

Table 4-1
Menu Options

MAIN MENU	SUBMENU	SUBMENU ITEM	ITEM OPTION	AT COM.	S-REG	
M A I N 5	MODIFY CONFIGURATION ?	CHANGE MODEM OPTIONS ?	CHANGE LEASED/ DIAL LINE ?	2 WIRE/ 4 WIRE	&L1. &L	S27
			CHANGE MODULATION ?	AUTOMODE V.21 BELL 103 V.22 bis V.27 ter* V.29* V.32 bis V.33* V.34	*MM *MM1 *MM2 *MM5 *MM6 *MM8 *MM10 *MM11 *MM12	S88
			CHANGE MAX DCE RATE ?	28800 26400 24000 21600 19200 16800 14400 12000 7200 9600 9600U 4800 2400 1200 300 DTE SPEED	%B15 %B14 %B13 %B12 %B11 %B10 %B9 %B8 %B7 %B6 %B5 %B4 %B3 %B2 %B1 %B	S69
			CHANGE MIN DCE RATE ?	28800 26400 24000 21600 19200 16800 14400 12000 7200 9600 9600U 4800 2400 1200 DISABLED DISABLED	%L15 %L14 %L13 %L12 %L11 %L10 %L9 %L8 %L7 %L6 %L5 %L4 %L3 %L2 %L1 %L	S69
			CHANGE V.34 RATE THRESHOLD ?	LOW BER MED BER HIGH BER	*TH *TH1 *TH2	--
			V.34 ASYM RATES	ENABLE DISABLE	*AS1 *AS	S96
			NORMAL ORIGINATE FORCED ANSWER *	NORMAL ORIG. FORCED ANS.	*OR *OR1	S14
			V.22 GUARD TONE	DISABLE 550 Hz 1800 Hz	&G &G1 &G2	S23
			V.32 FAST TRAIN	ENABLE DISABLE	*FT1 *FT	S29
			SQ RETRAIN	ENABLE DISABLE	%E1 %E	S60

* Lease line only.

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MAIN MENU	SUBMENU	SUBMENU ITEM	ITEM OPTION	AT COM.	S-REG		
M A I N 5	MODIFY CONFIGURATION ? (continued)	CHANGE MODEM OPTIONS ? (continued)	SQ AUTO RATE	HIGH BER MED BER LOW BER DISABLED	%R3 %R2 %R1 %R	S53	
			TRANSMITCLOCK SELECT	INTERNAL EXTERNAL RECEIVE	&X &X1 &X2	S27	
			DIAL LINE JACK †	PER - RJ11 PROG - RJ15	%Z %Z1	S51	
			DIAL TRANSMIT LEVEL	-9 dBm TO -21 dBm	*TDn	S51	
			LEASE TRANSMIT LEVEL*	0 to -21 dBm	*TLn	S52	
			LINE CURRENT DISCONNECT†	OFF SHORT LONG	*LC, *LC1, *LC2	S32	
			LONG SPACE DISCONNECT†	ENABLE DISABLE	Y1 Y	S21	
			DIAL BACKUP*	MANUAL AUTOMATIC	*DB *DB1	S32	
			LOOKBACK TIME*	0 DISABLED - 255 MINUTES	--	S28	
			CHANGE PROTOCOL OPTIONS ?	LAPM PROTOCOL	ENABLE DISABLE	W4, W5, W6, W7 W, W1, W2, W3	S70
				MNP PROTOCOL	ENABLE DISABLE	W2, W3, W6, W7 W, W1, W4, W5	S70
				PROTOCOL FALLBACK	ENABLE DISABLE	W3, W5, W6, W7 W, W1, W2, W4	S70
				DATA COMPRESSION	DISABLE NORM TX RX	%C %C1 %C2 %C3	S56
				DTE SPEED	DTE=DCE CONSTANT DTE	U1 U	S70
				DTE FLOW CONTROL	DISABLE XON/XOFF CTS RTS/CTS	Q Q1 Q2 Q3	S54
			DCE FLOW CONTROL	DISABLE XON/XOFF CTS	Q4 Q5 Q6, Q7	S54	
			XON/XOFF PASS THROUGH	ENABLE DISABLE	X1 X	S54	

* Lease line only.
† Dial line only

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MAIN MENU	SUBMENU	SUBMENU ITEM	ITEM OPTION	AT COM.	S-REG	
M A I N 5	MODIFY CONFIGURATION ? (continued)	CHANGE PROTOCOL OPTIONS ? (continued)	INACTIVITY TIMER	OFF, 15, 30, 45, 60, 75, 90 MIN	!TLn	S58
			BREAK CONTROL	0, 1, 2, 3, 4, 5	!K, !K1, !K2, !K3, !K4, !K5	S59
			V.42 FAST DETECT	ENABLE DISABLE	!M1 !M	S70
	CHANGE DTE OPTIONS ?	OPERATION	SYNC		&M1, 2, 3, 4, 5, 6 &M	S27
			ASYN			S30
		DTE RATE (Async)	300, 1200, 2400, 4800, 7200, 9600, 12000, 14400, 19200, 38400, 21600, 24000, 26400, 28800, 57600, 115200	--		S80
		CHAR SIZE (Async)	7 BIT 8 BIT	--		S61
		PARITY (Async)	NO, EVEN, ODD	--		S61
		DIAL METHOD	ASYN DTR, MANUAL, V.25 BISYN, V.25 SDLC, V.25 bis async	&M1, &M2, &M3, &M4, &M5, &M6	S27 S30	
			AT COMMAND SET	ENABLE DISABLE	*NT1 *NT	S29
		CHARACTER TYPE (V.25 only)	ASCII, EBCDIC	--		S30
		SDLC DATA FORMAT	NRZ, NRZI	--		S30
		DTR STATE	IGNORE RECALL CMD DISCONNECT RESET	&D &D1 &D2 &D3	S21	
		DSR STATE	NORMAL FORCED HIGH OFF 5 SEC ON DISCONNECT FOLLOWS OH	&S1 &S &S2 &S3	S21	
		DCD STATE	NORMAL FORCED HIGH OFF 5 SEC ON DISCONNECT FOLLOWS REMOTE RTS	&C1 &C &C2 &C3	S21	
		CTS STATE	NORMAL FORCED HIGH CTS FOLLOWS DCD CTS=RTS	&R &R1 &R2 &R9	S21 S72	
	RTS/CTS DELAY		0 to 150 ms (10 ms)	--	S26	

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MAIN MENU	SUBMENU	SUBMENU ITEM	ITEM OPTION	AT COM.	S-REG		
M A I N 5	MODIFY CONFIGURATION ? (continued)	CHANGE DTE OPTIONS ? (continued)	DTE COMMANDED FALLBACK	ENABLE DISABLE	*FB1 *FB	S53	
			OPTIONS RES/RETND AT DISC	RESTORED RETAINED	*RO1 *RO	S29	
		CHANGE TEST OPTIONS ?	BILATERAL DIGITAL LOOP	ENABLE DISABLE	*DG1 DG	S34	
			DTE LOCAL TEST	ENABLE DISABLE	*LA1 *LA	S34	
			DTE REMOTE TEST	ENABLE DISABLE	*RD1 *RD	S34	
			REMOTE COMMANDED	ENABLE DISABLE	&T4 &T5	S23	
			TEST TIMEOUT	OFF, 60, 120, 180, 240 SEC	--	S18	
			CHANGE DIAL OPTIONS ?	DIAL TYPE	PULSE, TONE	P, T	S14
		AUTODIAL #		OFF, 1-9	*AUn (n=1-9)	--	
		DIAL TONE		BLIND DIAL WAIT FOR DIAL TONE	X, X1, X3 X2, X4	S22	
		WAIT DELAY (Blind Dial)		1, 2, 3, 4, 8, 16 32 SEC	--	S6	
		PAUSE DELAY		1, 2, 3, 4, 8, 16 32 SEC	--	S8	
		CALL TIMEOUT		15, 30, 45, 60, 75, 90, 105, 120 SEC	--	S7	
		ANSWER RING #X		1, 2, 4, 8, 16	--	S0	
		AUTOCALLBACK		ENABLE, DISABLE	--	S72	
		CHANGE SPEAKER OPERATION ?		VOLUME CONTROL	LOW MEDIUM HIGH	L1 L2 L3	S22
				SPEAKER CONTROL	ON UNTIL CARR DETECT ALWAYS ON OFF WHILE DIALING ALWAYS OFF	M1 M2 M3 M	S22
		LOAD/STORE OPTION SET ?	LOAD FACTORY OPTION	NO, 1-9	&Fn (n=1-9)	--	
			LOAD USER OPTION SET	1 2	Z0 Z1	--	
			STORE PRESENT OPTIONS	1 2	&W &W1	--	
			USER OPTION AT RESET	1 2	&Y &Y1	--	

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MAIN MENU	SUBMENU	SUBMENU ITEM	ITEM OPTION	AT COM.	S-REG
M A I N 6	CHANGE PHONE NUMBERS ?	PHONE NUMBER	ENTER NUMBER 32 digits	&Zn (n=phone# and dial modifiers) *CNn,x	--
		FRONT PANEL FEATURES ?	CHANGE RMT PASSWORD ?	ENTER PASSWORD	%P
M A I N 7	FRONT PANEL FEATURES ?	ENTER REMOTE CONFIGURATION	ENTER REM CFG PASSWORD	%T	--
		EXIT REMOTE CONFIGURATION	EXIT	&T	--
		CHANGE FRONT PANEL PASSWORD	ENTER PASSWORD *	--	--
			ACTIVATE SECURITY	--	--

* Password of 0000 disables front panel security.

561	OFF 1-0	CHANGING	1-0	561
562	ON 1-1	CHANGING	1-1	562
563	OFF 1-0	CHANGING	1-0	563
564	ON 1-1	CHANGING	1-1	564
565	OFF 1-0	CHANGING	1-0	565
566	ON 1-1	CHANGING	1-1	566
567	OFF 1-0	CHANGING	1-0	567
568	ON 1-1	CHANGING	1-1	568
569	OFF 1-0	CHANGING	1-0	569
570	ON 1-1	CHANGING	1-1	570
571	OFF 1-0	CHANGING	1-0	571
572	ON 1-1	CHANGING	1-1	572
573	OFF 1-0	CHANGING	1-0	573
574	ON 1-1	CHANGING	1-1	574
575	OFF 1-0	CHANGING	1-0	575
576	ON 1-1	CHANGING	1-1	576
577	OFF 1-0	CHANGING	1-0	577
578	ON 1-1	CHANGING	1-1	578
579	OFF 1-0	CHANGING	1-0	579
580	ON 1-1	CHANGING	1-1	580
581	OFF 1-0	CHANGING	1-0	581
582	ON 1-1	CHANGING	1-1	582
583	OFF 1-0	CHANGING	1-0	583
584	ON 1-1	CHANGING	1-1	584
585	OFF 1-0	CHANGING	1-0	585
586	ON 1-1	CHANGING	1-1	586
587	OFF 1-0	CHANGING	1-0	587
588	ON 1-1	CHANGING	1-1	588
589	OFF 1-0	CHANGING	1-0	589
590	ON 1-1	CHANGING	1-1	590
591	OFF 1-0	CHANGING	1-0	591
592	ON 1-1	CHANGING	1-1	592
593	OFF 1-0	CHANGING	1-0	593
594	ON 1-1	CHANGING	1-1	594
595	OFF 1-0	CHANGING	1-0	595
596	ON 1-1	CHANGING	1-1	596
597	OFF 1-0	CHANGING	1-0	597
598	ON 1-1	CHANGING	1-1	598
599	OFF 1-0	CHANGING	1-0	599
600	ON 1-1	CHANGING	1-1	600

Reporte .-

Practica No. 6.-

1.- ¿ Cuales LED's deben de encender normalmente según la configuración que se tiene ?

Objetivo de la practica .-
Establecer un enlace con dos modem's utilizando las distintas configuraciones para los distintos escenarios que se puedan lograr, ya sea sincrono, asincrono, a dos o cuatro hilos, por linea privada o linea conmutada, etc.

2.- Mencione para que se utilizan cada una de las configuraciones que tiene el módem de fabrica.

3.- Escriba las opciones de la configuración de fábrica numero 3.

4.- ¿ Cuales son las opciones que tiene de fabrica el módem para un enlace sincrono ?

5.- ¿ Y para un asincrono ?

Instalación Eléctrica.

• La alimentación es proporcionada a través de un cable de 6 pies de largo con tres hilos para separar la tierra de la línea y el neutro. La energía es de 120

• Conexión al equipo DTE .-
El conector hacia el equipo DTE es un conector DB-25 de 25 pines conforme a las especificaciones del EIA-232. La señalización eléctrica en los pines es proporcionada en la siguiente figura y descrita en la siguiente tabla .-