renkforce

USB3.0 to IDE/SATA converter

Item no. 1277996

Intended use

The product can be used to operate a hard drive/SSD or an optical drive (either IDE or SATA) via a USB interface.

The external wall plug transformer provided is used to supply the power for the converter and the connected hard drive/SSD or optical drive.

Always observe the safety instructions included in these operating instructions. Please read the operating instructions carefully and keep them.

Any use other than that described above could lead to damage to this product and involves the risk of short circuits, fire, electric shock, etc. No part of the product may be modified or converted!

This product complies with the applicable national and European requirements. All names of companies and products are the trademarks of the respective owners. All rights reserved.

Package contents

- Converter
- Wall plug transformer
- USB3.0 cable
- Power cable for IDE drives
- Operating instructions

Explanation of symbols, inscriptions

The lightning symbol inside a triangle is a warning to inform you of potential risks for your health and life, such as electrical shock.

This symbol indicates specific risks associated with handling, function or use.

The "arrow" symbol indicates special tips and operating information.

Safety instructions

Damages due to failure to follow these operating instructions will void the warranty! We do not assume any liability for any resulting damage!

We shall not accept liability for damage to property or personal injury caused by incorrect handling or non-compliance with the safety instructions! The warranty will be void in such cases!

a) General

- The unauthorised conversion and/or modification of the product is not permitted for safety and approval reasons (CE). Do not disassemble the product.
- Any maintenance or repair work may only be performed by an expert.
- Do not leave packaging material carelessly lying around, since it could become a dangerous plaything for children.

b) Wall plug transformer

- The design of the wall plug transformer complies with Protection Class II. Use only a standard mains socket as the power source for the wall plug transformer.
- The mains socket into which the wall plug transformer is plugged must be easily accessible.
- Do not pull the wall plug transformer from the mains socket by pulling on the cable. Hold it on the sides of the casing and pull it out of the mains socket.
- Never touch a wall plug transformer that shows signs of damage, as this could cause a fatal electric shock!

  First, switch off the mains voltage to the socket to which the wall plug transformer is connected (switch off at the corresponding circuit breaker or remove the safety fuse or switch off at the corresponding RCD protective switch, so that all poles of the mains socket are disconnected).

  You can then unplug the wall plug transformer from the mains socket. Dispose of the faulty wall plug transformer in an environmentally friendly way, do not use it any more. Replace it with a wall plug transformer of the same design.

c) Operation

- This product is not a toy. Devices operated using mains voltages should not be used by children. Particular care must therefore be exercised if children are around.

  Use the product where it is out of the reach of children.

- The product is intended for use in dry, indoor locations only. No part of the product should become damp or wet; never handle it if your hands are wet!

  Wall plug transformers pose the potential risk of a fatal electric shock!

- Avoid the following adverse conditions at the installation location and during transport:
  - Dampness or excessive humidity
  - Extreme cold or heat, direct sunlight
  - Dust or flammable gases, fumes or solvents
  - Strong vibrations, impacts or blows
  - Strong magnetic fields such as those found in the vicinity of machinery or loudspeakers

- Choose a stable, even, flat and sufficiently large surface to place the converter and the connected hard drive/SSD or optical drive on.

- Never move a hard drive when in operation or whilst the magnet discs rotate after switching off. Otherwise, data may be lost! In addition, the hard drive could be damaged if the write/read head touches the magnetic disc.

- Never use the product immediately after it has been taken from a cold room to a warm one. The condensation that forms can destroy the product under certain circumstances. The wall plug transformer also poses a risk for a potentially fatal electric shock!

  Allow the product to reach room temperature before connecting it to the power supply and putting it into use. This may take several hours.

- When setting up the product, make sure that the cables are neither kinked nor pinched.

- Handle the product with care; it can be damaged by impacts, blows, or accidental falls, even from a low height.

Controls and connections

1. USB3.0 connector
2. Round low-voltage socket for the connection of the wall plug transformer supplied
3. Output socket to power the IDE drives
4. Connection for the IDE drives
5. "PWR" LED
6. "USB3.0" LED
7. "IDE" LED
8. "SATA" LED
9. Connection for 6.35 cm/2.5" IDE drives
10. Connection for the SATA drives
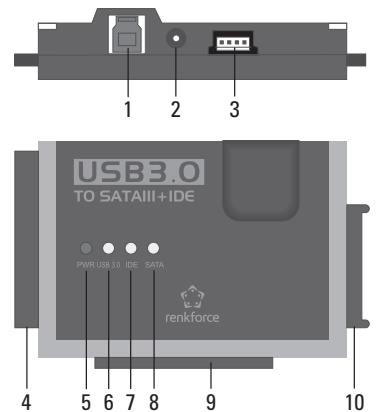
General information on connecting drives

- Turn off the power supply before connecting or disconnecting a drive (hard drive/SSD or optical drive). To do this, move the rocker switch on the cable of the wall plug transformer into the position "OFF".

- It is possible to operate an SATA drive and an IDE drive at the same time.

  The following two combinations are possible:

  a) SATA drive + 6.35 cm/2.5" IDE drive

  b) SATA drive + 8.89 cm/3.5" IDE drive

  → Depending on the power consumption of the connected combination, it might be necessary to use a more powerful wall plug transformer than the one supplied.

  This might become necessary when using older drives or when connecting an optical drive (e.g. IDE drive and SATA Blu-ray burner).

  In this case, a wall plug transformer with a stabilised voltage output of +12 V/DC and a current output of at least 3.5 A is required. The round plug (outside diameter 5.5 mm, inside diameter 2.1 mm) must have the positive/+ pole at the inside contact and negative/- at the outside contact.

Connection of a 6.35 cm/2.5" IDE drive

- The drive must be set as "master". Otherwise the drive will not be properly recognised. Please consult the operating instructions for the drive you are using, the inscriptions on the drive or the information on the website of the respective manufacturer to ensure the correct setting is used.
- Move the rocker switch on the cable of the wall plug transformer supplied into the position "OFF".
- Connect the drive to the respective IDE connection (9) observing the correct alignment of the 44-pin flat cable plug. The electronics of a hard drive/SSD are pointed downwards, the LEDs on the enclosure of the converter upwards.

Connect an 8.89 cm/3.5" IDE drive

- The drive must be set as "master". Otherwise the drive will not be properly recognised. Please consult the operating instructions for the drive you are using, the inscriptions on the drive or the information on the website of the respective manufacturer to ensure the correct setting is used.
- Move the rocker switch on the cable of the wall plug transformer supplied into the position "OFF".
- Connect the drive to the respective IDE connection (4) observing the correct alignment of the 40-pin flat cable plug. The electronics of the hard drive are pointed downwards, the LEDs on the enclosure of the adapter upwards.
- Connect the power connector of the drive with the output socket (3) using the power cable supplied. There is no power supply to the drive via the IDE data connection!

Connection of an SATA drive

- Move the rocker switch on the cable of the wall plug transformer supplied into the position "OFF".
- Connect the drive to the respective SATA connector (10).

Getting started / operation

- Connect the USB socket (1), via the USB3.0 cable enclosed, to a USB port on your computer (use a USB3.0 socket where possible).
- If you have not done so, connect the corresponding round plug of the wall plug transformer to the round low-voltage socket (2); plug the wall plug transformer into a standard mains socket.
- Switch your computer on, and wait until the operating system has finished booting.
- Move the rocker switch on the cable of the wall plug transformer into the position "ON". The "PWR" LED (5) lights up.

⚠ **Warning!**

Never move a hard drive when in operation or whilst the magnet discs rotate after switching off. Otherwise, data may be lost! In addition, the hard drive could be damaged if the write/read head touches the magnetic disc.

- When using the converter for the first time, the operating system (e.g. Windows) detects new hardware and automatically installs the required driver. This driver is included in the operating system. Therefore, no separate data carrier with driver is enclosed with the delivery.
- If the hard drive/SSD is already partitioned and data is present, it should appear in the Windows file manager after a few seconds.

  If the hard drive/SSD is new, it is necessary to partition and format it; see next section.

Partitioning / formatting the hard drive

Firstly, a new/empty hard drive/SSD has to be partitioned and subsequently formatted before any data can be saved on it.

From Windows XP and higher, partitioning and formatting are very easy to perform from the Control Panel. This is where you select the correct hard drive/SSD and create a new partition. It then has to be formatted.

⚠ Make absolutely sure that you format the new hard drive/SSD and not an existing hard drive/SSD or partition. It can result in the loss of data!

Formatting the hard drive/SSD (or deleting and recreating a partition and formatting it afterwards) deletes all existing data! You should perform a data backup first!

Handling

- Never move a hard drive when in operation. Do not hit it, do not tilt it, never move it from one location to another. Never stand a hard drive on its edge, place it flat on the table.

  After unplugging the connection cable, wait for at least 20 seconds before you move the hard drive, otherwise it can be damaged! After switching off the hard drive, the write/read head will be brought into a parking position, the drive motor will be switched off and the internal rotating magnetic discs inside the hard drive slow down.
- Carry a hard drive, an SSD or an optical drive in a suitable padded carrying case.
- When setting up the product, make sure that the cables are neither kinked nor pinched.

Cleaning

Switch off the product and pull the wall plug transformer out of the mains socket. After switching off the hard drive, wait for at least 20 seconds before you move it (see chapter "Handling").

Use a clean, dry soft cloth to clean the product. Do not use any aggressive cleaning agents as these could leave stains on the casing! Dust can easily be removed using a clean, soft brush and a vacuum cleaner.

Tips & notes

- USB devices can be plugged in and disconnected whilst the PC is in operation (or switched on/off).

  But you should keep in mind that files might be damaged or Windows might crash if the connection cable is unplugged during data transfer (or if the power supply is disconnected).

  In Windows, an arrow symbol is usually displayed in the menu bar when a USB device, such as an external hard drive, is in operation. Click this arrow symbol to "separate" the device, i.e. to terminate data transmission, so you can disconnect the connection cable without risking losing data.
- USB3.0 devices are backwards compatible. That means that you can also connect the product to a common "slow" USB2.0/1.1 port. However, a higher speed is of course not possible.
- Do not move the hard drive when it is switched on. Wait for at least 20 seconds after switching off the hard drive before moving it (see chapter "Handling").
- To calculate "MBytes" or "GBytes" for the hard drive capacity, there are two possibilities.

  For "experienced computer pros", 1kByte is exactly 1024 Bytes (binary $=2^{10}$). 1MByte is $1024*1024=1048576$ Bytes (binary $=2^{20}$), etc. For "normal" users, 1kByte (1 "kilobyte") is only 1000 Bytes, just as 1 kilometre is exactly 1000 metres. So 1 MByte is "only" 1 million bytes, i.e. 1000000 bytes. Hard drive manufacturers calculate with 1000 bytes = 1kByte.

  Thus, there is a difference between the manufacturer's specification of the hard drive capacity and the displayed hard drive capacity due to the use of different calculation methods.
- Please note that the problem-free use of a current large hard drive is only possible with a current operation system (e.g. Windows 7 or higher).
- In your own interest, perform backups regularly. Crucial data should be stored as copies on multiple data carriers and also kept in different locations.
- The access LED "IDE" (7) or "SATA" (8) flashes when accessing an IDE or SATA drive.
- The LED "USB3.0" (6) is illuminated when a USB3.0 data connection has been detected.

Disposal

Electrical and electronic equipment do not belong in the regular household waste.

Please dispose of the product, when it is no longer of use, according to the current statutory requirements.

Technical data

a) Converter

Operating voltage	12 V/DC
USB standard	USB3.0 (backwards compatible with USB2.0/1.1)
Connections	SATA, 40-pin. IDE, 44-pin IDE
Hard drive capacity	max. 3 TB
Ambient conditions	Temperature -10 °C to +50 °C, air humidity max. 95%, not condensing
Dimensions	98 x 66 x 21.5 mm (L x W x H)
Weight	52 g

b) Wall plug transformer

Operating voltage	100 - 240 V/AC, 50/60 Hz
Output	12 V/DC, 2 A

CE