

S16^T user guide

Origen^æ



S16T 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

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S16TUG.V1/09.07

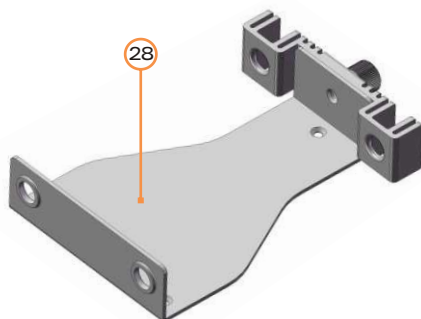
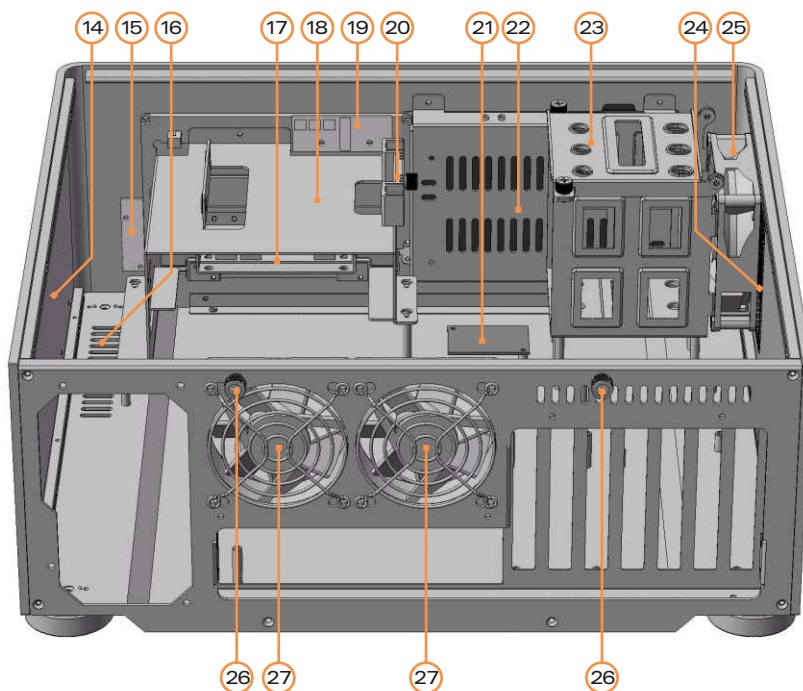
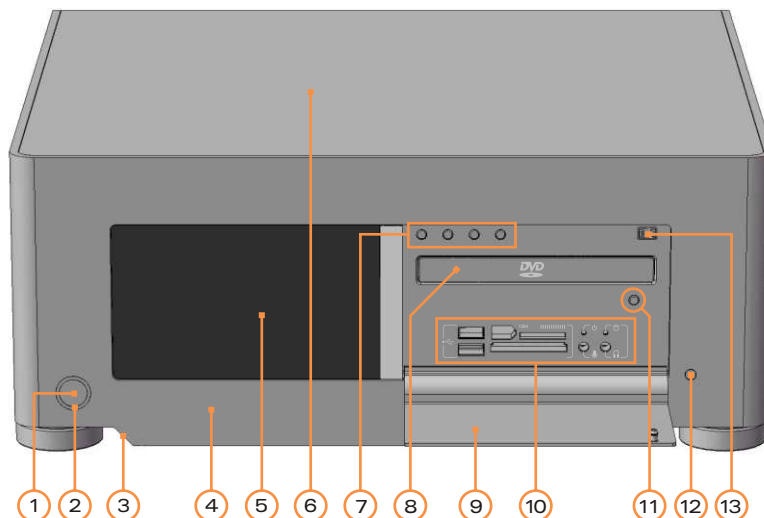
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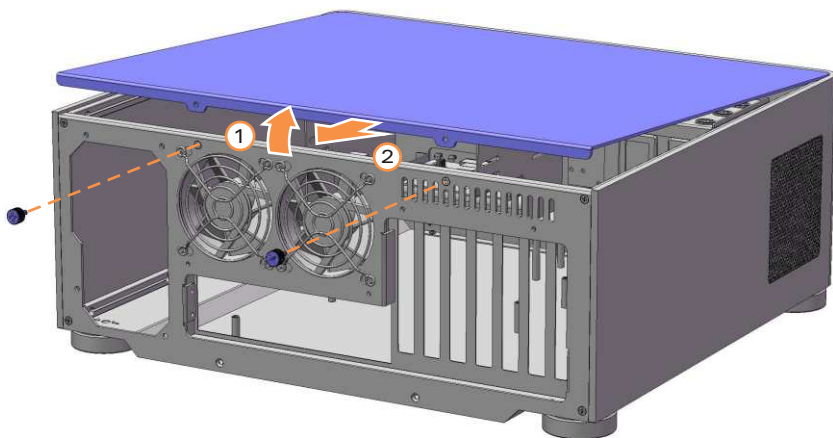
S16T overview

These are the main features and controls of the S16T htpc enclosure.

- 1 Power button
- 2 Blue LED ring
- 3 External TFT on/off (under chassis)
- 4 One piece aluminum chassis
- 5 7" TFT touch panel
- 6 Top panel
- 7 TFT menu controls
- 8 Optical disk drive (ODD) bezel
- 9 Soft-eject access panel
- 10 I/O ports/multi-format card reader
- 11 ODD eject button
- 12 IR receiver window
- 13 Door latch
- 14 Fixing point for HM100* (see 28)
- 15 IR receiver PCB
- 16 Intake vent
- 17 I/O ports/card reader PCB
- 18 ODD cage
- 19 TFT button PCB
- 20 4th HD mount bracket
- 21 Philips IR controller PCB
- 22 TFT module
- 23 Primary hard drive cage
- 24 Side intake vent
- 25 92mm low dB fan
- 26 Top panel fixing screw
- 27 80mm low dB fan
- 28 HM100* hard drive mount (allows a 5th HD to be installed)

*optional accessory





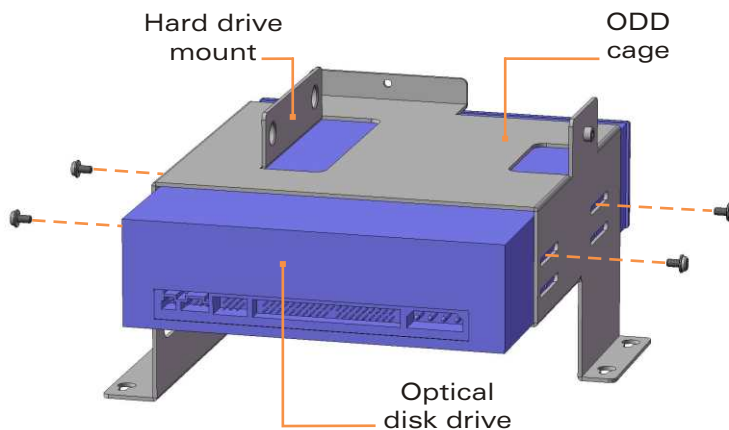
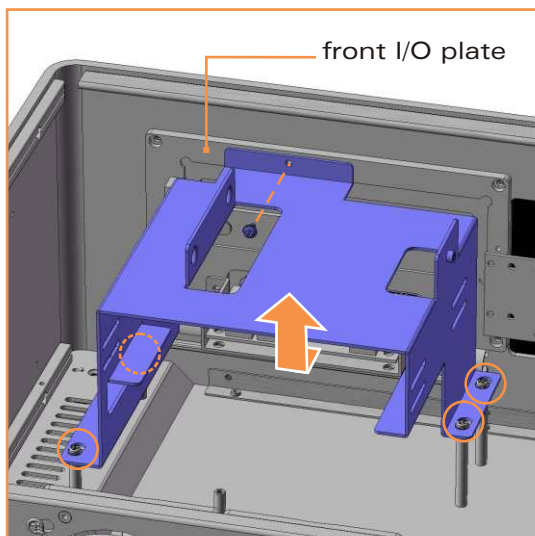
Opening the case

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

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.

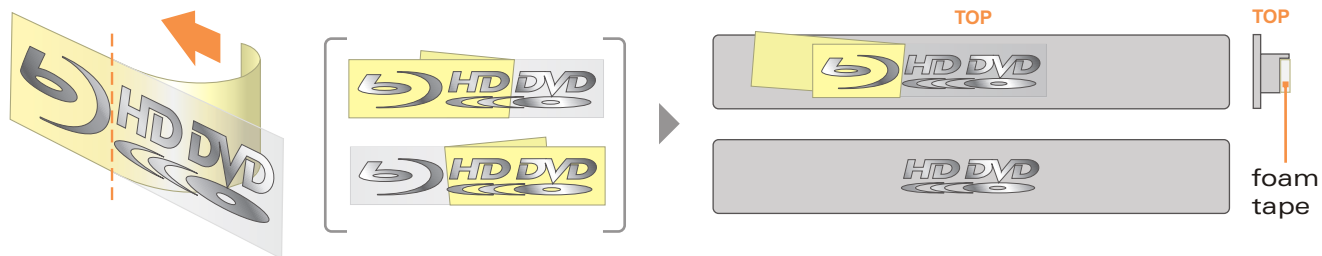


Optical disc drive installation

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.

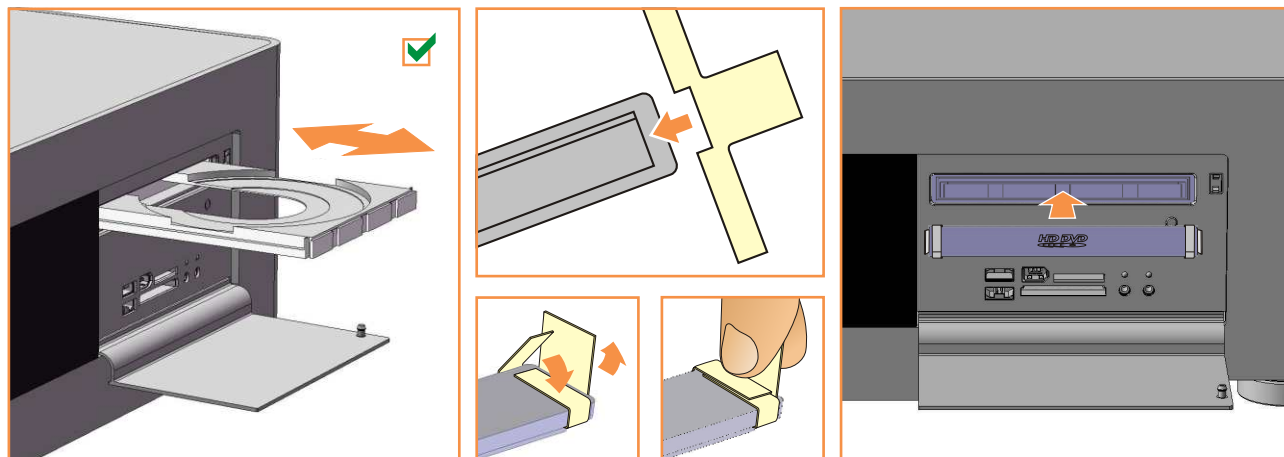
Metal sticker fitting instructions

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 or 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 your handy work!



Optical disk drive (ODD) bezel installation

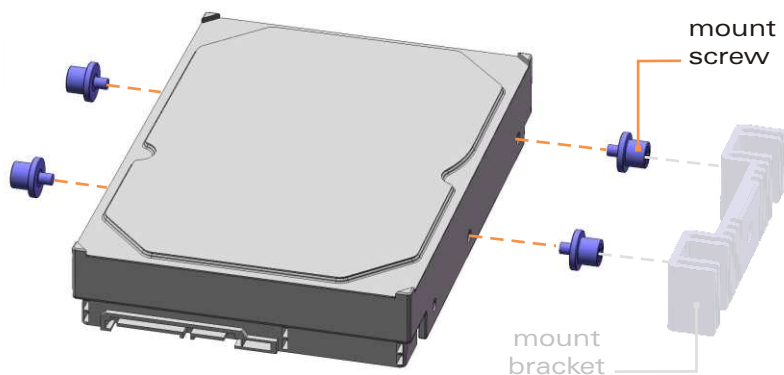
The aluminum ODD bezel matches the finish of the case. The installation procedure requires that the plastic drive bezel that comes fitted to your drive, be removed prior to installation.



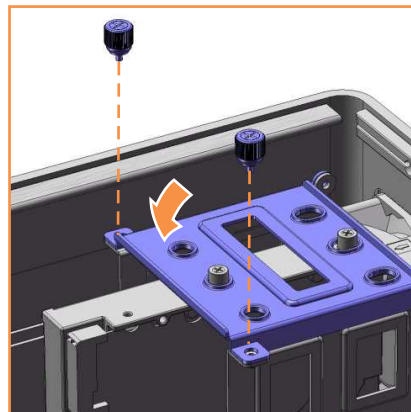
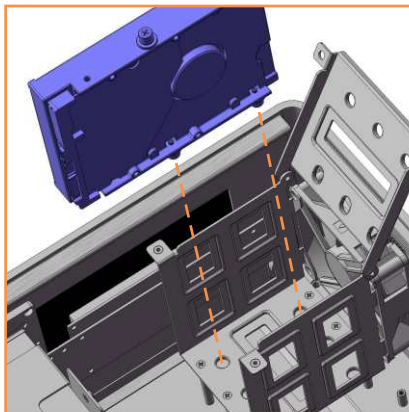
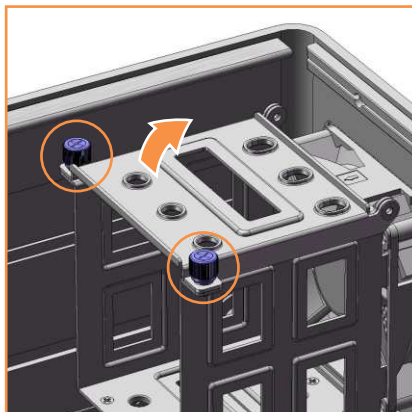
Check that the drive has been aligned correctly and that the tray can eject and close freely. Peel the back off the adhesive foam strip on the rear of the aluminium bezel. Fold a cardboard spacer around each end of the bezel, holding your thumb against the flaps as shown. With the tray closed, position 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).

Hard Drive installation

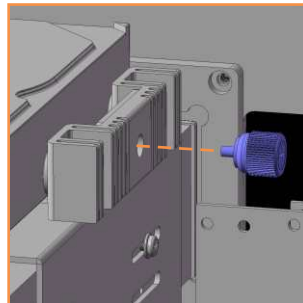
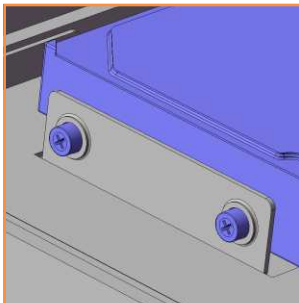
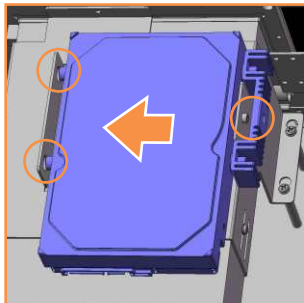
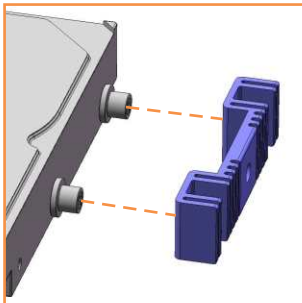
The S16T supports 4 hard drives as standard*; three in the primary HD cage and one above the ODD. Each HD requires four anti-vibration mount screws, secured as shown, which will isolate the drive from the chassis once installed. The mount bracket is only needed for the drive above the ODD and should 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 drive above the optical drive...



*A fifth drive can be installed to the S16T using the HM100 hard drive mount (optional).

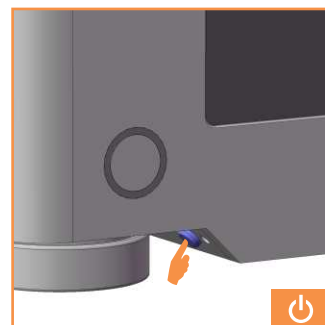
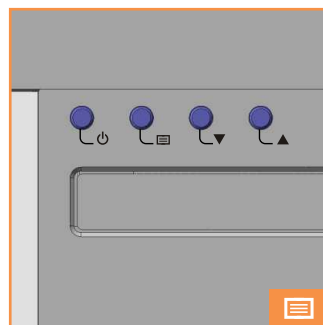
TFT controls / menu operation

The TFT controls are located behind the chassis door. A second TFT on/off button is discreetly located near the power button on the underside of the chassis. To configure the TFT, press the menu/set button (≡) to bring up the on screen display (OSD). Use the ▲ and ▼ buttons to navigate through the 10 menu categories. Press the ≡ button to select a category then where appropriate use the ▲ and ▼ to increase or decrease the value as desired.

Press the ≡ button again to confirm the setting then repeat the process until you have made all the required adjustments. To exit the OSD, simply locate the EXIT category and press the ≡ button (after 10 seconds of inactivity the OSD will exit automatically).

OSD

The screen shot guide below shows the quickest route [in grey] and the adjustment sequence [in orange] for each of the OSD menu categories (all assume you are not currently in the menu, with the exception of EXIT).



⏻ TFT power on/off

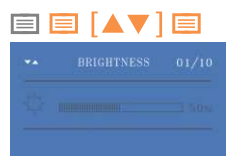
≡ Menu/set

▲ Value up

▼ Value down

- 1 ☀ BRIGHTNESS - adjusts the picture brightness.
- 2 🌑 CONTRAST - adjusts the picture contrast.
- 3 🌀 PHASE - adjusts the noise of the image.
- 4 ⌚ CLOCK - adjusts video sampling clock.
- 5 📺 H POSITION - adjusts the image horizontally.
- 6 📺 V POSITION - adjusts the image vertically.
- 7 🌐 LANGUAGE - language selection.
- 8 ⚙ AUTO - auto image adjust wizard.
- 9 ↺ RESET - resets to factory setting.
- 10 🚪 EXIT - exits the TFT menu.

Brightness.



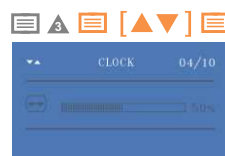
Contrast.



Phase.



Clock.



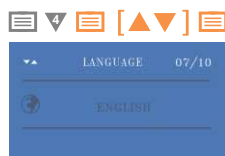
H position.



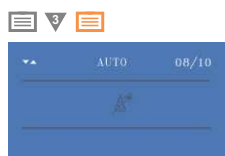
V position.



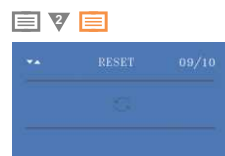
Language



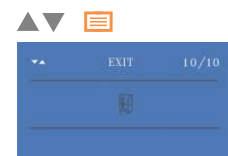
Auto-adjust.



Factory reset.



Exit.

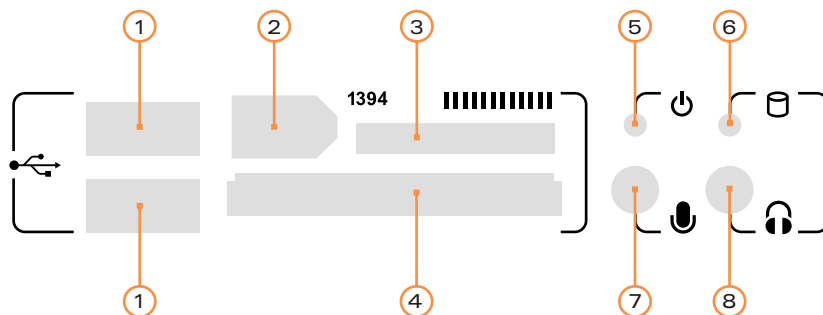




Multi-format card reader & I/O ports

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



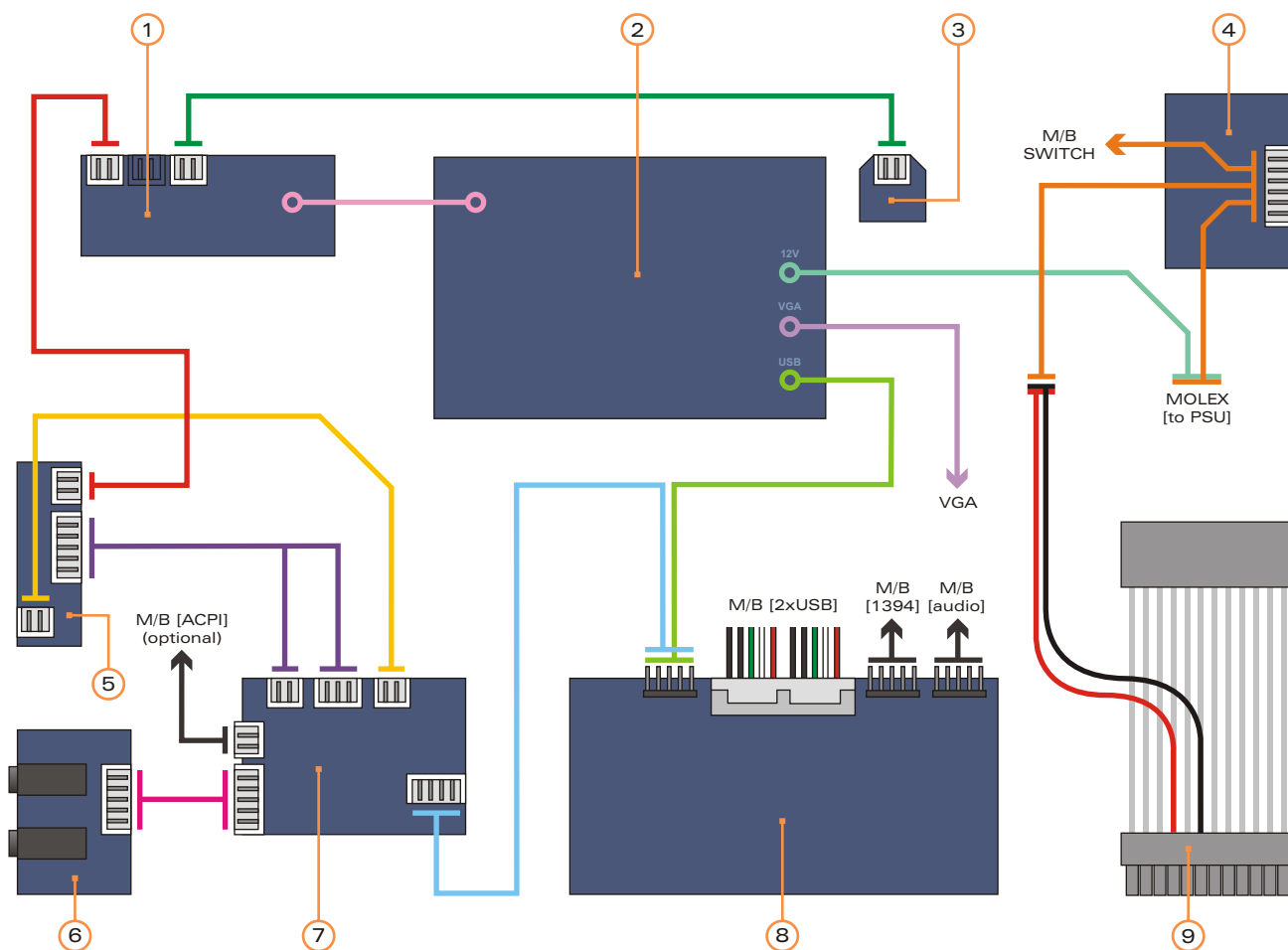
1 Compact Flash Card TYPE I	20 Secure Digital Ultra II Plus Card	39 Memory Stick (Magic Gate / High Speed data transfer compatible)
2 Compact Flash Card TYPE II	21 Secure Digital Card 45X	40 Memory Stick
3 Compact Flash Ultra Card TYPE I 45 X	22 Secure Digital PRO Card 66X	(Magic Gate / High Speed data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

NOTE: Card adapter required for some formats

PCB/cable reference diagram

This is a general overview illustrating how the internal PCBs in the S16T interconnect. Please refer to your motherboard manual for the location of the correct ports and header pins.

- 1 - TFT control button PCB
- 2 - TFT control (AD) board
- 3 - TFT [external] power on/off
- 4 - Main power button PCB
- 5 - IR receiver PBC
- 6 - Philips IR blaster output
- 7 - Philips IR control PCB
- 8 - Card reader/USB hub PCB
- 9 - Standby ATX power cable



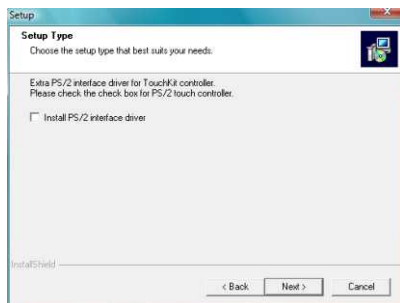


Touch panel software installation

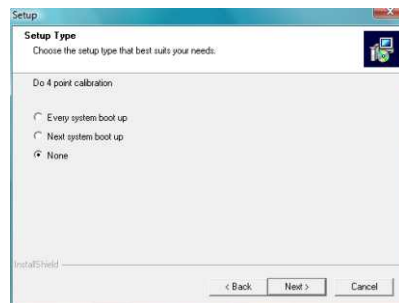
In order to use the touch panel, you must first install the touch panel software from either an install CD or downloaded from our website (www.origenae.com and navigate to support>downloads>s-series). To begin installation, double click on the setup.exe file located in the touch panel folder.



1 After opening the setup.exe file, the install will begin with the above prompt. Click 'Next' to continue.



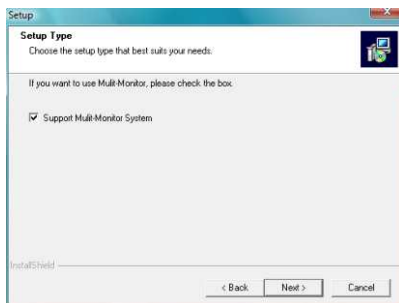
2 Ensure that 'Install PS/2 interface driver' is not selected and click 'Next'.



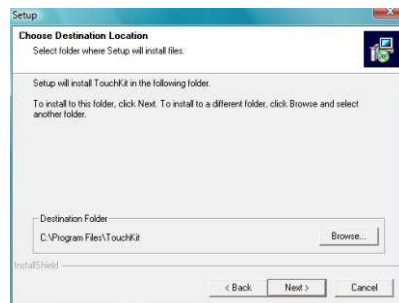
3 Select 'None' and click 'Next'. After completing the install, the TouchKit software will perform a 4 point calibration.



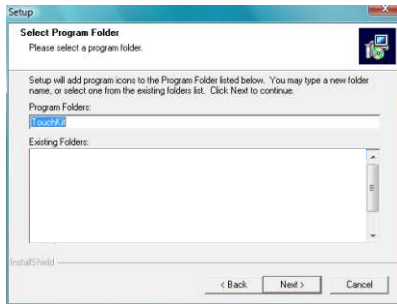
4 The touchscreen controller should already be connected if you have correctly connected all cables inside your chassis. Click 'OK'.



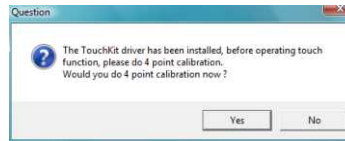
5 If you intend to use spanning mode with multiple monitors, please select 'Support Multi-Monitor Systems'. Click 'Next' to continue.



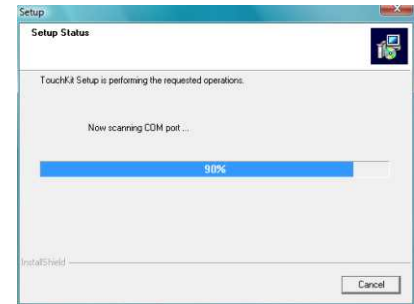
6 Change the TouchKit software install folder if required and click 'Next' to continue.



7 Change the Program Folder name if required and click 'Next' to continue.



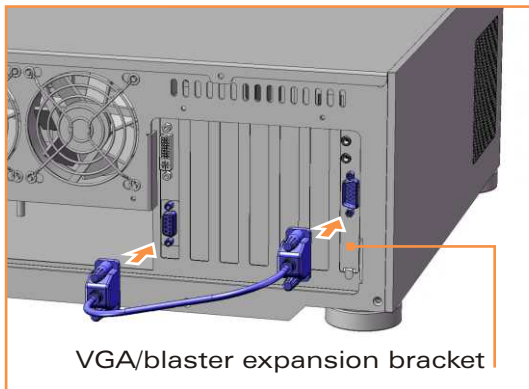
8 Click 'Yes' to perform a 4 point calibration. This is required for proper touch screen operation.



9 The software will now scan and install the touch screen device. The TouchKit calibration procedure will follow.



10 To perform the calibration, press and hold down the X that blinks in the corner of the screen, until it disappears. Repeat this procedure with each of the 4 X's that appear. On completion of this, the touch screen will be calibrated and ready for use.



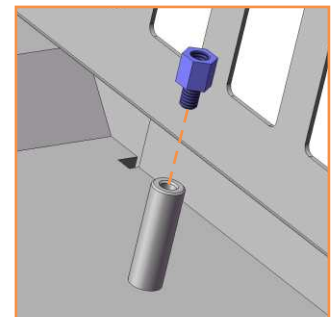
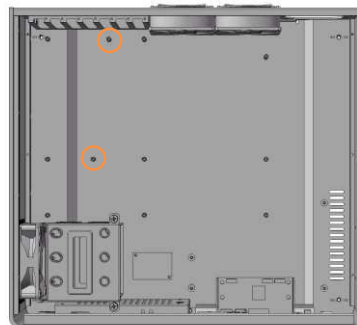
VGA loop cable

This provides the VGA signal from your graphics card to the 7" TFT via the VGA/blaster expansion bracket & internal cable. Fit the connectors as shown, then secure by turning the finger screws.

Micro ATX stanoffs

If a micro ATX motherboard is to be installed in the S16T, the spacer bolts supplied must be used. Screw the bolts into the two standoffs as indicated.

Spacer bolts **MUST NOT BE INSTALLED** with a full ATX motherboard, as damage could occur.





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