# Chapter4 Remote Operation

The DB9 interface connector on the rear panel of the power supply can be transferred to RS-232 interface, the following information will tell you how to use the computer to control the output of the power supply.

4.1 Communication Cable

RS232 Communication Cable

RS232 communication cable consists of the IT-E121 communication cable and a standard RS232 extension cable.
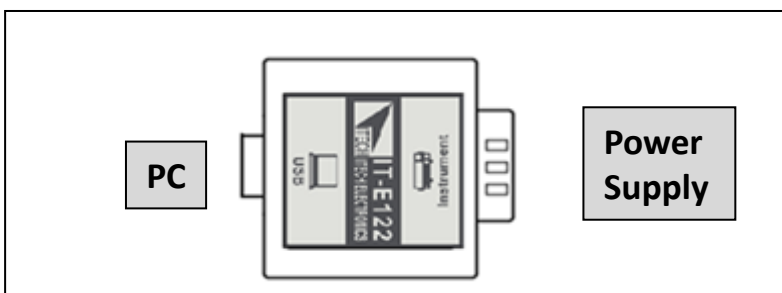
The DB9 interface connector on the rear panel of the IT6800 power supply is TTL voltage level; you can use the communication module IT-E121 and a standard RS232 extension cable to connect the DB9 interface connector of the power supply and the RS-232 interface connector of computer for the communication.
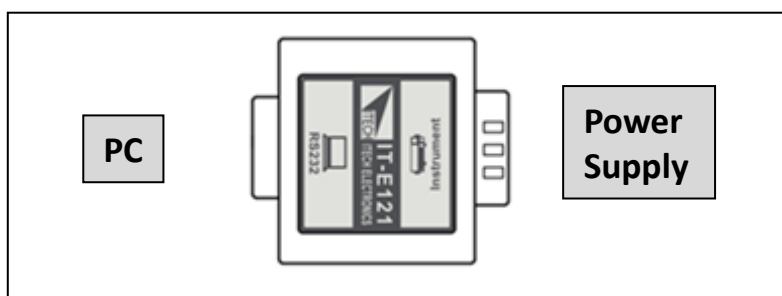
USB Communication Cable

USB communication cable consists of the IT-E122 communication cable and a standard USB communication cable.
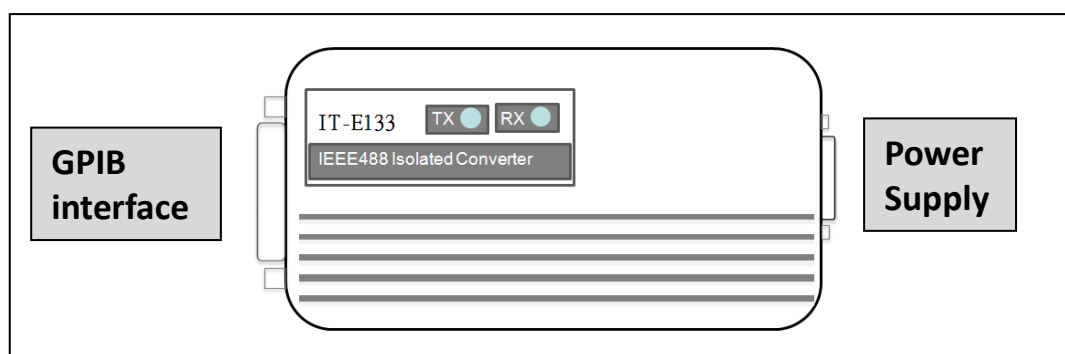
The DB9 interface connector on the rear panel of the IT6800 power supply is TTL voltage level; you can use the communication module IT-E122 and a standard USB cable to connect the DB9 interface connector of the DC load and the USB interface connector of computer for the communication. Before using IT-E122, you must install the USB driver (contained in CD or contact ITECH to get). The USB interface will be virtual serial port.

GPIB Communication Cable

The DB9 interface connector on the rear panel of power supply is TTL voltage level; you can use the GPIB communication cable (IT-E133) to connect the DB9 interface connector of the power supply, and then connect the GPIB interface of

the IT-E133 and computer with GPIB/IEEE 488 line for the communication.

CAUTION

The DB9 interface connector on the rear panel of power supply can't be connected to PC by using standard RS-232, USB or GPIB cable. You must use the communication module IT-E121, IT-E122 or IT-E133 to connect

4.2 Communication Between Power Supply and PC

Before using the remote operation mode, please make sure that the baud rate and communication address in power supply are the same as in the computer software, otherwise, the communication will fail, you can change the baud rate and communication address from the front panel or from computer.

- Baud rate: 4800,9600,19200 and 38400 are selectable, default setting is 9600
- Data bit: 8 bit
- Stop bit: 1
- Parity: (none, even, odd)
- Address

Start Bit	8 Data Bits	Parity=None	Stop Bit

📖 **Note**

You can change the baud rate and communication address from the front panel or from computer, but the data bite, stop bit and parity are the defaults and can't be changed.

DB9 Interface Details