



V 1.3

USB-30 Serial Port Converter User Manual

南京润泽流体控制设备有限公司
NANJING RUNZE FLUID CONTROL EQUIPMENT CO.,LTD



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Chapter 1 Product Introduction

1.1 Company Overview

Nanjing Runze Fluid Control Equipment Co., Ltd., established in 2014, is a national high-tech enterprise focusing on R&D and production of fluid accessories for numerous analytical instruments. We engineer, manufacture and market differentiated standard products such as syringe pumps, multiport valves, peristaltic pumps, gastight syringes, plastic fittings, etc. We persevere in providing our customers with best quality and service in the fields of environmental monitoring, biopharmaceuticals, medical equipment, industrial automation and laboratory instruments, etc.

In past years, we have accumulated rich technical and practical experience that bring us honors of ISO9001, National High-tech Enterprise, Jiangsu Province Private Science and Technology Enterprise, 5A Bank Credit Assessment, 44 technical patents and software copyright including 2 invention patents, 27 utility model patents, 13 design patents, 2 software copyright.

RUNZE attracted experienced talents with strong capability on integrating software and hard-ware at electronic research, mechanical design, mold manufacturing. Continuous and substantial investment in research and development, which enabled the company to obtain a huge advantage in the manufacture and sales of analytical instrument accessories. RUNZE Technology Center has a reliable EMC laboratory and a series of advanced processing equipment and testing instruments, such as imported white light interferometer, Keens plane rapid detector, five-axis machining center, high-precision nano-grinding machine, etc., Continuous and substantial investment in research and development, which enabled the company to obtain a huge advantage in the manufacture and sales of analytical instrument accessories.

1.2 Product Overview

USB-30 is a tool for serial port debugging and communication test.



Chapter 2 Main Functions

2.1 Product Features

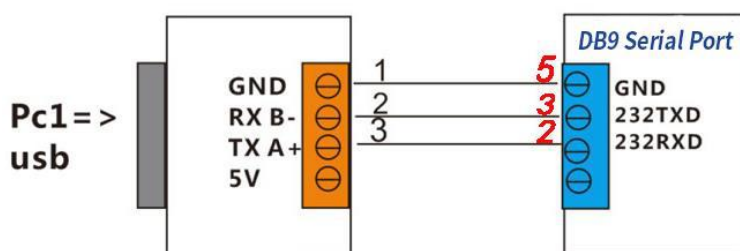
1. Support win platform such as Win98, Win2000, WinXP, Win7, Win8, Win10
2. Support USB converts to RS232 or RS485
3. Can be used to convert USB to the 485 signal, and can control 35 devices at the same time;
4. Support high baud rate 115200
5. Support self-defined serial port setting
6. Free serial port debugging software
7. Better than any other USB converter in the market
8. Wiring is more suitable for Buyer DIY Need
9. No external power supply required, USB interface can directly connect to computer
10. Can supply 5V, 200mA current for external power supply, such as downloading program for Single-Chip Microcomputer
11. Equipped with signal light, red light flashes when data pass through

2.2 DIP Switch

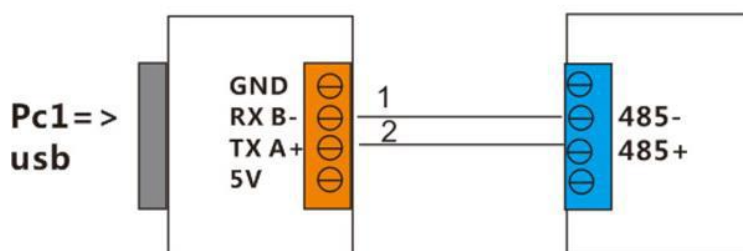
DIP Switch	Pin1	Pin2	Pin3	Pin4
RS232 terminal	5V	TXD	TXD	GND
RS485 terminal	5V	A+	B+	GND

2.3 Application

2.3.1 RS232



2.3.2 RS485



Chapter 3 Version Description

Version	Description	Release Time
V1.0	Initial version	2022.6.22
V1.2	Update contacts	2022.6.28
V1.3	Reformatting	2022.9.2



Chapter 4 Technical Service

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