

Safety information

- For use in dry, oil free indoor environments.
- Not suitable for use in hazardous or explosive environments or next to highly flammable materials.
- No user serviceable parts are contained within the module - do not dismantle.

Radio Frequency Energy

All interface cables used with this equipment must be shielded in order to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

European EMC directive 2014/30/EU

CE Warning: This equipment is compliant with Class A of EN55032. In a residential environment this equipment may cause radio interference.

FCC Compliance Statement (United States)

This equipment generates, uses and can radiate radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a class A computing device in accordance with the specifications in Subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area may cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Canadian Department of Communications RFI statement

This equipment does not exceed the class A limits for radio noise emissions from digital apparatus set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le règlement sur le brouillage radioélectriques publié par le ministère des Communications du Canada.



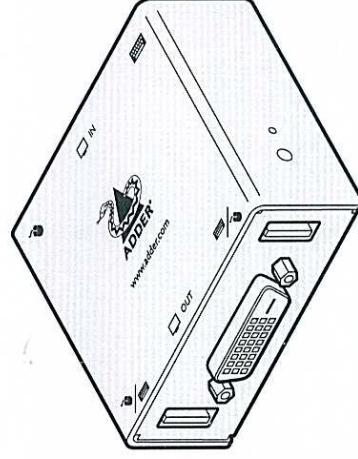
Web: www.adder.com
 Contact: www.adder.com/contact-details
 Support: www.adder.com/support

Welcome

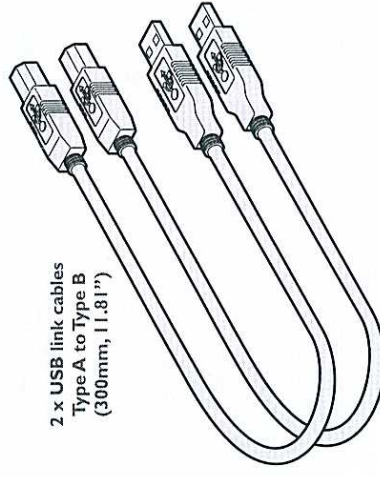
The Adder DVA-UB (Digital Video Adapter-USB Bridge) module is a device to solve linking issues between legacy servers, such as Sun Solaris, and complex USB/video devices. The approach is two-fold:

- Firstly, the DVA-UB converts analogue (VGA) video into digital video conforming to the DVI 1.0 standard.
 - Secondly, the DVA-UB incorporates a USB bridge to allow multiple compound HID (Human Interface) devices to be presented to the legacy server as single, simplified keyboard and mouse. Installation is quick and easy. No special drivers are required and operation is totally transparent.
- The Adder DVA-UB can support the majority of video modes defined by VESA DMT with vertical refresh rates of between 56Hz and 75Hz up to 1920 x 1200 @ 60Hz (reduced blanking). Refresh rates of 85Hz and 120Hz are not supported.

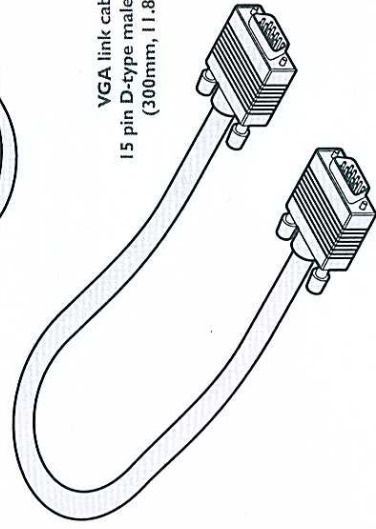
What's in the box



Adder DVA-UB module



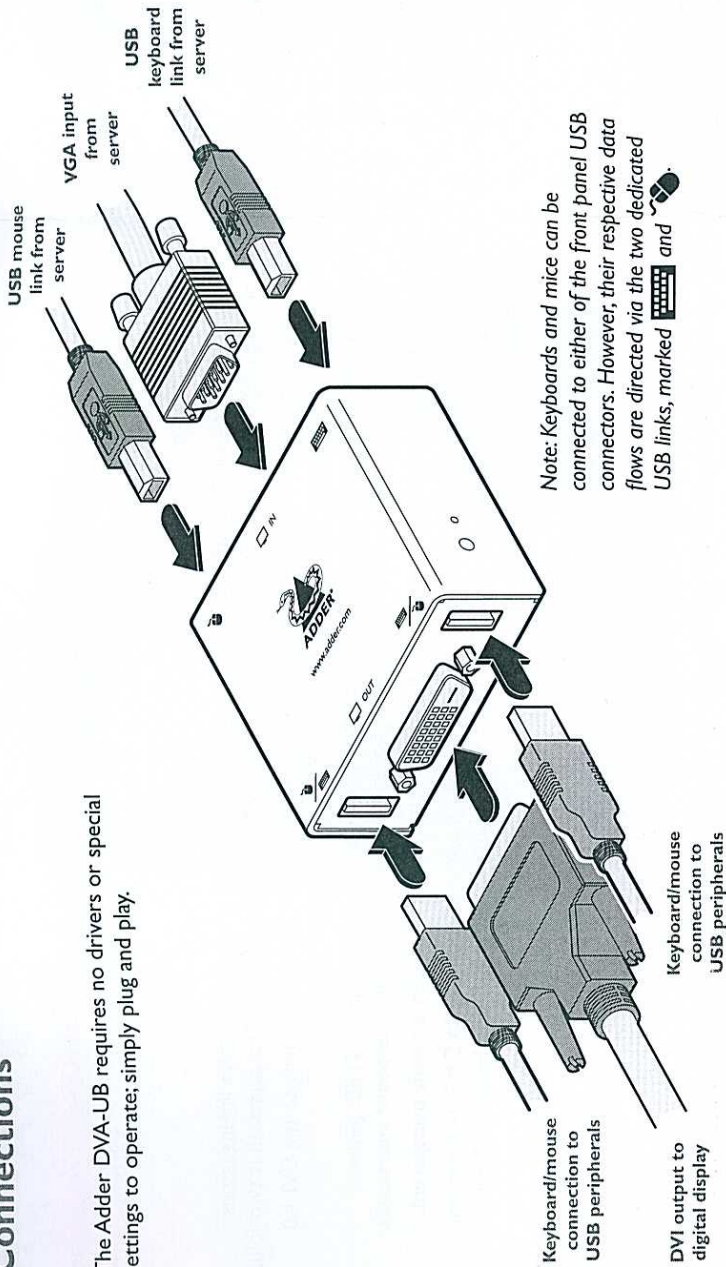
2 x USB link cables
 Type A to Type B
 (300mm, 11.81")





VGA link cable
 15 pin D-type male to male
 (300mm, 11.81")

Connections

The Adder DVA-UB requires no drivers or special settings to operate; simply plug and play.



Note: Keyboards and mice can be connected to either of the front panel USB connectors. However, their respective data flows are directed via the two dedicated USB links, marked  and .

Warranty

Adder Technology Ltd warrants that this product shall be free from defects in workmanship and materials for a period of two years from the date of original purchase. If the product should fail to operate correctly in normal use during the warranty period, Adder will replace or repair it free of charge. No liability can be accepted for damage due to misuse or circumstances outside Adder's control. Also Adder will not be responsible for any loss, damage or injury arising directly or indirectly from the use of this product. Adder's total liability under the terms of this warranty shall in all circumstances be limited to the replacement value of this product. If any difficulty is experienced in the installation or use of this product that you are unable to resolve, please contact your supplier.

Upgrading the firmware

The current firmware version of the DVA-UB module can be determined using the Adder VCP app (a Windows app available for download from www.adder.com).

To upgrade the firmware

- 1 Download the latest DVA-UB firmware, called UPGRADE.bin from the Adder website and copy it into the ROOT directory of a USB memory stick.
- 2 Plug the memory stick into one of the two USB sockets on the DVA-UB.
Important: If only one of the USB cables is used between the DVA-UB and the computer, be sure to insert your memory stick into the USB socket that aligns with the cable. If both USB connections to the PC are used, then either USB port can be used for the upgrade.

- 3 Use a thin implement, such as a straightened paperclip to press and hold the concealed button in the side of the DVA-UB module for just over 5 seconds, until the adjacent indicator flashes green - then release. See **Invoking special modes** below for more details.

The DVA-UB module will now locate the UPGRADE.bin file on the memory stick and use it to perform the firmware upgrade.

- 4 Once the file transfer has completed, the DVA-UB needs to be rebooted by either pressing the reset button again to bring it out of upgrade mode or alternatively the USB leads can be disconnected and reconnected.

Error indications

If a problem occurs during the upgrade process, the recessed indicator will flash in a different color to help identify the cause:

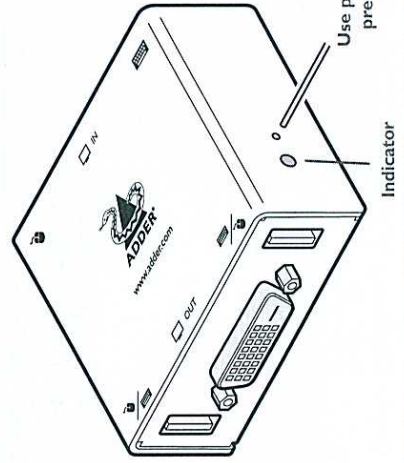
- **Flashing ORANGE:** Upgrade file not found. Remove the memory stick and check that the UPGRADE.bin file is present and in the ROOT directory of the memory stick.
- **Flashing RED:** Upgrade error. An error has occurred during the upgrade process. You need to manually reset the unit and try the upgrade process again. If the error persists, contact Adder Technical support for assistance.

Invoking special modes

On the side of the DVA-UB module, there is a small hole and a recessed indicator; these are used to invoke special upgrade and reset modes, and to report status, respectively. When necessary, use a thin implement, such as a straightened paperclip to press and hold the button concealed behind the smaller hole. Depending on when you release the button, the module will either perform a normal reset, enter upgrade mode or completely reset itself to factory defaults:

Time (in seconds): 0	• • • • •	5	• • • • •	10	• • • • •	15	• • • • •
Green indicator	On	Flash	Rapid flash	Reset to factory defaults	Normal reset	Enter upgrade mode	On
Release button	Normal reset	Enter upgrade mode	Reset to factory defaults	Normal reset	On	Enter upgrade mode	Normal reset

See **Upgrading the firmware** for full details.



Use paperclip to press and hold the button

Indicator