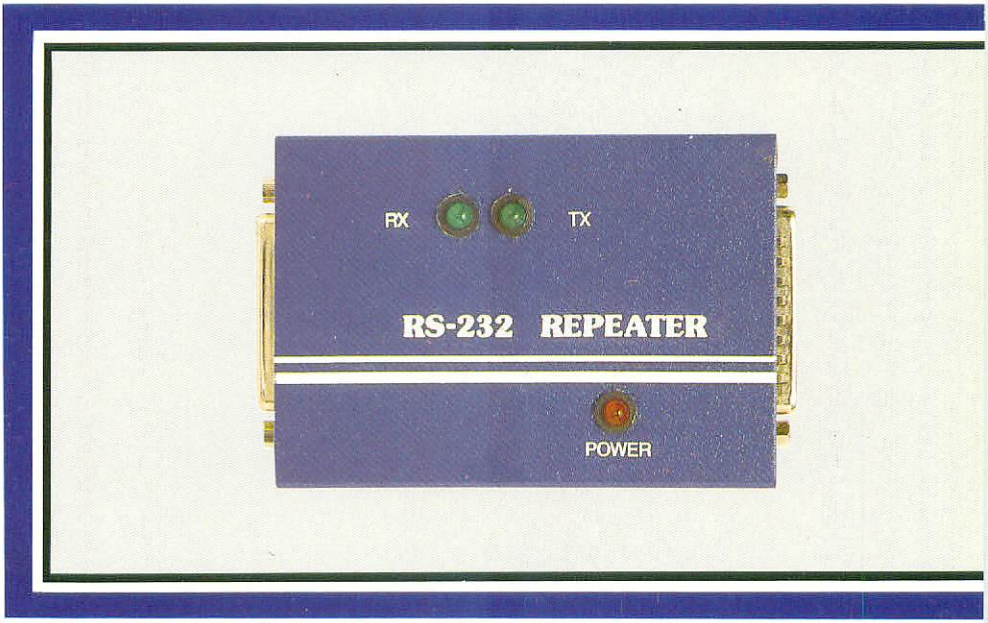
RS-232 REPEATER
OPERATION MANUAL



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CHAPTER 1 INTRODUCTION

The RS232 repeater provides a expandable communication distance for standard RS232 interface. The expandable transmission distance for a RS232 repeater is 300 ft.

The features of RS232 repeater are:

* Standard EIA RS232 asynchronous communication protocol.
* Each repeater extends up to 300 ft communication distance.
* Several repeaters can be connected for a long distance purpose.
* AC power supported for 110V/220V selectable.
* LED indicates when repeater is operating.
* LED indicates when power is in normal mode.

The package contains:

* RS232 repeater.
* AC power adapter.
* User's manual.

CHAPTER 2 HARDWARE CONFIGURATION

2.1 Block Diagram

Observe the figure shown in the following, the repeater contains three LED indicators, LED1 indicates power status, when LED1 is light means power is in normal mode, LED2 indicates transmission data of RS232 signal and LED3 indicates transmission data of another RS232 signal.

2.2 Signal Assignment

The signal assignment of a standard DB25 connector for RS232 is shown in the following.

DB25 Pin #	Signal Name	RS-232C Name	Signal Direction
1	Chassis Ground (GND)	AA	Common
2	Transmit Data (TxD)	BA	Output
3	Receive Data (RxD)	BB	Input
4	Request to Send (RTS)	CA	Output
5	Clear to Send (CTS)	CB	Input
6	Data Set Ready (DSR)	CC	Input
7	Signal Ground (SG)	AB	Common
8	Data Carrier Detect (DCD)*	CF	Input
20	Data Terminal Ready (DTR)	CD	Output
22	Ring Indicator (RI)	CE	Input

* Data Carrier Detect (DCD) is also known as Received Line Signal Detector (RLSD).

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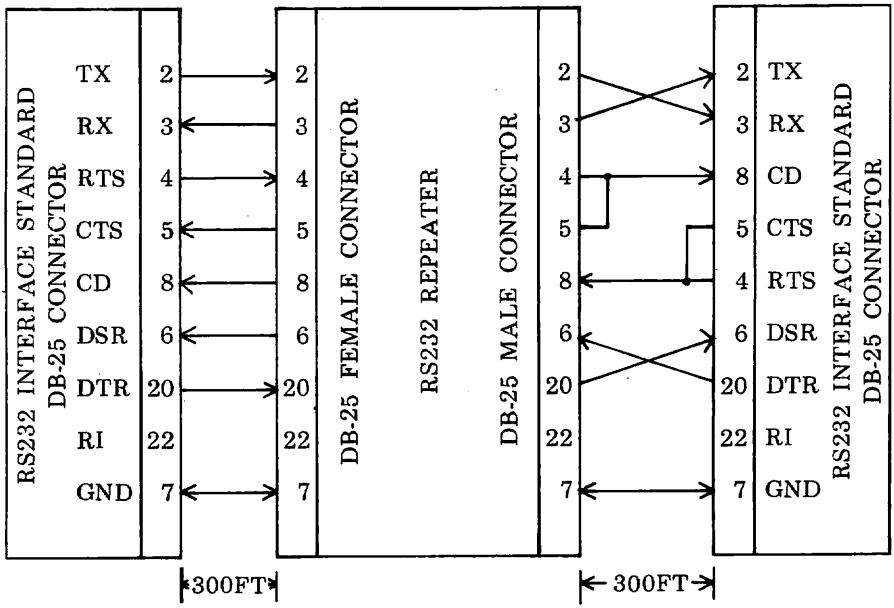
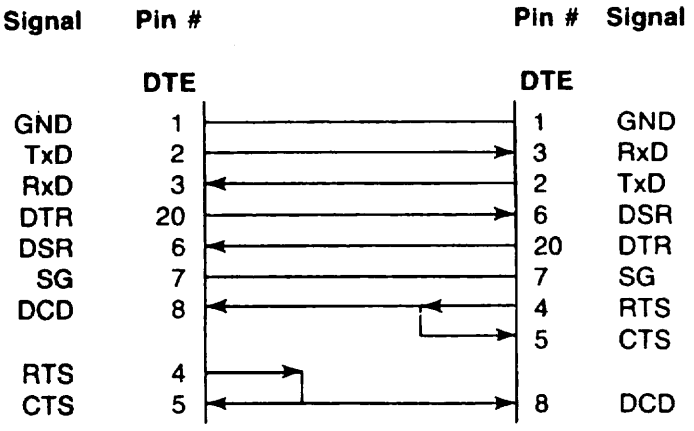
2.3 System Configuration

There are several system configurations for different applications.

RS232 REPEATER BLOCK DIAGREM



To connect your converter to DATA TERMINAL EQUIPMENT (DTE), we suggest the following connection.



Recommended DTE-to-DTE Connection (Null Modem).

NOTE: