CHALLENGER

USB 3.0 version

User's Manual

Contents

Disassemble Chart

Top Fan

Rear Fan

Screw-less Kits

Left Side Panel

Right Side Panel

PCI Slots

Motherboard Tray

2.5" HDD/SSD Adapter

PSU Dust Filter

HDD Cage

Front Fan

Front Panel

Front I/O Pin Define

e-SATA CONNECTOR	AC97 CONNECTOR
USB 3.0 CONNECTOR	HD CONNECTOR

AC97 CONNECTOR

MIC	MIC
AUD GND	MIC-BIAA
RET-R	FPOUT-R
NO PIN	+5V
RET-L	FPOUT-L

Pin

USB 3.0 CONNECTOR

VBUS	None
SSRX1-	VBUS
SSRX1+	SSRX2-
ground	SSRX2+
SSTX1-	ground
SSTX1+	SSTX2-
ground	SSTX2+
D1-	ground
D1+	D2-
None	D2+

HD CONNECTOR

AUD GND	PORT1L
PRESENCE#	PORT1R
SENSE1_RETURN	PORT2R
NO PIN	SENSE_SEND
SENSE2_RETURN	PORT2L

Pin

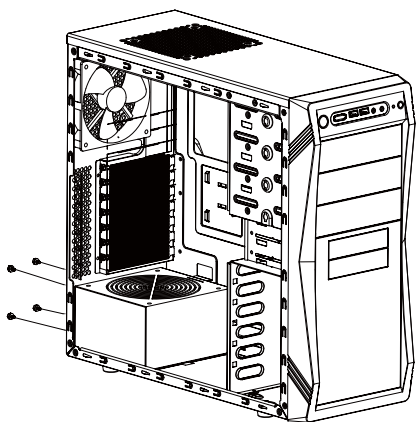| PIC	ITEM	PURPOSE	PIC	ITEM	PURPOSE
	STANDOFFS x11	Motherboard		HDD Rail x4 Sets	HDD
	SCREWS x15	Motherboard Power Supply		Buzzer x1 (PC Speaker)	Motherboard
	SCREWS x18	2.5" HDD/SSD, ODD, Floopy			

Installation Guide

1.
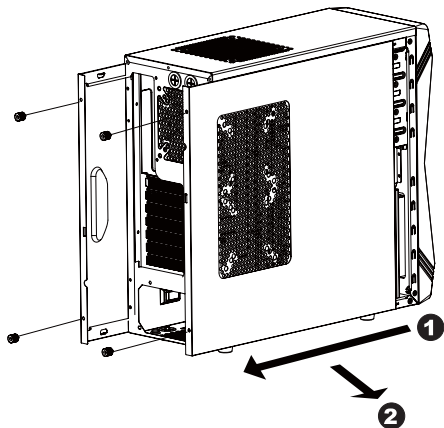
Unscrew to remove left and right panel.

2.

Place the power supply from the left side into the chassis and secure with screws.

NOTICE : If your power supply is equipped with single fan (120mm, 135mm or 140mm), you have two options to install it.

1. The fan faces UP – No special needs for attention.
2. The fan faces DOWN – You have to put this computer case on a HARD surface (ex. desk) to make sure enough room for power supply cool air intake and please remember to clean PSU dust filter regularly. (Refer to P.8)
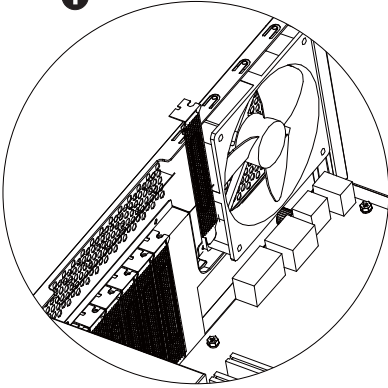
Installation Guide

3.
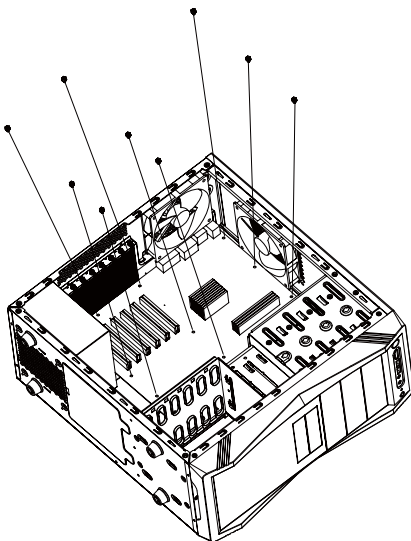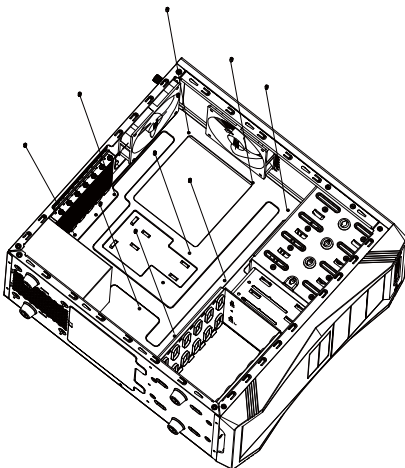
-Install motherboard stand-offs according to your motherboard's screw holes.
-Place the motherboard onto stand-offs and secure with screws.
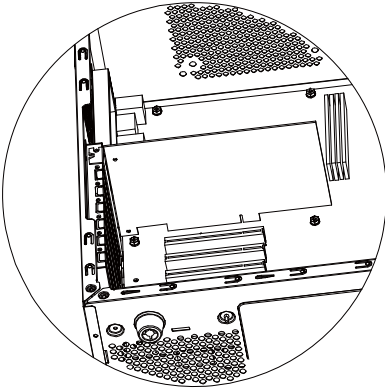
Installation Guide

4.

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-Confirm which slot you want to install an add-on card
 then unscrew to remove the mesh cover.
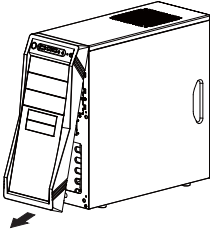-Install the add-on card and secure with screws.
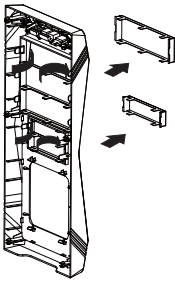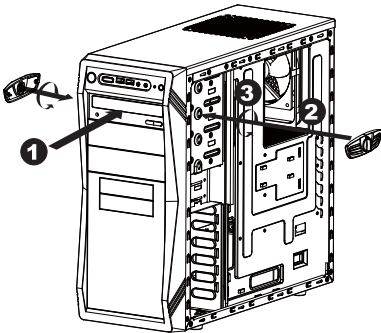
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Installation Guide

5.

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-Pull to remove the front panel.
-Confirm which bay you want to install device(s) then
  remove the bay cover.
-Reinstall the front panel.

6.

-Insert the 5.25" device from the front panel into the
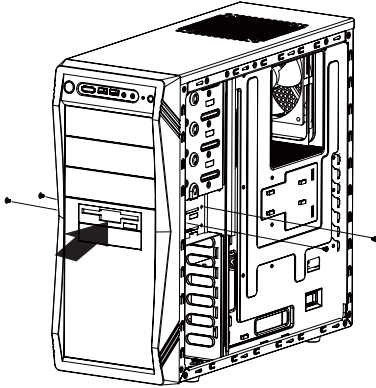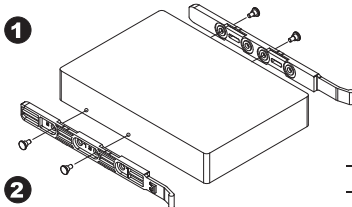 chassis then secure with screw-less kits.

Loosen   Fasten

Installation Guide

7.

-Insert the external 3.5" device from the front panel into the chassis then secure with screws.
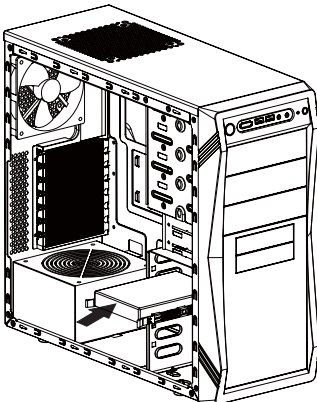

8.

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-Attach rails onto the 3.5" HDD
-Insert it into its slot and push to the bottom to secure.

NOTE :
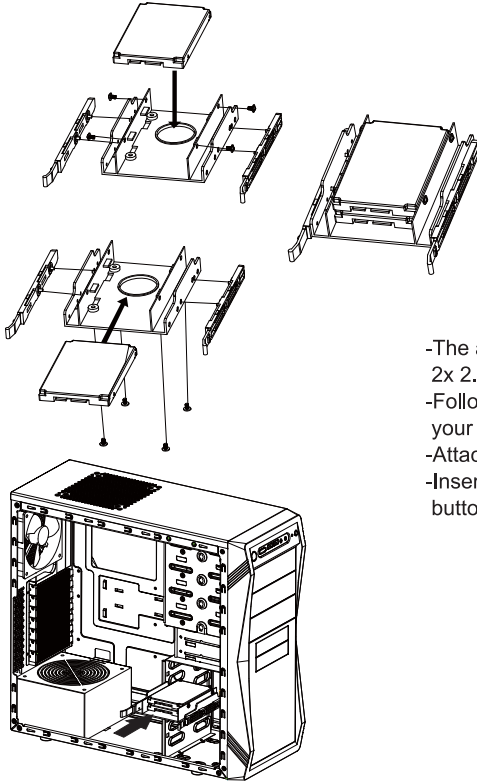Change HDD's direction by changing nails' position.

L : HDD's connectors face to left side panel
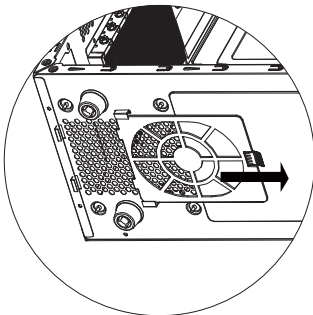R : HDD's connectors face to right side panel

Installation Guide

9.

-The adapter can make 1x 3.5" HDD slot to load 2x 2.5" HDD/SSD.
-Follow left instruction to use screws to secure your 2.5" HDD/SSD(s) onto this adapter.
-Attach rails onto the adapter.
-Insert it into 3.5" HDD's slot and push to the buttom to secure.

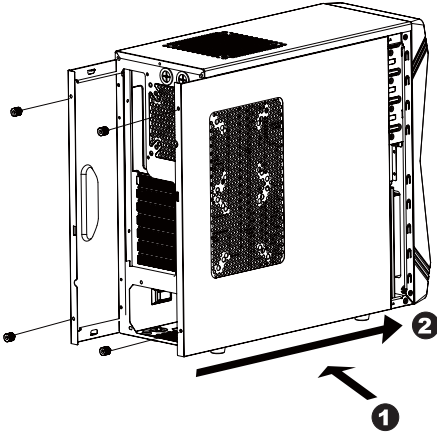## 10.

Clean the dust filter regularly to make sure PSU can pull in enough cool air from bottom.

Installation Guide

11.

Make sure all necessary cables and wires are connected, then
reinstall side panels and secure with screws.

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