Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

ATR-2485
RS-232 to RS-485 Adapter
User Manual

INTRODUCTION

This converter is designed for connecting your PC with RS-232 communication port to
RS-485 interface programmable power supplies/other equipment. Its transmission length can be up
to 1000m.

FEATURES & BENEFITS

- No driving software is needed
- Can directly connected tomale RS-232
  communication port of your PC
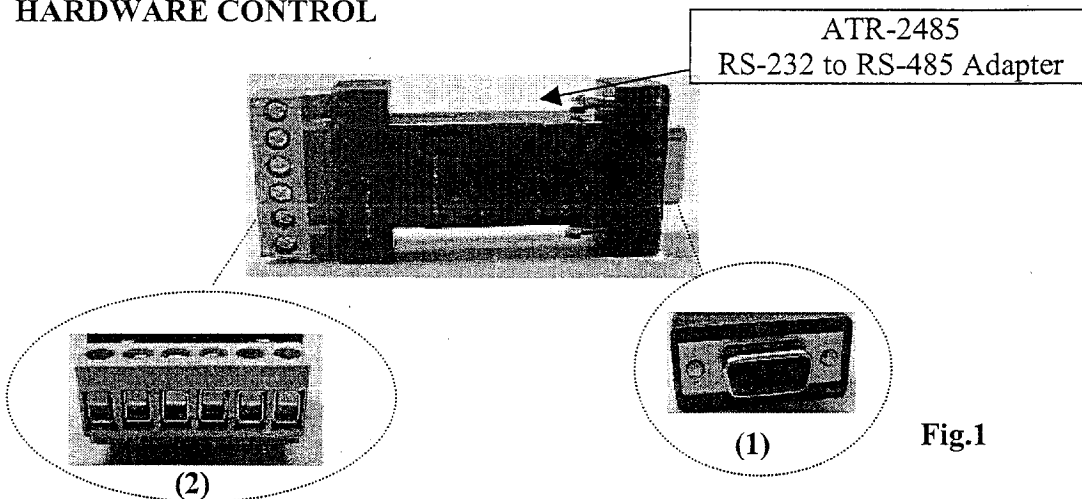- Optical isolated

HARDWARE CONTROL

ATR-2485
RS-232 to RS-485 Adapter

(1)

Fig.1

(2)

(1) RS-232 (Connect to the PC communication port)
(2) RS-485 (Connect to equipment with RS-485 interface)
     There are 6 pins, only A+, B- and GND pin are useful.

SPECIFICATIONS

RS-232 side of the converter	DB-9 female connector
RS-485 side of the converter	3-pin connector - pin 2: RS-485 (+A)
	pin 3: RS-485 (-B)
	pin 4: GND
Connection Speed	up to 9600bps
Transmission Length	up to 1000 m
Dimension	33mm (W) x 17mm (H) x 87mm (D)
Weight	40 g

CONNECTION DIAGRAM

(1) Connect the RS-232 side of the adpater to the PC Communication port.
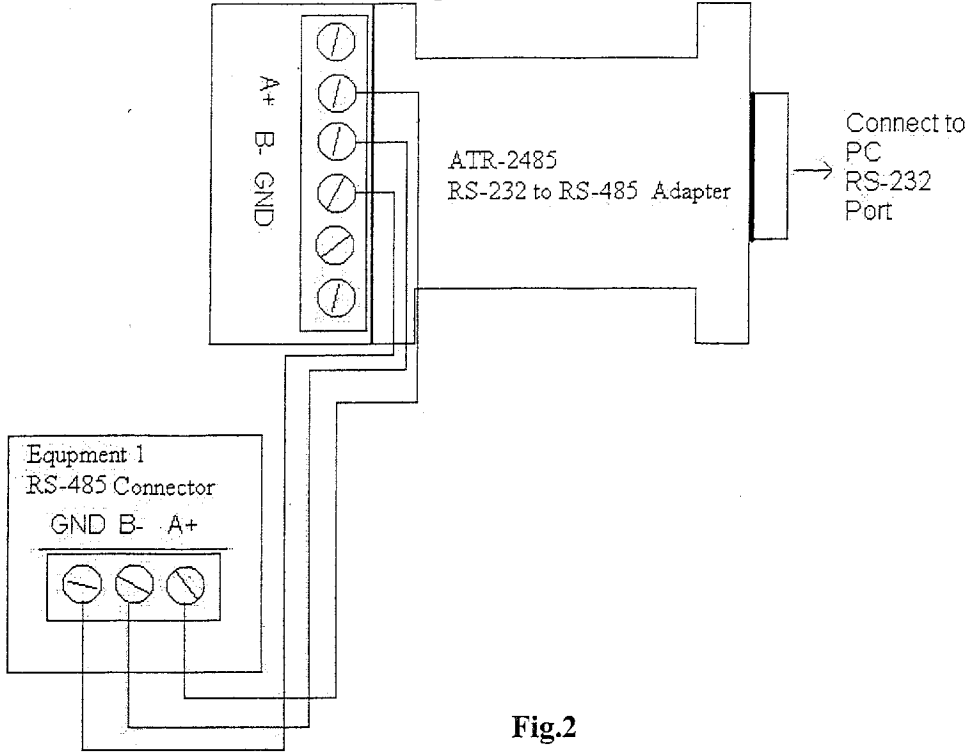(2) Connect the RS-485 side of the adapter to RS-485 connector of the equipment 1 as Fig.2.

Fig.2

(3) If you want to connect two or more equipment, connect the RS-485 connector of the equipment 1 to the equipment 2.
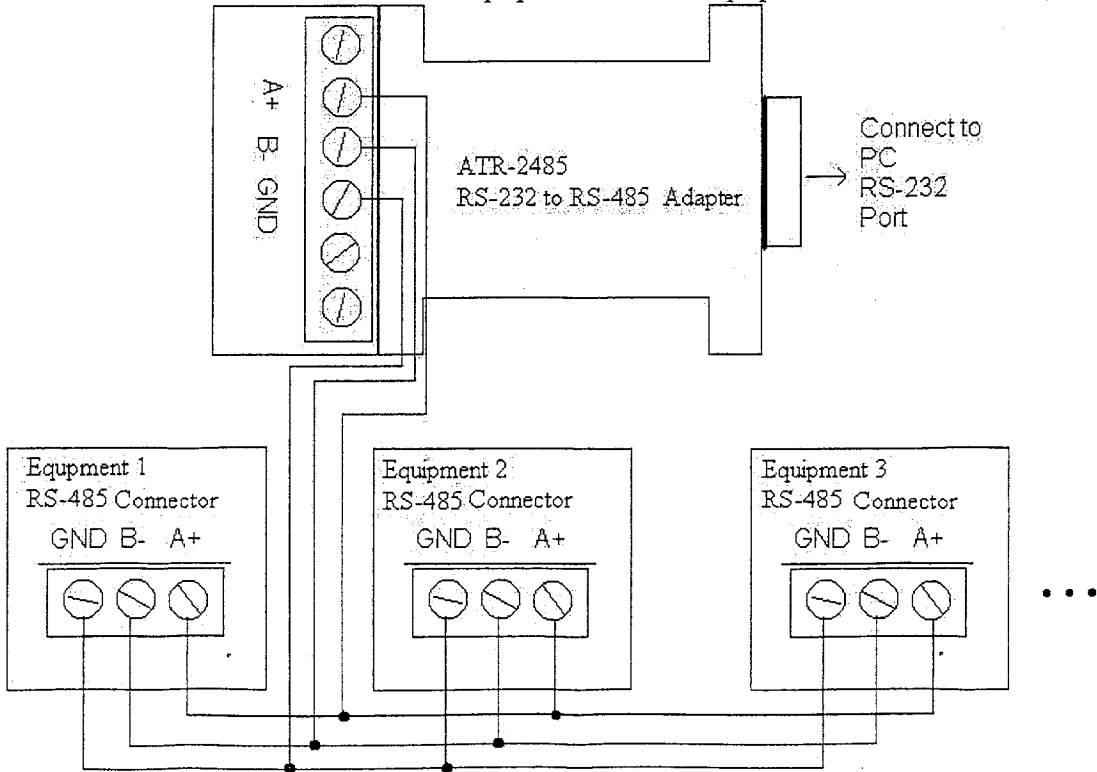(4) Connect the RS-485 connector of the equipment 2 to the equipment 3, and so on.....(see Fig.3)

Fig.3