

FLASH NET SERIAL MODEL

AS-248ST

AS-248SR

User's Manual

Packing Checklist

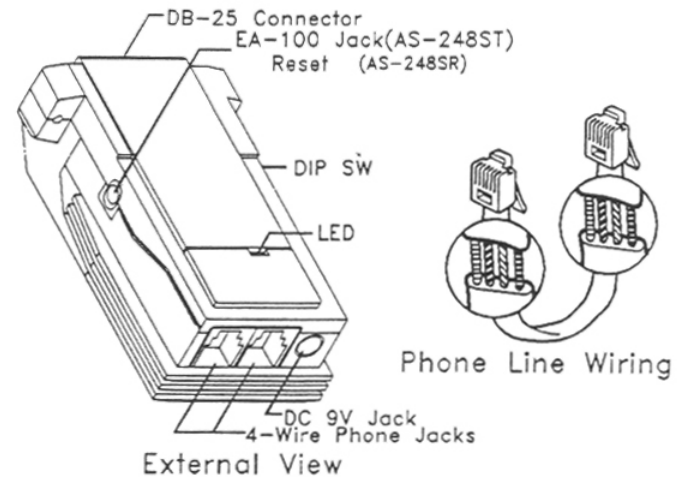
- AS-248ST or AS-248SR x 1
- RJ-11 phone line x 1
- Adapter DC 9V 200mA (min) x 1
- 3 1/2" floppy disk (AS-248SR only) x 1
- User's manual x 1

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INTRODUCTION

FLASH NET enables at least 24 computers (up to 64 computers if adapters are provided) to share eight printers by means of 4-wire phone lines. FLASH NET features 1200ft. of maximum network length, 22K Byte/sec maximum data throughput, and simultaneous printing. The network can be easily routed by inexpensive RJ-11 phone cables; simple installation and ease of use make this network suitable for all user levels.

All FLASH NET units reset themselves if all power sources are disconnected. FLASH NET uses RJ-11 phone lines for connection, all phone lines must be wired as:



The AS-248ST BRIEF DESCRIPTION

Function Overview

AS-248ST is connected to a computer's COM (serial) port and transmits the computer's serial data to a printer via the FLASH NET network.

Connection

- Phone Jack : FLASH NET bus connector
 Earphone Jack : EA-100 connector
 DB-25 Connector (female) : To computer's COM port
 Power Consumption : 80 mA (Maximum)

Connect to FLASH NET

- Set up the DIP switches, see the DIP Switch Setting table.
- Connect a DC 9V power adapter to the AS-248ST.
- Connect the AS-248ST to a computer's COM port.
- Make sure all printers are idle before connecting the AS-248ST to the FLASH NET by phone lines.
- Optional EA-100 can be plugged to the AS-248ST at any time.

Printer Selection

- By EA-100:
 Rotate and point the dial to a number to select a printer before sending a print job.
- By software:
 Read the README.DOC for complete software installation and operation.

SPECIFICATION

Specification	AS-248ST	AS-248SR
Power Consumption	DC9V, 80mA (Max)	
Connector	DB-25 Female (to DCE)	DB-25 Male (to DCE)
Phone Jack	Two RJ-11 phone jacks	
Transfer Rate	22K Bytes/sec	
Serial Interface	Baud Rate	300 - 38400 bps
	Data Length	7 or 8 bits
	Parity	None/Odd/Even
Reset Switch	None	One
EA-100 Jack	One	None
Printer Selection	EA-100 or software	None
Link Port	Auto P1 ~ P8	
Timeout	5/10/25/60 Seconds	
Auto Formfeed	Enable or Disable	
LED	One status LED	
Operation Temperature	5°C ~ 50°C	
Humidity	0% ~ 80%	
Enclosure	Plastic	
Weight	60g	
Dimension (L x W x H)	93 x 53 x 23 (mm)	

The AS-248SR BRIEF DESCRIPTION

Function Overview

AS-248SR receives print jobs from a computer via the FLASH NET and passes the jobs to the connecting serial printer. Maximum eight printers can be linked to the network by AS-248SRs and AS-248Rs at a time.

Connection

Phone Jack	: FLASH NET bus connector
Power Jack	: DC 9V, 200mA
DB-25 Connector (male)	: To serial printer
Power Consumption	: 80 mA (Maximum)

Connect to FLASH NET

1. Set up the DIP switches, see the DIP Switch Setting table.
2. Connect a DC 9V power adapter to the AS-248SR.
3. Connect the AS-248SR to a serial printer.
4. Make sure all printers are idle before connecting the AS-248SR to the FLASH NET by phone lines.

SW8	SW9	SW10	Printer Number
ON	ON	ON	1
ON	ON	OFF	2
ON	OFF	ON	3
ON	OFF	OFF	4
OFF	ON	ON	5
OFF	ON	OFF	6
OFF	OFF	ON	7
OFF	OFF	OFF	8

(For AS-248SR only)

DIP SWITCH SETTINGS

Both AS-248ST and AS-248SR have a 10-pin DIP switch. The DIP switches number 1 to 7 are used to setup serial communication settings, and DIP switches 8 to 10 are used by AS-248SR to select a printer number, and they must be selected before connecting power to the AS-248SR. AS-248SR, AS-248R and AS-248B are receivers, and one and only one receiver must be set to 'P1' for the network to function properly. No two receivers can be set to the same DIP switch number, and every receiver must have a unique Printer Number setting.

SW1	SW2	SW3	Baud Rate (bps)
ON	ON	ON	38400
ON	ON	OFF	19200
ON	OFF	ON	9600
ON	OFF	OFF	4800
OFF	ON	ON	2400
OFF	ON	OFF	1200
OFF	OFF	ON	600
OFF	OFF	OFF	300

SW4	Handshake Type	SW5	Data bits & Stop bits
ON	XON/XOFF handshake	ON	7 Data bits & 2 stop bits
OFF	Hardware handshake	OFF	8 Data bits & 1 stop bit

SW6	SW7	Parity Selection
ON	ON	Non-parity
OFF	ON	Odd parity
OFF	OFF	Even parity