



#### 1 搭配產品:

#### 需搭配ARC5300-B0之錦鑫相關系列產品如下:

- MINI Controller 系列: ARC3002-W、ARC3004-W0
- Multi-Channel Converter系列: ARC3730-W0、ARC3740-W0
- DMX Booster : US6601

#### 2. ARC5300-B0 產品規格:

Model No.		UTS-485TB
晶片組		FTDI
傳輸介面		RS-485
傳輸模式		半雙工多點傳輸
相容USB版本		USB 1.1
傳輸速度		最小 3 Mbps
連接器	USB端	USB Type A Male
	RS485端	配線端子*5
電源模式		Bus
長度		1M
外殼		塑膠材質

#### 3 安裝

(1) 請插入UTS – 485至您電腦的USB端。

(2) 請將驅動光碟插入您電腦的光碟機。安裝程序將開始自動運行。

(3) 如果這是您第一次安裝驅動程序,您需要安裝兩次驅動程序。一個是給USB驅動軟體使用,另一 個是給COM PORT驅動軟體使用

(4)您將會依照以下提示來完成安裝:







#### e. 安裝Serial Port驅動程式



#### q. 確認已完成所有安裝程序

將UTS-485插入電腦的USB端,並點選『開始→設定→控制台→系統→裝置管理員,就可以看到 『通用序列匯流排控制器』確認 " USB Serial Port (COM3)"及 "USB Serial Converter "已在通用序 列匯流排控制器下方出現。

🚇 Device Manager	
File Action View Help	
🗄 🥞 Display adapters	^
🕀 🥝 DVD/CD-ROM drives	
Floppy disk controllers	
🗉 🚜 Floppy disk drives	
🗉 🦢 Keyboards	
Image: Mice and other pointing devices	
By Network adapters	
E- y Ports (COM & LPT)	
<ul> <li>Z Communications Port (COM1)</li> </ul>	
- Communications Port (COM2)	
- Printer Port (LPT1)	
US8 Serial Port (COM3)	
E SProcessors	
General SCSI and RAID controllers	
<ul> <li>Sound, video and game controllers</li> </ul>	
System devices	
Universal Serial Bus controllers	
<ul> <li>Intel(r) 82371AB/EB PCI to USB Universal Host Controller</li> </ul>	
USB Root Hub	
- 46 Dag Senal Converter	~

#### 4 LED 指示

- LINK----當UTS-485已準備好。
- RX---當資料從RS-485傳輸至USB port。
- TX---當資料從USB port傳輸至RS-485。

#### 5 腳位說明 (USB 至 Terminal Block)





#### 6 硬體連接(以ARC3730為例)

a. 請依下列圖示接線,並將ARC3730-W0電源接上。



#### b. 鎖頭型接頭連接方式

 插入訊號線。 以一字螺絲起子順時鐘方向鎖緊接頭。 注意裸線長度,避免裸線過長造成短路。



### 錦鑫光電股份有限公司

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#### f. 安裝完成

Completing the Found New

lardware Wizard he wizard has finished instaling the software for

USB Serial Port



# ARC5300-B0 USB-to-RS485 Converter-产品使用手册



#### 1 搭配产品:

需搭配ARC5300-B0之锦鑫相关系列产品如下:

- MINI Controller 系列: ARC3002-W、ARC3004-W0
- Multi-Channel Converter系列: ARC3730-W0、ARC3740-W0
- DMX Booster : US6601

#### 2. ARC5300-B0 产品规格:

Model No.		UTS-485TB
芯片组		FTDI
传输接口		RS-485
传输模式		半双工多点传输
兼容USB版本		USB 1.1
传输速度		最小 3 Mbps
连接器	USB端	USB Type A Male
	RS485端	配线端子*5
电源模式		Bus
长度		1M
外壳		塑料材质

3 安装

(1) 请插入UTS – 485至您计算机的USB端。

- (2) 请将驱动光盘插入您计算机的光驱。安装程序将开始自动运行。
- (3) 如果这是您第一次安装驱动程序,您需要安装两次驱动程序。一个是给USB驱动软件使用,另一 个是给COM PORT驱动软件使用。
- (4)您将会依照以下提示来完成安装:



k Finish to close the wizard KBack Finish Cancel

#### e. 安装Serial Port驱动程序

f. 安装完成



#### q. 确认已完成所有安装程序

将UTS-485插入计算机的USB端,并点选『开始→设定→控制面板→系统→设备管理器,就可以看 到『通用串行总线控制器』确认 " USB Serial Port (COM3)"及 "USB Serial Converter "已在通用串 行总线控制器下方出现。



#### 4 LED 指示

- LINK---当UTS-485已准备好。
- RX---当数据从RS-485传输至USB port。
- TX---当数据从USB port传输至RS-485。

#### 5 脚位说明 (USB 至 Terminal Block)



#### 6 硬件连接 (以ARC3730为例)

a. 请依下列图示接线,并将ARC3730-W0电源接上。 Power 材颜色标 PC supply USB-to-RS485 Converter ARC ARC5300-3730-W0 b. 锁头型接头连接方式 插入讯号线。 • 以一字螺丝起子顺时钟方向锁紧接头。 注意裸线长度,避免裸线过长造成短路。

#### 锦鑫光电股份有限公司

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#### 1 Associated Product

The ARC products which are necessary to associated with ARC5300-B0 are as follows :

- MINI Controller Series : ARC3002-W 
   ARC3004-W0
- Multi-Channel Converter Series : ARC3730-W0 
   ARC3740-W0
- DMX Booster · US6601

#### 2. Specification ;

Model No.		UTS-485TB
Chipset		FTDI
Device Interface		RS-485
Communication Mode		Half-duplex-Multi drop
Compliant USB Version		USB 1.1
Data Speed		Min. 3 Mbps
Connector	Upstream	USB Type A Male
	Device	Shield*1 and Terminal Block*4
Power Mode		Bus
Cable Length		1M
Housing		Plastic

#### 3 Installation

(1) Please plug the UTS-485 converter into the USB port of PC first.

- (2) Insert the driver CD into the CD-ROM drive of your computer.
- The setup program will begin to run automatically.

(3) If it's the first time you install the driver of USB to Serial device, you will need to install the driver twice. One is for the device under Universal Serial Bus Controller: the other is for COM port

(4)You will be prompted by following screen dialogs to complete the work:



c. Windows has finished installing the software for USB Serial Converter



d. Serial Port dectected

e. Setup Serial Port driver

f. Windows has finished installing the software "USB Serial Port"

< Back Finish Cancel

	Found New Flaroware wizard	
lease choose your search and installation options.	Completing the Found New Hardware Wizard	
Search for the bes: driver in these locations.	The wizard has finished instaling the software for	
Use the check soves selow to limit or expand the default search, which includes loca paths and removable media. The best driver found will be installed.	USB Serial Port	
Search removable media (Roppy, CD-RIDM)		
Include this ocation in the search:	and the second se	
D \ENGLIS-1\wINXFVPRD\ Browse		
O Don't search. I will choose the driver to install		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware	2	
	Click Finish to close the wizard.	
< Back Heat > Cancel	< Back Finish	

#### g. Make sure the driver installation is finished

Plug UTS-485 unit into the USB port of the computer then click " Start " -> " Settings " -> " Control Panel " -> " System " ->" Device Manager " to see if there are " USB Serial Port (COM3)" under Ports (COM ) and "USB Serial Converter " under Universal Serial Bus controllers



#### 4 LED Indication

- · LINK----When the UTS-485 unit is ready for use.
- RX---When the data is being sent from RS-485 device to USB port.
- TX---When the data is being sent from USB port to RS-485 device.

#### 5 PIN Assignments (USB to Terminal Block)





#### 6 Connection (Take ARC3730-W0 as an example)

a. Please be in accordance with the following icon wiring, and the power supply connected to the ARC 3730-W0.



#### b. Lock-type connector connection

- Put the RS485 signal line into slot. · Fasten the connections by
- screwdriver. Avoid the over-length



## ARC SOLID-STATE LIGHTING CORPORATION

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