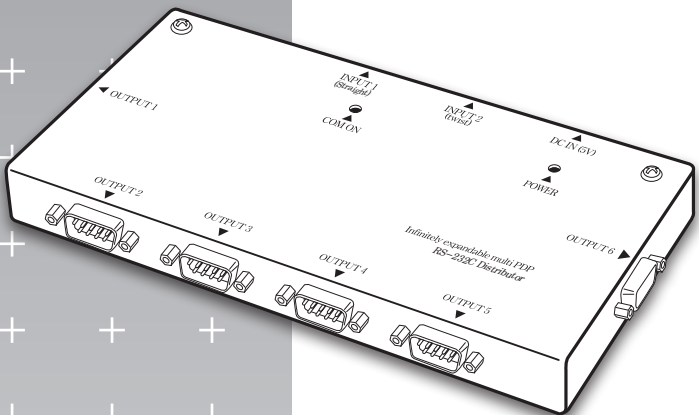


RS-232C DISTRIBUTOR

RS232C-DS6

User Manual
(Ver 1.0)



ORION PDP Co., Ltd.
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RS-232C DISTRIBUTOR

01 Introduction

1. Introduction

You can find out necessary information for installation, operation or diagnosis of the distributor in this manual.

2. Notice to users

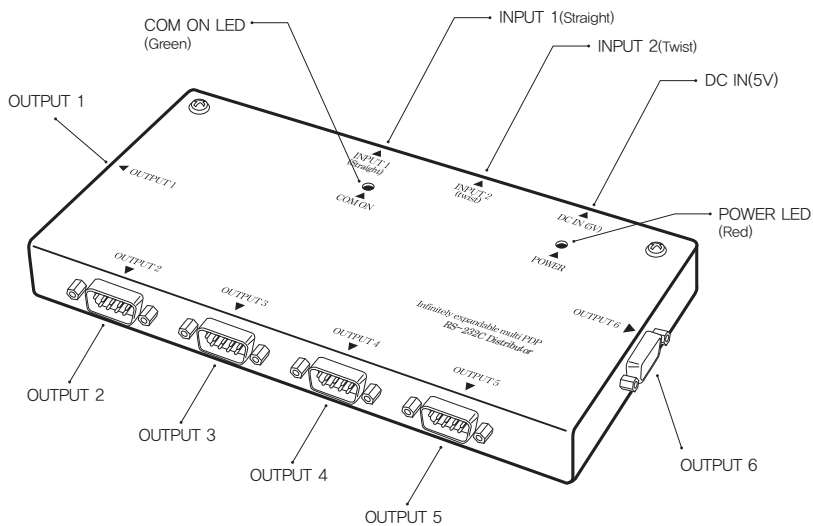
Class A device

It is a device designed for business purpose with a safety certificate for electromagnetic interference, which user should be mindful of.

3. Product

This product is a serial communication distributor that distributes one RS-232C signal up to 6 serial output ports. It is designed to work when it is connected to a RS-232C port of PC or other devices and supplied DC 5V through a built-in external power terminal.

4. Parts Name



02 Installation and Cautions

1. Introduction

You can find out what to check after taking off package and how to connect cables and supply power in this chapter.

2. What to check after taking off package

Please check whether you have all of the following items.

Name	Quantity	Remark
RS-232C DISTRIBUTOR	1	Distributor
Specification & User manual	1	

3. Cautions

- 1) Please examine any damages in the product before installation.
- 2) Please install this product in the places of no direct daylight, low humidity and good ventilation.
- 3) Please install this product away from any electromagnetic wave sensitive electronic devices.

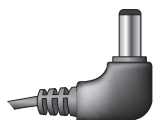
4. Power supply

You can supply DC 5V with an AC/DC adapter. (not included)

Please use a standard AC/DC adapter for DC 5V

※ Recommended Adapter Specification

- 1) Adapter Jack size: 5.5mm (external diameter) X 2.1mm (internal diameter)
- 2) Jack shape: “—” OR “L” shapes
- 3) Caution
 - Please check output voltage and capacity of the adapter before use.



L Jack shape

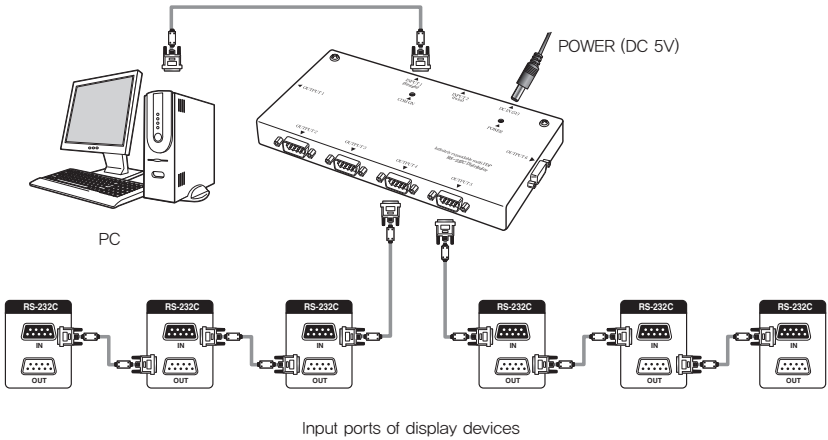


— Jack shape

5. Installation

1) Cable Connection

- Please connect PC or other devices with D-SUB 9PIN cable into INPUT 1 of the distributor and connect OUTPUT 1~6 of the distributor to INPUT ports of display devices such as MPDP with D-SUB 9PIN cable.



- When the cables are connected, green COM ON LED of the distributor is turned on.
- INPUT 2 is designed for the other connection method such as wireless RS-232C.
- Please use Direct cable (1:1 cable) for Input port No. 1 and Output port No.1 to No. 6 and Cross cable for Input port No. 2.
- Please refer to the specification for PIN connection.

2) Power

- Since this is a very low power consuming product, it is easy to use.
- This product can be conveniently used with an external AC/DC adapter.
- When power is connected, red POWER LED is turned on.

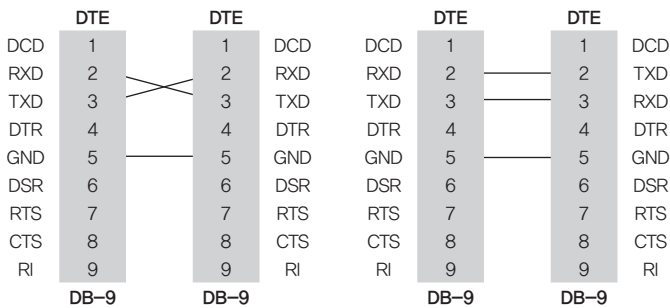
03 Distributor PIN Arrangement

1. RS-232C Signal Pin Arrangement (Female/DB-9 Connector)

Pin No.	Signal	Function
2	RXD	Received Data to DTE
3	TXD	Transmitted Data form DTE
5	GND	GND

2. INPUT/OUTPUT CONFIGULATION

CONTROL	PIN 2	PIN 3	PIN 5
INPUT 1	TXD	RXD	GND
INPUT 2	RXD	TXD	GND
OUTPUT 1~6	TXD	RXD	GND



Cross Cable

Straight Cable

04 Product Specification

1. Specification

Power supply	DC 5V 1A (DC IN 5V)
Connectors	INPUT (2 port : straight (male), twist (female))
	OUTPUT (6 port : output1/2/3/4/5/6)
Signal spec(RS-232C)	Max input/output voltage $\pm 15V$
	INPUT (D-sub 9pin : female)
	OUTPUT (D-sub 9pin : male)
LED	COM ON (communication status)
	POWER (power on status)
Product Weight	0.6kg
Product Size	212mm X 112mm X 22mm

2. Working Condition

Operation Temperature	0°C to 35°C
Storage Temperature	-10°C to 50°C
Operation Humidity	20% to 70%
Storage Humidity	20% to 90%