DRIVER INSTALLATION:

Windows XP/ Vista/ 2000/ Server 200x/ 7/ 8 (32&64-Bit) :

Windows will recognize a new **"FT232R USB UART"** and open the hardware assistant. Please choose manual installation and put the driver CD into your CD-Rom drive. Enter the Path
"D:\USB_to_IO\FTDI\(32_64bit)Win7_8_XP_Vista_2008_2008R2_2003_2000".
into the box for the Path/Source and click at **>next/continue<**. Now Windows search for the drivers in the specified directory. Follow the hardware assistant and finish the installation. If Windows recognizes other new devices repeat the above described steps. **Attention!** Restart Windows in any case after installing the drivers.

CHECK THE INSTALLED DRIVER:

Click at **Start<>Run<** then enter **"compmgmt.msc"** and click at **>OK<**. In the windows that open select **>Device Manager<.** Under **"Ports (COM and LPT)"** you should find one more new **"USB Serial Port„** as sample (COM5). If you see this or similar entries the module is installed correctly.

INSTALL THE PERIPHERAL DEVICE:

The speed from the serial ports can be set to the maximum baud rate of 115.2Kbaud. With double click select for example **>Device manager< > USB Serial Port (COM5)<.** Now you can select the different settings of baud rate, stop/start-bits etc. This setting you can use also for the other COM ports.

Windows 98/ 98SE/ ME:

Windows will recognize a new **"FT232R USB UART"** and open the hardware assistant. Please choose manual installation and put the driver CD into your CD-Rom drive (as sample D:) . Now enter the Path **"D:\USB_to_IO\FTDI\Win98_ME"** into the box for the Path/Source and click at **>next/continue<**. Now Windows search for the drivers in the specified directory. Follow the hardware assistant and finish the installation. If Windows recognizes other new devices repeat the above described steps. **Attention!** Restart Windows in any case after installing the drivers.

CHECK THE INSTALLED DRIVER:

Click at **Start<>Run<** then enter **"compmgmt.msc"** and click at **>OK<**. In the windows that open select **>Device Manager<.** Under **"Ports (COM and LPT)"** you should find one more new **"USB Serial Port„** as sample (COM3). If you see this or similar entries the module is installed correctly.

CHANGE PORT NUMBER:

If you like to change the port number for example COM 3 to COM 5, open the **>Device Manager<** click at **>COM3<, >Settings<** and then **>Advance<**. There you can change between COM 3 to 256.

LINUX:

There are drivers available for Linux. The drivers are located in the folder **"D:\USB_to_IO\FTDI\Linux x86_64"** on the driver CD. They are supported by the most versions of Linux. Because each individual distribution and kernel version of Linux is different, sadly we cant provide a installation instruction. Please refer to the installation manual for standard IO ports from your Linux version !

MAC:

There are drivers available for MAC. The drivers are located in the folder **"D:\USB_to_IO\FTDI\MAC OSX or Mac_OS_9_8"** on the driver CD. They are supported by the most versions of MAC OS. Because each individual version of MAC OS is different, sadly we cant provide a installation instruction. Please refer to the installation manual for standard IO ports from your MAC OS version !

CLEANING:

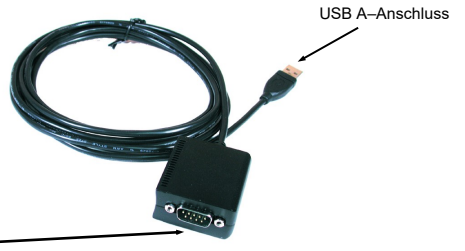
For cleaning please use only a dry fluff less cloth and remove the dirt with gently pressure. In the area of the connectors please make sure that no fibres from the cloth remain in the connectors. **Attention! Never use a moist or wet cloth for cleaning!**

Bedienungsanleitung

EX-1302IS

Vers. 1.2 / 04.06.13

AUFBAU:



S1 9 Pin Stecker Seriell RS-232

BESCHREIBUNG & TECHNISCHE DATEN:

Die EX-1302IS ist ein Modul zur Umsetzung von USB auf eine RS-232 Schnittstelle mit FIFO 16C550 Ports für den Anschluss von High Speed Seriellen RS-232 Peripherie Geräten (z.B. Modem, Plotter usw.) Das USB Modul ist Hot Plug & Play fähig. Für die Einstellungen der I/O Adressen und Interrupts sind keine Jumper und Einstellungen notwendig. Sie werden vom System BIOS und beim installieren des Betriebssystems automatisch vorgenommen. Die EX-1302IS ist zusätzlich mit 15KV Surge Protection und 2.5KV Optical Isolation ausgerüstet.

Kompatibilität:	USB 1.1 & 2.0 Anschluss
Betriebssysteme:	WIN 9.x/ ME/ 2000/ XP/ Server 200x/ Vista/ 7/ 8, Linux, MAC
Anschlüsse:	1 x 9 Pin RS-232 Sub-D Stecker, 1 x USB A-Buchse
Lieferumfang:	**EX-1302IS, CD, Anleitung**
Zertifikate:	**CE / FCC / RoHS / WEEE DE97424562 / WHQL**

JUMPER EINSTELLUNG & ANSCHLÜSSE:

DB 9M:

Seriell 9 Pin D-SUB Stecker:					
Pin	**Signal**	**Pin**	**Signal**	**Pin**	**Signal**
1	CDC	4	DTR	7	RTS
2	RXD	5	GROUND	8	CTS
3	TXD	6	DSR	9	RI

USB A Buchse:

USB 2.0 A-Buchse:			
Pin	**Signal**	**Pin**	**Signal**
1	VCC	3	DATA+
2	DATA-	4	GND

Achtung!
Stecker nie umgekehrt oder mit Gewalt einstecken.

HARDWARE INSTALLATION:

Beachten Sie bitte die folgenden Installationshinweise. Da es große Unterschiede zwischen PC's gibt, können wir Ihnen nur eine generelle Anleitung zum Einbau der EX-1302-IS geben. Bei Unklarheiten halten Sie sich bitte an die Anleitung Ihres Computersystems.

1. Verbinden Sie nur das Ende (A-Stecker) des mitgelieferten Kabels mit der USB A-Buchse an Ihrem PC.

TREIBER INSTALLATION:

Windows XP/ Vista/ 2000/ Server 200x/ 7/ 8 (32&64-Bit) :

Windows will recognize a new **"FT232R USB UART"** and open the hardware assistant. Please choose manual installation and put the driver CD into your CD-Rom drive. Enter the Path
"D:\USB_to_IO\FTDI\(32_64bit)Win7_8_XP_Vista_2008_2008R2_2003_2000".
into the box for the Path/Source and click at **>next/continue<**. Now Windows search for the drivers in the specified directory. Follow the hardware assistant and finish the installation. If Windows recognizes other new devices repeat the above described steps. **Attention!** Restart Windows in any case after installing the drivers.

CHECK THE INSTALLED DRIVER:

Click at **Start<>Run<** then enter **"compmgmt.msc"** and click at **>OK<**. In the windows that open select **>Device Manager<.** Under **"Ports (COM and LPT)"** you should find one more new **"USB Serial Port„** as sample (COM5). If you see this or similar entries the module is installed correctly.

INSTALL THE PERIPHERAL DEVICE:

The speed from the serial ports can be set to the maximum baud rate of 115.2Kbaud. With double click select for example **>Device manager< > USB Serial Port (COM5)<.** Now you can select the different settings of baud rate, stop/start-bits etc. This setting you can use also for the other COM ports.

Windows 98/ 98SE/ ME:

Windows will recognize a new **"FT232R USB UART"** and open the hardware assistant. Please choose manual installation and put the driver CD into your CD-Rom drive (as sample D:) . Now enter the Path **"D:\USB_to_IO\FTDI\Win98_ME"** into the box for the Path/Source and click at **>next/continue<**. Now Windows search for the drivers in the specified directory. Follow the hardware assistant and finish the installation. If Windows recognizes other new devices repeat the above described steps. **Attention!** Restart Windows in any case after installing the drivers.

CHECK THE INSTALLED DRIVER:

Click at **Start<>Run<** then enter **"compmgmt.msc"** and click at **>OK<**. In the windows that open select **>Device Manager<.** Under **"Ports (COM and LPT)"** you should find one more new **"USB Serial Port„** as sample (COM3). If you see this or similar entries the module is installed correctly.

CHANGE PORT NUMBER:

If you like to change the port number for example COM 3 to COM 5, open the **>Device Manager<** click at **>COM3<, >Settings<** and then **>Advance<**. There you can change between COM 3 to 256.

LINUX:

There are drivers available for Linux. The drivers are located in the folder **"D:\USB_to_IO\FTDI\Linux x86_64"** on the driver CD. They are supported by the most versions of Linux. Because each individual distribution and kernel version of Linux is different, sadly we cant provide a installation instruction. Please refer to the installation manual for standard IO ports from your Linux version !

MAC:

There are drivers available for MAC. The drivers are located in the folder **"D:\USB_to_IO\FTDI\MAC OSX or Mac_OS_9_8"** on the driver CD. They are supported by the most versions of MAC OS. Because each individual version of MAC OS is different, sadly we cant provide a installation instruction. Please refer to the installation manual for standard IO ports from your MAC OS version !

REINIGUNG:

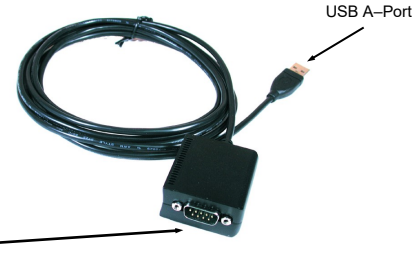
Zur Reinigung des Gerätes verwenden Sie bitte ausschließlich ein trockenes nicht faserndes Tuch und entfernen Sie die Verschmutzung mit leichtem Druck. Im Bereich der Anschlüsse bitte darauf Achten, dass keine Fasern des Tuchs in der Buchse hinterlassen werden. **Verwenden Sie bitte zu Reinigung in keinem Fall ein feuchtes oder nasses Tuch!**

User Manual

EX-1302IS

Vers. 1.2 / 04.06.13

LAYOUT :



S1 9 Pin Serial RS-232 connector

DESCRIPTION & TECNICAL INFORMATION:

The EX-1302IS is a plug & play high-speed USB to Serial module for USB 1.1 and 2.0 ports with one RS232 9Pin connector. The USB to Serial modules design utilizes the Chip-Set FTDI with 16C550 UART which incorporates the latest in high speed interface technology. It is not possible to change the address or IRQ settings manually, they will be obtained automatically by the system (BIOS) and operating system. The EX-1302IS provides 15KV Surge Protection and 2.5KV Optical Isolation.

Compatibility:	USB 1.1 & USB 2.0
Operating system:	WIN 9.x/ ME/ 2000/ XP/ Server 200x/ Vista/ 7/ 8, Linux, MAC
Connectors:	9Pin RS232 connector, 1 x USB A-Port
Extent of delivery:	**EX-1302IS, CD, Manual**
Certificates:	**CE / FCC / RoHS / WEEE DE97424562 / WHQL**

JUMPER SETTING & CONNECTORS:

DB 9M:

Serial 9 Pin male connector:					
Pin	**Signal**	**Pin**	**Signal**	**Pin**	**Signal**
1	CDC	4	DTR	7	RTS
2	RXD	5	GROUND	8	CTS
3	TXD	6	DSR	9	RI

USB A-Connector:

USB 2.0 A-connector:			
Pin	**Signal**	**Pin**	**Signal**
1	VCC	4	GND
2	DATA-		
3	DATA+		

Attention!
Never plug in with force or in wrong direction.

HARDWARE INSTALLATION:

Because there are large differences between PC's, we can give you only a general installation guide for the EX-1302-IS. Please refer your computers reference manual whenever in doubt.

1. Connect the end from the USB cable (A-Plug) to the USB A-Port at your PC.