
- USB 2.0 ports** - The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras and hard disk drives. USB ports allow many devices to run simultaneously on a single computer, with some peripherals acting as additional plug-in sites or hubs.
- WiFi LED** - The WiFi LED blinks when data is being transferred over WiFi.
- Hard drive LED** - The hard drive LED blinks when data is being written to or read from the hard disk drive.
- Power button** - The power switch powers the system ON and OFF.

- eSATA** - The external SATA port is compatible with e.SATA devices such as external hard drives and Blu-ray drives.



- USB 2.0 port** - The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras and hard disk drives. USB allows many devices to run simultaneously on a single computer, with some peripherals acting as additional plug-in sites or hubs.
- LAN port** - The eight-pin RJ-45 LAN port supports standard Ethernet cables for connection to a local network.
- VGA port** - The VGA port supports connection to analog monitors and displays.
- HDMI port** - The HDMI (High Definition Multimedia Interface) port supports a Full-HD device such as an LCD TV or monitor to allow viewing on a larger external display.
- Optical S/PDIF output jack** - Plug an optical cable into this jack for digital audio transfer to a stereo receiver or speakers.
- Power input [DC19V]** - The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the PC. To prevent damage to the PC, only use the supplied power adapter. Note: the power adapter may become warm to hot when in use. Do not cover the adapter and keep it away from your body.

- Status LED** - The yellow status LED reports the ACPI functions of the system. The different displays the LED can display is as follows:

System is on	LED is on
System is off	LED is off
System is in standby mode	LED flashes slowly

Side view



Positioning your ZOTAC MAG

Note: Do not position the ZOTAC MAG where the ventilation holes are covered. To guarantee proper use, leave 4 inches (10cm) spacing in front of the ventilation holes.

Installing the stand

Stand your ZOTAC MAG upright with the supplied stand. To do so:

1. Locate the keyed hole on the bottom of the ZOTAC MAG (fig. 1).
2. Align the stand with the keyed hole on the ZOTAC MAG (fig. 2)
3. Slide the stand forward to lock stand into place.

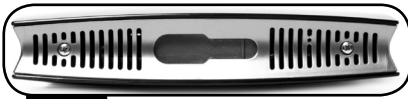


Fig. 1



Fig. 2

Mounting your ZOTAC MAG to a monitor

You can also mount the ZOTAC MAG to the back of a monitor that features VESA-compliant mounting holes (VESA 75 or VESA 100 mounting patterns). To do so:

1. Secure the VESA mount to your monitor with four screws (HNM/M4x8) (fig. 3).
2. Place your ZOTAC MAG on the VESA mount noting the correct alignment and then snap the ZOTAC MAG into place, ensuring the ZOTAC MAG is securely attached (fig. 4).

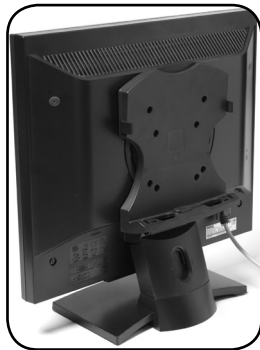


Fig. 3



Fig. 4

Setting up your ZOTAC MAG

Connect the peripherals before using your ZOTAC MAG.



1 Connecting to USB devices

Connect USB devices such as keyboards (varying with areas), mice and printers to the USB ports on the system rear panel.

2 Connecting to a network device

Connect one end of a network cable (RJ45 connector) to the LAN port on the system rear panel and the other end to a hub, switch or router.

3 Connecting to a display

Connect one end of the supplied video cable to a TV or monitor and the other end to the HDMI or VGA port.

4 Turning on the system

Plug the supplied AC adapter into the power outlet and then connect the other end into the DC IN jack on the system rear panel. Press the power button on the front panel to turn on the system.

Installing drivers and software

Installing an operating system

The ZOTAC MAG does not ship with an operating system preinstalled. The user must install the operating system before the ZOTAC MAG can be used. The following operating systems are supported:

- Windows® XP
- Windows® Vista
- Windows® 7
- Several Linux distributions

Follow the instructions below to install an operating system:

1. Attach external CD/DVD drive via USB or eSATA
2. Insert disk for operating system (Windows or Linux).
3. Wait for the ZOTAC MAG to boot from the disk.
4. Follow the onscreen directions to install the operating system.
5. Install system drivers to gain full functionality of the ZOTAC MAG hardware and features.

Installing system drivers

Before you can use the full features of the ZOTAC MAG, the system drivers must be installed. The following types of operating systems are supported by the ZOTAC MAG driver CD:

- Windows® XP
- Windows® Vista
- Windows® 7

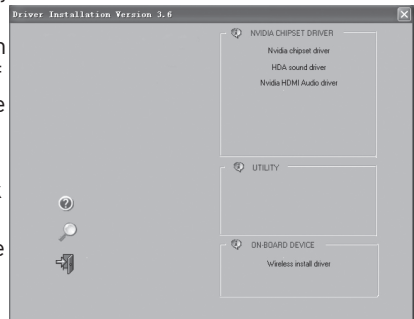
Follow the instructions below to install the system drivers:

1. Insert the ZOTAC MAG driver CD. If autorun is enabled, the driver installation main menu will show up automatically. If autorun is disabled, you may click the file Launch.EXE to bring up the driver installation main menu. Windows Vista may ask for further confirmation, please click "Allow" or "OK" to proceed.
2. The following drivers are available on the CD:

- NVIDIA chipset driver
- HDA sound driver
- NVIDIA HDMI Audio driver
- Wireless LAN driver

Note: Each driver must be installed individually to ensure proper operation of the ZOTAC MAG.

3. Select the driver you want to install. The driver installer should launch.
4. Follow the onscreen instructions to install the drivers.
5. Restart the system.



Using your ZOTAC MAG

Configuring wireless connection

Follow the instructions below to connect to a wireless network:

Important: For security concerns, Do NOT connect to an unsecured network, otherwise, the transmitted information without encryption might be visible to others.

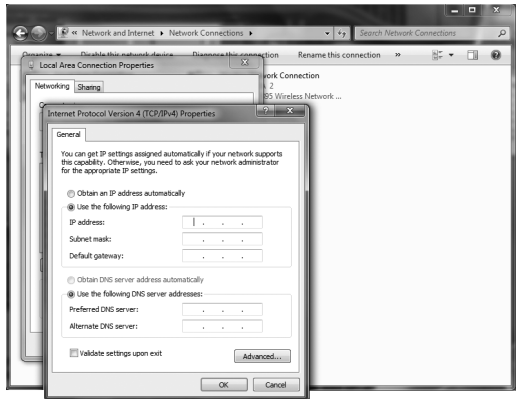
1. Double-click the crossed wireless network icon (image) on the notification area.
2. Select the wireless network you want to connect to from the list and click Connect.
Note: Enter the network security key if necessary.
3. After the connection is established, you will see Connected.



Configuring wired connection

Using a static IP

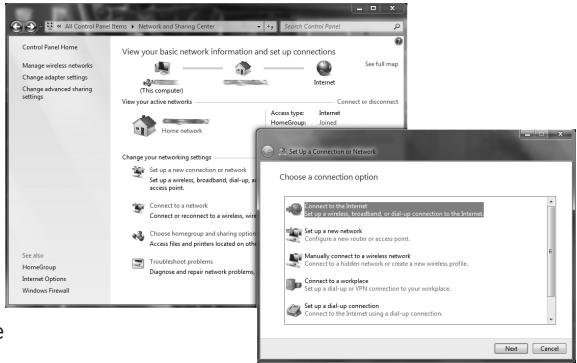
1. Right-click the network icon on the notification area and select Open Network Connections.
2. Right-click Local Area Connection and select Properties.
3. Highlight Internet protocol (TCP/IP) and click Properties.
4. Select Use the following IP address.
5. Enter your IP address, subnet mask and Default gateway.
6. If needed, enter the preferred DNS server address.
7. After entering all of the related values, click OK to finish the configuration.



Using a dynamic IP (PPPoE connection)

1. Repeat Step 1-3 in the previous section.
2. Select Obtain an IP address automatically and click OK.
3. Click Create a new connection to start the NEW Connection Wizard.
4. Click Next.
5. Select Connect to the Internet and click Next.
6. Select Set up my connection manually.
7. Select your connection type and click Next.
8. Enter your ISP Name and click Next.
9. Enter your User name and Password. Click Next.
10. Click Finish to finish the configuration.
11. Enter your user name and password. Click Connect to connect to the Internet.

Notice : Contact your internet Service Provider (ISP) if you have problems connecting to the network.



Configuring audio output via an HDMI device

If you use your TV with an HDMI connector as an audio output device, connect it to your ZOTAC MAG and follow the steps below to configure audio settings:

Note: The screenshots shown in this section are for the Windows® Vista operating system.

1. Access the Sound settings via the system Control Panel
2. Under Playback devices, click the NVIDIA HDMI Audio device
3. Click the "Set as Default" in the lower right hand corner.
4. Click OK to exit the setup.



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ZOTAC

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