VOICE FAXMODEM

56V14HSF/5

USER'S MANUAL

Quick Reference Guide to Voice and Fax

For information on the use of the voice or fax functions, please refer to the following schematics.

Internal model

```
TO  PHONE ———
TO  LINE ———
Speaker  Out  Jack ———
Mic  In  Jack ———
```
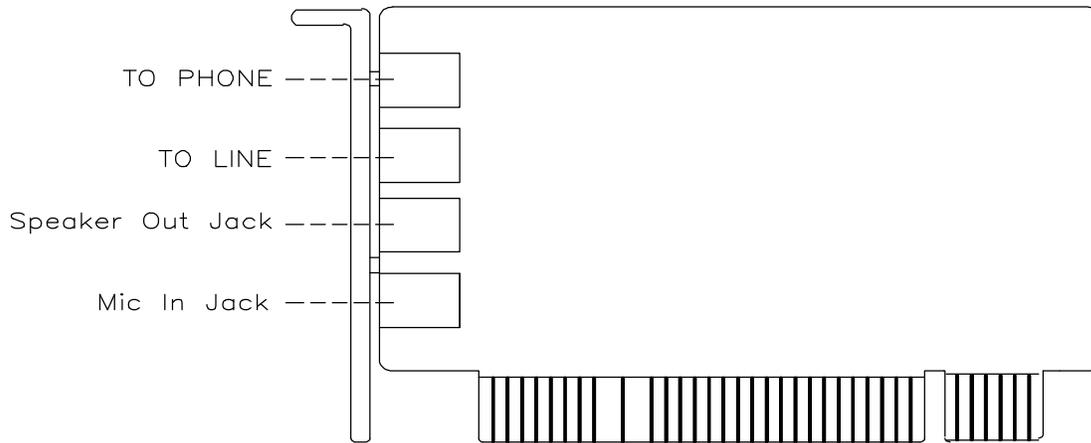
Mic In Jack
The Mic In Jack allows you to connect a microphone for voice input

Speaker Output Jack
The speaker out jack allows you to connect a speaker for audio output from the card's build-in power amplifier.

After the hardware installation, the following features of the provided applicatin software are available:

        (1) Send and receive fax, just like a fax machine.
        (2) Answer your phone, just like an answering machine.
        (3) Send and receive data

For any information regarding the installation or use of the included software, Please refer to the manual included with the bundled software.

FCC Connection Information

FCC Part 68

This equipment complies with Part 68 of the FCC Rules. On the bottom of this equipment is a label that contains the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must provide this information to the telephone company upon request.

The REN is useful to determine the quantity of devices you may connect to the telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If the modem causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this modem, please contact your dealer for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

Installation

This device is equipped with a USOC RJ11C connector.

FCC Part 15

The modem generates and uses radio frequency energy. If it is not installed and used properly in strict accordance with the user's manual, it may cause interference with radio and television reception. The modem has been tested and found to comply with the limits for Class B computing devices in accordance with the specifications in Subpart B, Part 15 of the FCC regulations. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. FCC regulations require that shielded interface cables be used with your modem.

If interference does occur, we suggest the following measures be taken to rectify the problem:

1) Move the receiving antenna.
2) Move the modem away from the radio or TV.
3) Plug the modem into a different electrical outlet.
4) Discuss the problem with a qualified radio/TV technician.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance to the FCC Rules could void the user's authority to operate this equipment.

Cable connections :

All equipment connected to this modem must use shielded cable as the interconnection means.

Notes :

Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received including interference that may cause undesired operation.

Chapter 1 Installation

This manual describes installation of the PCI modem. Set up your modem according to hardware configuration you get.

Unpacking the modem

The complete package should include:

1) The modem card
2) The user's manual
3) The modular telephone cable
4) Communication software (optional)

Installing the Modem Card

Installing of the modem card consists of the following steps:

1) Plugging the modem card into the computer.

2) Connecting the modem card to a reliable telephone line.

Plugging the modem card into the computer

After Plugging the modem card into the computer, use the following procedures to install the modem into the computer.

1) Make sure that the computer is turned off and unplugged from the power source.

2) Remove the cover of your computer to explore the expansion slots. (See the computer's installation guide for instructions).

3) Choose an expansion slot which is not being used.   Use an appropriate screwdrive to unscrew the screw which holds the metal bracket of the slot.   Save the screw as you will need it later.

4) Remove the metal bracket and set it aside.

5) Hold the modem card by its top edges and align it with the expansion slot.   Make sure that the gold edge connectors (golden fingers) are exactly aligned with the expansion slot.

CAUTION: Be careful to handle the modem card by its edges only.   The precision components on the card can be easily damaged by static electricity or physical abuse.

6) Carefully and gently press the card down into the slot.   The top of the metal bracket on the modem should rest exactly on the rear panel bracket of the computer. If this is not the case, remove the modem card and try again.

7) Secure the modem card with the screw you have previously removed.

INSTALLATION THE DRIVER

A. System Reguirements

1.) Recommended CPUs

* Intel Pentium, 150MHz with MMX, 256K Level 2 (L2) cache
* Intel Pentium, 200MHz, 256K L2 cache
* Intel Pentium II
* Intel Pentium Pro
* Intel Celeron (Pentium II, 256MHz, no L2 cache)
* AMD K6, 233MHz, 256K L2 cache
* AMD K6-2, 256K L2 cache
* Cyrix 6x86MX, 266MHz, 256K L2 cache

2.) Compatible Operating Systems

The modem is compatible with the following operating systems:
* Windows95 (OEM Service Release 2.0 or later)
* Windows98
* Windows NT 4.0 (and later)
* DOS Box under Windows 95/98

3.) System RAM requirements

Windows 95/98	16MB
Windows NT	32MB

B. Windows 95/98 Modem Installation

Perform the following procedure to install your modem to your IBM PC or compatible computer. Different Versions of Windows 95 and Windows 98 may have slightly different install wizards. The following is the Windows98 installation.

<Step01> First turn off power to PC and remove PC cover, then insert the modem card to an available PCI slot, close PC cover and turn on power.

<Step02> When Windows loads, it will detect the new hardware and ask for drivers.

<Step03> Click [Next >]
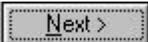
<Step04> Select "Search for the best driver for your device" and click ⬚ Next > .

<Step05> Insert the CD that contains the modem installation software.
Select "Specify alocation", browse and point the path to
CD:\Motorola\Sm56DFV, Then Click ⬚ Next >

<Step06> Click [Next >]

<Step07> Click [Next >]
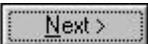
<Step08> The modem install program may display a message box that reports "the file "brazil.hlp" on [Unknown] cannot be found" If this occurs, browse and re-point the path to the modem installation CD-ROM again. Then Click

| OK |

Copying Files... ☒

The file 'brazil.hlp' on (Unknown) cannot be found.

Setup had trouble copying a file. Click OK to try copying the file again. If this message reappears, quit Setup and then try running Setup again.

Copy files from:

F:\Motorola\Sm56DFV ▼

| OK |
| Cancel |
| Skip File |
| Details... |
| Browse... |
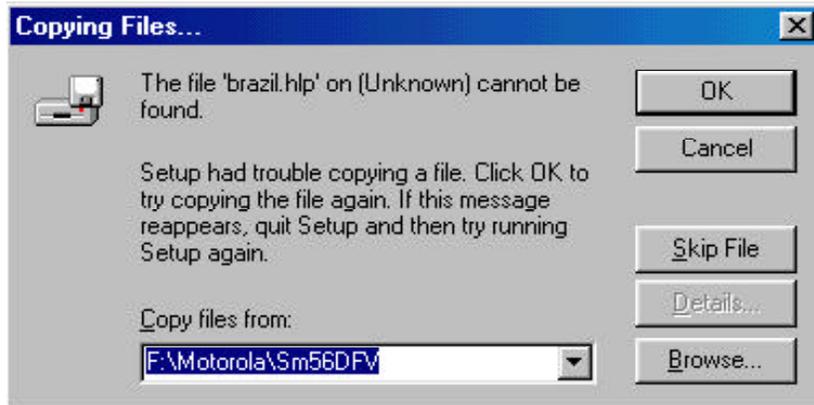
<Step09> Click | Finish | and another device will be found after the modem has been installed.

Add New Hardware Wizard

Motorola SM56 Voice Modem

Windows has finished installing the software that your new hardware device requires.

| < Back | Finish | Cancel |

<Step10> Click [Next >]

<Step11> Select "Search for the best driver for your device", then click [Next >]

<Step12> Select "Specify alocation", browse and re-point the path to CD:\Motorola\Sm56DFV again, Then Click [Next >] .

<Step13> Click [Next >]

\<Step14\> Click [Finish]

\<Step15\> Click [OK]   and   the   modem   installation   will   be   finished.

*Important:

Advance Setting:

When the two devices are installed, the control Panel include. "Motorola SM56 Modem" Icon. In this icon, include the following setting:

1.) A prompt for the country of installation. Select a country from the list that displays. Proper modem operation is guaranteed only if you specify the correct country. The SM56 software has been designed to with country-specific characteristics for dial tone, ringback tone, busy tone, and compansion protocol--μ-Law or A-Law.

2.) A prompt for a language. Select a language from the list that displays.

3.) Microphone and speaker Gain Setting.

Detail USER'S MANUAL

The detail user's manual and AT command, Please refer to the online User's Guide or open the manual.pdf from CD:\Motorola\ (you have to install "Adobe Acrobat Reader" from CD:\Msetup.exe)

Connecting the modem card to a reliable telephone line

Be sure that the telephone system and line condition are in good working order before connecting the modem. Test it by lifting the telephone handset and listening for a clear dial tone.

Next, try placing a couple of call. If the calls cannot go through well or are not loud and clear, you may have a poor quality telephone line, in which case you had better find a good telephone line for your modem. Always remember that a highquality telephone line contributes heavily to reliable data transmission. Also, you will need to know whether the telephone line uses a tone or pulse dialing system. Check with the local telephone company for this information.

There are two phone jacks on the side of your modem with the metal bracket. Two lower jack, which is marked "TO LINE" , should be connected to the wall outlet of a telephone line. Use the modular telephone cable included with your modem for this. If modular cable does not fit, consult your dealer to obtain a correct one.

You may wish to connect a telephone set to the upper jack marked "TO PHONE" so that you can use the phone on the same line, or if you prefer, you may leave the jack unconnected. It is recommended that you connect the modem to direct outside telephone line.

Communication Software Configuration

Most popular communications software packages will work well with your modem. Turn on your computer first, then the modem. Boot the communication software and check the following parameters:

1) The serial port number.
2) The communication speed and protocol.
3) Data format: data bit, stop bit, parity.

Set the serial port number to COM1, COM2, COM3, or COM4 according to which your modem is connected. Note that one port should be assigned to only one device, otherwise, the two devices will conflict with each other.

Chapter 2 Command Line Syntax and Response Code

The modem responds to commands from the DTE and to activity on the line by signalling to the DTE in the form of result codes. The result codes that the modem can send are described below.

Two forms of each result code are available: long-form, an English-like "verbose" response, and short-form, a data-like numeric response (included in parentheses following the long-form). The long-form code is preceded and terminated by the sequence <CR><LF>. The short-from is terminated by <CR>, only with no preceding sequence.

If result messages are suppressed, nothing is returned to the DTE.

```
00  -   OK
01  -   CONNECT
02  -   RING
03  -   NO CARRIER
04  -   ERROR
05  -   CONNECT 1200
06  -   NO DIALTONE
07  -   BUSY
08  -   NO ANSWER
09  -   CONNECT 600
10  -   CONNECT 2400
11  -   CONNECT 4800
12  -   CONNECT 9600
13  -   CONNECT 7200
14  -   CONNECT 12000
15  -   CONNECT 14400
16  -   CONNECT 19200
17  -   CONNECT 38400
18  -   CONNECT 57600
19  -   CONNECT 115200
22  -   CONNECT 75TX/1200RX
23  -   CONNECT 1200TX/75RX
```

```
40    -    CARRIER 300
44    -    CARRIER 1200/75
45    -    CARRIER 75/1200
46    -    CARRIER 1200
47    -    CARRIER 2400
48    -    CARRIER 4800
49    -    CARRIER 7200
50    -    CARRIER 9600
51    -    CARRIER 12000
52    -    CARRIER 14400
53    -    CARRIER 16800
54    -    CARRIER 19200
55    -    CARRIER 21600
56    -    CARRIER 24000
57    -    CARRIER 26400
58    -    CARRIER 28800
59    -    CARRIER 31200
60    -    CARRIER 33600
66    -    COMPRESSION: CLASS 5
67    -    COMPRESSION: V.42 bis
69    -    COMPRESSION: NONE
70    -    PROTOCOL: NONE
77    -    PROTOCOL: LAP-M
80    -    PROTOCOL:  ALT
*150 -    CARRIER 32000
*151 -    CARRIER 34000
*152 -    CARRIER 36000
*153 -    CARRIER 38000
*154 -    CARRIER 40000
*155 -    CARRIER 42000
*156 -    CARRIER 44000
*157 -    CARRIER 46000
*158 -    CARRIER 48000
*159 -    CARRIER 50000
*160 -    CARRIER 52000
*161 -    CARRIER 54000
*162 -    CARRIER 56000
```

Chapter 3 Commands

The modem will respond to the commands detailed below. Parameters applicable to each command are listed with the command description. The defaults shown for each configuration command are those used in the factory profile 0.

Standard "AT" Commands

A/	Re-excute command.
A	Go off-hook and attempt to answer a call.
E0	Turn off command echo.
E1	Turn on command echo.
H0	Initiate a hang-up sequence.
H1	If on-hook, go off-hook and enter command mode.
I 0	"960"
I 1	"000"
I 2	"OK"
I 3	Software Version
I 4	"OK"
I 5	Disconnect Reason
I 6	Country Code
I7	Product Code
L0	Set low speaker volume.
L1	Set low speaker volume.
L2	Set medium speaker volume.
L3	Set high speaker volume.
M0	Turn speaker off.
M1	Turn speaker on during handshaking and turn speaker off while receiving carrier.
M2	Turn speaker on during handshaking and while receiving carrier.

M3	Turn speaker off during dialing and receiving carrier and turn speaker on during answering.
O0	No Retrain
O1	Retrain
O2	Initiate Rate Renegotiation
O3	Rate Renegotiation with silence
P	Force pulse dialing.
Q0	Allow result codes to DTE.
Q1	Inhibit result codes to DTE.
Sn	Select S-Register as default.
Sn?	Return the value of S-Register n.
=v	Set default S-Register to value v.
?	Return the value of default S-Register.
T	Force DTMF dialing.
V0	Report short form (terse) result codes.
V1	Report long form (verbose) result codes.
X0	Report basic call progress result codes, i.e., OK, CONNECT, RING, NO CARRIER (also, for busy, if enabled, and dial tone detected), NO ANSWER and ERROR.
X1	Report basic call progress result codes and connections speeds (OK, CONNECT, RING, NO CARRIER (also, for busy, if enabled, and dial tone not detected), NO ANSWER, CONNECT XXXX, and ERROR.
X2	Report basic call progress result codes and connections speeds, i.e., OK, CONNECT, RING, NO CARRIER (also, for busy, if enabled, and dial tone not detected), NO ANSWER, CONNECT XXXX, and ERROR.
X3	Report basic call progress result codes and connection rate, i.e., OK, CONNECT, RING, NO CARRIER, NO ANSWER, CONNECT XXXX, BUSY and ERROR.
X4	Report all call progress result codes and connection rate, i.e., OK, CONNECT, RING, NO CARRIER, NO ANSWER, CONNECT XXXX, BUSY, NO DIAL TONE and ERROR.
Z	Restore stored profile 0 after warm reset.
&C0	Force RLSD active regardless of the carrier state.
&C1	Allow RLSD to follow the carrier state.

&D0	Ignore DTR
&D1	Enter Command mode when DTR transitions from asserted to de-asserted.
&D2	Disconnect call when DTR transitions from asserted to de-asserted
&D3	Reset modem parameters to default configuration when DTR transitions from asserted-to-de-asserted
&F0	Restore factory configuration 0
&G0	Disable guard tone
&G1	Disable guard tone
&G2	Enable 1800 Hz guard tone
&P0	40 / 60 Make / Break Ratio
&P1	33 / 67 Make / Break Ratio
&P2	38 / 62 Make / Break Ratio
&T0	Terminate any test in progress
&T1	Initiate local analog loopback
&V	Display current configurations
%L	Return received line signal level
\N0	Normal Error - Correction Mode
\N1	Direct Error - Correction Mode
\N4	LAP-M Only
\N6	Reliable
\N7	Auto-Reliable

Chapter 4 Modem's S-registers

Register	Function	Range / unit	Default
S0	Number of Rings to Auto-Answer	0-255 / rings	0
S1	Ring Counter	0-255 / rings	0
S2	Escpae Character	0-255 / decimal	43
S3	Carriage Return Character	0-127 / decimal	13
S4	Line Feed Character	0-127 / decimal	10
S5	Backspace Character	0-127 / ASCII	8
S6	Wait Time for Dial Tone Before Bline Dialing	2-255 / seconds	4
S7	Wait Timer for Carrier after Dial, for Silence, or for Dial Tone after "W" Dial Modifier	0-255 / seconds	60
S8	Pause Time for Dial Delay	0-255 / seconcds	2
S10	Lost Carrier to Hang Up Delay	0-255 / seoncds	14
S11	DTMF Tone Duration	60-255/miliseconds	72
S12	Escpae Code Guard Time	0-255 / seoncds	50
S18	Test Timer	0-255 / seconds	0

Appendix   *A*

Modular Telephone Diagrams

This appendix summaries the modular telephone diagrams, dial pulse and touch-tone specifications.
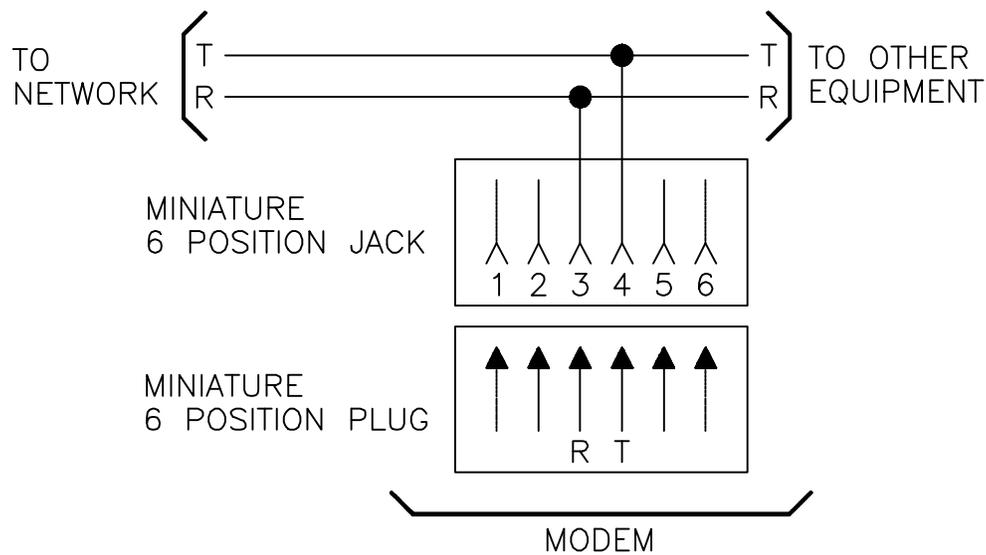
RJ11 Modular telephone diagram
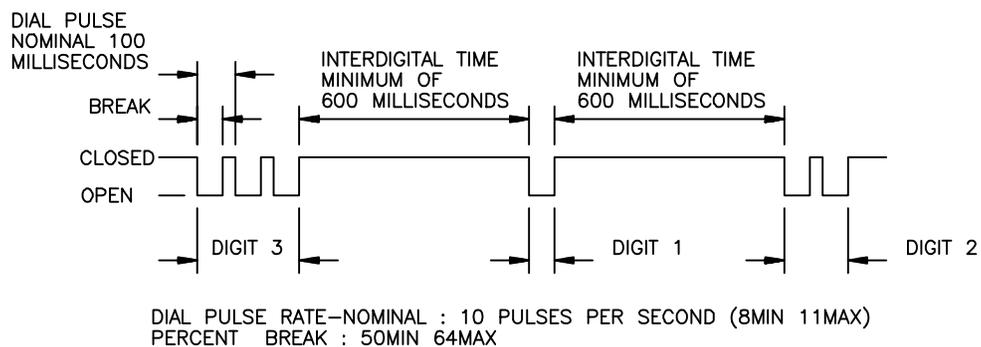
Dial pulse specifications

	North America	Japan	Other area
Break Ratio	61%	67%	67%
Break Length	61ms	67ms	67ms
Dial Pulse Length	100ms	200ms	100ms
Dual Pulse Rate	10pps	20pps	10pps
Interdigit Time	789ms	783ms	783ms

Touch-tone Frequencies

	1209	1336	1477	1633Hz
697	1	2	3	A
770	4	5	6	B
852	7	8	9	C
941Hz	*	0	#	D

Appendix B

ASCII Character Table

The conversion table below lists the complete set of ASCII characters coded for digital processing in binary notation (base 2). They are listed below with their equivalents in decimal notation (base 10) and   hexadecimal notation (base 16).

CODE		DEC	HEX	CODE	DEC	HEX	CODE	DEC	HEX	CODE	DEC	HEX
NUL		0	00	SP	32	20	@	64	40	,	96	60
CTRL	A	1	01	!	33	21	A	65	41	a	97	61
CTRL	B	2	02	"	34	22	B	66	42	b	98	62
CTRL	C	3	03	#	35	23	C	67	43	c	99	63
CTRL	D	4	04	$	36	24	D	68	44	d	100	64
CTRL	E	5	05	%	37	25	E	69	45	e	101	65
CTRL	F	6	06	&	38	26	F	70	46	f	102	66
CTRL	G	7	07	,	39	27	G	71	47	g	103	67
CTRL	H	8	08	(	40	28	H	72	48	h	104	68
CTRL	I	9	09	)	41	29	I	73	49	i	105	69
CTRL	J	10	0A	●	42	2A	J	74	4A	j	106	6A
CTRL	K	11	0B	+	43	2B	K	75	4B	k	107	6B
CTRL	L	12	0C	,	44	2C	L	76	4C	l	108	6C
CTRL	M	13	0D	-	45	2D	M	77	4D	m	109	6D
CTRL	N	14	0E	.	46	2E	N	78	4E	n	110	6E
CTRL	O	15	0F	/	47	2F	O	79	4F	o	111	6F
CTRL	P	16	10	0	48	30	P	80	50	p	112	70
CTRL	Q	17	11	1	49	31	Q	81	51	q	113	71
CTRL	R	18	12	2	50	32	R	82	52	r	114	72
CTRL	S	19	13	3	51	33	S	83	53	s	115	73
CTRL	T	20	14	4	52	34	T	84	54	t	116	74
CTRL	U	21	15	5	53	35	U	85	55	u	117	75
CTRL	V	22	16	6	54	36	V	86	56	v	118	76
CTRL	W	23	17	7	55	37	W	87	57	w	119	77
CTRL	X	24	18	8	56	38	X	88	58	x	120	78
CTRL	Y	25	19	9	57	39	Y	89	59	y	121	79
CTRL	Z	26	1A	:	58	3A	Z	90	5A	z	122	7A
ESC		27	1B	;	59	3B	[	91	5B	}	123	7B
FS		28	1C	<	60	3C	/	92	5C	l	124	7C
GS		29	1D	=	61	3D	]	93	5D	{	125	7D
RS		30	1E	>	62	3E	A	94	5E	~	126	7E
US		31	1F	?	63	3F	-	95	5F	DEL	127	7F

ATTENTION: Carefully Read This Important Document
BEFORE You Open This Package
SOFTWARE LICENSE AGREEMENT
THE FOLLOWING AGREEMENT IS A LEGAL AGREEMENT BETWEEN YOU
(EITHER AN INDIVIDUAL OR ENTITY), AND MOTOROLA, INC. (FOR ITSELF
AND ITS LICENSORS). THE RIGHT TO USE THIS PRODUCT IS SOLD ONLY
ON THE CONDITION THAT YOU AGREE TO THE FOLLOWING LICENSE.
USING THIS PRODUCT CONSTITUTES ACCEPTANCE OF THE TERMS AND
CONDITIONS SET FORTH IN THIS AGREEMENT.

The enclosed computer program(s) ("Software") is licensed, not sold, to you by Motorola,
Inc. ("Motorola") for use only under the terms of this License, and Motorola reserves any
rights not expressly granted to you. You own the disk(s) on which the Software is recorded
or fixed, but Motorola and its licensors retain ownership of the Software itself and its
accompanying written materials, which are protected by the copyright laws
of your country and international treaty provisions.

1.   License. This License allows you to use one copy of the Software on a single
computer at a time. To "use" the Software means that the Software is either loaded in the
temporary memory (e.g., RAM) of a computer or installed on the permanent memory of a
computer (e.g., hard disk). Licensee hereby acknowledges that the licenses granted under
this Agreement may be suspended in some cases if Licensee, Licensee's Customers or End
Users assert an Essential patent for an ITU or prior CITT analog modem
standard against Motorola or a third party.

2.   Restrictions. The Software contains trade secrets in a human or machine
perceivable form and, to protect them, you may not REVERSE ENGINEER, DECOMPILE,
DISASSEMBLE OR OTHERWISE REDUCE THE SOFTWARE TO ANY HUMAN
OR MACHINE PERCEIVABLE FORM. YOU MAY NOT MODIFY, ADAPT,
TRANSLATE, RENT, LEASE, LOAN OR CREATE DERIVATIVE WORKS BASED
UPON THE SOFTWARE OR ANY PART THEREOF.

3.   Termination. This License is effective until terminated. This License will terminate
immediately without notice form Motorola or judicial resolution if you fail to comply with any
provision of this License. Upon such termination you must destroy the Software, all
accompanying written materials and all copies thereof, and Sections 5, 6, 7 and 8 will survive
any termination.

4.   Export Law Assurances. You agree that neither the Software nor any direct
product thereof is being or will be shipped, transferred or re-exported, directly or indirectly,
into any country prohibited by the United States Export Administration Act and the
regulations thereunder or will be used for any purpose prohibited by the Act.

5. Warranty. The Software and written materials are provided "AS IS" and without warranty of any kind. Motorola's entire liability and your sole and exclusive remedy for any breach of the foregoing limited warranty will be, at Motorola's option, replacement of the disk(s) or refund the amount paid for this Software License.

NO OTHER WARRANTY IS PROVIDED BY MOTOROLA, AND MOTOROLA AND ITS LICENSORS EXPRESSLY DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OF IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. MOTOROLA DOES NOT WARRANT THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE SOFTWARE WILL BE CORRECTED. NO ORAL OR WRITTEN REPRESENTATIONS MADE BY MOTOROLA OR AN AGENT THEREOF SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES, THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

6. Limitation of Remedies and Damages. Regardless of whether any remedy set forth herein fails of its essential purpose, in no event shall Motorola or any of the licensors, directors, officers, employees or affiliates of the foregoing be liable to you for any consequential, incidental, indirect, special or similar damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information and the like), whether foreseeable or unforeseeable, arising out of the use or inability to use the Software or accompanying written materials, regardless of the basis of the claim and even if Motorola or a Motorola representative has been advised of the possibility of such damage. Motorola's liability to you for direct damages for any cause whatsoever, and regardless of the basis of the form of the action, will be limited to the price paid for the Software that caused the damages. THIS LIMITATION WILL NOT APPLY IN CASE OF PERSONAL INJURY ONLY WHERE AND TO THE EXTENT THAT APPLICABLE LAW REQUIRES SUCH LIABILITY WITHOUT THIS LIMITATION. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

7. Complete Agreement. This License constitutes the entire agreement between the parties with respect to the use of the Software and related documentation, and supersedes all prior or contemporaneous understandings or agreements, written or oral, regarding such matter. No amendment to or modification of this License will be binding unless in writing and signed by a duly authorized representative of Motorola.

Declaration of CE

This declaration of conformity is according to article 7(3) and article 10(2)
of the Council of European Communities of 3 May 1989.
The protection requirements according the Council Directive article 4
and Annex III are kept.

MODEL / TYPE: Internal Voice / Fax / Modem DM-56V14HSF

This declaration is given from the manufacturer

submitted by

TRAINING RESEARCH CORPORATION
5F,. NO. 571, SEC. 7,
CHUNG HSIAO E. RD., TAIPEI,
TAIWAN, R. O. C.

To the judgement of the products with regard to electromagnetic compatibility
according following regulations:

EN 55 022 Class B
EN 50 082 - 1 (IEC 801 Part 2, 4 / ENV 50140 / ENV 50141)
EN 60950

I hereby declare that the product

MODEL/TYPE: <u>Internal Voice / Fax / Modem DM-56V14HSF</u>

is in conformity with the type as described in EC/German type-examination certificate
- registration no.: A300122K

and satisfies all the technical regulations applicable to the product within the scope of
Council Directives 91/263/EEC and 93/97/EEC:
<u>TBR21</u>

The equipment has been approved to [Commission Decision No. 98/34/EG] for Pan-European single terminal connection to the Public Switched Telephone Network (PSTN).
However, due to differences between the individual PSTNs provided in different countries the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.   In the event of problems, you should contact your equipment supplier in the first instance.