Code consists of a <HEADER>, a <CODE> and a <TAILER>:

    <HEADER> <CODE> <TAILER>

Where,

<HEADER> is & + &C ie, ASCII Codes

        26H 2BH 26H 43H

<CODE>   is an ASCII code.

<TAILER> is recognized by one of the following 4

    combinations:

        <CR>

        <LF>

        <CR> <LF>

        <LF> <CR>

And   <CR> is ASCII 0DH

        <LF> is ASCII 0AH

ASCII Code	Hex #	Link to Printer	FormFeed	Timeout
1	31	P1		
2	32	P2		
3	33	P3		
4	34	P4		
5	35	P5		
6	36	P6		
7	37	P7		
8	38	P8		
0 or 9 (default)	30 or 39	P1 - P8 Auto		
: (default)	3A		Disabled	
;	3B		Enabled	
<	3C			5 Sec.
= (default)	3D			10 Sec.
>	3E			25 Sec.
?	3F			60 Sec.

* Above defaults are set by AS-248T when reset.

** 'P1-P8 Auto' means AS-248T would automatically send files to the ready printer of the lowest number available.

For example, send following data to AS-248T:

& + &C2 <CR> <LF>, select "P2".

& + &C< <CR> <LF>, select 5 sec Timeout.

& + &C: <CR> <LF>, select FormFeed disabled.

THE EA-100 BRIEF DESCRIPTION

EA-100 is an optional system accessory for AS-248T users. It provides an easily accessible switch for printer selection that eliminates the use of software.

Function Overview
EA-100's functions include auto/manual printer selection, FormFeed enable/disable and Timeout selections.

Connection
Ear-Phone Plug   : to AS-248T's rear ear-phone jack.

Power Consumption: 0.5mA (max)

DIP Switches and the Dial
DIP switch can be changed anytime and the functions are:

	DIP SW No.				Function		
	1	2	3	4	Timeout	FormFeed	EA-100 Active
	Off	Off			5 sec		
(default)	On	Off			10 sec		
	Off	On			25 sec		
	On	On			60 sec		
(default)			Off			Disable	
			On			Enable	
				Off			Inactive
(default)				On			Active

There are 9 positions for the rotating Dial on the EA-100. Set the Dial to '1'...'8' selecting printer number 1...8. Set the Dial to 'A' selecting all printers in Automatic mode.

The Dial is used to select the printer number, and is effective after Timeout and before sending a file to AS-248T while the PC is sending files to AS-248T, the Dial is ineffective.

FLASH/NET Device

AS-248T
AS-248R
EA-100

USER'S MANUAL

THE FLASH/NET AND AS SERIES UNITS

AS-248R, AS-248T and EA-100 feature 1200ft. of maximum network length, 22k bytes/sec maximum data throughput and simultaneous printing.
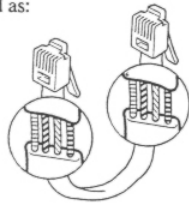
At least 24 PCs can share 8 Centronics printers with the AS-248 network by means of 4-wire phone lines. With AS-248Ts connecting to PCs and AS-248Rs connecting to printers in a Bus, Star or Tree topology, this advanced power-free network eliminates multiple auto switches and tangled cables. Simple installation and easy of use makes this network suitable for all user levels.

AS-248T and AS-248R gain power as follows:

- Be connected to a running computer.
- Be linked to a running AS-248 network by 4-wire telephone line.
- Be connected to a power adapter.

Both the AS-248T and AS-248R reset themselves if all power sources are disconnected

FLASH/NET uses RJ-11 phone line for connection, all phone lines must be wired as:

THE AS-248R BRIEF DESCRIPTION

AS-248R is connected to printer's Centronics input port for FLASH/NET, up to 8 AS-248Rs can be connected to the network.

Function Overview
AS-248R receives data from FLASH/NET and sends it to the connected printer.
Connector

Power Jack   : +9V DC, 200mA (option)

Phone Jack   : FLASH/NET bus connector

C-36 Connector (male): to Centronics printer

Power Consumption   : 2mA (max)

DIP SW Setting
DIP Switches on AS-248Rs must be selected before connecting AS-248Rs to printers. One and only one of the AS-248Rs must be set to 'P1' for the network to function and no two AS-248Rs can be set to the same DIP switch number (see table below).

	PRINTER SETTING				
	1	2	3	4	Printer No.
(default)	On	On	On	x	P1
	Off	On	On	x	P2
	On	Off	On	x	P3
	Off	Off	On	x	P4
	On	On	Off	x	P5
	Off	On	Off	x	P6
	On	Off	Off	x	P7
	Off	Off	Off	x	P8

x: Can be set to either on or off.

Connect to FLASH/NET

1. Turn off all printers and computers.
2. Set up AS-248Rs' DIP Switches.
3. Connect AS-248Ts to computer's, Centronics ports .
4. Connect AS-248Rs to Centronics printers.
5. Link all AS-248Ts and AS-248Rs by 4-wire telephone lines.
6. Connect optional EA-100s to AS-248Ts' rear earphone jack.
7. Turn on computers and printers.

Special Notices

- Once DIP switches on the AS-248R are changed, AS-248R must be isolated from all connections in order to update the change.
- Do not re-wire phone lines while printer is printing.

- Do not turn printer on or off while printer is printing.
- While printing a file, changing the Dial on EA-100 has no effect.
- If more than 50% of the printers and PCs are off, or the total phone lines are longer than 500ft, or the enviroment is electrically noisy, please add a power adapter to 'P1' or more adapters to AS-248Rs.

THE AS-248T BRIEF DESCRIPTION

This product is connected to PC's LPT port for FLASH/NET, at least 24 AS-248Ts can be placed on the network.

Function Overview
AS-248T gets data from EX/NET controller then to FLASH/NET's AS-248R for further process.

Connection

Phone Jack   : FLASH/NET bus connector

Earphone Jack (Rear) : EA-100 connector

DB-25 Connector (male): To PC's Centronics O/P port

Power Consumption   : 2mA (max)

Connect to FLASH/NET

1. Before plugging the AS-248T to the FLASH/NET, make sure none of the AS-248T device is sending data to FLASH/NET.
2. Plug AS-248T to PC's Centronics O/P port.
3. Connect AS-248T to FLASH/NET via phone wire.
4. Optional EA-100 can be plugged to AS-248T at any time.

Software Codes
Software Codes are unique combinations of ASCII codes that can be sent to AS-248 by the user to select printer(s), Form-Feed disable/enable or Timeout settings. Complete Software