



SILVERSTONE[®]
Designing Inspiration

TS431U *MANUAL*

Four bay 3.5" HDD tower
with USB 3.1 Gen 1 and
eSATA interface



TS431U

Four bay 3.5" HDD tower
with USB 3.1 Gen 1 and
eSATA interface



Features

- Support four 3.5" SATA HDD
- Built-in power supply and dual 60mm fans
- Compact and screw-less design for easy HDD installation
- Plug and Play
- Support USB 3.1 Gen 1 maximum 5Gbps transfer speed
- Support eSATA maximum 3Gbps transfer speed(V1)
- Support eSATA maximum 6Gbps transfer speed(V2)

Specifications

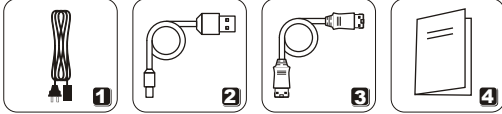
Model No.	SST-TS431U
Enclosure Material	Aluminum + SECC
Color	Black
Power Supply	Internal universal power supply switch (115V/230V) Input: AC 100-130V/200-260V, 50Hz/60Hz Output: DC +5V/6A +12V/11A
Drive Size Support	3.5" HDD/SSD
Drive Interface Support	SATA III/SATA II/SATA I
LED Indicator	Power LED - Blue for power on HDD status LED - Blue for HDD detected Red flashing for HDD access
Controller	JMB321, JMS539, ASM1453 (V1) JMB575, JMS567, ASM1456 (V2)
Enclosure Interface	USB 3.1 (Max. 5Gbps) compatible with USB 2.0, eSATA(Max. 3Gbps) (V1) USB 3.1 (Max. 5Gbps) compatible with USB 2.0, eSATA(Max. 6Gbps) (V2)
Cooling FAN	60mm fan x 2
Net Weight	3300±20g
Dimension	130mm (W) x 187mm (H) x 266mm (D) 5.12" (W) x 7.36" (H) x 10.47" (D)
Certifications	CE · FCC · RoHS compliance
Environment	Operating Temperature: 5°C ~ 35°C Operating Humidity: 20%RH ~ 80%RH Storage Temperature: -20°C ~ 50°C Storage Humidity: 20%RH ~ 80%RH
Accessories	TS431U (hard drives not included), USB 3.1 Gen 1 cable x 1 e-SATA cable x 1, Power cord x 1, User manual x 1
Computer System Requirements	Windows 10/8.1/8/7 or future release version Mac OS 10.x or future release version Linux Kernel 2.6.31 or above Computer with SuperSpeed USB 3.0 or USB 2.0 interface

PRODUCT INTRODUCTION

SilverStone created an incredible base storage product in the TS431U. It connects to the PC via 5Gbps SuperSpeed USB 3.1 Gen 1 interface or 3Gbps eSATA interface which enables data transfer with maximum compatibility and stability, making TS431U the best choice for storing and backing up large quantity of data.

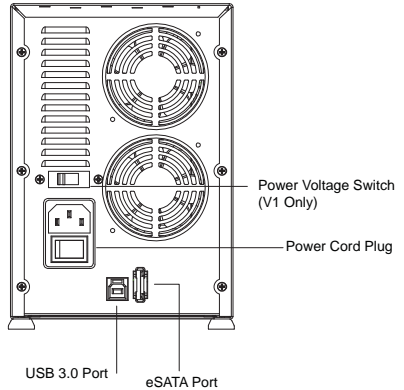
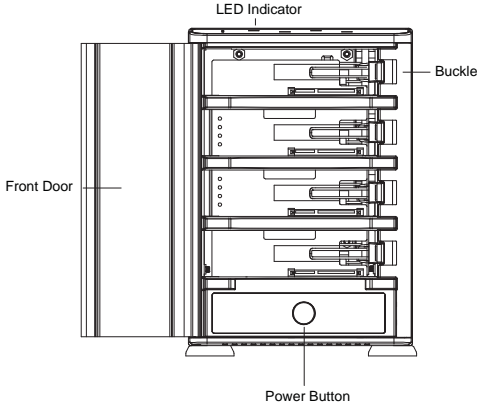
PACKAGE CONTENT

1. Power Cord
2. USB 3.0 Cable
3. eSATA Cable
4. User Manual

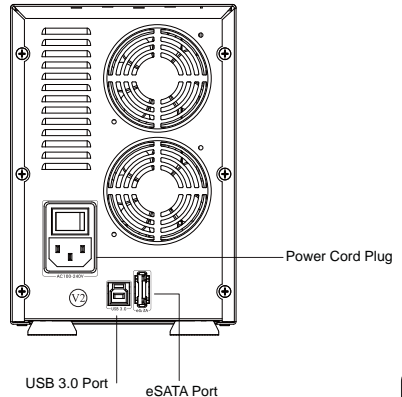
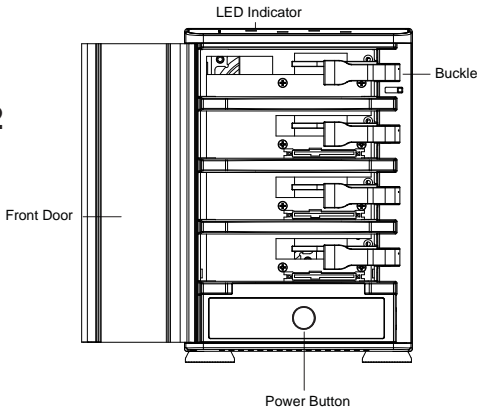


HARDWARE GUIDE

V1



V2



OPERATION

1

ENGLISH

Connect power cord and TS431U to your system with USB 3.0 cable or eSATA* cable.
 *If your computer's eSATA port does not support SATA Port multiplier please utilize USB 3.0 port or else install a eSATA card that supports SATA Port multiplier.
 If your computer supports SATA Port multiplier, update the chipset driver.

DEUTSCH

Schließen Sie Netzkabel und TS431U per USB 3.0- oder eSATA-Kabel* an Ihr System an.
 *Falls der eSATA-Port Ihres Computers keinen SATA-Portmultiplikator unterstützt, verwenden Sie bitte in den USB 3.0-Port oder installieren Sie eine eSATA-Karte, die mit SATA-Portmultiplikatoren kompatibel ist.
 Wenn Ihr Computer SATA-Portmultiplikatoren unterstützt, aktualisieren Sie bitte den Chipsatz-treiber.

FRANÇAIS

Branchez le cordon d'alimentation et le TS431U sur votre système avec un câble USB 3.0 ou un câble eSATA*.
 *Si le port SATA de votre ordinateur ne prend pas en charge le multiplicateur de ports SATA veuillez utiliser le port USB 3.0 ou installez la carte eSATA qui prend en charge le multiplicateur de ports SATA.
 Si votre ordinateur prend en charge le multiplicateur de ports SATA, mettez à jour le jeu de puces.

ESPAÑOL

Conecte el cable de potencia y el TS431U a su sistema con el cable USB 3.0 ó el cable eSATA*.
 *Si el puerto eSATA de su ordenador no acepta un puerto SATA, por favor use un puerto USB 3.0 ó instale una tarjeta eSATA que acepte un multiplicador de puerto SATA. Si su ordenador acepta un multiplicador de puerto SATA, actualice el controlador del chipset.

ITALIANO

Collegare il cavo di alimentazione e TS431U al sistema con il cavo USB 3.0 o il cavo eSATA*.
 *Se la porta eSATA del computer non supporta il moltiplicatore di porte SATA, usare la porta USB 3.0, oppure installare una scheda eSATA che supporti il moltiplicatore di porte SATA.
 Se il computer supporta il moltiplicatore di porte SATA, aggiornare il driver del chipset.

РУССКИЙ

Подключите кабель питания и устройство TS431U к вашей системе с помощью кабеля USB 3.0 или кабеля eSATA*.
 *Если порт eSATA вашего компьютера не поддерживает использование разветвителя портов SATA, используйте порт USB 3.0 или установите карту eSATA с поддержкой разветвителя портов SATA.
 Если ваш компьютер поддерживает разветвитель портов SATA, обновите драйвер данного чипсета.

繁體中文

使用USB 3.0或eSATA*傳輸線連接TS431U至您的系統並接上電源線。
 *如果您電腦的eSATA連接埠，不支援SATA Port multiplier (SATA埠倍增器)功能，請改用USB 3.0連接埠或重新安裝一片支援SATA Port multiplier (SATA埠倍增器)功能的eSATA介面卡。
 如果您電腦硬體確認有支援SATA Port multiplier (SATA埠倍增器)功能，卻無法使用。請試試看將您介面卡或主機板晶片組的驅動程式更新至最新版本。

簡體中文

使用USB 3.0或eSATA*傳輸線連接TS431U至您的系統并接上电源线。
 *如果您计算机的eSATA连接端口，不支持SATA Port multiplier (SATA端口倍增器)功能，请改用USB 3.0连接埠或重新安装一片支持SATA Port multiplier (SATA端口倍增器)功能的eSATA适配卡。
 如果您计算机硬件确认有支持SATA Port multiplier (SATA端口倍增器)功能，却无法使用。请试试看将您适配卡或主机板芯片组的驱动程序更新至最新版本。

日本語

ご使用のシステムからはUSB 3.0ケーブルまたはeSATA*ケーブルのいずれか、および電源コードをTS431Uに接続します。
 *お持ちのコンピュータのeSATAポートがSATAポートマルチプライヤに未対応の場合、USB 3.0ポートを使用するか、またはSATAポートマルチプライヤ対応のeSATAカードをインストールしてください。
 コンピュータがすでにSATAポートマルチプライヤ対応の場合は、チップセットドライバをアップデートしてください。

한국어

USB 3.0 케이블 또는 eSATA* 케이블을 사용하여 전원 코드와 TS431U를 시스템에 연결합니다.
 *사용자 컴퓨터의 eSATA 포트가 SATA 포트 멀티플라이어를 지원하지 않을 경우 USB 3.0 포트를 사용하거나 SATA 포트 멀티플라이어를 지원하는 eSATA 카드를 설치하십시오.
 사용자 컴퓨터가 SATA 포트 멀티플라이어를 지원할 경우 칩셋 드라이버를 업데이트하십시오.

OPERATION

2

ENGLISH

Open the front door and insert HDD

DEUTSCH

Öffnen Sie die Fronttür, setzen Sie die Festplatte(n) ein

FRANÇAIS

Ouvrez la porte frontale et insérez les DD

ESPAÑOL

Abra la puerta frontal e inserte el disco duro

ITALIANO

Aprire lo sportello anteriore e inserire HDD

РУССКИЙ

Откройте переднюю дверцу и установите жесткий диск

繁體中文

打開前門並插入硬碟

簡體中文

打开前门并插入硬盘

日本語

フロントドアを開けて、HDDを装着します。

한국어

전면 도어를 열고 HDD를 삽입합니다.

3

ENGLISH

Turn on the power

DEUTSCH

Schalten Sie das Gerät ein

FRANÇAIS

Allumez l'appareil

ESPAÑOL

Conecte la potencia

ITALIANO

Accendere l'apparecchio

РУССКИЙ

Включите питание

繁體中文

開啟電源

簡體中文

开启电源

日本語

電源をオンにします

한국어

전원을 켭니다.

4

ENGLISH

Use Disk Manager (Windows) or Disk Utility (OS X) to create and format disk

DEUTSCH

Erstellen und formatieren Sie das Laufwerk mit Disk Manager (Windows) oder Disk Utility (OS X)

FRANÇAIS

Utilisez Gestionnaire de disque (Windows) ou Utilitaire de disque (OS X) pour créer et formater les disques

ESPAÑOL

Use el Explorador (Windows) ó Disk Utility (OS X) para crear y formatear el disco

ITALIANO

Utilizzare Gestione disco (Windows) o Utility Disco (OS X) per creare e formattare il disco

РУССКИЙ

Для создания и форматирования диска используйте программу Disk Manager (Windows) или Disk Utility (OS X)

繁體中文

使用磁碟管理 (Windows) 或磁碟工具程式 (OS X) 來創建及格式化磁碟

簡體中文

使用磁盘管理 (Windows) 或磁盘工具程序 (OS X) 来创建及格式化磁盘

日本語

ディスクマネージャ (Windows) または ディスクユーティリティ (OS X) を使用して、ディスクを複製、フォーマットします。

한국어

디스크 관리자 (Windows) 또는 디스크 유틸리티 (OS X)를 사용하여 디스크를 만들어 포맷합니다.

SLEEP MODE (V1 only)

ENGLISH

If there is no HDD access operation for 5mins or disconnect with PC (including PC is shut down), it will enter Sleep Mode automatically. HDD and the cooling fan will stop operation. It will wake up when accessing data or connect to PC.

DEUTSCH

Wenn 5 Minuten lang nicht auf die Festplatten zugegriffen oder der PC getrennt wird (einschließlich PC-Herunterfahren), tritt automatisch der Ruhezustand ein. Festplatte und Kühlungslüfter stoppen. Bei Datenzugriff oder PC-Verbindung wird der Betrieb fortgesetzt.

FRANÇAIS

S'il n'y a pas d'opération d'accès au disque dur pendant 5 mins ou que vous êtes déconnecté du PC (incluant l'arrêt du PC), il passera en mode veille automatiquement. Le disque dur et le ventilateur de refroidissement s'arrêteront de fonctionner. Il se réactivera quand vous accéderez aux données ou que vous vous connecterez à votre PC.

ESPAÑOL

Si no existe acceso al disco duro durante 5 minutos ó se desconecta del PC (también si el PC se apaga), entrará en Modo Suspensión automáticamente. El disco duro y el ventilador de refrigeración dejarán de funcionar. Volverá a conectarse cuando se acceda a los datos ó se conecte al PC.

ITALIANO

Se non vi è alcuna operazione di accesso all'HDD per 5 minuti o ci si è disconnessi dal PC (incluso lo spegnimento del PC), si accede automaticamente alla modalità di sospensione. L'HDD e la ventola di raffreddamento cessano di funzionare. Si riattivano quando si accede ai dati o ci si connette al PC.

РУССКИЙ

При отсутствии обращений к диску в течение 5 минут или в случае его отключения от ПК (после выключения ПК) он автоматически переходит в режим ожидания. В этом режиме работа жесткого диска и соответствующего вентилятора охлаждения приостанавливается.

Пробуждение из режима ожидания происходит в результате обращения к данным на диске или после подключения к ПК.

繁體中文

如果硬碟超過5分鐘沒有運轉或是與PC的連結中斷（包括PC關機），TS431U將自動進入睡眠模式，硬碟跟風扇將自動停止。當裝置重新接上電腦時，它會再度啟動。

簡体中文

如果硬盘超过5分钟没有运转或是与PC的连结中断（包括PC关机），TS431U将自动进入睡眠模式，硬盘跟风扇将自动停止。当装置重新接上计算机时，它会再度启动。

日本語

電源HDDアクセス動作が5分間ないか、PCから切り離される（PCシャットダウンを含む）ならば、自動的にスリープ・モードに入ります。HDDと冷却ファンは、動作を止めます。データへのアクセスまたはPCへの接続により、それはウェイクアップします。オンにします

한국어

5분 동안 HDD 액세스 활동이 없거나 PC에서 분리되면(PC 끄기 포함), 대기 모드가 자동으로 시작됩니다. HDD 및 냉각 팬이 작동을 정지합니다. 데이터에 액세스하거나 PC에 연결되면 다시 작동합니다.

CAUTION

ENGLISH

Do not plug or unplug power cord with wet hand.

Do not disassemble TS431U by yourself.

Do not use in high-temperature environment.

DEUTSCH

Berühren Sie das Netzkabel nebst Netzstecker

niemals mit feuchten oder gar nassen Händen.

Versuchen Sie nicht, das TS431U selbst zu zerlegen.

Nicht bei hohen Umgebungstemperaturen nutzen.

FRANÇAIS

Ne branchez ou débranchez pas le cordon

d'alimentation avec des mains mouillées.

Ne démontez pas le TS431U.

Évitez d'utiliser dans des endroits à haute

température.

ESPAÑOL

No conecte ó desconecte el cable de potencia con

las manos húmedas

No desmonte el TS431U usted mismo

No lo use en un lugar con temperatura elevada

ITALIANO

Non collegare o scollegare il cavo di alimentazione con

le mani bagnate.

Non smontare TS431U da soli.

Non utilizzare in un ambiente a temperatura elevata.

РУССКИЙ

Не подключайте и не отключайте кабель питания влажными руками.

Не разбирайте устройство TS431U самостоятельно.

Не используйте в условиях повышенной температуры.

繁體中文

請勿用沾濕的手插拔電源

請勿自行拆解TS431U

請勿在高溫環境下使用

簡体中文

请勿用沾湿的手插拔电源

请勿自行拆解TS431U

请勿在高温环境下使用

日本語

濡れた手で電源コードを抜き差ししないでください。

ご自身でTS431Uを分解しないでください。

高温環境で使わないでください。

한국어

젖은 손으로 전원 코드를 꽂거나 빼지 마십시오.

TS431U를 직접 분해하지 마십시오.

고온 환경에서 사용하지 마십시오.

Warranty Information

This product has a limited 2 year warranty in North America, Europe, and Australia.

For information on warranty periods in other regions, please contact your reseller or SilverStone authorized distributor.

Warranty terms & conditions

1. Product component defects or damages resulted from defective production is covered under warranty.
Defects or damages with the following conditions will be fixed or replaced under SilverStone Technology's jurisdiction.
 - a) Usage in accordance with instructions provided in this manual, with no misuse, overuse, or other inappropriate actions.
 - b) Damage not caused by natural disaster (thunder, fire, earthquake, flood, salt, wind, insect, animals, etc...)
 - c) Product is not disassembled, modified, or fixed. Components not disassembled or replaced.
 - d) Warranty mark/stickers are not removed or broken.Loss or damages resulted from conditions other than ones listed above are not covered under warranty.
2. Under warranty, SilverStone Technology's maximum liability is limited to the current market value for the product (depreciated value, excluding shipping, handling, and other fees). SilverStone Technology is not responsible for other damages or loss associated with the use of product.
3. Under warranty, SilverStone Technology is obligated to repair or replace its defective products. Under no circumstances will SilverStone Technology be liable for damages in connection with the sale, purchase, or use including but not limited to loss of data, loss of business, loss of profits, loss of use of the product or incidental or consequential damage whether or not foreseeable and whether or not based on breach of warranty, contract or negligence, even if SilverStone Technology has been advised of the possibility of such damages.
4. Warranty covers only the original purchaser through authorized SilverStone distributors and resellers and is not transferable to a second hand purchaser.
5. You must provide sales receipt or invoice with clear indication of purchase date to determine warranty eligibility.
6. If a problem develops during the warranty period, please contact your retailer/reseller/SilverStone authorized distributors or SilverStone <http://www.silverstonetek.com>.
Please note that: (i) You must provide proof of original purchase of the product by a dated itemized receipt; (ii) You shall bear the cost of shipping (or otherwise transporting) the product to SilverStone authorized distributors. SilverStone authorized distributors will bear the cost of shipping (or otherwise transporting) the product back to you after completing the warranty service; (iii) Before you send the product, you must be issued a Return Merchandise Authorization ("RMA") number from SilverStone. Updated warranty information will be posted on SilverStone's official website. Please visit <http://www.silverstonetek.com> for the latest updates.

Additional info & contacts

For North America (usasupport@silverstonetek.com)

SilverStone Technology in North America may repair or replace defective product with refurbished product that is not new but has been functionally tested. Replacement product will be warranted for remainder of the warranty period or thirty days, whichever is longer. All products should be sent back to the place of purchase if it is within 30 days of purchase, after 30 days, customers need to initiate RMA procedure with SilverStone Technology in USA by first downloading the "USA RMA form for end-users" form from the below link and follow its instructions.

<http://silverstonetek.com/contactus.php>

For Australia only (support@silverstonetek.com)

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Please refer to above "Warranty terms & conditions" for further warranty details.

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