

Wind Box DC110

Personal Computer

MS-B062 (V1.X) System

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Copyright Notice

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Trademarks

All trademarks are the properties of their respective owners.

- MSI is a registered trademark of Micro-Star Int'l Co., Ltd.
- Intel is a registered trademark of Intel Corporation.
- Realtek is a registered trademark of Realtek Semiconductor Corporation.
- Windows is a registered trademark of Microsoft Corporation.

Revision

Revision	Date
V1.0	2012/ 11

Upgrade and Warranty

Please note that certain components preinstalled in the product may be upgradable or replaceable by user's request. To learn more about upgrade limitation, please refer to the specifications in the User's Manual. For any further information about the product users purchased, please contact the local dealer. Do not attempt to upgrade or replace any component of the product if you are not an authorized dealer or service center, since it may cause the warranty void. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.

Acquisition of Replaceable Parts

Please be noticed that the acquisition of replaceable parts (or compatible ones) of the product users purchased in certain countries or territories may be fulfilled by the manufacturer within 5 years at most since the product has been discontinued, depending on the official regulations declared at the time.

Please contact the manufacturer via <http://support.msi.com/> for the detailed information about the acquisition of spare parts.

Technical Support

If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please try the following help resources for further guidance.

- ☐ Visit the MSI website for technical guide, BIOS updates, driver updates and other information via <http://www.msi.com/service/download/>
- ☐ Contact our technical staff via <http://support.msi.com/>

Green Product Features

- ☐ Reduced energy consumption during use and stand-by
- ☐ Limited use of substances harmful to the environment and health
- ☐ Easily dismantled and recycled
- ☐ Reduced use of natural resources by encouraging recycling
- ☐ Extended product lifetime through easy upgrades
- ☐ Reduced solid waste production through take-back policy

Environmental Policy

- ☐ The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- ☐ Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.
- ☐ Visit the MSI website and locate a nearby distributor for further recycling information.
- ☐ Users may also reach us at gpgreenteam@msi.com for information regarding proper Disposal, Take-back, Recycling, and Disassembly of MSI products.



Safety Instructions



Read the safety instructions carefully and thoroughly.
All cautions and warnings on the equipment or user's manual should be noted.



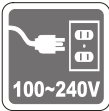
Keep the User's Guide that comes with the package for future reference.



Keep this equipment away from humidity and high temperature.



Lay this equipment on a reliable flat surface before setting it up.



- ❶ Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet. Do not disable the protective earth pin from the plug. The equipment must be connected to an earthed mains socket-outlet.
- ❷ Always unplug the AC power cord before installing any add-on card or module to the equipment.
- ❸ Always disconnect the AC power cord or switch the wall socket off if the equipment would be left unused for a certain time to achieve zero energy consumption.



The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator.



Do not leave the equipment in an unconditioned environment with a storage temperature above 60°C (140°F) or below 0°C (32°F), which may damage the equipment.

NOTE: The maximum operating temperature is around 35°C.



Never pour any liquid into the opening that could damage or cause electrical shock.



Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.



When installing the coaxial cable to the TV Tuner, it is necessary to ensure that the metal shield is reliably connected to protective earthing system of the building.

Cable distribution system should be grounded (earthed) in accordance with ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable.



Always keep the strong magnetic or electrical objects away from the equipment.

If any of the following situations arises, get the equipment checked by service personnel:



- ☐ The power cord or plug is damaged.
- ☐ Liquid has penetrated into the equipment.
- ☐ The equipment has been exposed to moisture.
- ☐ The equipment does not work well or you can not get it work according to user's manual.
- ☐ The equipment has dropped and damaged.
- ☐ The equipment has obvious sign of breakage.

1. The optical storage devices are classified as CLASS 1 LASER PRODUCT. Use of controls or adjustments or performance of procedures other than those specified is prohibited.
2. Do not touch the lens inside the drive.



廢電池請回收

For better environmental protection, waste batteries should be collected separately for recycling or special disposal.



CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.

CE Conformity

Hereby, Micro-Star International CO., LTD declares that this device is in compliance with the essential safety requirements and other relevant provisions set out in the European Directive.



FCC-B Radio Frequency Interference Statement

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 instruction manual, 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 measures listed below:



- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

VOIR LA NOTICE D'INSTALLATION AVANT DE RACCORDER AU RESEAU.

This device complies with Part 15 of the FCC Rules. 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.

WEEE Statement



(English) Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

(French) (Français) Au sujet de la directive européenne (EU) relative aux déchets des équipement électriques et électroniques, directive 2002/96/EC, prenant effet le 13 août 2005, que les produits électriques et électroniques ne peuvent être déposés dans les décharges ou tout simplement mis à la poubelle. Les fabricants de ces équipements seront obligés de récupérer certains produits en fin de vie.

(German) (Deutsch) Gemäß der Europäischen Union ("EU") Richtlinie über Elektro- und Elektronik-Altgeräte (Richtlinie 2002/96/EG) mit Wirkung vom 13. August 2005, dürfen Elektro- und Elektronikgeräten nicht mehr als Hausmüll entsorgt werden. Der Hersteller verpflichtet sich zur Rücknahme solcher Produkte am Ende ihrer Nutzungsdauer.

(Spanish) (Español) Bajo la directiva 2002/96/EC de la Unión Europea en materia de desechos y/o equipos electrónicos, con fecha de rigor desde el 13 de agosto de 2005, los productos clasificados como "eléctricos y equipos electrónicos" no pueden ser depositados en los contenedores habituales de su municipio, los fabricantes de equipos electrónicos, están obligados a hacerse cargo de dichos productos al termino de su período de vida.

(Italian) (Italiano) In base alla Direttiva dell'Unione Europea (EU) sullo Smaltimento dei Materiali Elettrici ed Elettronici, Direttiva 2002/96/EC in vigore dal 13 Agosto 2005, prodotti appartenenti alla categoria dei Materiali Elettrici ed Elettronici non possono più essere eliminati come rifiuti municipali: i produttori di detti materiali saranno obbligati a ritirare ogni prodotto alla fine del suo ciclo di vita.

(Russian) (Русский) В соответствии с директивой Европейского Союза (ЕС) по предотвращению загрязнения окружающей среды использованным электрическим и электронным оборудованием (директива WEEE 2002/96/EC), вступающей в силу 13 августа 2005 года, изделия, относящиеся к электрическому и электронному оборудованию, не могут рассматриваться как бытовой мусор, поэтому производители вышеперечисленного электронного оборудования обязаны принимать его для переработки по окончании срока службы.

(Turkish) (Türkçe) Avrupa Birliği (AB) Kararnamesi Elektrik ve Elektronik Malzeme Atığı, 2002/96/EC Kararnamesi altında 13 Ağustos 2005 tarihinden itibaren geçerli olmak üzere, elektrikli ve elektronik malzemeler diğer atıklar gibi çöpe atılamayacak ve bu elektronik cihazların üreticileri, cihazların kullanım süreleri bittikten sonra ürünleri geri toplamakla yükümlü olacaktır.

(Greek) (**Ελληνικά**) Σύμφωνα με την Οδηγία 2002/96/ΕΚ της Ευρωπαϊκής Ένωσης («ΕΕ») περί Απόρριψης Ηλεκτρικού και Ηλεκτρονικού Εξοπλισμού (WEEE), η οποία λαμβάνει ισχύ στις 13 Αυγούστου 2005, τα προϊόντα «ηλεκτρικού και ηλεκτρονικού εξοπλισμού» δεν είναι δυνατόν να απορριφθούν πλέον ως κοινά απορρίμματα και οι κατασκευαστές κεκαλυμμένου ηλεκτρονικού εξοπλισμού είναι υποχρεωμένοι να πάρουν πίσω αυτά τα προϊόντα στο τέλος της ωφέλιμης ζωής τους.

(Polish) (**Polski**) Zgodnie z Dyrektywą Unii Europejskiej ("UE") dotyczącą odpadów produktów elektrycznych i elektronicznych (Dyrektywa 2002/96/EC), która wchodzi w życie 13 sierpnia 2005, tzw. "produkty oraz wyposażenie elektryczne i elektroniczne" nie mogą być traktowane jako śmieci komunalne, tak więc producenci tych produktów będą zobowiązani do odbierania ich w momencie gdy produkt jest wycofywany z użycia.

(Hungarian) (**Magyar**) Az Európai Unió („EU”) 2005. augusztus 13-án hatályba lépő, az elektromos és elektronikus berendezések hulladékairól szóló 2002/96/EK irányelve szerint az elektromos és elektronikus berendezések többé nem kezelhetők lakossági hulladékként, és az ilyen elektronikus berendezések gyártói kötelesek válnak az ilyen termékek visszavételére azok hasznos élettartama végén.

(Czech) (**Čeština**) Podle směrnice Evropské unie ("EU") o likvidaci elektrických a elektronických výrobků 2002/96/EC platné od 13. srpna 2005 je zakázáno likvidovat "elektrické a elektronické výrobky" v běžném komunálním odpadu a výrobci elektrických výrobků, na které se tato směrnice vztahuje, budou povinni odebrat takové výrobky zpět po skončení jejich životnosti.

(Traditional Chinese) (**繁體中文**) 歐盟已制訂有關廢電機電子設備法令，亦即自2005年8月13日生效的2002/96/EC，明文規定「電機電子設備產品」不可再以都市廢棄物處理，且所有相關電子設備製造商，均須在產品使用壽命結束後進行回收。

(Simplified Chinese) (**简体中文**) 欧盟已制订有关废电机电子设备法令，亦即自2005年8月13日生效的2002/96/EC，明文规定「电机电子设备产品」不可再以都市废弃物处理，且所有相关电子设备制造商，均须在产品使用寿命结束后进行回收。

(Japanese) (**日本語**) 2005年8月13日以降にEU加盟国を流通する電気・電子製品にはWEEE指令によりゴミ箱に×印のリサイクルマークの表示が義務づけられており、廃棄物として捨てることの禁止とリサイクルが義務づけられています。

(Korean) (**한국어**) 2005년 8월 13일자로 시행된 폐전기전자제품에 대한 유럽연합("EU") 지침, 지침 2002/96/EC에 의거하여, "전기전자제품"은 일반 쓰레기로 폐기할 수 없으며 제품의 수명이 다하면 해당 전자제품의 제조업체가 이러한 제품을 회수할 책임이 있습니다.

(Vietnam) (**Tiếng Việt**) Theo Hướng dẫn của Liên minh Châu Âu ("EU") về Thiết bị điện & điện tử đã qua sử dụng, Hướng dẫn 2002/96/EC, vốn đã có hiệu lực vào ngày 13/8/2005, các sản phẩm thuộc "thiết bị điện và điện tử" sẽ không còn được vứt bỏ như là rác thải đồ thị nữa và các nhà sản xuất thiết bị điện tử tuân thủ hướng dẫn sẽ phải thu hồi các sản phẩm này vào cuối vòng đời.

(Thai) (**ไทย**) ภายใต้ข้อกำหนดของสหภาพยุโรป ("EU") เกี่ยวกับของเสียจากอุปกรณ์ไฟฟ้าและอิเล็กทรอนิกส์ เลขที่ 2002/96/EC ซึ่งมีผลบังคับใช้ตั้งแต่วันที่ 13 สิงหาคม 2005 ผู้ใช้ไม่สามารถทิ้งผลิตภัณฑ์ที่เป็น "อุปกรณ์ไฟฟ้าและอิเล็กทรอนิกส์" ปะปนกับของเสียทั่วไปของชุมชนได้อีกต่อไป และผู้ผลิตอุปกรณ์อิเล็กทรอนิกส์ดังกล่าวจะถูกบังคับให้นำผลิตภัณฑ์ดังกล่าวกลับคืนเมื่อสิ้นสุดอายุการใช้งานของผลิตภัณฑ์

(Indonesia) (**Bahasa Indonesia**) Sesuai dengan Peraturan Uni Eropa ("UE") perihal WEEE (Limbah Peralatan Listrik dan Elektronik), Directive 2002/96/EC, yang berlaku sejak 13, 2005, produk "peralatan listrik dan elektronik" tidak lagi dapat dibuang sebagai sampah umum dan pabrik peralatan elektronik diwajibkan untuk mengambil kembali produk tersebut pada saat masa pakainya habis.

(Serbian) (**Srpski**) Po Direktivi Evropske unije ("EU") o odbačenju elektonskih i električnih opremi, Direktiva 2002/96/EC, koja stupa na snagu od 13. Avgusta 2005, proizvodi koji spadaju pod "elektronsku i električnu opremu" ne mogu više biti odbačeni kao običan otpad i proizvođači ove opreme biće prinuđeni da uzmu natrag ove proizvode na kraju njihovog uobičajenog veka trajanja.

(Netherlands) (**Nederlands**) De richtlijn van de Europese Unie (EU) met betrekking tot Vervuiling van Electriche en Electronische producten (2002/96/EC), die op 13 Augustus 2005 in zal gaan kunnen niet meer beschouwd worden als vervuiling. Fabrikanten van dit soort producten worden verplicht om producten retour te nemen aan het eind van hun levenscyclus.

(Romanian) (**Română**) În baza Directivei Uniunii Europene ("UE") privind Evacuarea Echipamentului Electric și Electronic, Directiva 2002/96/EC, care intră în vigoare pe 13 august, 2005, produsele din categoria "echipament electric și electronic" nu mai pot fi evacuate ca deșeuri municipale, iar fabricanții echipamentului electronic vizat vor fi obligați să primească înapoi produsele respective la sfârșitul duratei lor de utilizare.

(Portuguese) (**Português**) De acordo com a Directiva 2002/96/EC de Resíduos de Equipamentos Eléctricos e Electrónicos da União Europeia (UE), efectiva desde o 13 de Agosto do ano 2005, os produtos de "equipamento eléctrico e electrónico" não podem ser descartados como resíduo municipal e os fabricantes do equipamento electrónico sujeitos a esta legislação estarão obrigados a recolher estes produtos ao finalizar sua vida útil.

(Swedish) (**Svenska**) Under Europeiska unionens ("EU") Weee-direktiv (Waste Electrical and Electronic Equipment), Direktiv 2002/96/EC, vilket trädde i kraft 13 augusti, 2005, kan inte produkter från "elektriska och elektroniska utrustningar" kastas i den vanliga hushållssoporna längre och tillverkare av inbyggd elektronisk utrustning kommer att tvingas att ta tillbaka sådan produkter när de är förbrukade.

(Finnish) (**Suomi**) Euroopan unionin (EU) 13.8.2005 voimaan tulleen sähkö- ja elektroniikkalaiteromua koskevan direktiivin 2002/96/EY mukaisesti "sähkö- ja elektroniikkalaitteita" ei saa enää hävittää talousjätteiden mukana. Direktiivin alaisen sähkö- tai elektroniikkalaitteen valmistajan on otettava laitteet takaisin niiden käyttöiän päättyessä.

(Slovak) (**Slovenčina**) Na základe smernice Európskej únie („EU“) o elektrických a elektronických zariadeniach číslo 2002/96/ES, ktorá vstúpila do platnosti 13. augusta 2005, výrobky, ktorými sú „elektrické a elektronické zariadenia“ nesmú byť zneškodňované spolu s komunálnym odpadom a výrobcovia patričných elektronických zariadení sú povinní takéto výrobky na konci životnosti prevziať naspäť.

(Slovenian) (**Slovenščina**) Skladno z določili direktive Evropske unije ("EU") o odpadni električni in elektronski opremi, Direktiva 2002/96/ES, ki je veljavna od 13. avgusta, izdelkov "električne in elektronske opreme" ni dovoljeno odstranjevati kot običajne komunalne odpadke, proizvajalci zadevne elektronske opreme pa so zavezani, da tovrstne izdelke na koncu njihove življenjske dobe sprejmejo nazaj.

(Danish) (**Dansk**) I henhold til direktiv fra den europæiske union (EU) vedrørende elektrisk og elektronisk affald, Direktiv 2002/96/EC, som træder i kraft den 13. august 2005, må produkter som "elektrisk og elektronisk udstyr" ikke mere bortskaffes som kommunalt affald. Producenter af det pågældende, elektroniske udstyr vil være forpligtet til at tage disse produkter tilbage ved afslutningen på produkternes levetid.

(Norwegian) (**Norsk**) Under den europeiske unionens ("EU") direktiv om deponering av elektronisk og elektrisk utstyr, direktiv 2002/96/EC, som trer i effekt 13. august 2005, kan ikke produkter av "elektronisk og elektrisk utstyr" lenger deponeres som husholdningsavfall og fabrikantene av disse produktene er forpliktet å ta tilbake slike produkter ved slutten av produktets levetid.

(Bulgarian) (**Български**) Според директивата на Европейския съюз относно отпадъците от електрическо и електронно оборудване, директива 2002/96/EC, важаща от 13 август, 2005 г., електрическо и електронно оборудване не може да се изхвърля заедно с битовите отпадъци и производителите на такова оборудване са задължени да приемат обратно съответните продукти в края на експлоатационния им период.

(Croatian) (**Hrvatski**) U okviru Direktive Europske Unije ("EU") o Otpadnim električnim i elektroničkim uređajima, Direktiva 2002/96/EC, koja je na snazi od 13. kolovoza 2005., "električni i elektronički uređaji" se ne smiju više bacati zajedno s kućnim otpadom i proizvođači su obvezni zbrinuti takve proizvode na kraju njihovog životnog vijeka.

(Estonia) (**Eesti**) Vastavalt Euroopa Liidu ("EL") direktiivile 2002/96/EÜ (elektri- ja elektroonikaseadmete jäätmete kohta), mis jõustus 13. augustil 2005, on keelatud kodumajapidamiste "elektri- ja elektroonikaseadmete" jäätmete hävitamine koos majapidamisjäätmetega, ja elektri- ja elektroonikaseadmete tootjad on kohustatud sellised tooted pärast nende kasutuselt kõrvaldamist tagasi võtma.

(Persian) (فارسی)

اتحادیه اروپا) که از تاریخ 13 اگوست سال 2005 میلادی قابل اجراست، کلیه شرکت های 2002/96/EC بر طبق قانون دفع زباله های الکتریکی و الکترونیکی (بند تولید کننده موظف به جمع آوری زباله محصولات خود پس از پایان دوره مصرف می باشند.

(Arabic) (العربية)

في إطار اتفاقية الاتحاد الأوروبي ("الاتحاد الأوروبي") التوجيه بشأن نفايات المعدات والأجهزة الكهربائية والإلكترونية، توجيه 2002/96/EC للمجموعة الأوروبية، الذي أصبح ساري المفعول في 13 أغسطس/آب، 2005، أن منتجات "أجهزة كهربائية والإلكترونية" لا يمكن التخلص منها بوصفها نفايات، ومنتجات المعدات الإلكترونية سيكون لزاما عليهم استرداد مثل هذه المنتجات في نهاية مدة صلاحيتها.

Chapter 1

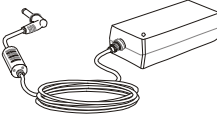
Overview

Congratulations for purchasing the Wind Box DC110 (MS-B062) System. This system is your best slim PC choice. With the fantastic appearance and ultrasmall form factor, it can easily be set anywhere. The feature packed platform also gives you an exciting PC experience.

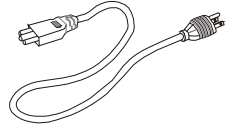
Packing Contents



Wind Box Series



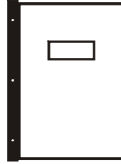
AC/DC Adapter



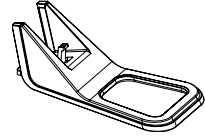
AC Power Cord



Driver/ Utility Disk



User Manual
& Quick Guide



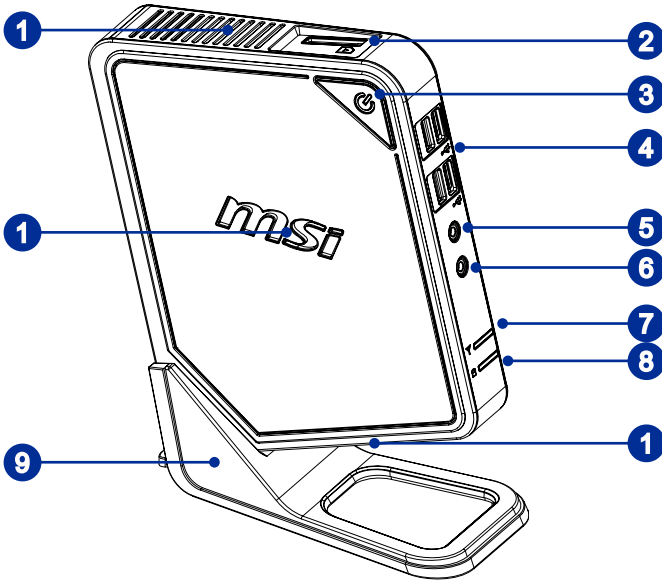
Stand

** Please contact us immediately if any of the items is damaged or missing.*

** The illustrations are for reference only and your packing contents may slightly vary depending on the model you purchased.*

System Overview

► Front View



1

Ventilator

The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator.

2

Card Reader Drive

The built-in card reader may support various types of memory cards.

3

Power Button/ LED

Press the power button to turn the system on and off. The power LED glows when the system is turned on and goes off when the system is shut down. In terms of power saving, the LED blinks in S3 (Suspend to RAM) mode and goes off in S4 (Suspend to Disk) mode. Pressing the system power button will wake the system up from power saving mode.

4 **USB 2.0 Port**
The USB (Universal Serial Bus) port is for attaching USB devices such as keyboard, mouse, or other USB-compatible devices. It supports up to 480Mbit/s (Hi-Speed) data transfer rate.

5 **Headphone Jack**
This is a connector for headphones.

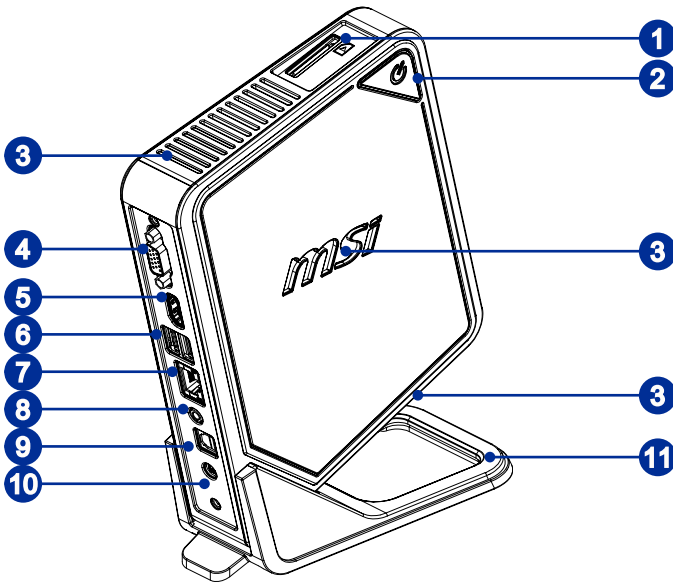
6 **Microphone Jack**
This is a connector for microphones.

7 **WLAN LED**
This indicator glows green when WLAN function is enabled and glows blue when WiMax function is enabled. The indicator goes out when this function is disabled.

8 **HDD LED**
This indicator shows the activity status of the HDD. It flashes when the system is accessing data on the HDD and remains off when no disk activity is detected.

9 **Stand**
Use this stand to position your system on a flat and stable surface. Another way to position your system without stand is to lay your system horizontally on the surface with the Power Button faces up to the top.

➤ Rear View



1

Card Reader Drive

The built-in card reader may support various types of memory cards.

2

Power Button/ LED

Press the power button to turn the system on and off. The power LED glows when the system is turned on and goes off when the system is shut down. In terms of power saving, the LED blinks in S3 (Suspend to RAM) mode and goes off in S4 (Suspend to Disk) mode. Pressing the system power button will wake the system up from power saving mode.

3

Ventilator

The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator.

4

VGA-Out Port

The DB15-pin female connector is provided for monitor.

5

HDMI-Out Port

The High-Definition Multimedia Interface (HDMI) is an all-digital audio/ video interface capable of transmitting uncompressed streams. HDMI supports all TV format, including standard, enhanced or high-definition video, plus multi-channel digital audio on a single cable.

6

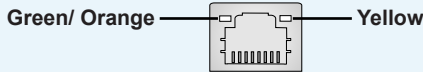
USB 2.0 Port

The USB (Universal Serial Bus) port is for attaching USB devices such as keyboard, mouse, or other USB-compatible devices. It supports up to 480Mbit/s (Hi-Speed) data transfer rate.

7

RJ-45 LAN Jack

The standard RJ-45 LAN jack is provided for connection to the Local Area Network (LAN). You can connect a network cable to it.



LED	Color	LED State	Condition
Right	Yellow	Off	LAN link is not established.
		On (steady state)	LAN link is established.
		On (brighter & pulsing)	The computer is communicating with another computer on the LAN.
Left	Green	Off	10 Mbit/sec data rate is selected.
		On	100 Mbit/sec data rate is selected.
	Orange	On	1000 Mbit/sec data rate is selected.

8

Speaker Jack

This is a connector for speakers.

9

Optical S/PDIF-Out Jack

This S/PDIF (Sony & Philips Digital Interconnect Format) jack is provided for digital audio transmission to external speakers through an optical fiber cable.

10**Power Jack**

The AC/DC adapter converts AC power to DC power for this jack. Power supplied through this jack supplies power to your personal computer. To prevent damage to the PC, always use the supplied power adapter.

11**Stand**

Use this stand to position your system on a flat and stable surface. Another way to position your system without stand is to lay your system horizontally on the surface with the Power Button faces up to the top.

Important

We suggest that you connect the AC/DC adapter to your system first and then connect the AC power cord to the socket-outlet for safety concerns.

System Specifications

Processor

- Intel® Celeron Processor 847

Chipset

- Intel® NM70 Chipset

Memory

- 1 DDR3 1333 SO-DIMM slot
- Supports the maximum of 4GB

LAN

- Wired LAN: supported by Realtek® RTL8111E Gigabit Ethernet controller
- Wireless LAN: optionally supported through mini-PCIE WLAN module

Audio

- HDA Codec by Realtek® ALC662
- Flexible 5.1-channel audio with jack sensing
- Compliant with Azalia 1.0 spec


Input/Output (I/O)

- 6 USB 2.0 ports
- 1 DC power jack
- 1 RJ-45 LAN jack
- 1 speaker jack
- 1 headphone jack
- 1 microphone jack
- 1 VGA-out port
- 1 HDMI-out port
- 1 Optical S/PDIF-out jack

Storage

- Hard Disk Drive: 2.5", SATAII
- Card Reader: 3-in-1 card reader

Power Supply

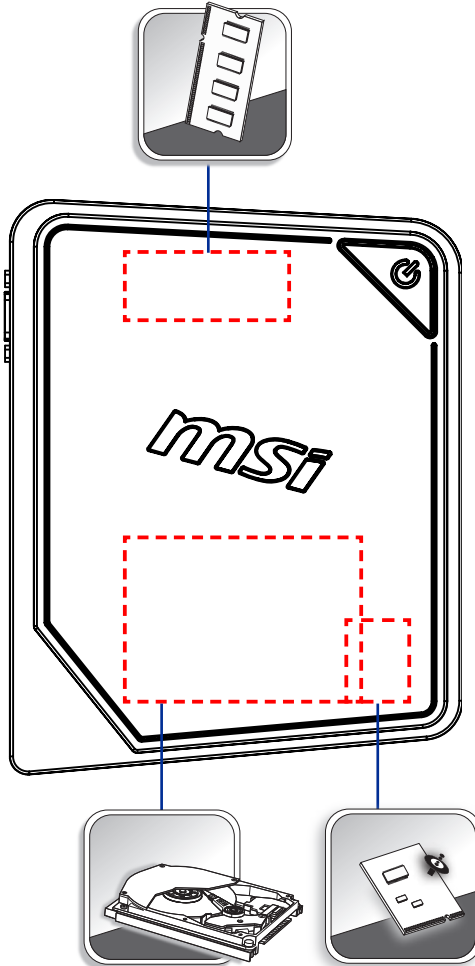
- 40 watt AC/DC adapter with active PFC
- Input: 100-240V~, 50-60Hz, 1.2A
- Output: 19V  2.1A

Dimension

- 186 mm (W) x 222 mm (H) x 76 mm (D) (with stand)
- 150 mm (W) x 191 mm (H) x 36 mm (D) (without stand)

Component Replacement & Upgrade

Please note that certain components preinstalled in the product may be upgradable or replaceable by user's request depending on the models users purchased.



To learn more about upgrade limitation, please refer to the specifications in the User's Manual. For any further information on the product users purchased, please contact the local dealer.

Do not attempt to upgrade or replace any component of the product if you are not an authorized dealer or service center, since it may cause the warranty void. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.

Chapter 2

Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting peripheral devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

Safety & Comfort Tips

The Wind Box DC110 is a portable platform that allows you to work anywhere. However, choosing a good workspace is important if you have to work with your PC for a long period of time.

1. Your work area should have enough illumination.
2. Choose the proper desk and chair and adjust their height to fit your posture when operating.
3. When sitting on the chair, sit straight and keep a good posture. Adjust the chair's back (if available) to support your back comfortably.
4. Place your feet flat and naturally on the floor, so that your knees and elbows have the proper position (about 90-degree) when operating.
5. Put your hands on the desk naturally to support your wrists.
6. Avoid using your PC in a place where discomfort may occur (such as on the bed).
7. The Wind Box DC110 is an electrical device. Please treat it with great care to avoid personal injury.

Connecting Peripheral Devices

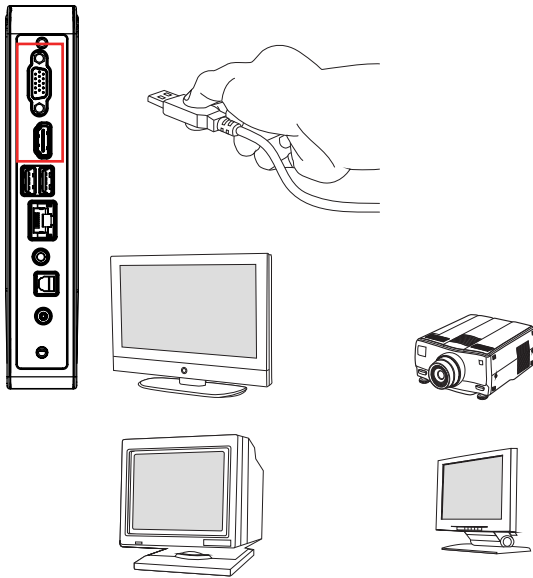
The I/O (input/output) ports on the rear panel allow you to connect peripheral devices. All devices listed here are for reference only.

► Connecting VGA-Out & HDMI-Out Devices

This Wind Box DC110 provides a VGA port and an HDMI port for connection to external monitors, projectors, set-top boxes, DVD players, digital video cameras, mini notebooks, digital cameras, etc.

VGA (Video Graphics Array) is a graphics display system for PCs. VGA connectors and their associated cabling are always used solely to carry analog video signals along with digital clock and data.

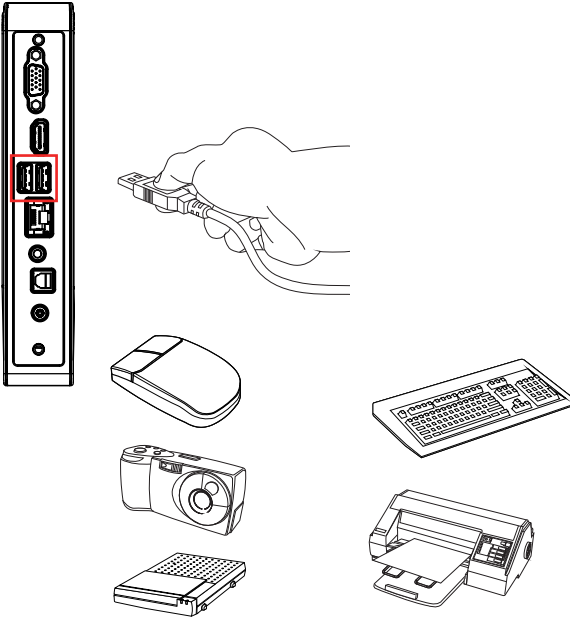
HDMI (High Definition Multimedia Interface) is a new interface standard for PCs, displays and consumer electronics devices that supports standard, enhanced and high-definition video, plus multi-channel digital audio on a single cable.



To connect the VGA/ HDMI device, first make sure the Wind Box DC110 and the targeted device are both powered off, and then connect the cable of the device to the VGA/ HDMI port of your Wind Box DC110.

► Connecting the USB Devices

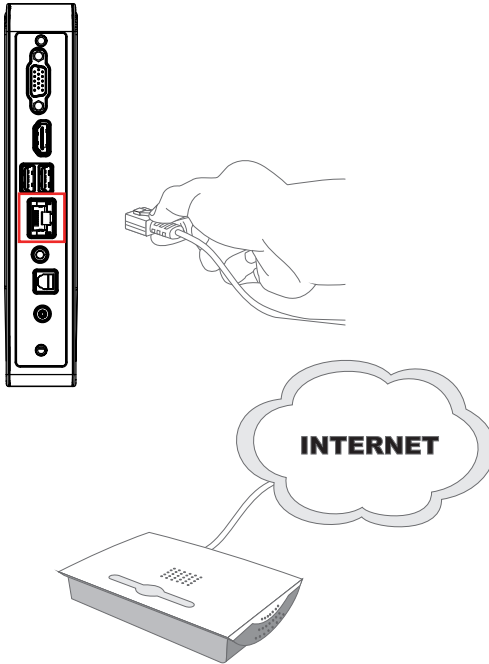
This Wind Box DC110 provides USB ports for connecting various USB devices, such as mouse, keyboard, digital camera, webcam, printer, external optical storage device,.. and etc. To connect these devices, install the drivers for each device first if necessary, and then connect the device to the Wind Box DC110. This Wind Box DC110 is capable of auto detecting the USB devices installed, and if there is no detection of the devices, please manually enable the USB devices by going to Start Menu / Control Panel / Add Hardware to add the new device.



► Connecting the Network Device

The RJ-45 connector of the Wind Box DC110 allows you to connect the LAN (local area network) devices, such as a hub, switch and gateway, to build a network connection.

For more instructions or detailed steps on connecting to the LAN, please ask your MIS staff or network manager for help.

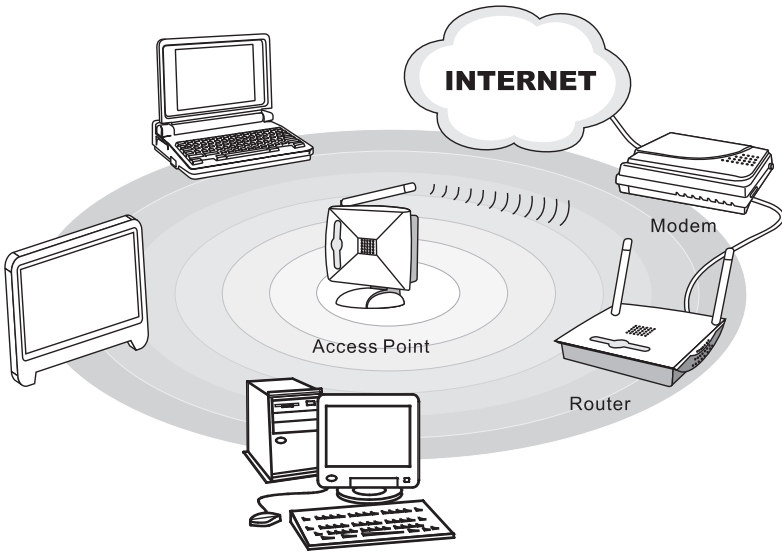


► Wireless LAN (Optional)

This Wind Box DC110 is equipped with wireless LAN module which allows users to perform fast data transmission with standard IEEE 802.11 technology for wireless LAN. This gives users the mobility to move around within a broad coverage area and still be connected to the network.

By using the 64-bit/128-bit Wired Equivalent Privacy (WEP) encryption technology and Wi-Fi Protected Access feature, the optional built-in wireless LAN is capable to achieve a more efficient and a more secure solution to the wireless communication.

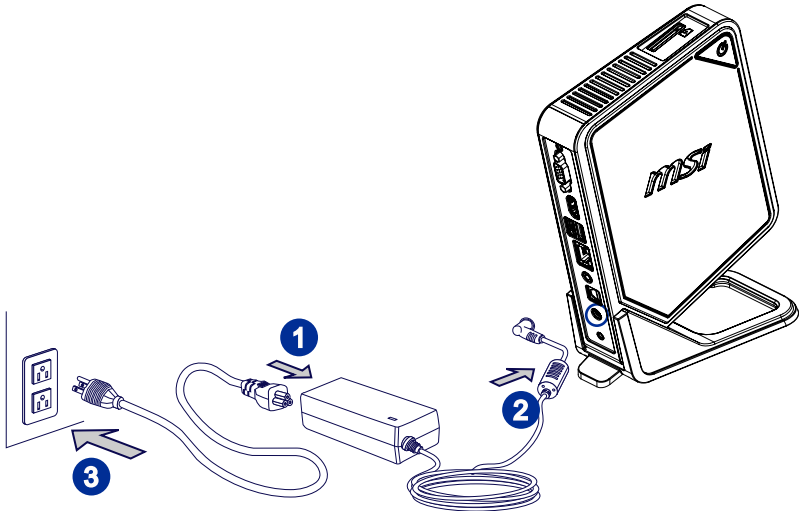
For more instructions or detailed steps on connecting to the Wireless LAN, please ask your MIS staff or network manager for help.



Hardware Setup

► Connecting the AC Power

1. Assemble the AC/DC adapter and the AC power cord.
2. Plug the DC end of the adapter to the Wind Box DC110.
3. Plug the male end of the AC power cord to the electrical outlet.

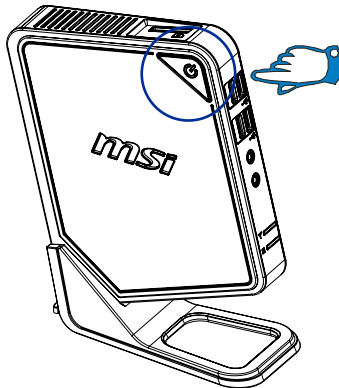


Important

We suggest that you connect the AC/DC adapter to your Wind Box DC110 first and then connect the AC power cord to the socket-outlet for safety concerns.

► Powering on the System

Press the power button to power on the system.



Chapter 3

System Operations (Windows 7)

This chapter provides you with essential information on system operations.

Important

All information is subject to change without prior notice.

System Booting Setup for the first time

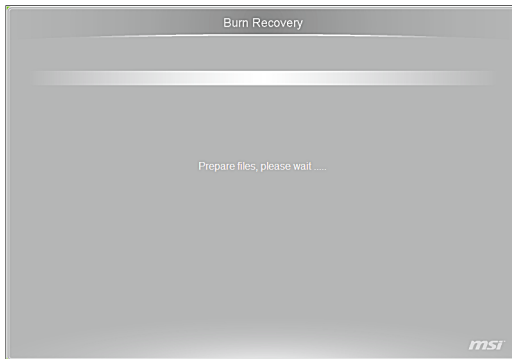
For the first-time use, you will need to go over the following steps to start using your Wind Box Series. The entire booting setup will take you around 30 minutes.

1. Windows setup starts running. Please wait until Windows setup finishes the progress loading.
2. Select the language of the operating system and click [Next] to continue.
3. Choose the “Country or region”, “Time and currency”, and “Keyboard layout” you need. Click [Next] to continue.
4. Choose a user name for your account and name your computer to distinguish it on the network. Click [Next] to continue.
5. Set a password for your account to protect your user account from unwanted users. (Leave this field blank if no need for password.) Click [Next] to continue.
6. Please read the license terms. Check the “I accept the license terms” box and click [Next] to continue.
7. Select [Use recommended settings] for “Help protect your computer and improve Windows automatically.”
8. Review your time and date settings. Click [Next] to continue.
9. Please choose a wireless network you intend to join from the provided WLAN list. Click [Next] to continue. You may also click [Skip] to skip this step and set up the WLAN later.
10. (Optional) Followingly comes the anti-virus software screen. Click [Agree] to accept the license agreement terms and activate the anti-virus software. Alternatively, choose [Stay Unprotected] and click [Next] to proceed without activating the anti-virus software.
11. The “Software Installation Menu” pops up. Click [Install] to continue.
12. The software is being installed. Please do not turn off the computer when software installation is running. When the progress bar completes loading, click [Finish] to continue.
13. The system enters the Windows 7 OS to start its personalized settings. Get ready to explore your Wind Box Series after the personalized settings are done. Have fun with it!

Creating System Recovery Disc

For the first-time use, it is highly recommended that you create a system recovery disc as the backup solution in the event of a catastrophic disk failure or other accidents. Before moving forward, please make sure your system booting setup is complete and go over the following procedures to get it done.

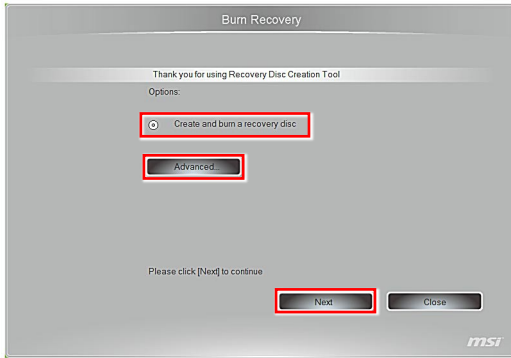
1. Double-click the “BurnRecovery”  icon on the desktop to launch the Recovery Disc Creation Tool. Please note that it may take a while for the operating system to prepare recovery files.



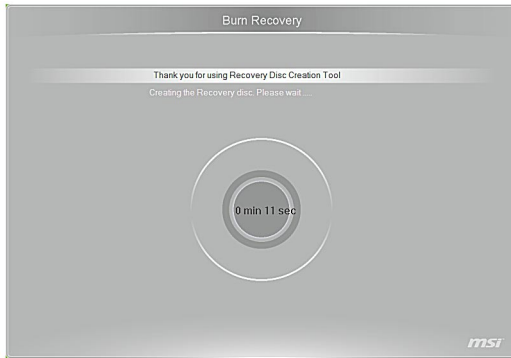
2. Click [Next] to start the image creation of the recovery disc.



3. Select [Create and burn a recovery disc] and click [Next] to continue. Alternatively, choose [Advanced] to bring forth advanced options.



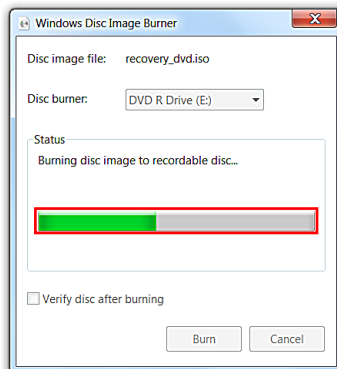
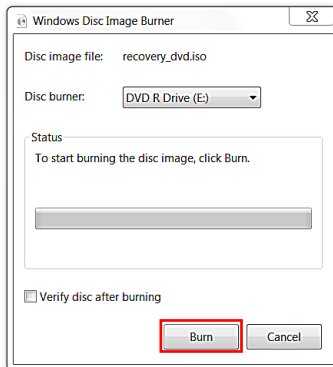
4. The image of recovery disc is being created. It takes some time to finish the processing.



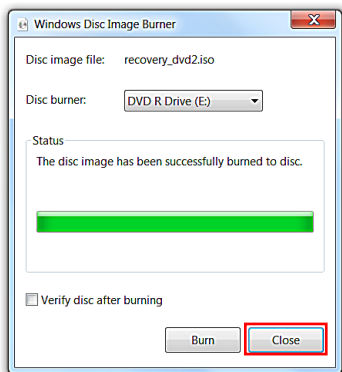
5. Follow the on-screen instructions to prepare enough number of blank DVD discs. Insert the blank DVD disc into the optical disc drive and click [Next] to continue.



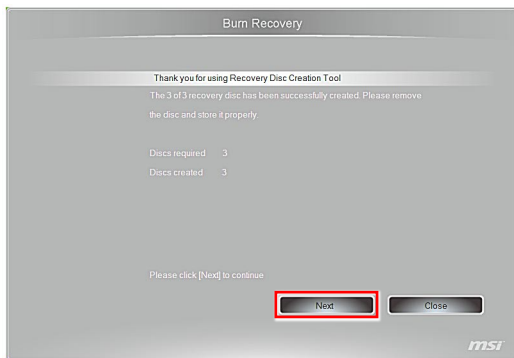
6. The Windows Disc Image Burner pops up. Click [Burn] to start the burning progress. It takes a while to finish the processing.



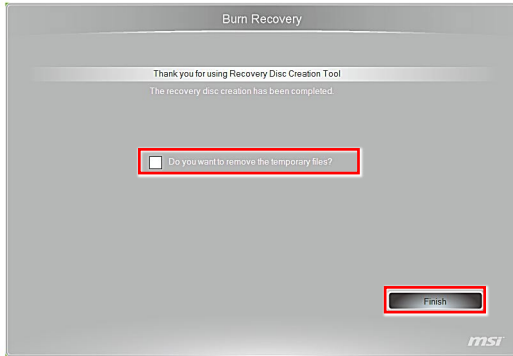
7. On completion of the disc creation, click [Close] to exit and take out the disc. Follow the on-screen instructions to create all recovery discs.



8. All recovery discs have been successfully created. Please store the discs carefully and click [Next] to continue.



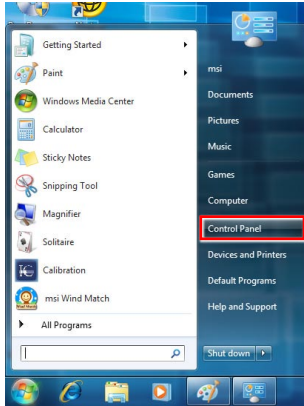
9. Check the following box if you want to remove the temporary files. Click [Finish] to complete recovery disc creation.



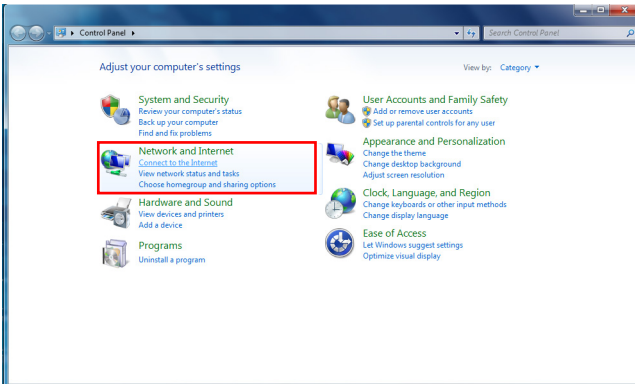
Network Connection under Windows

► Wired LAN

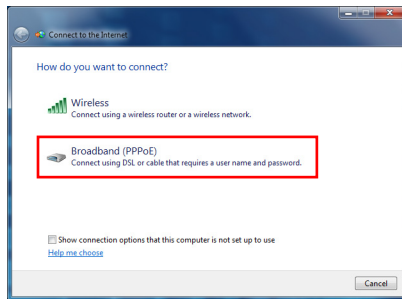
1. Go to [Start] > [Control Panel].



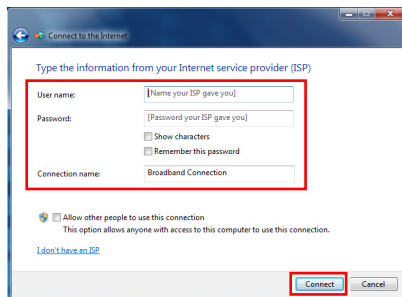
2. Select [Connect to the Internet] under [Network and Internet].



3. Select [Broadband (PPPoE)] to connect using DSL or cable that requires a user name and password.

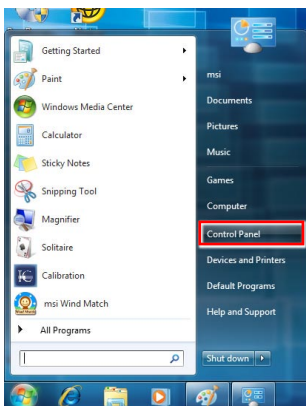


4. Type the information from your Internet Service Provider (ISP) and click [Connect] to establish your LAN connection.

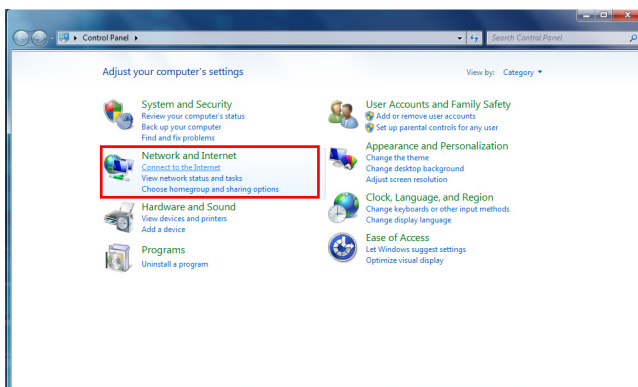


► Wireless LAN

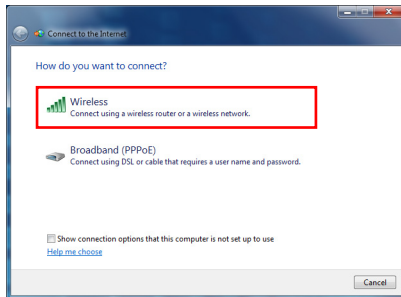
1. Go to [Start] > [Control Panel].



2. Select [Connect to the Internet] under [Network and Internet].



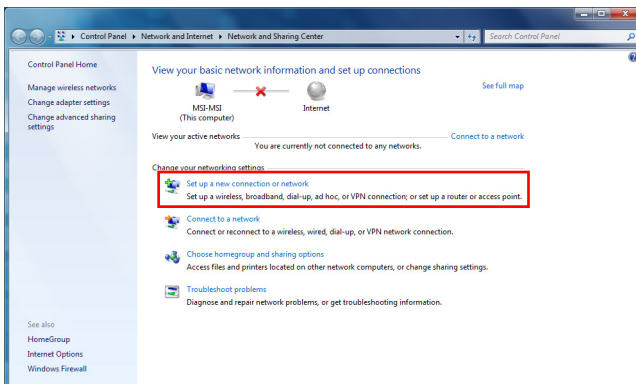
3. Select [Wireless] to connect using a wireless router or a wireless network.



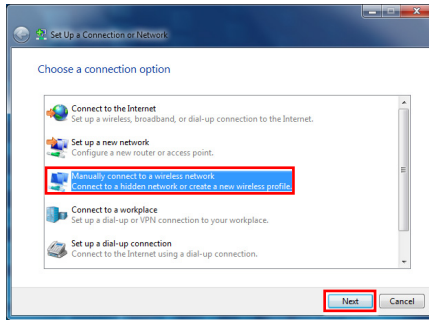
4. A list of available WLAN connections pops up. Choose a connection from the list or click [Open Network and Sharing Center] to establish a new connection.



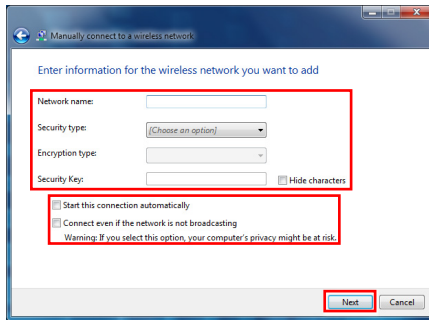
5. To establish a new WLAN connection, select [Set up a new connection or network] in [Network and Sharing Center].



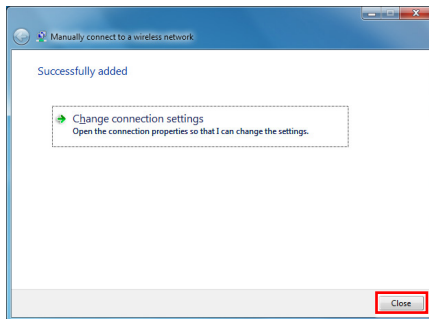
6. Followingly, choose [Manually connect to a wireless network] and click [Next] to continue.



7. Enter information for the wireless network you intend to add and click [Next] to proceed.



8. A new WLAN connection has been made. Click [Close] to exit or select [Change connection settings] to modify the WLAN settings.



Power Management

Power management of personal computers (PCs) and monitors has the potential to save significant amounts of electricity as well as deliver environmental benefits.

To be energy efficient, turn off your display or set your PC to sleep mode after a period of user inactivity.

► Power Management in Windows OS

- [Power Options] in Windows OS allow you to control the power management features of your display, hard drive, and battery. Go to [Start] > [Control Panel] > [System and Security].



Then click on the [Power Options] link.



Select a power plan that suits your personal needs. You may also fine-tune the settings by clicking [Change plan settings].

Select a power plan

Power plans can help you maximize your computer's performance or conserve energy. Make a plan active by selecting it, or choose a plan and customize it by changing its power settings. [Tell me more about power plans](#)

Preferred plans

Balanced (recommended)

Automatically balances performance with energy consumption on capable hardware.

[Change plan settings](#)

Power saver

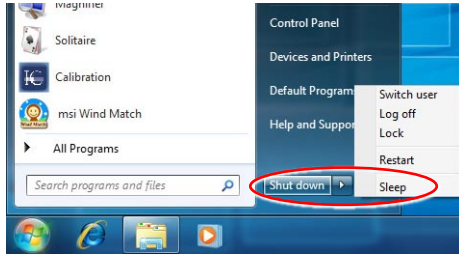
Saves energy by reducing your computer's performance where possible.

[Change plan settings](#)

Show additional plans



- The Shut Down Computer menu presents the options of Sleep (S3/S4) & Shut Down (S5) for rapid and easy management of your system power.



► Power Management through ENERGY STAR qualified monitors (Optional)

The power management feature allows the computer to initiate a low-power or "Sleep" mode after a period of user inactivity. When used with an external ENERGY STAR qualified monitor, this feature also supports similar power management features of the monitor. To take advantage of these potential energy savings, the power management feature has been preset to behave in the following ways when the system is operating on AC power:

- Turn off the display after 15 minutes
- Initiate Sleep after 30 minutes

► Waking the System Up

The computer shall be able to wake up from power saving mode in response to a command from any of the following:

- the power button,
- the network (Wake On LAN),
- the mouse,
- the keyboard.



Energy Saving Tips:

- Turn off the monitor by pressing the LCD power button after a period of user inactivity.
- Tune the settings in Power Options under Windows OS to optimize your PC's power management.
- Install power saving software to manage your PC's energy consumption.
- Always disconnect the AC power cord or switch the wall socket off if your PC would be left unused for a certain time to achieve zero energy consumption.

System Recovery

Important

The System Recovery Function is only available on systems bundled with Windows OS and MSI utilities by default.

The purposes for using the System Recovery Function may include:

- Restore the system back to the initial status of original manufacturer's default settings.
- When some errors have occurred to the operating system in use.
- When the operating system is affected by virus and is not able to work normally.
- When you want to install the OS with other built-in languages.

Before using the System Recovery Function, please backup the important data saved on your system drive to other storage devices.

If the following solution fails to recover your system, please contact the authorized local distributor or service center for further assistance.

➤ Recovering the System with the F3 Hotkey

If the system encounters non-recoverable problems, it is always recommended that you try the F3 hotkey to recover your system with the recovery partition of the hard disk drive first.

Follow the instructions below to continue:

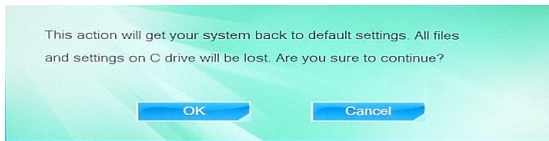
1. Restart the system.
2. Press the F3 hotkey on the keyboard when the following image appears.



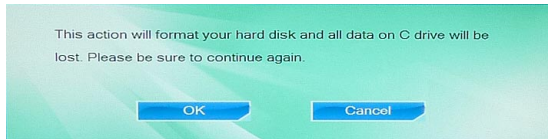
3. Select [MSI Recovery Manager] to start the System Recovery Function; or select [EXIT] to restart the system.



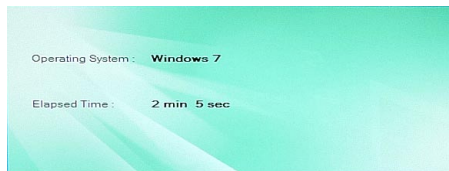
4. The System Recovery Function will get your system back to default settings. Press [OK] to confirm.



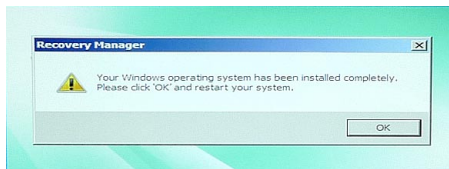
5. Press [OK] to reconfirm and start the System Recovery Function. Alternatively, press [Cancel] to stop.



6. The System Recovery Function is proceeding now.



7. The following message indicates successful system recovery. Press [OK] to restart the system and access the Windows operating system as usual.



► Recovering the System with the Recovery Discs

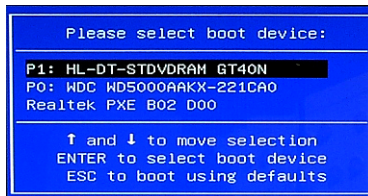
If the F3 hotkey recovery cannot work, try recovering your system with the recovery discs that you created beforehand.

Follow the instructions below to continue:

1. Insert the recovery disc into the optical disc drive and restart the system.
2. Press the F11 hotkey on the keyboard when the following image appears.



3. Select the [CD/DVD] device as the boot device and press [Enter] to confirm the selection.



Press any key to reconfirm the selection when the following message appears.

Press any key to boot from CD or DVD ...

4. The Windows OS starts loading files.

Windows is loading files ...

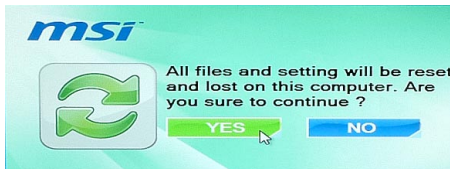
- 5. The system recovery menu pops up. [Hard Disk Recovery] will format the whole HDD. All data on the HDD will be erased while all settings will be restored to manufacturer default. Select [Hard Disk Recovery] only when your HDD is infected with fatal viruses and no solution can be found except a clear cleanup of the HDD.



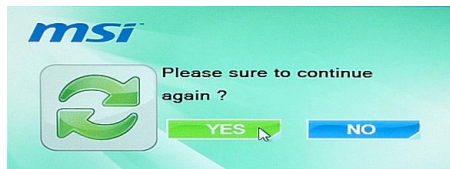
[System Partition Recovery] will format the C drive only. Only the C drive will be restored to manufacturer default. Other drives will not be affected. It is highly recommended that users select [System Partition Recovery] to restore the system.



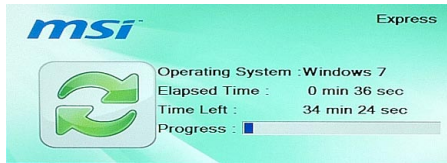
- 6. The system recovery will format your HDD partition. Make sure that the important data have been backed up. Click [YES] to continue; click [NO] to stop the system recovery.



Click [YES] again to reconfirm; click [NO] to stop the system recovery.



7. DO NOT turn off the system power while performing the system recovery function, or it may cause unknown damage to the system.



8. The following message indicates successful system recovery. Press [OK] to restart the system and access the Windows operating system as usual.



9. If the recovery process is interrupted or failed, please repeat the recovery procedures from the beginning.

Chapter 4

System Operations (Windows 8)

This chapter provides you with essential information on system operations.

Important

All information is subject to change without prior notice.

System Booting Setup for the first time

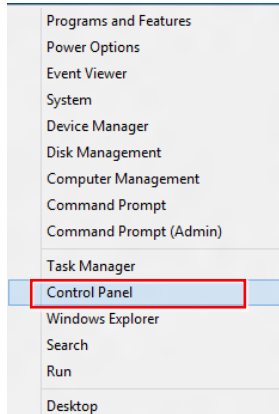
For the first-time use, you will need to go over the following steps to start using your Wind Box Series. The entire booting setup will take you a while.

1. Windows setup starts running. Please wait until Windows setup finishes the progress loading.
2. Select the language of the operating system and click [Next] to continue.
3. Please read the license terms. Check the "I accept the license terms for using Windows" box and click [Accept] to continue.
4. Select a color and enter the PC name. Click [Next] to continue.
5. Please choose a wireless network you intend to join from the provided WLAN list. Click [Connect] to continue. You may also click [Connect to a wireless network later] to set up the wireless network later.
6. Enter the password for this network and click [Connect] to continue.
7. By choosing the express settings, this PC will occasionally send info to Microsoft to help make things run more smoothly in Windows. Click [Use express settings] to continue.
8. Enter your email address as a Microsoft account to sign in to Windows. Click [Next] to continue.
9. Enter your Microsoft account password and click [Next] to continue.
10. Enter your phone number and alternate email as the security info to keep your account more secure. Click [Next] to finish.
11. The system enters the Windows 8 OS. Get ready to explore your Wind Box Series. Have fun with it!

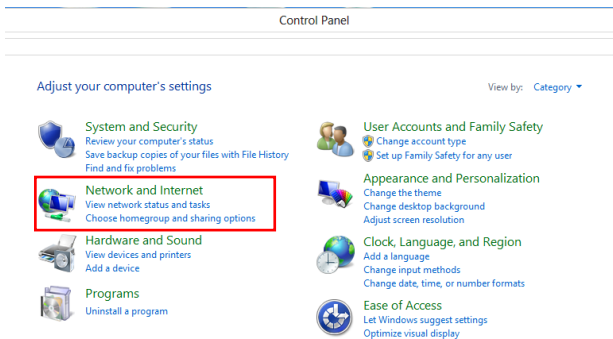
Network Connection under Windows

► Wired LAN

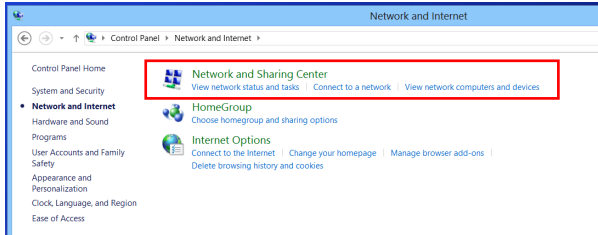
1. Go to [Start] > [Control Panel].



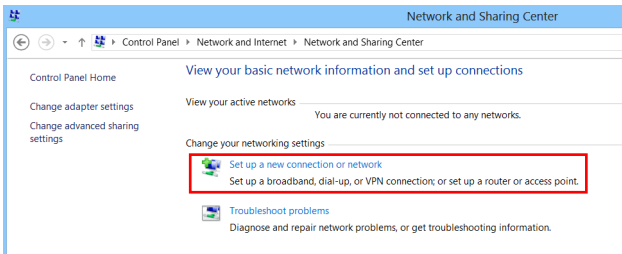
2. Select [View network status and tasks] under [Network and Internet].



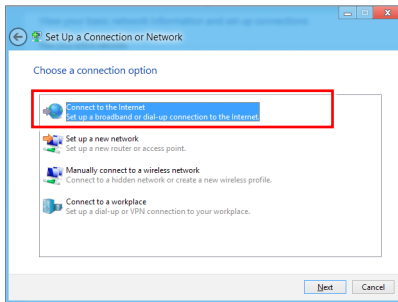
3. To establish a new connection, select [Network and Sharing Center].



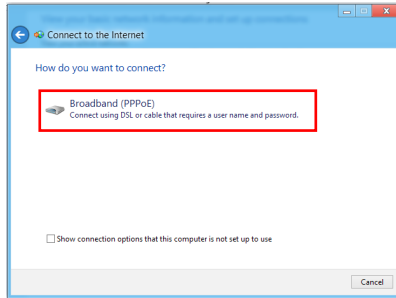
4. Select [Set up a new connection or network].



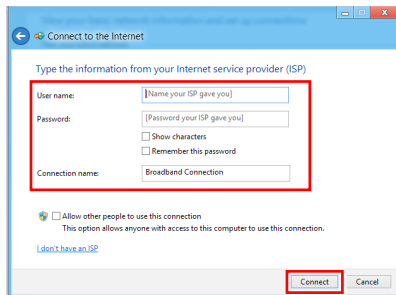
5. Choose [Connect to the Internet].




6. Select [Broadband (PPPoE)] to connect using DSL or cable that requires a user name and password.

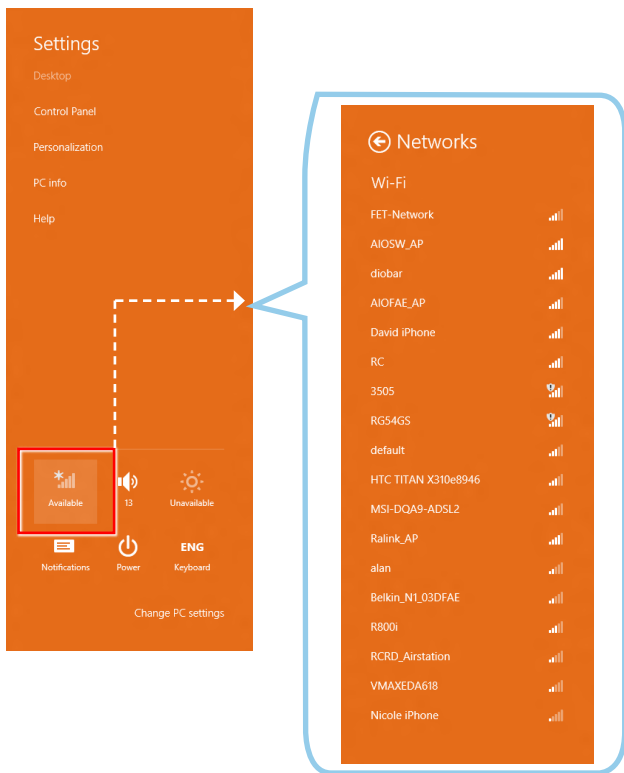


7. Type the information from your Internet Service Provider (ISP) and click [Connect] to establish your LAN connection.

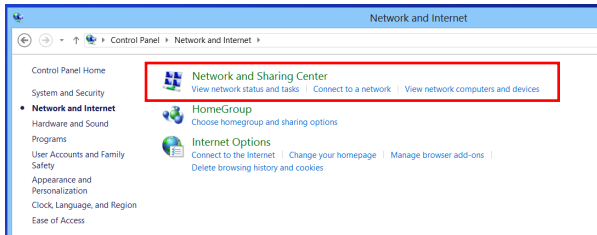


► Wireless LAN

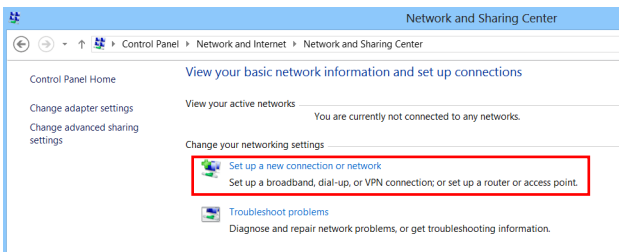
1. Select [Settings]  on Desktop, locate a wireless icon with available network.
2. A list of available WLAN connections pops up. Choose a connection from the list.



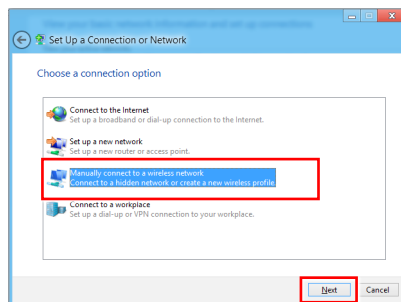
- To establish a new connection, select [Network and Sharing Center] under [Network and Internet] in [Control Panel].



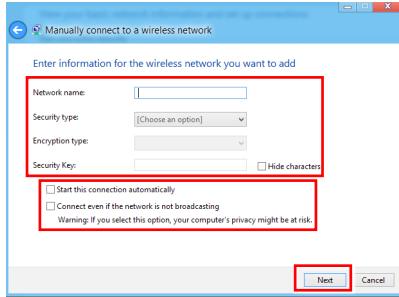
- Select [Set up a new connection or network].



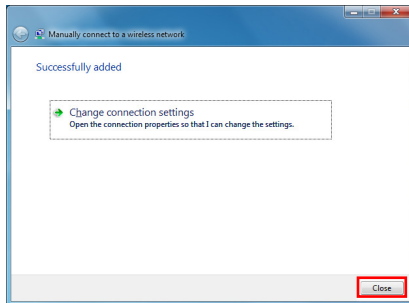
- Followingly, choose [Manually connect to a wireless network] and click [Next] to continue.



6. Enter information for the wireless network you intend to add and click [Next] to proceed.



7. A new WLAN connection has been made. Click [Close] to exit or select [Change connection settings] to modify the WLAN settings.



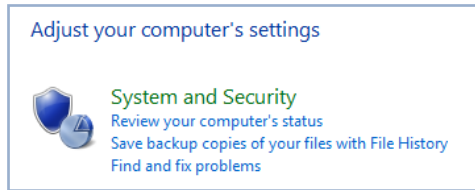
Power Management

Power management of personal computers (PCs) and monitors has the potential to save significant amounts of electricity as well as deliver environmental benefits.

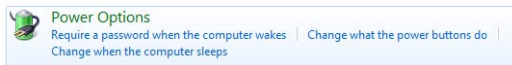
To be energy efficient, turn off your display or set your PC to sleep mode after a period of user inactivity.

► Power Management in Windows OS

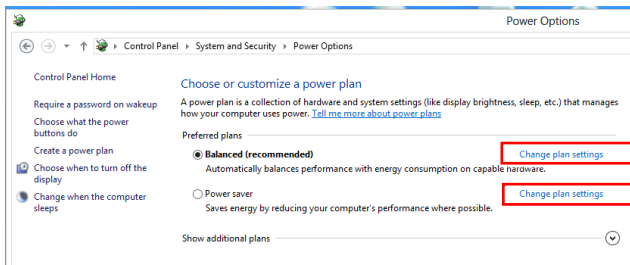
- [Power Options] in Windows OS allow you to control the power management features of your display, hard drive, and battery. Go to [Start] > [Control Panel] > [System and Security].



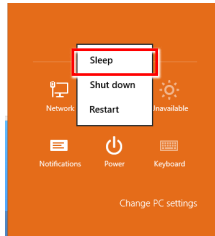
Then click on the [Power Options] link.



Select a power plan that suits your personal needs. You may also fine-tune the settings by clicking [Change plan settings].



- The Shut Down Computer menu presents the options of Sleep (S3/S4) & Shut Down (S5) for rapid and easy management of your system power.



➤ Power Management through ENERGY STAR qualified monitors (Optional)

The power management feature allows the computer to initiate a low-power or “Sleep” mode after a period of user inactivity. When used with an external ENERGY STAR qualified monitor, this feature also supports similar power management features of the monitor. To take advantage of these potential energy savings, the power management feature has been preset to behave in the following ways when the system is operating on AC power:

- Turn off the display after 15 minutes
- Initiate Sleep after 30 minutes

➤ Waking the System Up

The computer shall be able to wake up from power saving mode in response to a command from any of the following:

- the power button,
- the network (Wake On LAN),
- the mouse,
- the keyboard.




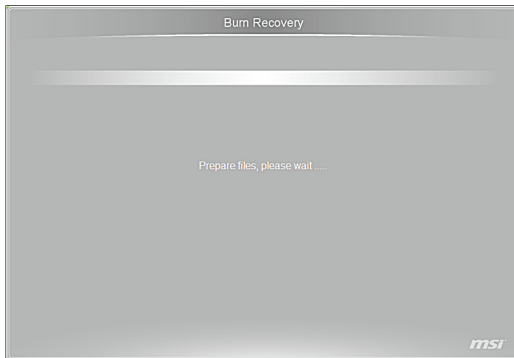
Energy Saving Tips:

- Turn off the monitor by pressing the LCD power button after a period of user inactivity.
- Tune the settings in Power Options under Windows OS to optimize your PC’s power management.
- Install power saving software to manage your PC’s energy consumption.
- Always disconnect the AC power cord or switch the wall socket off if your PC would be left unused for a certain time to achieve zero energy consumption.

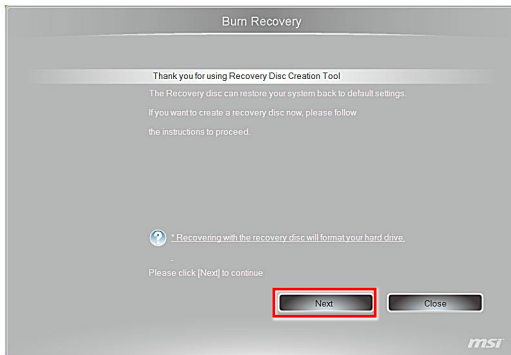
Creating System Recovery Disc

For the first-time use, it is highly recommended that you create a system recovery disc as the backup solution in the event of a catastrophic disk failure or other accidents. Before moving forward, please make sure your system booting setup is complete and go over the following procedures to get it done.

1. Double-click the "BurnRecovery"  icon on the desktop to launch the Recovery Disc Creation Tool. Please note that it may take a while for the operating system to prepare recovery files.



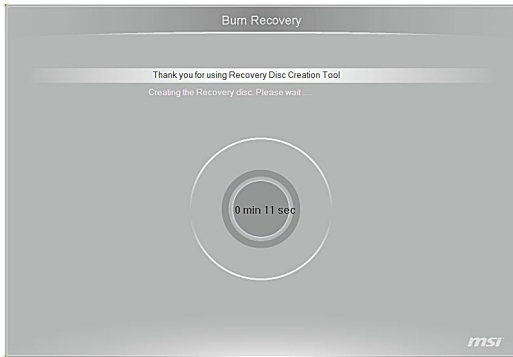
2. Click [Next] to start the image creation of the recovery disc.



3. Select [Create and burn a recovery disc] and click [Next] to continue. Alternatively, choose [Advanced] to bring forth advanced options.



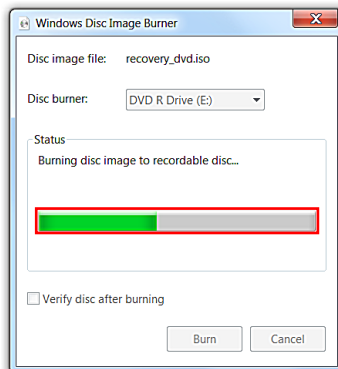
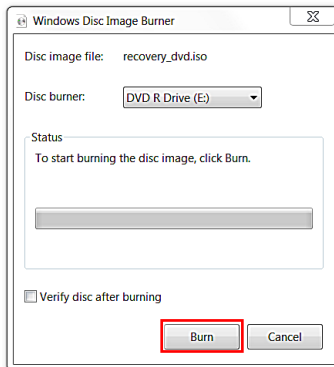
4. The image of recovery disc is being created. It takes some time to finish the processing.



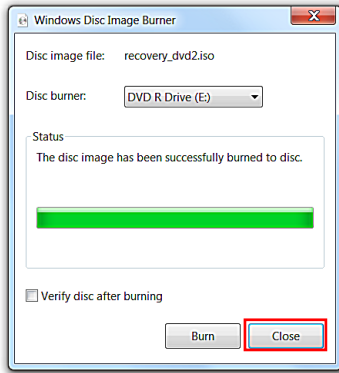
5. Follow the on-screen instructions to prepare enough number of blank DVD discs. Insert the blank DVD disc into the optical disc drive and click [Next] to continue.



6. The Windows Disc Image Burner pops up. Click [Burn] to start the burning progress. It takes a while to finish the processing.



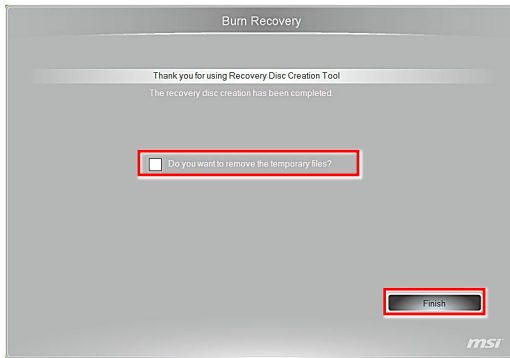
7. On completion of the disc creation, click [Close] to exit and take out the disc. Follow the on-screen instructions to create all recovery discs.



8. All recovery discs have been successfully created. Please store the discs carefully and click [Next] to continue.



9. Check the following box if you want to remove the temporary files. Click [Finish] to complete recovery disc creation.



System Recovery

Important

The System Recovery Function is only available on systems bundled with Windows OS and MSI utilities by default.

The purposes for using the System Recovery Function may include:

- Restore the system back to the initial status of original manufacturer's default settings.
- When some errors have occurred to the operating system in use.
- When the operating system is affected by virus and is not able to work normally.
- When you want to install the OS with other built-in languages.


Before using the System Recovery Function, please backup the important data saved on your system drive to other storage devices.

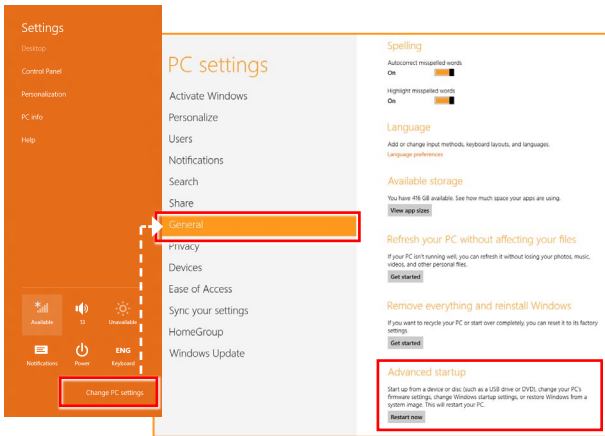
If the following solution fails to recover your system, please contact the authorized local distributor or service center for further assistance.

► Recovering the System with the Recovery Discs

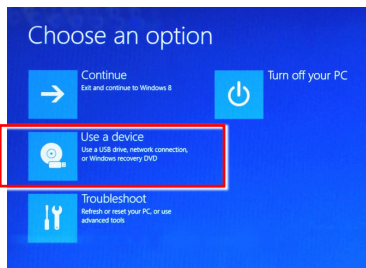
This section is meant for users to restore your system with the recovery discs that you created beforehand.

Follow the instructions below to continue:

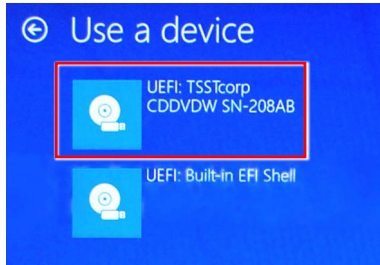
1. Insert the recovery disc into the optical disc drive.
2. Select [Settings]  on Desktop, then “Change PC settings” to enter PC settings main page > General > Advanced startup, and click [Restart now] to restart the system.



3. After booting up, following screen will pop up, select the [Use a device] to continue.



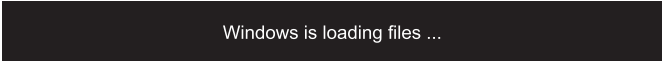
4. Select recovery disc the boot device.



5. Press any key to reconfirm the selection when the following message appears.



6. The Windows OS starts loading files.



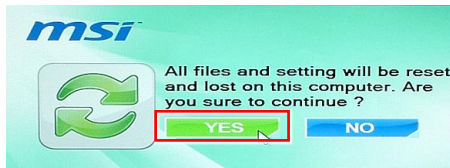
7. The system recovery menu pops up. [Hard Disk Recovery] will format the whole HDD. All data on the HDD will be erased while all settings will be restored to manufacturer default. Select [Hard Disk Recovery] only when your HDD is infected with fatal viruses and no solution can be found except a clear cleanup of the HDD.



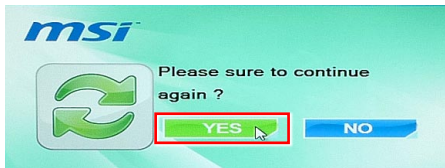
[System Partition Recovery] will format the C drive only. Only the C drive will be restored to manufacturer default. Other drives will not be affected. It is highly recommended that users select [System Partition Recovery] to restore the system.



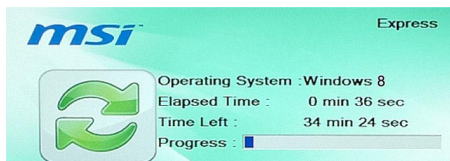
8. The system recovery will format your HDD partition. Make sure that the important data have been backed up. Click [YES] to continue; click [NO] to stop the system recovery.



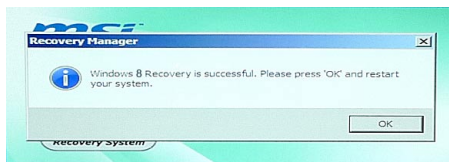
Click [YES] again to reconfirm; click [NO] to stop the system recovery.



9. DO NOT turn off the system power while performing the system recovery function, or it may cause unknown damage to the system.



10. The following message indicates successful system recovery. Press [OK] to restart the system and access the Windows operating system as usual.




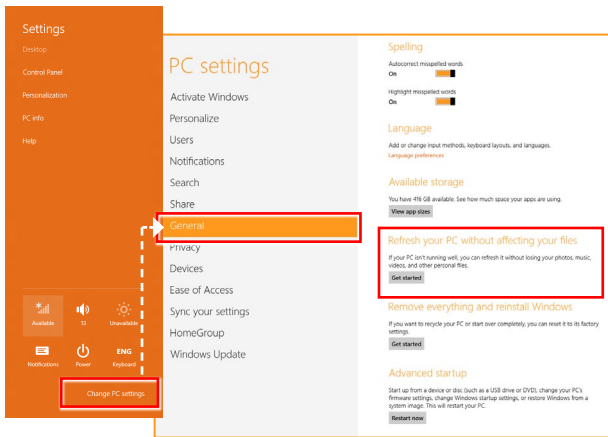
11. If the recovery process is interrupted or failed, please repeat the recovery procedures from the beginning.

► Recovery from the Operating System

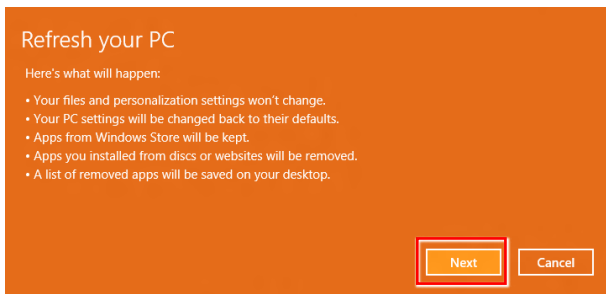
▣ Refresh PC

The Refresh PC utility checks whether the system files, Windows registry, and other important system components are working fine or not; on finding issues with Windows files, it will attempt to repair your PC. If your PC isn't running well, you can refresh it without losing your personal files.

1. Select [Settings]  on Desktop, then "Change PC settings" to enter PC settings main page > General > Refresh your PC without affecting your files, and click [Get started].




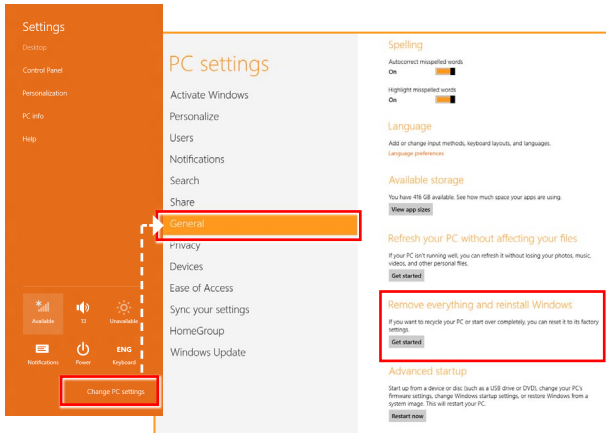
2. It will show the changes which will be made during the process, click [Next] to continue.



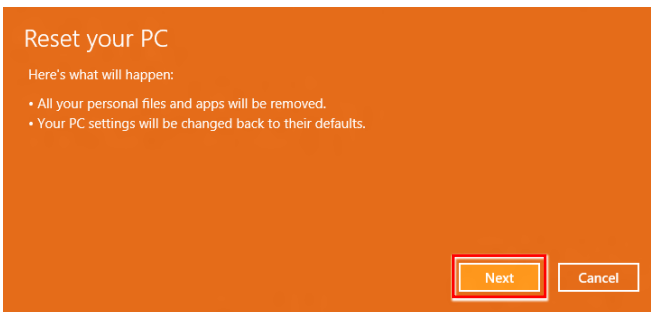
Reset PC

The Reset utility will bring the system back to original factory settings.

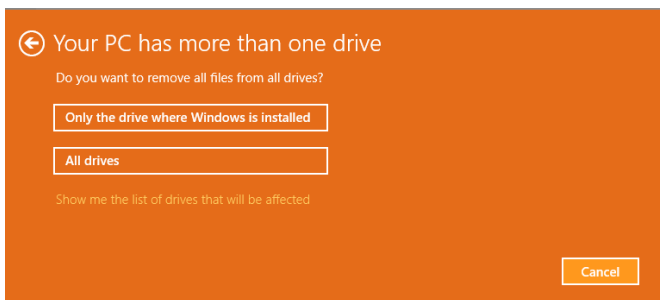
1. Select [Settings]  on Desktop, then “Change PC settings” to enter PC settings main page > General > Remove everything and reinstall Windows, and click [Get started].



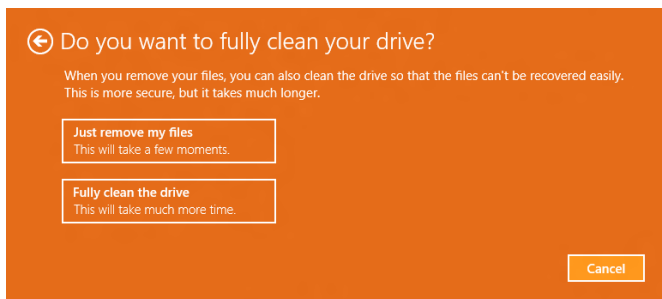
2. It will show the changes to be made during the process, click [Next] to continue.



3. You will be prompted to choose which drive you want to clean for a hard disk with multiple partitions.



4. Now, select either to remove files or to fully clean drives according to your needs.



5. It is now ready to reset your PC, click [Reset] and follow the on-screen instructions to restart your PC.

