Recommended Accessories

DB25 Gender Reverser,
Changes Female Port to Male Port
Model 232SGM

DB25 Gender Reverser,
Changes Male Port to Female Port
Model 232SGF

RS-232 Serial Cable,
DB25 Male to DB25 Female,
6 ft. (1.8 m)
Model 232AMF5

B+B SmartWorx
Powered by ADVANTECH

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QUICK START GUIDE

Model 232UDS

Universal Serial Data Splitter

Before you begin, be sure you have the following:

+ 232UDS Data Splitter
+ Serial Cable (optional, sold separately)
+ Gender Reverser (optional, sold separately)

B+B SmartWorx
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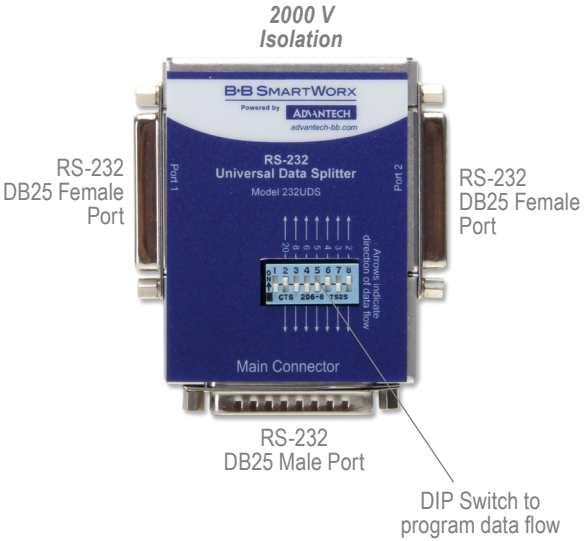
Product Overview



232UDS SPECIFICATIONS	
RS-232 Pins Supported	Pins 1 through 8, 20. (Pins 1 and 7 connected between all 3 connectors.) (Other pins programmable for data flow direction.)
Installation	In-line
Isolation	2000 VDC
Power	Port-powered from RS-232 handshake lines
Temperature	0 to 70°C (operating)

1 Getting Started

Model 232UDS, universal serial data splitter,can be connected so any two RS-232 devices can connect to any one RS-232 device. For example, two computers can share the same modem or serial printer at the same time and each can remain connected at all times.

The 232UDS can function as either a modem data splitter or a printer data splitter. It allows you to select which lines are OR'd together and which lines are passed straight through, via a DIP switch. The unit is self-powered from the RS-232 line and can be left permanently installed.

2 Pinouts

Nine pins are supported on the 232 UDS: pins 1-8 and 20. Pins 1 and 7 on all three ports are connected to each other at all times. The other pins must be programmed for proper direction of data flow.

3 Programming Data Flow

Programming the data flow direction requires some knowledge of how your ports are wired:

If you are trying to **connect two devices to one DCE port (such as a printer)**, switches 8, 6, and 2 should be on and the other switches off. This OR's the data on pins 3, 5, 6, and 8 together and sends it out the main connector, and allows the data on pins 2, 4, and 20 to flow the other way.

If you are trying to **connect two devices to one DTE port (such as a modem)**, switches 7, 5, 4 and 3 should be on and the other switches off. This OR's the data on pins 2, 4, and 20 together and sends it out the main connector, and allows the data on pins 3, 5, 6, and 8 to flow the other way.

If you are not sure which type of port you have, try both ways and see which way works. Try switches 2, 6 and 8 first and then try switches 3, 4, 5, and 7 on. Be sure that both devices on the side connectors are configured the same - both DTE or both DCE. If they are not the same you may need a null modem to reverse one side or the other.