PSS Conv USB/RS 232 Adapter
UC232A / UC232A1

PILZ

THE SPIRIT OF SAFETY

▶ Accessories

Introduction

Pilz receives the adapter from the company ATEN. This document includes the following original documents from ATEN:

▸ UC232A / UC232A1 Quick Start Guide

▸ USB-to-Serial Adapter User Manual

Please note:

At Pilz, the adapter is called PSS Conv USB/RS 232. In the ATEN documents, the adapter is called UC232A / UC232A1

ATEN

UC232A / UC232A1
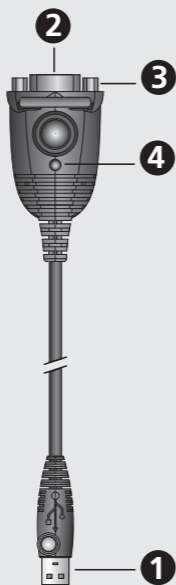### USB to RS-232 Adapter
Quick Start Guide

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This product is RoHS compliant.

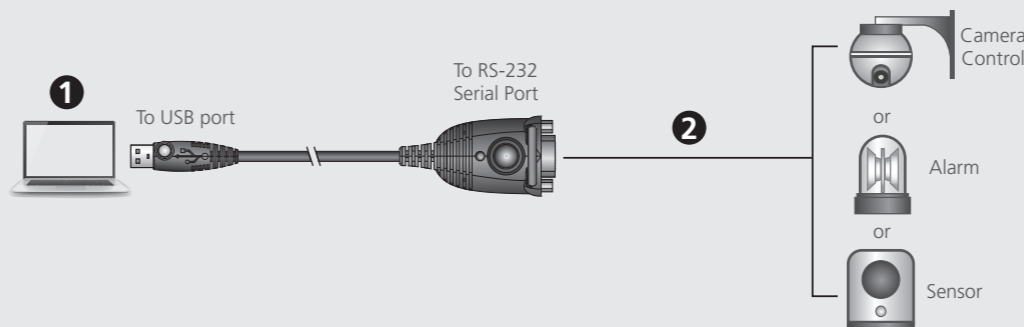Part No. PAPE-1223-L50G   Printing Date: 03/2018

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A Hardware Review

Package Contents
1 UC232A / UC232A1 USB to RS-232 Adapter
1 User Instructions

B Hardware Installation

To USB port — To RS-232 Serial Port — Camera Control / Alarm / Sensor

Scan for more information

UC232A / UC232A1 USB to RS-232 Adapter   www.aten.com

A Hardware Review
Front View
1 USB Connector
2 Serial Connector
3 Connector Nut
4 Power LED

B Hardware Installation
To install the UC232A / UC232A1, do the following:

1 Connect the USB plug to the computer and allow the drivers to install.*
2 Plug the RS-232 connector to a serial device.
3 Power on the serial devices.

*If you are using an older computer that doesn't contain the drivers for this device, please go to our website to download the UC232A / UC232A1 drivers and install them before setting up the hardware.

Adaptateur USB vers RS-232 UC232A / UC232A1   www.aten.com

A Aperçu du matériel
Vue de devant
1 Connecteur USB
2 Connecteur série
3 Écrou du connecteur
4 LED d'alimentation

B Installation du matériel
Pour installer l'UC232A / UC232A1, procédez comme suit :

1 Connectez la prise USB à l'ordinateur et laissez les pilotes s'installer.*
2 Branchez le connecteur RS-232 à un appareil série.
3 Mettez sous tension les appareils série.

*Si vous utilisez un ordinateur plus ancien qui ne contient pas les pilotes pour cet appareil, veuillez vous rendre sur notre site Web pour télécharger les pilotes UC232A / UC232A1 et les installer avant de configurer le matériel.

USB-zu-RS-232-Netzteil UC232A / UC232A1   www.aten.com

A Hardwareübersicht
Ansicht von vorne
1 USB-Anschluss
2 Serieller Anschluss
3 Anschlussmutter
4 Betriebsanzeige-LED

B Hardwareinstallation
Gehen Sie zur Installation des UC232A / UC232A1 wie folgt vor:

1 Verbinden Sie den USB-Stecker mit dem Computer und erlauben Sie die Installation der Treiber.*
2 Verbinden Sie den RS-232-Anschluss mit einem seriellen Gerät.
3 Schalten Sie die seriellen Geräte ein.
*Falls Sie einen älteren Computer benutzen, der keine Treiber für dieses Gerät enthält, rufen Sie bitte unsere Webseite auf, laden Sie die UC232A / UC232A1-Treiber herunter und installieren Sie diese, bevor Sie die Hardware einrichten.

Adaptador USB a RS-232 UC232A / UC232A1   www.aten.com

A Resumen de hardware
Vista frontal
1 Conector USB
2 Conector serie
3 Tuerca de conector
4 LED de alimentación

B Instalación del hardware
Para instalar el adaptador UC232A / UC232A1, realice el siguiente procedimiento:

1 Conecte el enchufe USB al equipo y deje que se instalen los controladores.*
2 Enchufe el conector RS-232 a un dispositivo serie.
3 Encienda los dispositivos serie.

*Si utiliza un equipo antiguo que no contenga los controladores para este dispositivo, vaya a nuestro sitio web para descargar los controladores del adaptador UC232A / UC232A1 e instálelos antes de configurar el hardware.

Adattatore USB-RS-232 UC232A / UC232A1   www.aten.com

A Descrizione hardware
Vista anteriore
1 Connettore USB
2 Connettore seriale
3 Dado connettore
4 LED Power (Alimentazione)

B Installazione dell'hardware
Per installare l'UC232A / UC232A1, agire come segue:
1 Collegare la spina USB al computer e consentire l'installazione dei driver.*

2 Collegare il connettore RS-232 ad un dispositivo seriale.
3 Accendere i dispositivi seriali.

*Se si utilizza un computer meno recente che non contiene i driver per questo dispositivo, visitare il nostro sito web per scaricare i driver dell'UC232A / UC232A1 e installarli prima di configurarer l'hardware.

UC232A / UC232A1 Адаптер USB - RS-232   www.aten.com

A Обзор аппаратного обеспечения
Вид спереди
1 Разъем USB
2 Последовательный разъем
3 Гайка разъема
4 Индикатор питания

B Установка аппаратного обеспечения
Для установки UC232A / UC232A1 выполните следующие действия.

1 Подключите вилку USB к компьютеру и подождите, пока завершится установка драйверов.*
2 Подключите устройство с последовательным интерфейсом к разъему RS-232.
3 Включите питание устройств с последовательным интерфейсом.

* Если используется компьютер старой модели, на котором отсутствуют драйверы для данного устройства, зайдите на веб-сайт компании, загрузите драйверы UC232A / UC232A1 и установите их перед установкой аппаратного обеспечения.

Адаптер UC232A / UC232A1 USB в RS-232   www.aten.com

A Огляд апаратного забезпечення
Вигляд спереду
1 Сполучувач USB
2 Послідовний сполучувач
3 Гайка сполучувача
4 Світлодіод живлення

B Інсталяція апаратного забезпечення
Щоб інсталювати UC232A / UC232A1, виконайте наступне:

1 Підключіть штекер USB до комп'ютера і дозвольте інсталяцію драйверів.*
2 Вставте сполучувач RS-232 до послідовного пристрою.
3 Увімкніть живлення послідовних пристроїв.

* Якщо ви користуєтеся старим комп'ютером, що не має драйверів для цього пристрою, завантажте з нашого веб-сайту драйвери UC232A / UC232A1 і встановіть їх перед налаштуванням апаратних засобів.

Adaptador USB para RS-232 UC232A / UC232A1   www.aten.com

A Vista do hardware
Vista frontal
1 Conector USB
2 Conector de Série
3 Porca do conector
4 LED de energia

B Instalação do hardware
Para instalar o adaptador UC232A / UC232A1, faça o seguinte:

1 Ligue a ficha USB ao computador e permita a instalação dos controladores.*
2 Ligue o conector RS-232 a um dispositivo de série.
3 Ligue os dispositivos de série.

*Se utilizar um computador mais antigo que não contém os controladores para este dispositivo, aceda ao nosso website para transferir os controladores do UC232A / UC232A1 e instale-os antes de configurar o hardware.

A Donanım

Ön taraf
1. USB Konektör
2. Seri konektör
3. Nut konektör
4. Güç LED

B Donanım Kurulumu

UC232A / UC232A1 Kurmak için aşağıdaki maddeleri takip edin:
1. USB yi bilgisayarınıza bağlayın ve sürücülerin kurulmasına izin verin*

2. RS-232 konektörü Seri cihazınıza takınız
3. Seri cihazınızı gücünü açın.

*Eski tip bilgisayar kullanıyorsanız ve bu cihaz için sürücü içermiyorsa, web sayfamızdan UC232A/UC232A1 sürücüsünü indirdikten sonra kurabilirsiniz.

A Hardver tulajdonságok

Előlap
1. USB csatlakozó
2. Soros csatlakozó
3. Csatlakozó Rögzítő
4. Power LED

B Telepítés

Az UC232A / UC232A1 használatához az alábbiakat kell tenni:
1. Csatlakoztassa az USB csatlakozót a számítógéphez, és engedélyezze a driverek telepítését*

2. Csatlakoztassa az RS-232 csatlakozót a soros eszközre
3. Kapcsolja be a soros eszközt

* Ha régebbi számítógépet használ, ami nem ismeri fel a megfelelő drivert, abban az esetben menjen fel a honlapunkra, és töltse le az UC232A / UC232A1 drivert és telepítse a csatlakoztatás előtt.

A Přehled hardwaru

Čelní pohled
1. konektor USB
2. Sériový konektor
3. Matice konektoru
4. Indikátor napájení

B Instalace hardwaru

Chcete-li nainstalovat UC232A / UC232A1, postupujte takto:
1. Připojte konektor USB k počítači a nechte ovladače nainstalovat. *

2. Připojte konektor RS-232 k sériovému zařízení.
3. Napájení sériových zařízení.

* Pokud používáte starší počítač, který neobsahuje ovladače tohoto zařízení, přejděte prosím na naši webovou stránku a stáhněte si ovladače UC232A / UC232A1 a nainstalujte je před nastavením hardwaru.

A Przegląd sprzętu

Przedni widok
1. Złącze USB
2. Złącze szeregowe
3. Nakrętka złącza
4. zasilanie LED

B Instalacja sprzętu

Aby zainstalować UC232A/UC23A1 wykonaj następujące czynności:
1. Podłącz wtyczkę USB do komputera i zezwól na instalację sterowników

2. Podłącz złącze RS-232 do urządzenia szeregowego.
3. Włącz urządzenia szeregowe

* Jeśli używasz starszego komputera, który nie zawiera sterowników dla tego urządzenia, odwiedź naszą witrynę internetową, aby pobrać sterowniki UC232A/UC232A1 i zainstalować je przed konfiguracją sprzętu

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A Descriere hardware

Vedere frontala
1. Conector USB
2. Conector serial
3. Şurub conector
4. LED alimentare

B Instalare hardware

Ca să instalaţi UC232A / UC232A1 efectuaţi următoarele :
1. Conectaţi conectorul USB la calculator şi lăsaţi driverele să se instaleze*.

2. Conectaţi conectorul RS-232 la dispozitivul serial.
3. Alimentaţi dispozitivul serial.

* Dacă utilizaţi calculator vechi care nu are drivere pentru acest dispozitiv, Vă rugăm faceţi download la driverul UC232A / UC232A1 de pe site şi instalaţi-l înainte de instalarea hardware.

A 製品各部名称

フロントパネル
1. USBコネクター
2. シリアルコネクター
3. コネクターナット
4. 電源LED

B ハードウェアのセットアップ

UC232A / UC232A1をセットアップするには、下記を行ってください。
1. 本製品のUSBコネクターをコンピューターに接続し、ドライバーをインストールしてください。*

2. RS-232コネクターをシリアルデバイスに接続してください。
3. シリアルデバイスの電源を入れてください。

* このデバイス用のドライバーがインストールされていない古いコンピューターを使用している場合は、ハードウェアのセットアップを行う前に、当社のWebサイトに進み、UC232A / UC232A1ドライバーをダウンロードし、インストールしてください。

A 하드웨어 리뷰

전면
1. USB 커넥터
2. 시리얼 커넥터
3. 커넥터 너트
4. 전원 LED

B 하드웨어 설치

UC232A / UC232A1를 설치하려면 다음을 수행하십시오.
1. USB 플러그를 컴퓨터에 연결하고 드라이버를 설치합니다. *

2. RS-232 커넥터를 시리얼 장치에 연결합니다.
3. 시리얼 장치의 전원을 켭니다.

*이 장치용 드라이버가 설치되지 않은 이전의 컴퓨터를 사용하는 경우 당사 웹사이트에서 UC232A / UC232A1 드라이버를 다운로드하여 이를 설치하면 하드웨어를 설치할 수 있습니다.

A 硬體檢視

前視圖
1. USB 接頭
2. 序列接頭
3. 接頭螺帽
4. 電源LED指示燈

B 硬體安裝

若要安裝 UC232A / UC232A1，請執行下列動作：
1. 連接 USB 插頭至電腦，並安裝驅動程式。*

2. 將 RS-232 接頭插入序列裝置。
3. 開啟序列裝置的電源。

*若您正在使用未含本裝置驅動程式的舊電腦，請前往我們的網站下載 UC232A / UC232A1 驅動程式並先安裝後，再設定硬體。

A 硬體檢視

前視圖
1. USB 接頭
2. 序列接頭
3. 接頭螺帽
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UC232A / UC232A1

USB-to-Serial Adapter
User Manual

Compliance Statements

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital service, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

KCC Statement

유선 제품용 / B 급 기기 (가정용 방송 통신 기기)
이 기기는 가정용 (B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며 , 모든 지역에서 사용할 수 있습니다 .

Industry Canada Statement
This Class B digital apparatus complies with Canadian ICES-003.

ICES-003 (B) / NMB-003 (B)

RoHS
This product is RoHS compliant.

Online Registration

International	http://eservice.aten.com

Telephone Support

For telephone support, call this number:

International	886-2-8692-6959
China	86-400-810-0-810
Japan	81-3-5615-5811
Korea	82-2-467-6789
North America	1-888-999-ATEN ext 4988 1-949-428-1111

Technical Support

- For international online technical support – including troubleshooting, documentation, and software updates: **http://eservice.aten.com**
- For North American technical support:

Email Support		support@aten-usa.com
Online Technical Support	Troubleshooting Documentation Software Updates	http://www.aten-usa.com/support
Telephone Support		1-888-999-ATEN ext 4998

Package Contents

Check to make sure that all the components are in working order. If you encounter any problem, please contact your dealer.

- 1 UC232A / UC232A1 USB-to-Serial Adapter
- 1 User Instructions*

Note:

- Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit or any connected devices.

- The product may be updated, with features and functions added, improved or removed since the release of this manual. For an up-to-date user manual, visit

  http://www.aten.com/global/en/

Overview

Universal Serial Bus (USB) port technology has emerged in response to the proliferation of external peripheral devices (scanners, digital cameras, removable drives, etc.) that are increasingly being connected to the latest generation of computers. It is faster than traditional bus ports and, since it does not require any IRQs, the problem of IRQ conflict is eliminated, which means more peripheral devices can be attached to the system.

The UC232A / UC232A1 USB-to-Serial Adapter provides an external plug-and-play RS-232 serial connection for computers, notebooks, laptops, and handheld computing devices that support the USB specification. It comes with a standard DB-9 male connector for the peripherals to plug into, and an attached USB cable (35 CM for UC232A and 100 CM for UC232A1) with a type A plug for connecting to the computer's USB port, or to a USB hub.

The UC232A / UC232A1 provides mobile phones, PDAs, digital cameras, modems and ISDN terminal adapters with high quality serial connections at a data transfer rate of up to 921.6 Kbps. It makes the USB interface transparent to the peripherals, allowing them to easily interface with the USB, eliminating the setup hassle found with traditional serial port connections. As a USB specification compliant device, the UC232A / UC232A1 also supports energy-saving suspend and resume operations.

Note: The UC232A / UC232A1 does not support devices, such as serial mice, that require an IRQ number or IO Address.

Features

 ◆ Full compliance with USB specification
 ◆ Supports RS-232 serial interface
 ◆ Supports automatic handshake mode
 ◆ Up to 921.6 Kbps data transfer rate
 ◆ Supports remote wake up and power management
 ◆ Provides a 96 byte buffer for each upstream and downstream data transfer
 ◆ Works with cellular phones, PDAs, digital cameras, modems and ISDN terminal adapters
 ◆ Easy way to install an additional RS-232 port
 ◆ No IRQ required

System Requirements

 ◆ USB Host Controller installed on the system

Operating Systems

Supported operating systems are shown in the table, below:

OS		Version
Windows		2000, Vista, 7, 8, 8.1, 10, or above
Mac		OS 10 or later
Linux Kernel		2.6.15 or later

If your Linux kernel is between v2.6.15 ~ v5.4 and your device has a new chipset version, please update the Linux driver from our product web page. This driver works with 2021 or later chipset version device only.

Use the link below to identify which chipset version your device is.

http://eservice.aten.com/eServiceCx/Common/FAQ/view.do?id=18695

Windows 2000 Installation

Installing the Driver(s)

To install the UC232A / UC232A1 drivers, do the following:

Note: The setup is for UC232A is the picture below. The UC232A1 is the same as the UC232A, except that it has a 100 cm cable attached instead of 35 cm.

1. Please download the latest software installation package from the UC232A / UC232A1 product page at www.aten.com/download (search for UC232A / UC232A1 and go to the download tab).

2. Execute the file and follow the on-screen instructions to configure detailed software settings.

3. Double click **UC-232ADriverInstaller.exe**.

   After a few moments, the following dialog box appears:
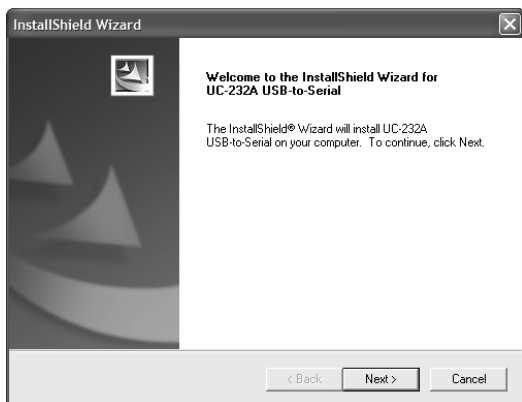
4. Click **Next** to install the drivers.

5. Windows displays the following warning:

6. You can safely ignore this warning. Click **Continue Anyway** to continue installing the new software. When the installation is complete, the following dialog box appears:
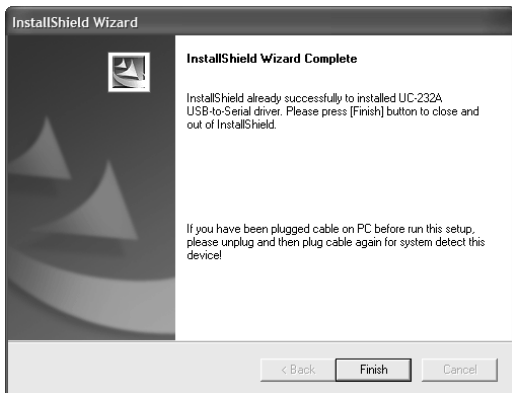

7. Click **Finish** to close the wizard. You have successfully installed the driver(s).

Connecting the UC232A / UC232A1

1. Connect the UC232A / UC232A1 USB-to-Serial Adapter to a USB port on your computer. The *New Hardware Wizard* appears:

2. Select *No, not this time*, and then click **Next** to continue. The following dialog box appears:
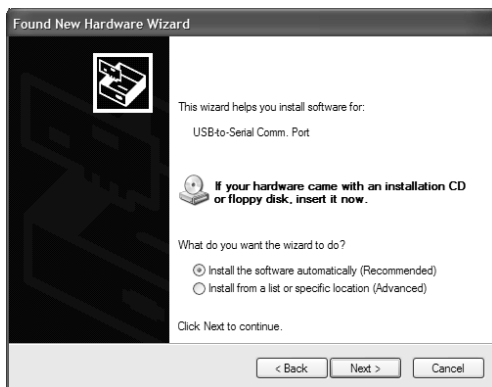
3. Leave the default choice *(Install the software automatically)*. Click **Next** to continue.

4. Windows displays the following warning:

5. You can safely ignore this warning. Click **Continue Anyway** to continue installing the new hardware. When the installation is complete, the following dialog box appears:
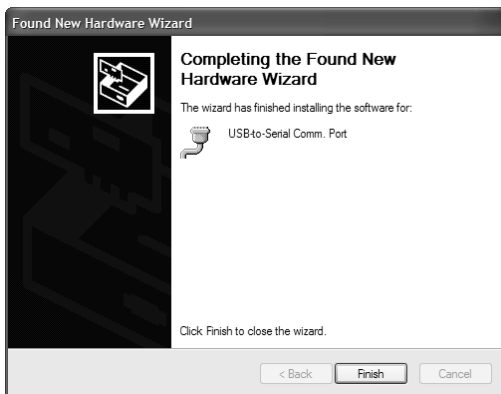
6. Click **Finish** to close the wizard. You have successfully installed the UC232A / UC232A1.

Uninstalling the Driver(s)

1. Insert the installation disk into the CD-ROM drive. The following dialog box appears:

2. Select *Uninstall the driver*, and then click **Next**. The following dialog box appears:
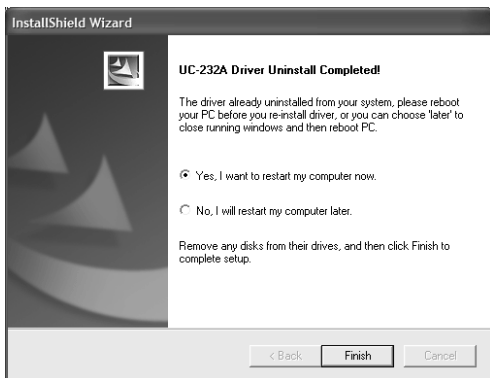
3. Click **Finish**. You have successfully uninstalled the driver(s).

Windows Vista/7/8/8.1/10 Installation

Installing the Driver

Note: The setup is for UC232A is the picture below. The UC232A1 is the same as the UC232A, except that it has a 100 cm cable attached instead of 35 cm.

1. Make sure that the Windows language for non-Unicode programs is set to English by checking *Regional and Language Options*, then *Administrative*.

2. Please download the latest software installation package from the UC232A / UC232A1 product page at www.aten.com/download (search for UC232A / UC232A1 and go to the download tab).

3. Execute the file and follow the on-screen instructions to configure detailed software settings.

4. Open the downloaded file and right click on the UC232A_Windows_Setup. Select **Run as administrator** as shown in the picture below.
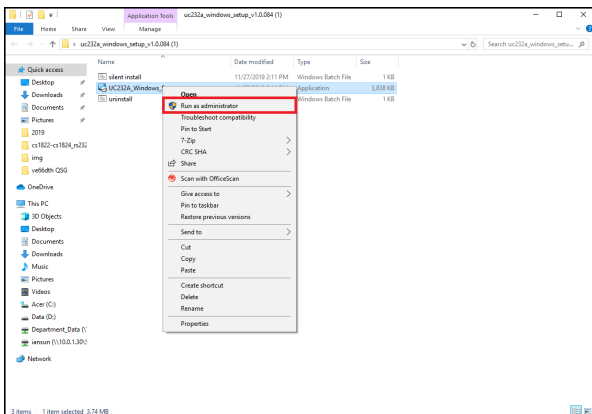
5. After a few moments, the following dialog box appears. Choose your desired Language and click **Next**.
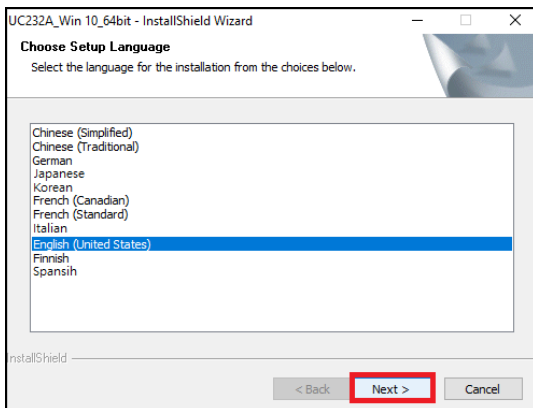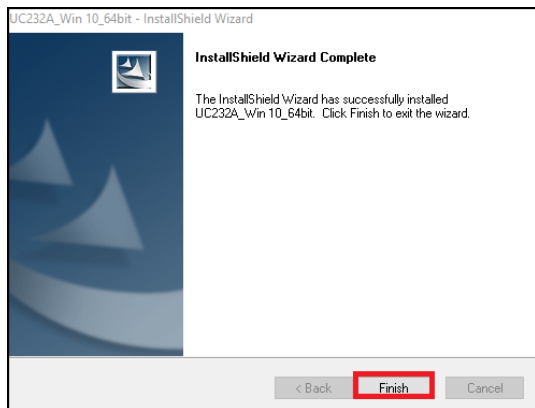

6. Click **Next**.
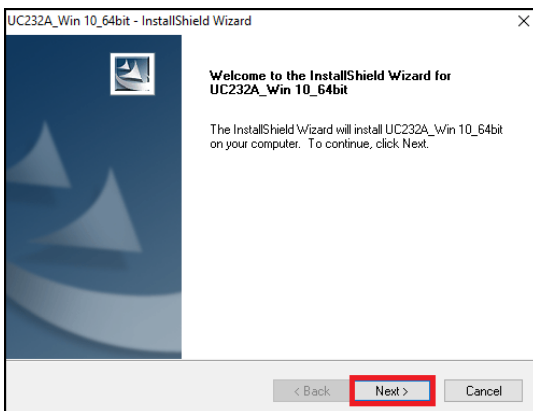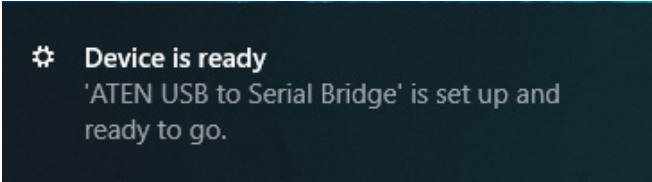
7. Click **Install** to install the drivers.
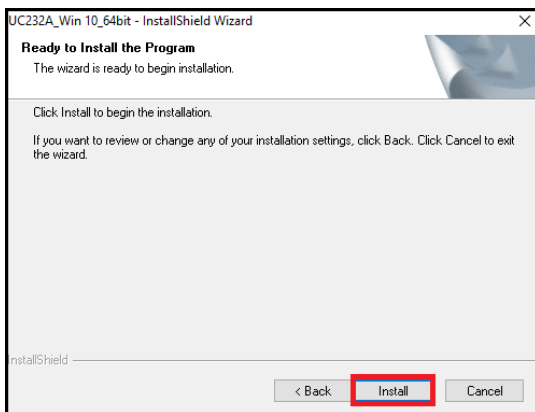
8. When the installation is complete, the following dialog box appears. Click **Finish** to close the wizard. You have successfully installed the driver(s).

Connecting the UC232A / UC232A1

1. Connect the UC232A / UC232A1 USB-to-Serial Adapter to a USB port in your computer. The following dialog box appears on the bottom right of your PC screen to confirm that the driver has been installed and that your UC232A / UC232A1 is ready to use:

⚙ **Device is ready**
'ATEN USB to Serial Bridge' is set up and ready to go.

Mac Installation

Installing the Software

Note: The setup is for UC232A is the picture below. The UC232A1 is the same as the UC232A, except that it has a 100 cm cable attached instead of 35 cm.

---

1. Please download the latest software installation package from the UC232A / UC232A1 product page at www.aten.com/download (search for UC232A / UC232A1 and go to the download tab).

2. Execute the file and follow the on-screen instructions to configure detailed software settings.

3. Open the downloaded folder and copy the Mac OS file to your hard disk.

4. Double-click on the file icon to extract the compressed file(s).

5. Copy the extracted file(s) to the *Hard Disk > System Folder > Extensions* folder.

Note: If you are using a non-English language version, copy the files to the corresponding folder for your system.

Connecting the UC232A / UC232A1

Connect the UC232A / UC232A1 to a USB port on your Mac.

Note: The UC232A / UC232A1 will not function properly unless the software was previously installed.

Linux Installation

Installing the Driver(s)

1. Please download the latest software installation package from the UC232A / UC232A1 product page at www.aten.com/download (search for UC232A / UC232A1 and go to the download tab).

2. Execute the file and follow the on-screen instructions to configure detailed software settings.

3. Open a command line.

4. Move to the subdirectory that corresponds to the version of your operating system. (For example, if your operating system is Red Hat 7.3, then move to the *Redhat73* subdirectory.)

5. Enter the following commands to copy the files in the subdirectory to a directory on your hard disk:

```
cp pl2303.c /directory_name
cp Makefile /directory_name/makefile
```

where *directory_name* is the name of the directory on your hard disk that you are copying the files to.

> **Note:** Be sure to change the capital "M" in "Makefile" to a lowercase "m" when you copy the file to the new directory.

6. Move to the directory where you copied the files.

7. Enter the following command:

```
make inst
```

8. Connect the UC232A / UC232A1 to a USB port on your computer.

   Note: The UC232A / UC232A1 will not function properly unless the drivers have been previously installed.

Uninstalling the Driver(s)

1. Open a command line.

2. Move to the directory where you installed the driver(s).

3. Enter the following command:
   - To uninstall the driver:

     ```
     make uninst
     ```
   - To uninstall all drivers (including the base driver):

     ```
     make uninst_all
     ```

   You have successfully uninstalled the driver(s).

Peripheral Installation

1. After you have finished the software installation procedures for your operating system and have connected the UC232A / UC232A1 to your computer, connect the peripheral device to the UC232A / UC232A1, and then turn the peripheral on.
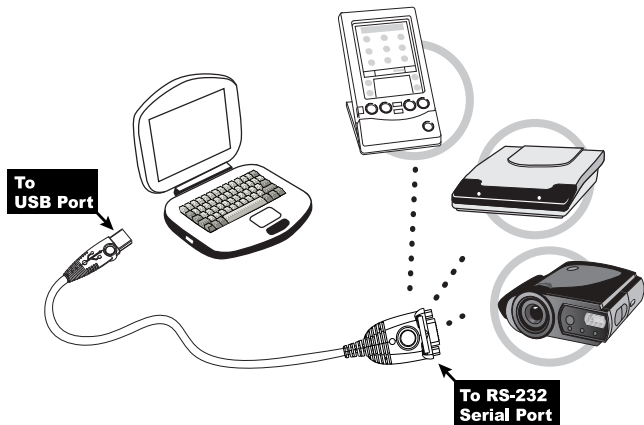
2. Follow the Installation Wizard's on-screen instructions to complete the installation.

Note: 1. This procedure only occurs the first time you connect the peripheral. If your peripheral was previously connected and configured for the RS-232 (COM) port, after you perform the Adapter Installation and click Finish, the driver will detect it and install it automatically. However, some peripheral devices, such as older PDAs, require that you re-install the software for the peripheral device before it will work properly.

2. Under Windows 2000, if you connect a modem, you must specify it as a *Standard Modem*.

Specifications

Function		UC232A	UC232A1
Connectors	USB	Type A Plug	Type A Plug
	Serial	DB-9 Male	DB-9 Male
LEDs		Power (Orange)	Power (Orange)
Data Transfer Rate		Up to 921.6 Kbps	Up to 921.6 Kbps
Cable Length		35 cm	100 cm
Power Consumption		450mW	450mW
Power Mode		Bus Powered	Bus Powered
USB Specification		2.0 Compliant	2.0 Compliant
Environment	Operating Temp.	0–40º C	0–40º C
	Storage Temp.	-20–60º C	-20–60º C
	Humidity	0–80% RH, Non-condensing	0–80% RH, Non-condensing
Physical Properties	Housing	Plastic	Plastic
	Weight	0.04 kg (0.09 lb)	0.06 kg (0.13 lb)
	Dimensions (L x W x H)	6.59 x 3.4 x 1.6 cm (2.59 x 1.34 x 0.63 in.)	6.59 x 3.4 x 1.6 cm (2.59 x 1.34 x 0.63 in.)

DB-9 Pin Assignments

Pin	Assignment
1	CD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Thank you for purchasing this ATEN product! It is recommended that you register the product right away at our website: http://eservice.aten.com. This will give you access to useful add-on features, as follows:

- View details of all your registered ATEN products in one place
- Read about application tips and supporting information specific to your product
- Get fast service and response from our highly skilled engineers
- Receive the latest news and promotions from ATEN, and participate in customer surveys

ATEN warrants this product against flaws in the materials and workmanship during the warranty period which commence on the date of original purchase. The duration, terms, and conditions of the warranty period may vary from country to country. Please visit ATEN's website for more information or contact the ATEN office responsible for providing support in your country/region. Contact details for all ATEN offices are listed in the following table.

Japan Subsidiary (Importer) **ATEN Japan Co., Ltd.** Website: http://www.atenjapan.jp Address: ATEN Bldg. 8-4, Minami-senjyu 3-chome, Arakawa-ku, Tokyo 116-0003 Japan	**Korea Subsidiary (Importer)** **ATEN Korea., Ltd.** Website: http://www.aten.co.kr Address: B-303, Gabeul Great Valley, 60-5, Gasan-dong, Geumcheon-gu, Seoul, Korea; 153-801
China Subsidiary (Importer) **ATEN China Co., Ltd.** Website: http://www.aten.com.cn Address: 18/F, Tower A, Horizon International Tower, No.6,Zhichun Road, Haidian District, Beijing, China 100088	**Taiwan Subsidiary (Importer)** **Atech Peripherals, Inc.** Website: http://www.aten.com.tw Address: 6F., No.133, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan

Limited Warranty

ATEN warrants its hardware in the country of purchase against flaws in materials and workmanship for a Warranty Period of two [2] years (warranty period may vary in certain regions/countries) commencing on the date of original purchase. This warranty period includes the LCD panel of ATEN LCD KVM switches. Select products are warranted for an additional year (see *A+ Warranty* for further details). Cables and accessories are not covered by the Standard Warranty.

What is covered by the Limited Hardware Warranty
ATEN will provide a repair service, without charge, during the Warranty Period. If a product is detective, ATEN will, at its discretion, have the option to (1) repair said product with new or repaired components, or (2) replace the entire product with an identical product or with a similar product which fulfills the same function as the defective product. Replaced products assume the warranty of the original product for the remaining period or a period of 90 days, whichever is longer. When the products or components are replaced, the replacing articles shall become customer property and the replaced articles shall become the property of ATEN.

To learn more about our warranty policies, please visit our website:

http://www.aten.com/global/en/legal/policies/warranty-policy/

▶ Support

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Pilz develops environmentally-friendly products using ecological materials and energy-saving technologies. Offices and production facilities are ecologically designed, environmentally-aware and energy-saving. So Pilz offers sustainability, plus the security of using energy-efficient products and environmentally-friendly solutions.

We are represented internationally. Please refer to our homepage www.pilz.com for further details or contact our headquarters.

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