S10V / S14V / S16V user guide

Origen æ

S10V / S14V / S16V user guide

Thank you for purchasing this Origen[ae] htpc enclosure. We recommend that you read this user guide thoroughly before installation.

Origen[ae] has rapidly grown to be one of the worlds leading HTPC enclosure manufacturers since its inception in 2000. We were one of the first companies with the vision to produce high end htpc enclosures that harmonise with mainstream audio visual equipment, allowing the pc to leave the office and fit effortlessly into the living room environment.

We are driven by the passion to produce exceptional products that push technical and aesthetic boundaries to new levels.

For more information on all of our products, visit www.origenae.com

Origen[ae] is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation or improper testing.

SVUG.V1/11.07

index

S10V

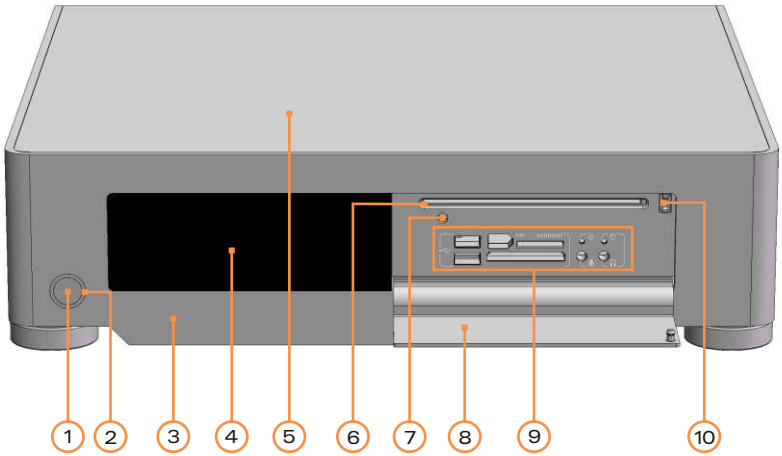
S14V / S16V

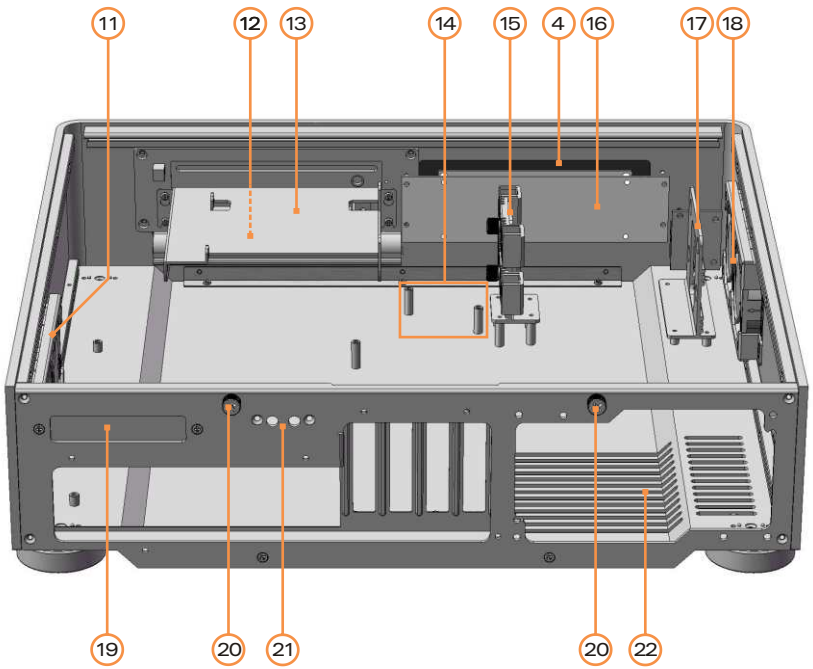
S10V overview

These are the main features and controls of the S10V htpc enclosure.

1 Power button
2 Power LED ring
3 One piece aluminum chassis
4 VFD/IR acryl window
5 Top panel
6 Slot for optical disk drive (ODD)
7 ODD eject button
8 Soft-eject access panel
9 I/O ports/multi-format card reader
10 Door latch
11 2 x 60mm low dB exhaust fans
12 I/O ports/card reader PCB
13 ODD bracket
14 Philips IR controller* fixing point
15 Hard drive mount brackets
16 VF210 VFD/IR module
17 HD chassis mount
18 2 x 60mm low dB intake fans
19 Auxiliary access slot
20 Top panel fixing screw
21 Philips IR blaster* fixing point
22 PSU intake vent (when isolated)

*part of an optional IR kit (IR221)



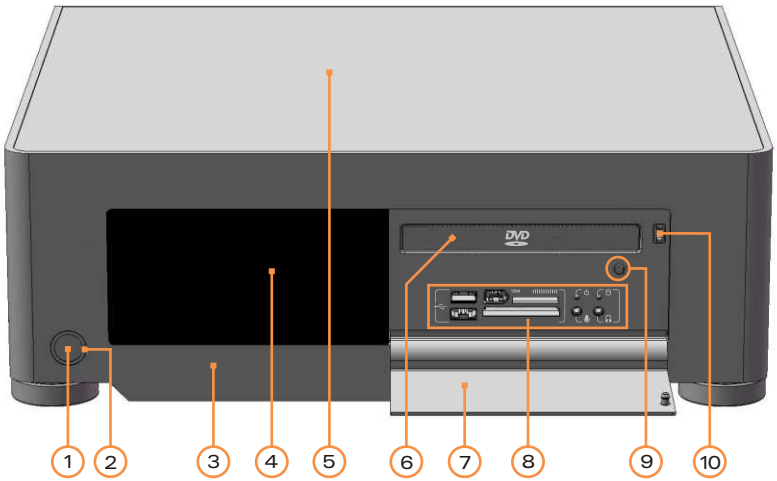


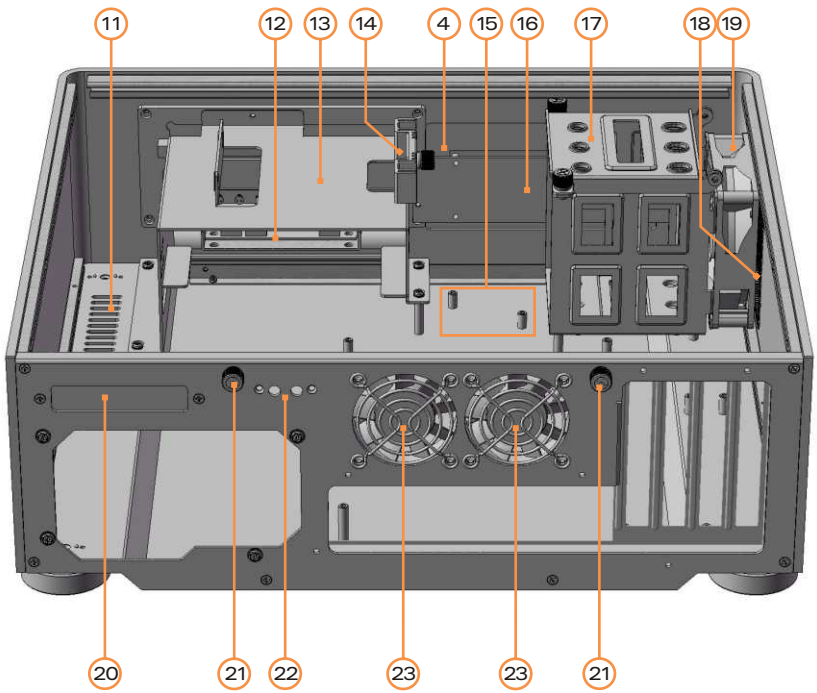
S14V overview

These are the main features and controls of the S14V htpc enclosure.

1 Power button
2 Power LED ring
3 One piece aluminum chassis
4 VFD/IR acryl window
5 Top panel
6 Optical disk drive (ODD) bezel
7 Soft-eject access panel
8 I/O ports/multi-format card reader
9 ODD eject button
10 Door latch
11 Intake vent
12 I/O ports/card reader PCB
13 ODD cage
14 4th HD mount bracket
15 Philips IR controller* fixing point
16 VF210 VFD/IR module
17 Primary hard drive cage
18 Side intake vent
19 92mm low dB fan
20 Auxiliary access slot
21 Top panel fixing screw
22 Philips IR blaster* fixing point
23 60mm low dB fan

*part of an optional IR kit (IR221)



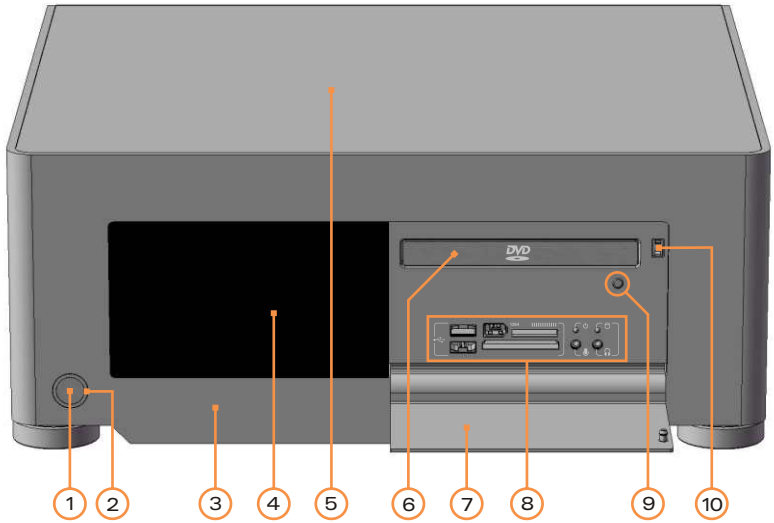


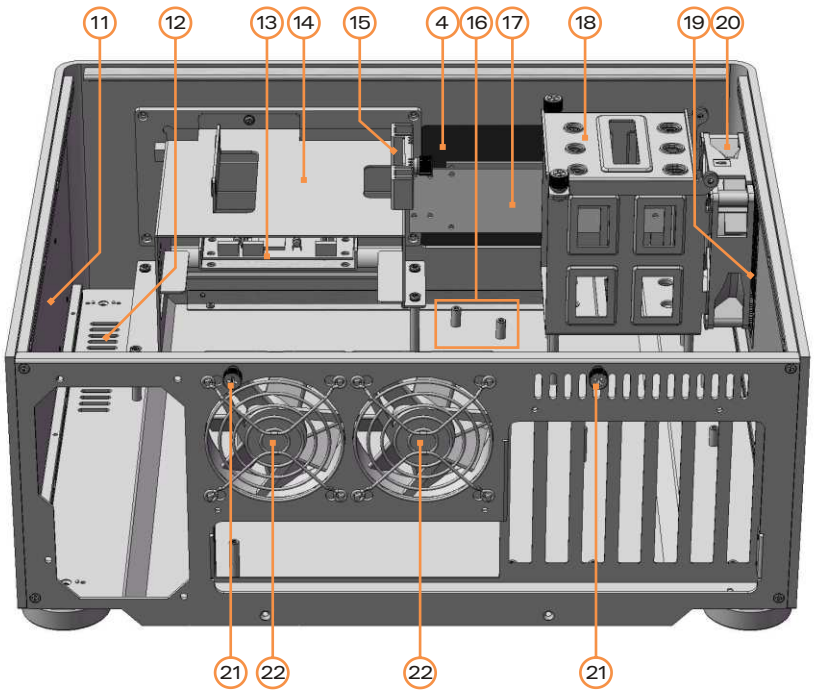
S16V overview

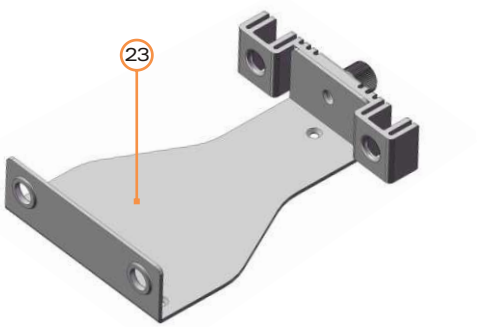
These are the main features and controls of the S16V htpc enclosure.

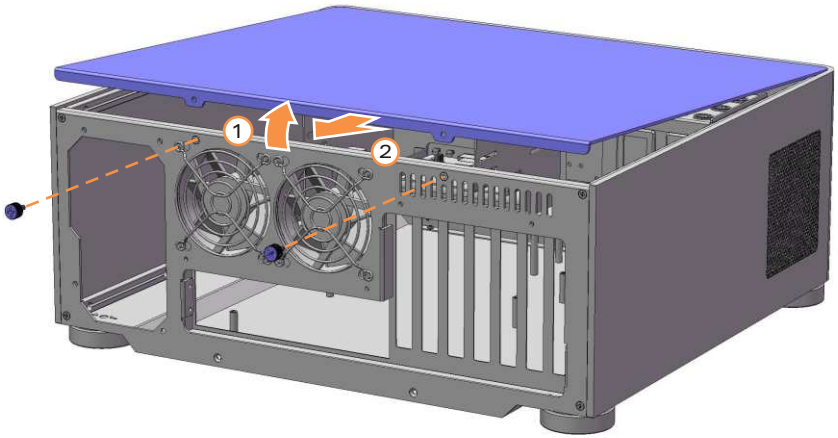
1 Power button
2 Power LED ring
3 One piece aluminum chassis
4 VFD/IR acryl window
5 Top panel
6 Optical disk drive (ODD) bezel
7 Soft-eject access panel
8 I/O ports/multi-format card reader
9 ODD eject button
10 Door latch
11 Fixing point for HM100+ (see 23)
12 Intake vent
13 I/O ports/card reader PCB
14 ODD cage
15 4th HD mount bracket
16 Philips IR controller* fixing point
17 VF210 VFD/IR module
18 Primary hard drive cage
19 Side intake vent
20 92mm low dB fan
21 Top panel fixing screw
22 80mm low dB fan
23 HM100+ hard drive mount (allows a 5th HD to be installed)

+optional accessory
*part of an optional IR kit (IR221)









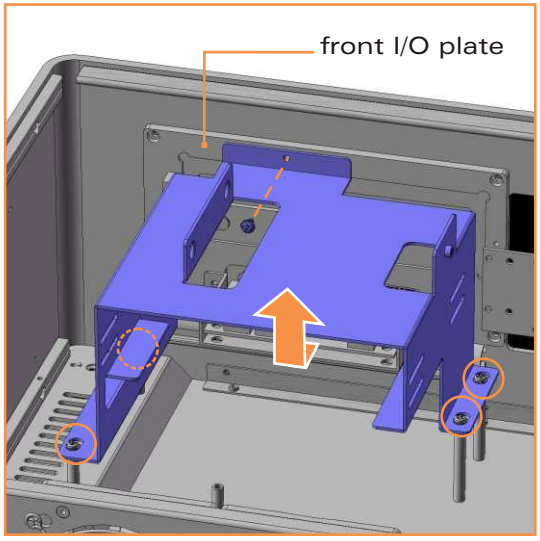
Opening the case

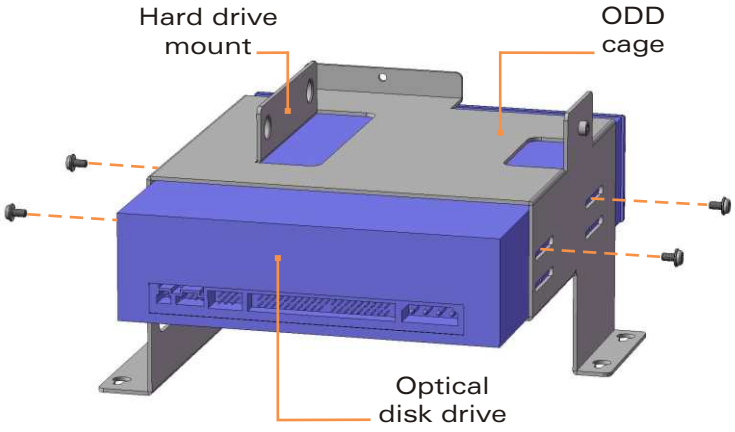
Remove the thumb screws as indicated. Carefully raise the panel as shown (about 30mm is enough) and pull out to remove. Reverse the procedure to replace.

DO NOT force upwards as this could cause damage to the top panel.

ODD cage removal [S14V/S16V]

Remove the top fixing screw completely. Loosen (no need to remove) the 4 fixing screws circled. Keyhole shaped holes on the base of the cage allow it to slide back and be lifted out over the screw heads, ready for ODD installation.



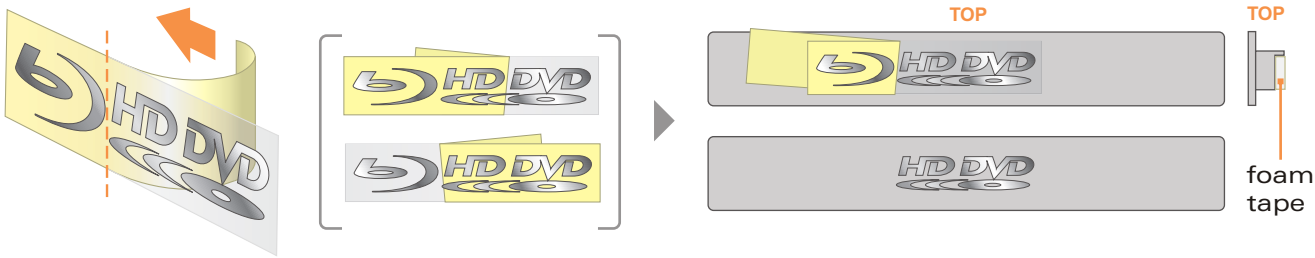


Optical disc drive installation [S14V/S16V]

Unclip the existing plastic drive bezel from your ODD. The disc tray should be ejected for this and usually requires some upward force to the bezel. Slide the optical disk drive through the front of the cage. Before securing the drive screws, check/adjust the ODD's position in the chassis - it should sit as close to the front I/O plate as possible without the drive eject button becoming depressed. Secure all fixing screws and double check the eject button functions correctly.

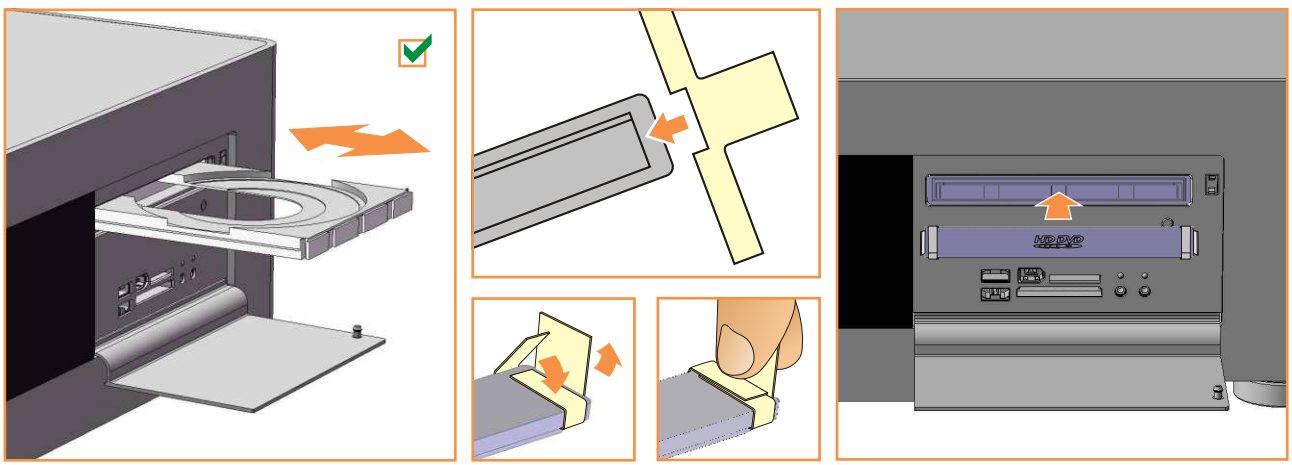
Metal sticker fitting instructions [S14V/S16V]

The drive format icon should also be fitted to the bezel before installation. The metal sticker sheet supplied has Blu-ray, HD-DVD or DVD icons, depending on the format being used. Ensure the bezel is free from dirt of grease. Peel and fold back the yellow backing sheet, revealing only the part you wish to use. Carefully position the icon as central as possible, then apply even pressure over the entire area. Peel off the plastic film (and unused icons) to reveal you handy work!

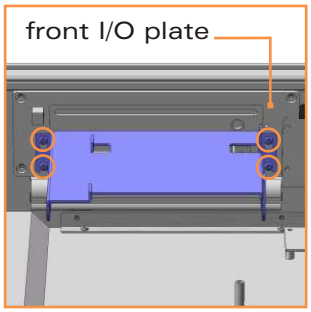


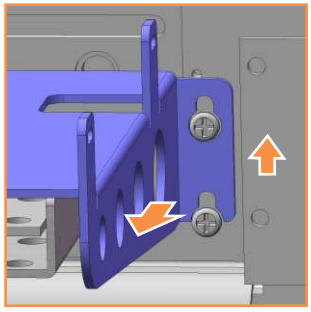
Optical disk drive (ODD) bezel installation [S14V/S16V]

The aluminum ODD bezel matches the finish of the case. The installation procedure requires that the plastic drive bezel that comes fitted to your drive, be removed prior to installation.



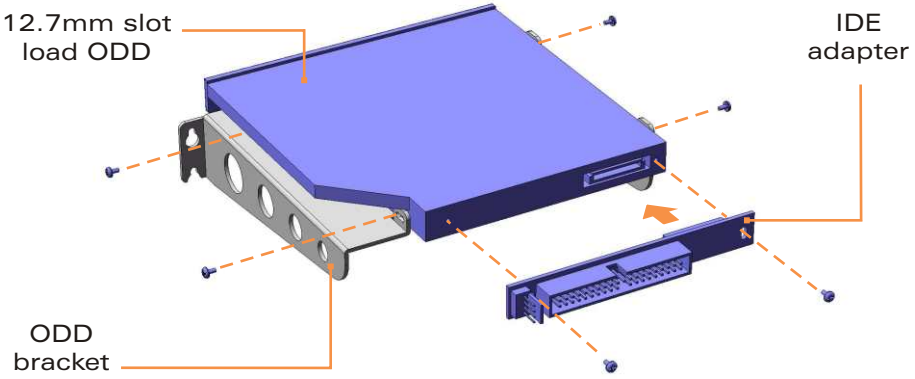
Check that the drive has been aligned correctly and that the tray can eject and close freely. Peel the back off the adhesive foam strip on the rear of the aluminium bezel. Fold a cardboard spacer around each end of the bezel, holding your thumb against the flaps as shown. With the tray closed, position inside the drive opening and press firmly against the front of the tray to ensure good adhesion. Eject the tray to remove the spacers (a gentle tug may be required).





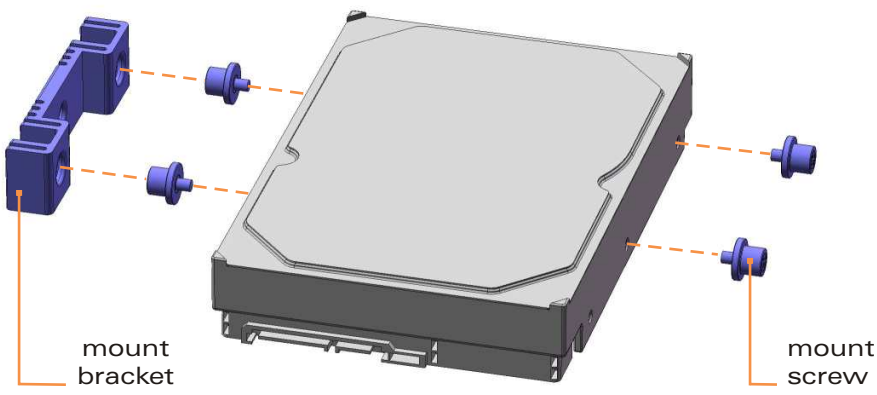
Optical disc drive installation [S10V]

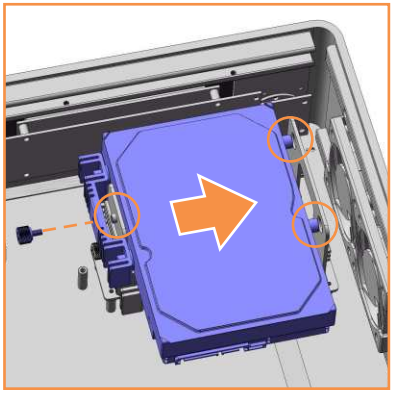
Loosen (no need to remove) the 4 fixing screws. Keyhole shaped holes allow the ODD bracket to slide up and be lifted out over the screw heads. Install the ODD as shown. The IDE adapter will allow for the standard 40 pin connecter. Before securing the drive screws, check the ODD's position in the chassis - it should sit as close to the front I/O plate as possible without the drive eject button becoming depressed. Secure all fixing screws and check the eject button functions correctly.



Hard Drive installation [S10V]

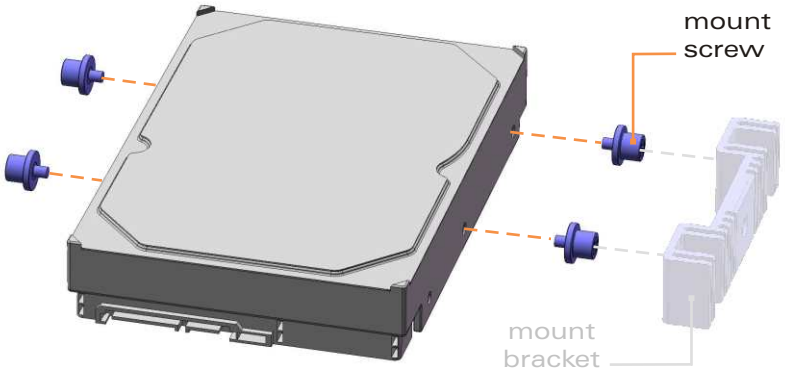
The S10V supports 2 hard drives. Each HD requires four anti-vibration screws, secured as shown, which will isolate the drive from the chassis once installed. A single mount bracket is push fitted over the mount screws on the one side only. The drive may then be positioned between the chassis mounts as shown, and gently pushed into place, taking care not to damage the rubber on the mount screws. One thumb screw will secure the hard drive in place.



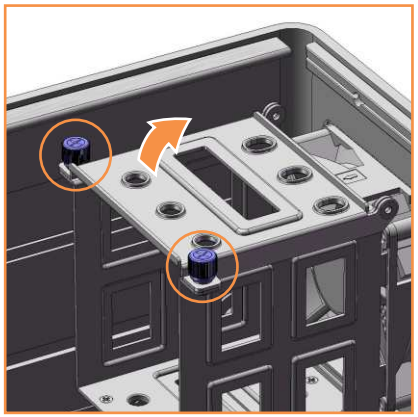


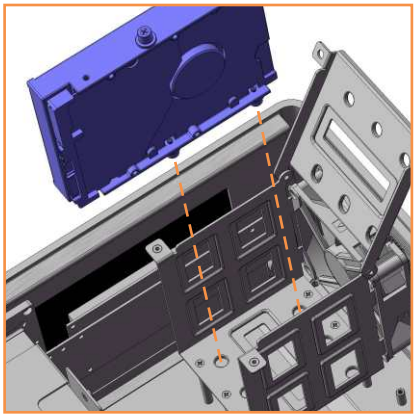
Hard Drive installation [S14V/S16V]

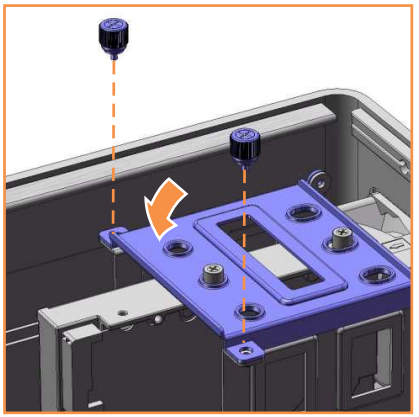
The S14V and S16V support up to 4 hard drives*, three in the primary HD cage and one above the ODD. Each HD requires four anti-vibration mount screws, secured as shown, which will isolate the drive from the chassis once installed. The mount bracket is only needed for the drive above the ODD and should be fitted on the one side prior to installation.



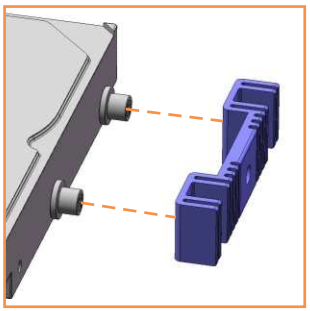
To install drives 1,2 and 3, begin by removing the two thumb screws...

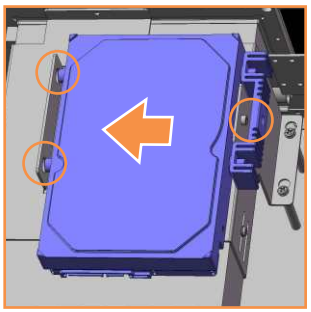


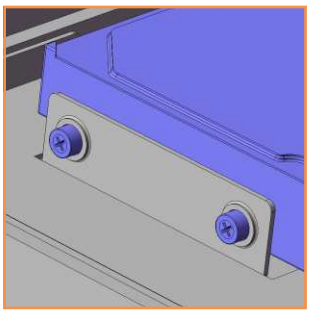


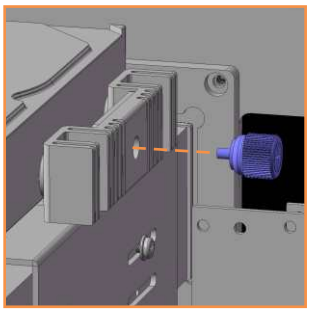


To install the 4th HD above the optical drive...





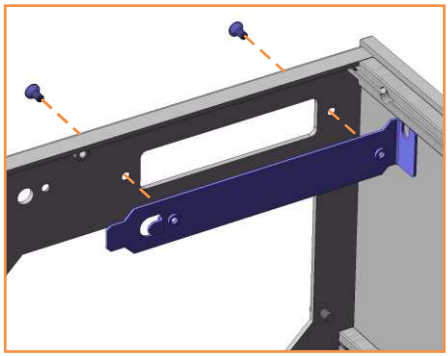


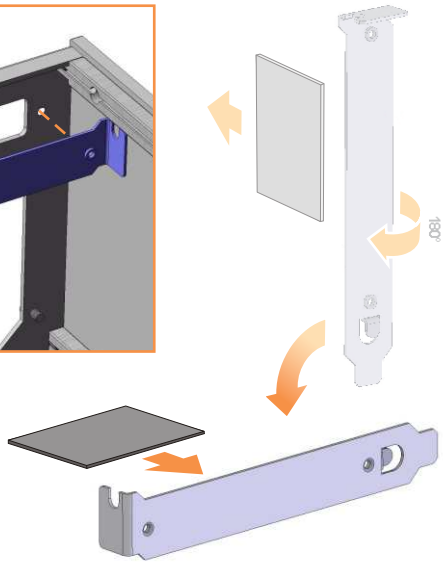


*A fifth drive can be installed to the S16V, using the HM100 hard drive mount (optional).

Auxiliary access slot [S10V/S14V]

The S14V & S10V features an auxiliary access slot on the back of the chassis, which is designed to fit all expansion brackets that are supplied with other OrigenAE products. To install, the bracket must first be unscrewed from the PCB & re-attached 'back-to-front' before fixing to the auxiliary slot. This access point could also aid any custom expansion, where external connectivity with a component or the M/B is required.

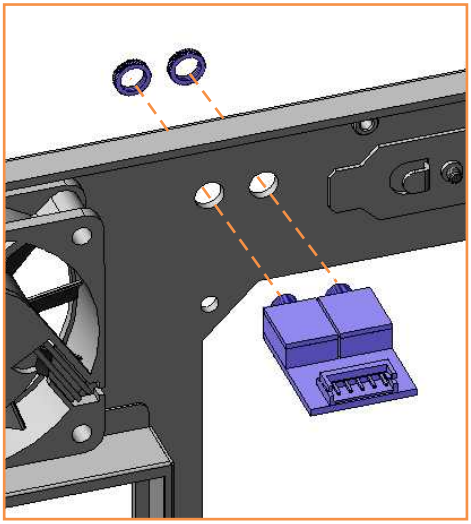


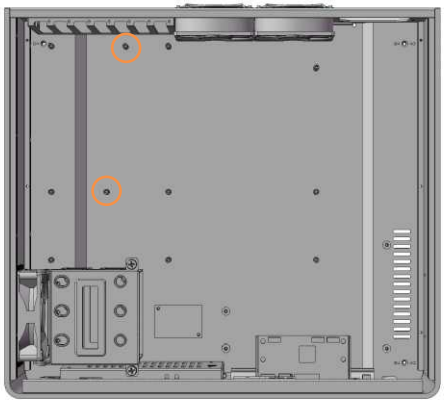


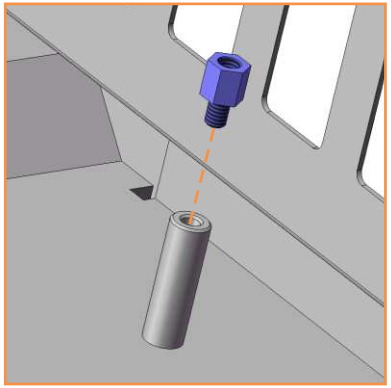
Separate the PCB from the OrigenAE expansion bracket. Flip the bracket 180 degrees and re-fit it 'back-to-front'.

IR Blaster installation [S10V/S14V]

Both the S10V & S14V have an IR blaster fixing point on the rear of the chassis, for when the optional Philips IR solution is used. This allows for more flexibility when spare expansion slots are not available. Unscrew the blaster PCB from the expansion bracket and re-install as shown.







Micro ATX standoffs [S16V]

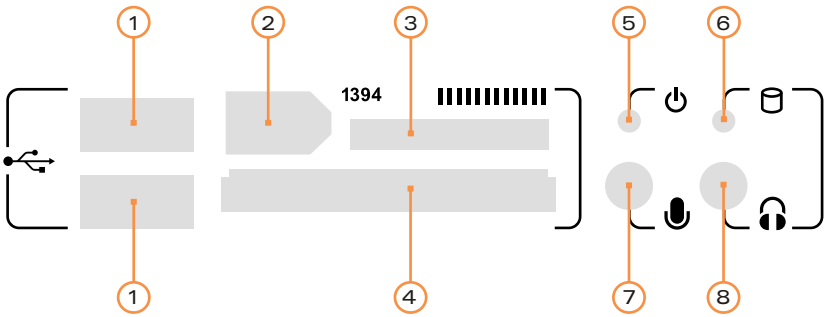
If a micro ATX motherboard is to be installed in the S16V, the spacer bolts supplied must be used. Screw the bolts into the two shorter standoffs as indicated.

Spacer bolts MUST NOT BE INSTALLED when a full ATX motherboard is used as damage could occur.

Multi-format card reader & I/O ports

All the S range cases come fitted with a multi-format card reader and front I/O port PCB which consist of audio in and out, 1394 and two USB ports. A built-in USB hub powers the front USB ports as well as 2 internal connectors, which are used for the IR controller, VFD or [TFT] touch panel, depending on the model. The audio ports support both AC97 and HD audio standards, while the card reader supports all the card formats listed at the bottom of the page.

1 - USB port
2 - 1394 port
3 - Multi format reader
4 - Compact flash reader
5 - Card reader power LED
6 - Activity indicator LED
7 - Audio in socket
8 - Audio out socket



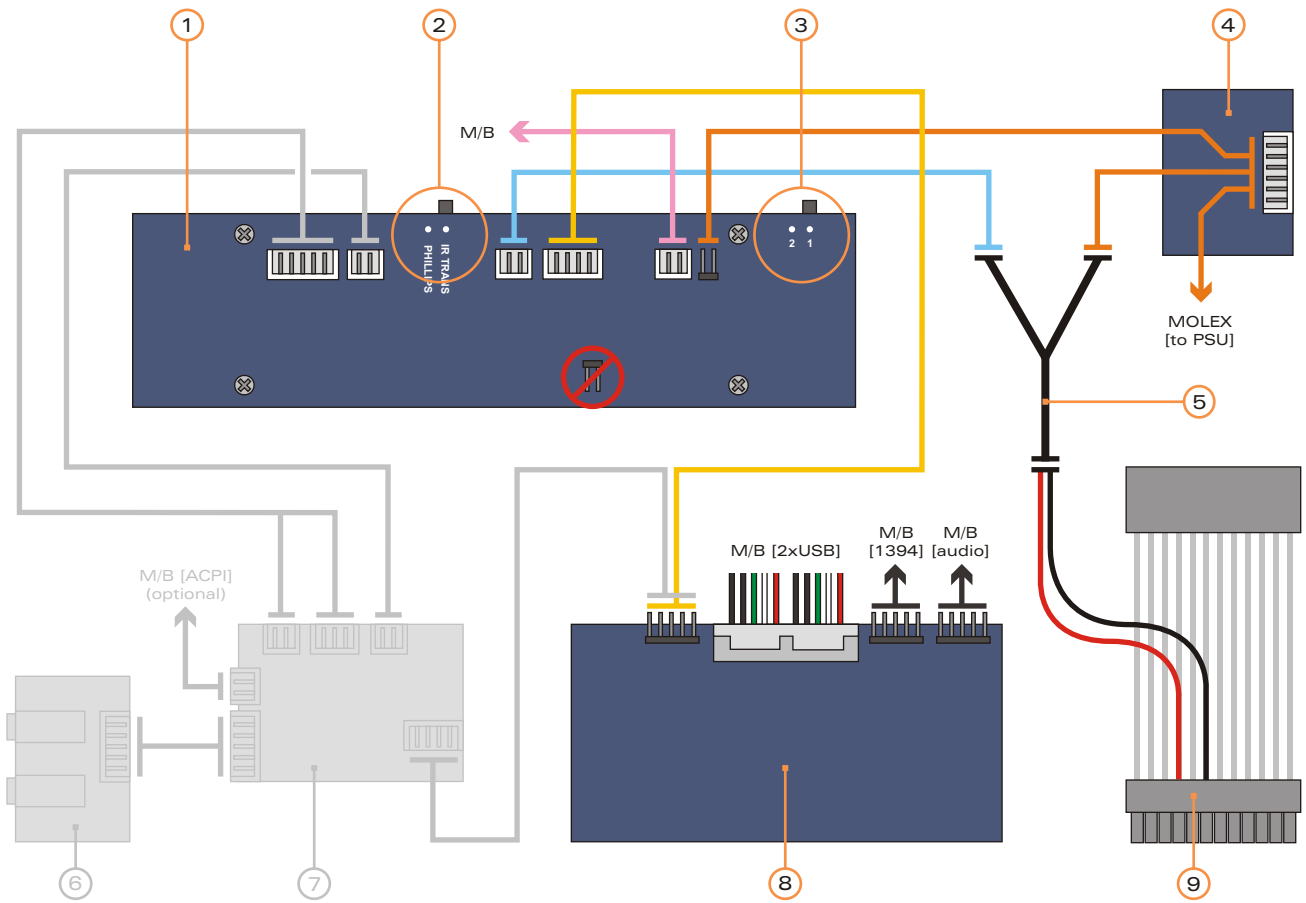
1 Compact Flash Card TYPE I
2 Compact Flash Card TYPE II
3 Compact Flash Ultra Card TYPE I 45 X
4 Compact Flash Ultra Card TYPE I 80 X
5 Compact Flash Ultra Card TYPE I 120 X
6 Compact Flash Ultra II Card TYPE I
7 Compact Flash Extreme Card
8 Compact Flash Extreme III Card
9 Compact Flash ELITE PRO Card
10 Compact Flash Ultimate Card 100X
11 Compact Flash Ultra-X Card 140X
12 IBM Micro Drive Card
13 Sony Micro Drive Card
14 Smart Media Card
15 XD-Picture Card
16 Secure Digital Card
17 Secure Digital Ultra II Card
18 Secure Digital Extreme Card
19 Secure Digital Extreme III Card
20 Secure Digital Ultra II Plus Card
21 Secure Digital Card 45X
22 Secure Digital PRO Card 66X
23 Secure Digital Card 80X
24 Secure Digital Card 133X
25 Secure Digital Card 150X
26 Mini Secure Digital Card
27 Mini Secure Digital Ultra II Card
28 Mini Secure Digital Card 80X
29 Mini Secure Digital PRO Card
30 Micro Secure Digital Card
31 Micro Secure Digital Ultra II Card
32 Multi Media Card
33 Multi Media PRO Card
34 Multi Media Plus Card
35 Reduced Sized Multi Media Card
36 Reduced Sized Multi Media Mobile Card
37 Memory Stick
38 Memory Stick
(With memory select function)
39 Memory Stick (Magic Gate / High Speed data transfer compatible)
40 Memory Stick
(Magic Gate / High Speed data transfer compatible with memory select function)
41 Memory Stick Pro
42 Magic Gate Memory Stick
43 Magic Gate Memory Stick
44 Memory Stick Pro HS
45 Memory Stick Pro Ultra II
46 Memory Stick Pro Extreme
47 Memory Stick Pro Extreme III
48 Memory Stick Pro
49 Memory Stick Pro Duo
50 Memory Stick Pro Duo HS
51 Memory Stick Pro Duo
52 Memory Stick Duo (Magic Gate / High Speed data transfer compatible)
53 Memory Stick Pro Duo
54 Magic Gate Memory Stick Duo
55 Magic Gate Memory Stick Duo
56 Memory Stick ROM

NOTE: Card adapter required for some formats

PCB/cable reference diagram

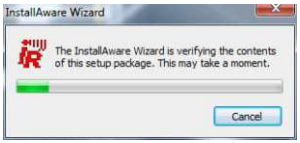
This is a general overview illustrating how the internal PCBs interconnect. Grey PCBs/cables indicate they come as part of an optional IR kit. The VFD should be switched to 'IR Trans' by default, which uses the built in IR controller. The LED switch toggles this feedback feature ON (2) and OFF (1). Please refer to your motherboard manual for the location of the correct ports and header pins.

1 - VFD/IR Module (VF210)
2 - [VFD] IR selector switch (IR Trans is default)
3 - [VFD] LED switch (IR Trans: 2=ON 1=OFF)
4 - Main power button PCB
5 - Standby power 'Y' cable
6 - Philips IR blaster output (optional)
7 - Philips IR control PCB (optional)
8 - Card reader/USB hub PCB
9 - Standby ATX power cable

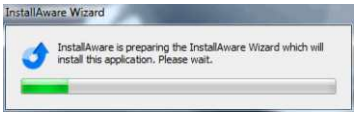


Installing VFD/IR Software

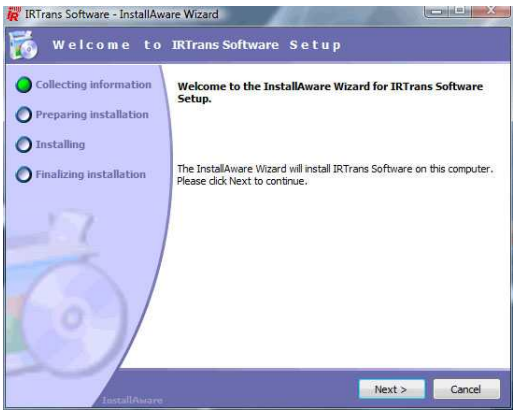
Download the latest IR Trans software from our website, extract the files then follow these steps...



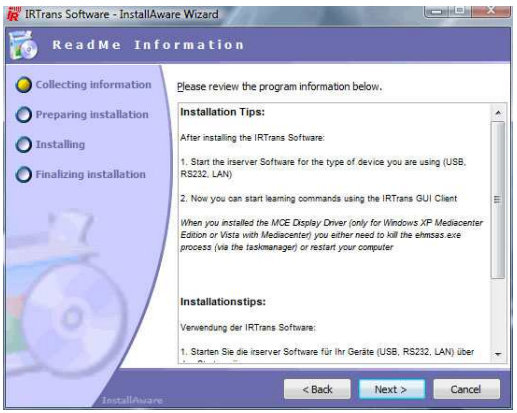
1 Begin the installer by double clicking the IR Trans setup file



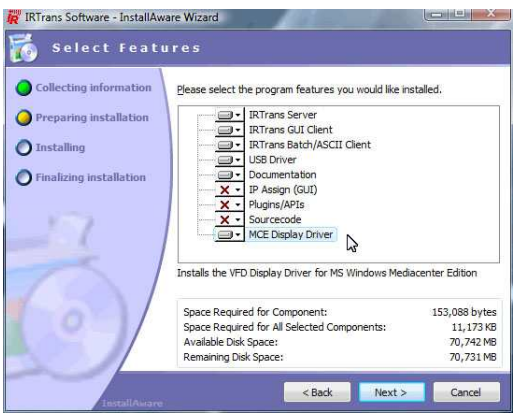
2 Installer will unpack and verify its contents



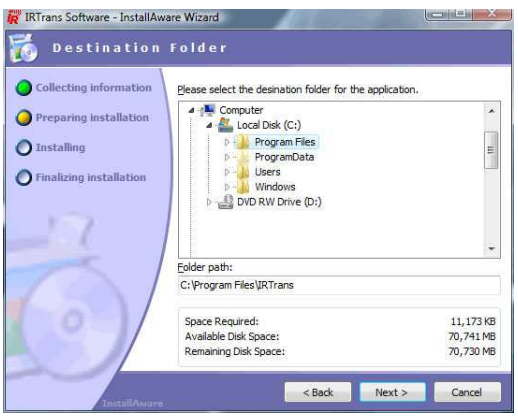
3 The main IR Trans installer page will load, click next to continue



4 Please read installation notes then click next

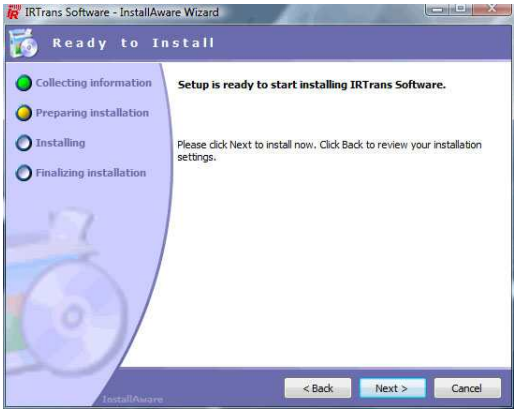


5 Ensure that you've selected the MCE Display Driver from the options page then click next

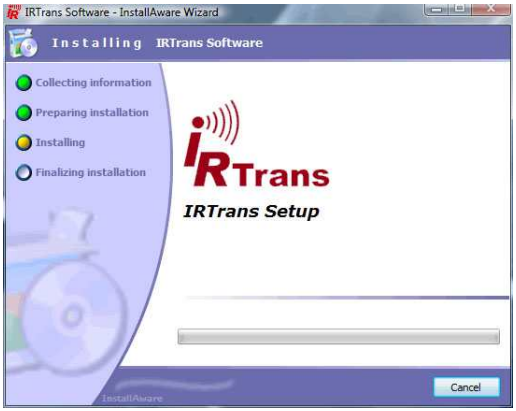


6 Select the destination folder. We recommend using the default location, then click next

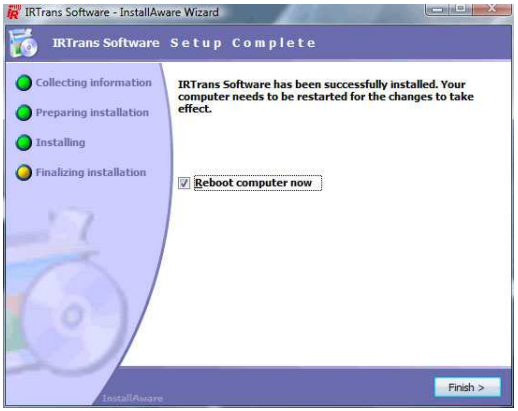
7 You can change the default menu group setting then click next to continue



8 You are not ready to start the file installation, click next to begin



9 Files and setting will now be copied and applied, please wait for this to finish



10 Installation is now complete and a reboot is required

Origen[æ]

Global HQ
#209 Baeksan B/D
763-2 Hengsin-Dong
Dukyang-Gu
Goyang City
Gyounggi-Do
412-220 South Korea

Website
www.origenae.com