



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

**ARABSOFT™  
SOFTWARE  
FOR THE  
ARAB WORLD**

# SCHOOLEX EDUCATIONAL SERIES ARABIC PROGRAMS

## Basic Mathematics System

Multi-Media Video's Basic Math System introduces a new concept in education for the Middle East. This complete course comes in Arabic language on 12 diskettes and covers grades 1 through 6 in the following areas: Addition, subtraction, multiplication, division, laws of Arithmetic, negative numbers, fractions, decimals and percents.

### Features:

- Each student can practice at his or her own ability level
- Correct answers are immediately acknowledged as correct
- Mistakes are pointed out and the student is encouraged to try again
- Allows the teacher to spend more time on creative presentation of math concepts and more time for face-to-face work with students who need extra attention
- Assists the teacher in evaluating his students
- Offers progress reports on each student as often as required, pinpoints areas of difficulty for each individual student and suggests ways of solving problem

### Minimum hardware requirements:

- ARAPPLE, 48K
- Disk II with controller
- Monitor (color recommended)
- Arabprint 60 line printer (optional)



## The Arab World/Information Diskette

A program especially designed for the Arab countries. It contains information about the Middle East as a whole and offers individual programs for each country.

### Features:

Information about the Middle East includes:

- Map
- Population
- Flag of Arab League
- Flag of United Nations

Information about each country includes:

- Capital and major cities
- Population
- Flag
- Important industries
- Main crops
- Country's map

### Minimum hardware requirements:

- ARAPPLE, 48K
- Disk II with controller
- Monitor (color recommended)

# SCHOOLEX EDUCATIONAL SERIES ENGLISH PROGRAMS

## Advanced Mathematical Routines

This package is designed to provide mathematical tools for research, operations management and business.

### Features:

- Linear regression
  - Performs single/multiple regressions, splines, and graphs
  - Data files can be created and manipulated
- Plotting
  - Plots any function in high-resolution graphics over any area
  - Solves "point onset mappings" problems
  - High resolution character generator for labelling
- Matrix Arithmetic
  - Addition, subtraction, multiplication and division
  - File of matrices can be created

- Numerical calculus
  - Derivatives, integrals, roots and interpolation
- Differential equations
  - Solves systems of up to 10 equations
  - Graphic representation in 2 and 3 dimensions
  - Maintains problem files
- Optimization
  - Linear, non-linear and dynamic programming
  - Solves both primal and dual problems

### Minimum hardware requirements:

- Apple II Plus, 48K
- Disk II with controller
- Monitor

## Statistical Analysis System

An interactive statistical program for business and education.

### Features:

- Interactive computation of statistical procedures with menu prompting for command options and data
- A standard data format for all tests and operations facilities manipulations. Data is stored in named variables
- Computes
  - Average-standard deviation
  - Median
  - Confidence intervals of means
  - Student t-Test (one and two samples)
  - Mann-Whitney U-Test (Wilcoxon rank-sum)
  - CHI-Square contingency tables

- Regression (trend line)
- Correlation
- Analysis of variance (one and two way)
- Poisson probabilities
- Binomial probabilities
- Stores and retrieves data from disk in a simple format that other programs can use and generate

### Minimum hardware requirements:

- Apple Plus, 48K
- Disk II with controller
- Monitor
- Line printer (optional)

## Milliken Medical Seminars

This system consists of a series of computer-based medical seminars which simulate a conversation between the user and a physician/author in different fields of medicine.

The system is easy to use, interesting to work with and designed to meet each physician's, medical student's and medical scientist's professional needs. Seminars are available in General Medicine, Surgery, Family Medicine, Psychiatry, Urology and many more. There are 110 diskettes available at this time.

### Features:

- Each seminar lasts 30 to 45 minutes and presents a highly interactive and individualized conversation between the user and the physician/author.

- The physician/author will ask instructive questions and present patient management problems, and the user answers via the computer keyboard.
- The correct response is then being displayed on the screen.
- Seminars are programmed and stored on diskettes.

### Minimum hardware requirements:

- Apple II/Integer Basic
- Disk II with controller
- Monitor



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

**ARABSOFT™  
SOFTWARE  
FOR THE  
ARAB WORLD**

# VIDEOMAX GAME SERIES ARABIC PROGRAMS

Designed for home entertainment and fun - for the whole family. All **Videomax** games are designed with special consideration for Multi-Media Video's customers in the Arab world.

**Videomax** games challenge, teach and entertain. They are all in Arabic language and come with complete instructions on how to play each game. Multi-Media Video's **Videomax** games series comes in 3 different versions.

### I. Videomax, Version 0.01

16 different games on 4 diskettes

- A. Horoscope, Artillery, Dice, Dragon Maze
- B. Nations & Capitals, Towers of Hanoi, Master Mind, Color Math

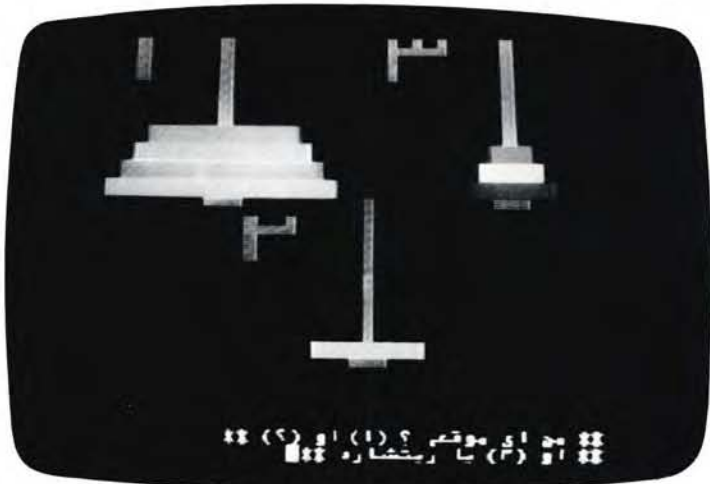
- C. Concentration, Piano, Guess, Sink the Ship
- D. Africa, Intercept, 23 bricks, Cowboys

### II. Videomax, Version 0.02

The same 16 games on cassettes (one game per cassette)

### III. Videomax, Version 0.03

With voice input, using the Arabic Speechlink & microphone. 3 different games on a diskette. The commands for playing the game are given to the computer via microphone, instead of typing them on the keyboard. The games available are: Towers of Hanoi, Dragon Maze, Master Mind.



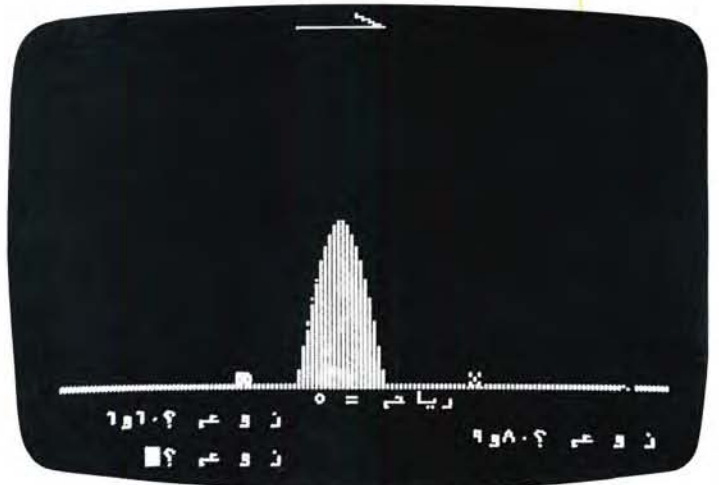
Towers of Hanoi



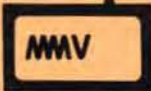
Color Math



Nations & Capitals



Artillery



# MULTI-MEDIA VIDEO INC.

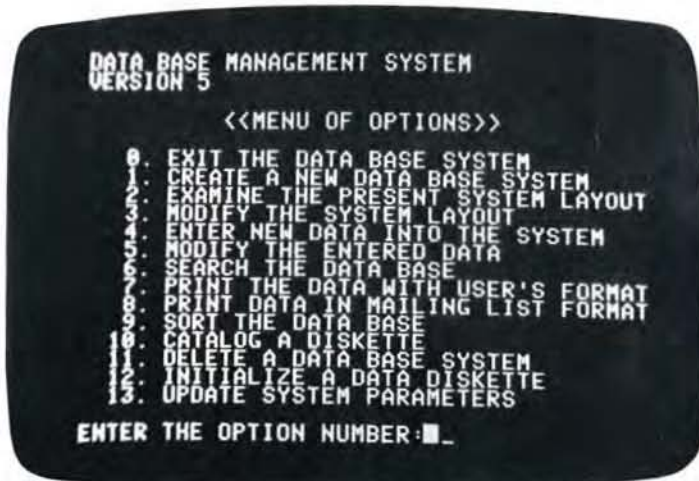
## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

**ARABSOFT™  
SOFTWARE  
FOR THE  
ARAB WORLD**

# BUSINEX II SERIES ENGLISH PROGRAMS FOR BUSINESS APPLICATIONS

## Data Base Management System



This DBM System can be used for all data management needs and offers the perfect solution for all record keeping problems. It will give you control over any type of information which lends itself to "row and column" storage, retrieval and analysis. It has more file and record storage capacity than any other Data Base Management Program on the market. For storing inventories, customer lists, accounts receivable, accounts payable, patient histories, and any other records.

### Features:

- You create your own filing systems according to your requirements.
- You specify the number and names of each data field without any programming.
- With the system keeping all of your records, you only have to learn to use **one** system.
- With plenty of instructions to help you create files and add, up-date, scan, inspect, delete, sort, condense and print data.

## Desktop/Plan System

The Desktop/Plan System is designed to assist users in evaluating business plans and proposals through the development of financial "models" of business systems.

The Desktop/Plan is the software tool that makes it practical to develop your own customized:

- Strategic Plan Analysis
- Budget Planning System
- Cashflow Planning
- Sales Forecasting
- Financial Report Preparation
- Product Pricing Analysis
- Profit and Loss Projections
- Manpower Requirements Planning

### Features:

- Reports
  - Multiple report formats
  - Multiple copies
- Standard calculations provided
  - Data generation
  - Line arithmetic
  - Column arithmetic



- Model changes
  - Data
  - Report formats
  - Calculations
- Ease of use
  - No prior computer knowledge required
  - Totally interactive

# Cash Register System

This is the most up-to-date inventory control and cash register system on the market.

## Features:

- Convenient, error-free method of keeping track of inventory
- Reorder points

- Order processing
- Customer names and numbers
- Customer addresses
- Accurate processing of sales transactions
- Creation of customer invoices

# Visicalc - Problem Solving System

This new system is the most powerful and easy to use projection tool ever developed. It helps to plan budgets, compare actual results to budgeted forecasts, and to modify projections faster than ever before.

Visicalc adapts itself to any numerical problem you may have. You enter numbers, alphabetic titles and formulas on your computer keyboard, and Visicalc organizes and displays this information on the screen. And if you are not satisfied with what you see, you can use Visicalc's powerful re-calculation feature.

# Micro-Inventory System

An inventory package specially designed for small businesses. Easy to use. No specialized knowledge of computers required. Anyone can readily create and maintain a small company's inventory records in accordance with normal business practices.

## Features:

- Handles up to 1,200 inventory items (more with multiple disk drives)
- Uses your code (up to 9 letters and/or numbers) to identify each inventory item
- Uses a stocking level on each item set by you
- Has interactive data entry and editing routines
- Incorporates extensive error detection and prevention measures
- Retrieves individual item records in seconds
- Has easily modifiable item descriptions, prices, costs, stocking levels, and similar information

- Prepares complete reports (for all inventory items or just those you choose):
  - All items on file
  - All items on hand
  - All items on order
  - Items at or below restocking level
  - Month-to-date sales
  - Year-to-date sales

## Minimum hardware requirements for all systems:

- Apple II Plus or APPLE, 48K
- Disk II with controller
- Monitor
- Line printer (optional)



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

**ARABSOFT™**  
**SOFTWARE**  
**FOR THE**  
**ARAB WORLD**

## BUSINEX II SERIES

# ARABIC/ENGLISH PROGRAMS

# FOR BUSINESS APPLICATIONS

## Businex II/Accounting System

Multi-Media Video's bookkeeping solution for the ARAPPLE computer. These software packages are especially designed for use in the Arab world. The Accounting Package provides big system capabilities at an affordable price. Simple data entry procedures and complete bi-lingual documentation eliminate costly staff training. Professionally approved design keeps any firm's financial records in an accurate and timely fashion.

### Features:

- Bi-lingual Arabic/English
- Interactive data entry and editing routines
- Extensive error detection and prevention measures
  - Rejection of invalid account numbers
  - Automatic instructions to enter data for corresponding accounts
- Complete reports
  - Daily detail and summary journals
  - Chart of accounts
  - Historical activity reports by account number



## Businex II/Inventory System



Especially designed for small to medium size businesses, for use with the ARAPPLE computer. No prior computer knowledge required.

### Features:

- Bi-lingual Arabic/English
- Basic system handles up to 1200 items
- Extended system, with additional diskettes, can handle up to 72,000 items
- Uses your own code to identify each item
- Uses stocking level for each item
- Has interactive data entry and editing routines
- Extensive error detection and prevention measures
- Retrieves individual item records in seconds
- Has easily modifiable item descriptions, stocking levels, etc.
- Prepares complete reports

# Businex II/Business Scheduling System

A microcomputer-based Appointments Control package for the businessman in the Middle East. A new way of maintaining any business schedule accurately and efficiently.

## Features:

- Bi-lingual Arabic/English
- Appointments recorded by name, time, date, etc.
- Interactive data entry and editing routines
- Extensive error detection and prevention measures
- Ability to modify any schedule at any time

- Complete reports
  - Send messages to participants of a meeting
  - Send printed minutes of a meeting (report)

## Minimum hardware requirements for BUSINEX II Arabic/English systems:

- ARAPPLE, 48K
- Dual disk drive with controller
- Monitor
- Arabprint 60 line printer



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara, CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

## COMPUTER TECHNOLOGY FOR THE ARAB WORLD

# ARABIC/ENGLISH VIDEO DICTIONARY



Multi-Media Video, Inc., introduces a new peripheral product to be used with the ARAPPLE computer. The Arabic/English Video Dictionary firmware translates any word from English to Arabic or vice versa.

#### Features:

- Easily switchable between Arabic and English
- Keeps track of individual progress
- Facility to create different vocabulary files at any time, as needed

#### Minimum hardware requirements:

- ARAPPLE, 48K
- Disk II with controller
- Monitor

# ARABIC SPEECHLINK

Multi Media Video, Inc., introduces the Graphic Tablet for use with the ARAPPLE or Apple II Plus computer. Designed for business people, educators, scientists and artists.

This new peripheral device transfers a graphic concept, whether drawn freehand or traced, to become instantly displayed on the system monitor, and can be stored on the disk for later retrieval and/or modification. This new device has unlimited applications; for the creation of schematics, mechanical shapes, logic diagrams, business charts, architectural drawings, etc. — all exposable in 6 high resolution colors.

#### Features:

- Consists of a 15 x 15 inch mylar overlay tablet (11 x 11 inch active surface area), a stylus, a single card interface and diskette software.

#### Minimum hardware requirements:

- ARAPPLE or Apple II Plus, 48K
- Disk II with controller
- Monitor
- Line printer (optional)

# ARABIC/ENGLISH GRAPHIC TABLET

Multi-Media Video's Arabic Speechlink is an inexpensive and easy-to-use voice data input device developed for use with the ARAPPLE computer. It is a peripheral card and comes complete with a microphone for data entry by voice. The Arabic Speechlink is a new and exciting way of communicating with the ARAPPLE computer.

#### Features:

- Maximal recognition of a vocabulary of 64 different words
- Each customer chooses the 64-word vocabulary he wants the computer to recognize, and programs the ARAPPLE by entering the selected words via microphone for future voice recognition

- Each word (or short phrase) entered can take up to 1.5 seconds
- A period of silence longer than 0.1 seconds signals to the computer the end of the word

#### Minimum hardware requirements:

- ARAPPLE, 48K
- Disk II with controller
- Monitor



# ARABIC/ENGLISH AUDIO-VISUAL SYSTEM

An Arabic/English teaching and pronunciation improvement system especially designed for Arab speaking countries. Designed for easy use. No prior knowledge of computers required. System can easily be added to the ARAPPLE computer.

## Features:

- Facility to repeat any given phrase as many times as required
- Facility to pronounce each displayed phrase and to hear actual pronunciation as many times as needed to correct pronunciation
- Can be used to learn any language such as English, French, German and Spanish

## Minimum hardware requirements:

- ARAPPLE, 48K
- Disk II with controller
- Monitor





# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara, CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

## COMPUTER TECHNOLOGY FOR THE ARAB WORLD

# ARABPRINT 60

The **Arabprint 60** is designed to meet the Arab World's need for a user-oriented, bi-lingual Arabic/English serial printer.



The **Arabprint 60** printers are incremental serial terminals which sustain 300 baud transmission. The printer is a receive only device capable of accepting data from a CPU or other transmitting terminals.

The **Arabprint 60** models utilize intelligent bi-directional printing whenever received line lengths or transmission rates allow look-ahead viewing of buffered data. This increases the throughput by eliminating the need for time consuming carriage returns. The electronics for the **Arabprint 60** models are contained on a single logic board which employs the latest state-of-the-art microprocessor technology. The tractor feed allows printing of 132 columns at 10 characters per inch on paper up to 439 mm/17.3" wide.

The model **Arabprint 60** printers may be used as input/output computer consoles, remote terminals in message switching, inquiry response and data entry/logging systems, and in on-line timesharing systems.

## Special Features

- Software controlled language selection (Arabic/English)
- Both languages, Arabic and English, can be printed on the same line
- Choice of character size for both Arabic and English characters (2 options)

## Standard Features

- 300 BPS sustained serial transmission
- 60 character per second printing
- Bi-directional and incremental printing
- 7 x 7 impact dot matrix in the English mode, and 9 x variable width impact dot matrix in the Arabic mode
- RS-232C/CCITT V.24 or DC current loop interface
- 80 characters per line
- Tractor feed
- Immediate viewing of typed/printed data
- Self test
- Automatic motor control
- Ribbon cartridge
- Baud rate selection (110/300/1200BPS)
- Column scale
- Prints original and 4 copies
- Single character and full line elongation
- Audio alarm
- Single/double line feed (switch selectable)
- Auto line feed on carriage return (switch selectable)
- Tractors with rear or bottom feed with paper out sensing
- 2 channel VFU
- Horizontal tabulation
- Extended buffering - 2084 characters
- 132 characters per line
- 10 or 15 characters per inch
- Adjustable volume for auto alarm
- Front feed

## Standard Specifications

- **Printing Method**  
Impact, character by character, incremental/bi-directional, logic seeking
- **Character Code**  
64 character ASCII and 64 character Arabic character set
- **Character Structure**  
7 x 7 dot matrix (English) and 9 x variable width dot matrix (Arabic)

## MULTI-MEDIA VIDEO

## مالتى ميديا فيديو

PRESENTS ITS UNIQUE BILINGUAL LINE PRINTER

تقدم اول وحدة طباعة من نوعها تطبع باللغتين

PRINTS BOTH ARABIC & ENGLISH ON THE SAME LINE

العربية والانجليزية فى نفس الوقت

والشركة تستخدم هذه الوحدة فى نظام بيزنيس < BUSINEX II > اول نظام الى متكامل من نوعه باللغتين الانجليزية والعربية

لرجال الاعمال+ للاستعلامات رجا الاتصال بالشركة وعنوانها

### MULTI-MEDIA VIDEO, INC.

3350 SCOTT BLVD., BLDG 21  
SANTA CLARA, CALIF. 95051  
U. S. A.  
TEL : (408) 727-1733  
TLX : 171577 MMV USA

- **Paper**  
Continuous forms
- **Number of Copies**  
Original plus four copies
- **Slew**  
43 lines per second (5.5ips)
- **Format**  
10 characters per inch horizontal, 6 lines per inch vertical
- **Interface**  
RS 232, asynchronous, start-stop, serial-by-bit, serial-by-character, incl. 110, 300, 1200 baud
- **Electrical Requirements**  
115/230 VAC  $\pm$  10%, 50/60 Hz
- **Dimensions**  
178 mm/7" high; 425 mm/26" deep; 622 mm/24.5" wide
- **Weight**  
29kg/63 lbs
- **Temperature**  
Operating: 4.4° to 37.7° C/40° to 100° F  
Storage : -40° to 73° C/-40° to 160° F
- **Humidity**  
Operating: 20% to 90% (no condensation)  
Storage : 5% to 95% (no condensation)



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara, CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

## COMPUTER TECHNOLOGY FOR THE ARAB WORLD

# ARAPPLE

Multi-Media Video's ARAPPLE is the world's first real Arabic microcomputer. It's design is based on the Apple II computer and has two (2) modes of operation: English and Arabic. The ARAPPLE is fast, small and powerful.

### Built-in Features:

- BASIC – The language that makes programming fun
- Fifteen-color standard graphics (in an 1,880-point array) for spectacular visual effects
- High-resolution graphics (in a 54,000-point array) for finely-detailed displays
- Loudspeaker and sound capability that brings program to life
- Internal memory capacity of 48K bytes of RAM, 12K bytes of ROM; for big-system performance in a small package
- Eight accessory expansion slots

The ARAPPLE is a complete, self-contained, ready-to-use computer based on the 6502 microprocessor. Standard features include BASIC, assembler, disassembler, and monitor in ROM; color graphics, sockets for up to 48K bytes RAM, cassette interface, Apple game I/O connector, typewriter-style ASCII keyboard, high-efficiency switching power supply and rugged structural foam case. Also included as standard are: demonstration cassette tapes, two game controls, and detailed Reference and BASIC Programming manuals.

### Video Display

ARAPPLE's video circuitry displays memory as text, color graphics, or high resolution graphics – software selectable. Both graphics modes can be selected to include 4 lines of text at the bottom of the display area. In either graphics mode the user can select (under software control) one of two memory pages to be displayed.

The ARAPPLE comes in two versions: EURO (220V/50Hz, PAL color compatible); and U.S. (110V/60Hz, NTSC color compatible).

### Text:

- 40 characters/line, 24 lines
- 5 x 7 upper-case characters
- Normal, inverse or flashing characters
- Extensive display control software in ROM
- Full cursor control
- Fast display – 1000 cps

In the Arabic language some letters take different shapes depending on their position in the word. ARAPPLE takes care of that. There is only one key for each letter and the computer will figure out the proper shape.

### Color Graphics:

- 40h x 48v resolution (40h x 40v with 4 lines text)
- 15 colors - colors generated digitally
- BASIC commands to use graphics easily



### High Resolution Graphics:

- 280h x 192v resolution (or 280v x 160v with 4 lines text) 4 colors – black, white, violet, green
- Displays 8K bytes (16K RAM system recommended)

### Memory

RAM is organized into 3 increments. Each increment is 16K bytes (using advanced 16K chips). Memory may be easily expanded by inserting an additional increment of chips. Up to 48K bytes of RAM can be contained on the single board.

12K bytes of ROM (supplied) store APPLESOFT Basic (10K) and a powerful system monitor (2K); and 12K bytes of PROM (supplied) store ARABSOFT Basic (10K) and a powerful Arabic system monitor (2K).

Up to 48K bytes on-board RAM – no peripheral memory boards. Unique automatic RAM refresh system, completely transparent.

### I/O

APPLE II includes as standard an ASCII keyboard, audio cassette interface, 8 peripheral board connectors, speaker, game I/O connector and two game controls.

- Reliable, typewriter-style keyboard
- Fast cassette interface – 1500 bps
- Peripheral board connectors
  - Fully buffered, with interrupt and DMA priority structure
- GAME I/O—4 paddle inputs, 3 TTL inputs and 4 TTL outputs

### BASIC

Applesoft II: Extended, floating-point Basic. Arabsoft: Arabic floating-point Basic.

The difference between Arabsoft and Applesoft BASIC is, as follows:

- All the operating commands (LOAD, RUN, TRACE, NO-TRACE, CONT) are translated into Arabic.
- All the error messages (e.g., SYNTAX ERROR, NEXT WITHOUT FOR, BAD SUBSCRIPT, . . .) are translated into Arabic.
- Numbers are input right to left. For example, 351 is entered by typing 1, followed by 5, followed by 3.
- All the other Applesoft BASIC commands are kept the same.

### Monitor

- 2K byte ROM monitor for English
- 2K byte PROM monitor for Arabic
- Screen control (intelligent display routines). Full cursor control

- Scrolling window adjustable (protected screen feature)
- Software simulated single-step and trace modes
- Disassembler and single-pass assembler
- Input/Output device assignment
- Editing on keyboard entry
- Floating-point package
- Breakpoint handling
- Register examine/modify
- Read/Write cassette routines
- Inverse/Normal/Flashing video selection
- Hex add/subtract for relative branch calculations

**Interface:** RS 232, ASCII parallel and DC current loop interface.

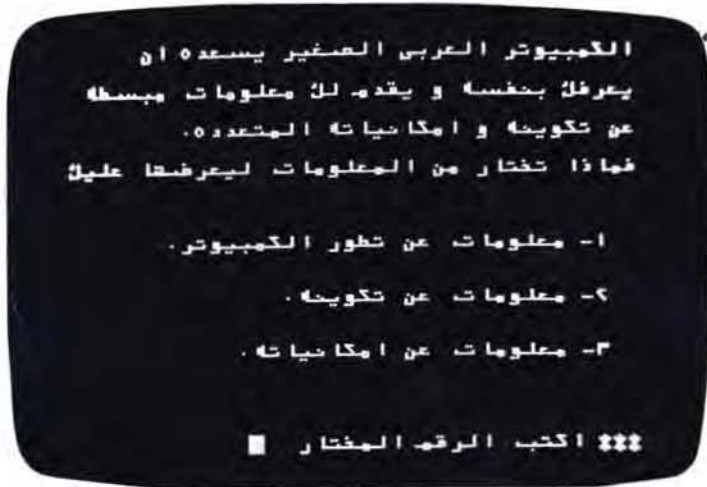
**Electrical Requirements:** 110V/50Hz (Option 220V/50Hz)

**Dimensions:** 11.3 cm high, 38.7 cm wide, 45.7 cm deep

**Weight:** 11 lbs (without packaging and accessories)

## Arabsoft™ Series

# Arapple Capabilities Demo Diskette



A demonstration diskette designed primarily to introduce the concept of computers to the users in the Arab world. Simple to use. The diskette shows the capabilities of the Arabic/English ARAPPLE computer and provides some information about the user's country.

Available are the following countries:

- Algeria
- Bahrain
- Iraq
- Kuwait
- Libya
- Qatar
- Saudi Arabia
- Tunisia
- United Arab Emirates

and more to come.



# MULTI-MEDIA VIDEO INC.

## Computer Systems Division

3350 Scott Boulevard, Bldg. 21 • Santa Clara, CA 95051 U.S.A.  
(408) 727-1733 • Telex 171-577 MMV USA

**COMPUTER TECHNOLOGY  
FOR THE  
ARAB WORLD**

## ARABPRINT 165™

### Bilingual Arabic/English Line Printer

#### UNIQUE FEATURES

- Only one ASCII code for each character; no user-supplied overhead software required to change a character with its position in a word.
- ASCII code for Arabic characters in the order of the Arabic alphabet.
- Compatible with any computer; totally machine independent.
- Shows exactly what the Arabic characters programmed for display on an output device will look like; no intermediate translation required of the operator.

Multi-Media Video offers a bilingual high-speed printer to the Arab computer user. Two different modes of operation make the ARABPRINT 165 a versatile machine. This single unit performs as a high-speed line printer, and as a high resolution graphics printer. In addition, it prints in Arabic, English, or both on the same line.

#### More Than An Ordinary Line Printer

The ARABPRINT 165 brings hard-copy versatility to the Arab computer system. In its high speed mode, the device prints up to 165 characters per second. Large business reports, or pages of tabulated scientific data are listed in seconds. Users have more time to work with and analyze data, instead of waiting to receive their output.



In the graphics mode, this printer provides high resolution: 60 x 72 dots per inch. Extraordinary graphics, fine details, and variable shading can be accomplished with this system. Graphics, charts, and maps that communicate ideas effectively can be generated.

#### Controls:

- Lighted "Power On" switch.
- FORMS Override allows printing to bottom of last form after the "out of paper" switch has been activated.
- Vertical Format Control — hardware programmable forms length, 1 to 99 lines.
- ADJUST UP, ADJUST DOWN provides vertical forms positioning, and sets Top of Form.
- LINE FEED advances the paper at the slew rate.
- FORM FEED advances the paper to next Top of Form.
- ON-LINE, OFF-LINE.

Functional with optional controller card only:

- RESET reinitializes the controller card.
- SELECT-De-Select with LED indicator.
- TEST causes the printer to go into a self-test mode printing a rotating character pattern.

#### SPECIFICATIONS

- Full Arabic/English character sets supplied.
- High speed printing: 165 cps full logic bi-directional.
- Adjustable tractor feed (3"-15" forms width).
- Paper feeds from front or bottom center.
- User adjustable platen.
- Forms length selectable from 1 to 99 lines, 10 ips slew rate.
- Auto-reversing, re-inking ribbon; 1" x 16 yd. nylon fabric.
- LSI Hydra Ballistic™ printhead, 9 wire, 10 x 9 matrix.
- Line spacing: 6 or 8 lines per inch.
- Power save circuitry turns off the fan and motors shortly after printing stops and re-energizes them as new characters are received, reducing noise and power consumption.

#### Accessories and Supplies:

- 8 foot interface cable for S-100 I/O card.
- 8 foot interface cable, connector at one end only.
- Printer stand with casters.
- Ribbon replacement packages.

#### Software Routines:

- Full 96 ASCII character set, lower case with descenders.
- Expanded characters (double width).
- Programmable vertical and high speed horizontal tabs.
- Selectable left margin.
- Complete dot control graphics (60 x 72 dots/inch).

## Interfaces:

- Standard — requires three 8-bit parallel ports with the software control from the host computer.
- Intelligent Controller including both Serial RS-232C/ASCII Parallel interface (option).
- S-100 bus I/O card with memory (option).
- Apple Computer I/O card (allows HI-RES screen dump) (option).

## Power Requirements:

- Voltage 100/120/220/240 VAC
- Frequency 47-63 Hz

## Environmental:

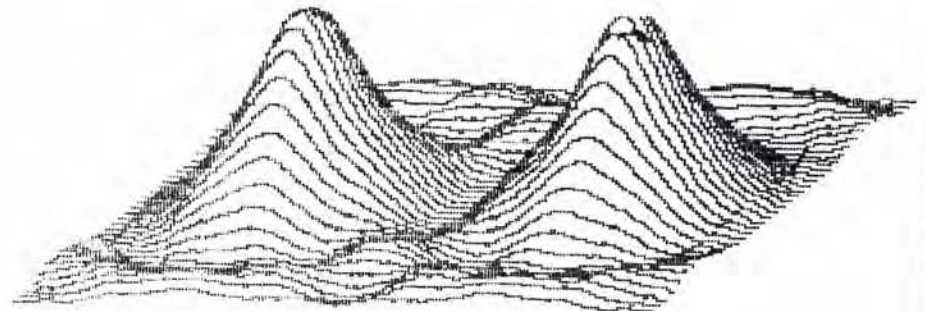
- Operating Temperature 5° to 40° C (37° to 104° F)
- Operating Humidity 5% to 90% (non-condensing)

## Physical:

- Height 9.25 inches 23 cm
- Width 27.5 inches 60 cm
- Depth 19.0 inches 47 cm
- Weight 48 pounds 22 kg

## MMV Arabic ASCII Code Chart

CODE		CHAR	CODE		CHAR	CODE		CHAR
HEX	DECML		HEX	DECML		HEX	DECML	
20	32	Space	36	54	٦	4C	76	
21	33	!	37	55	٧	4D	77	
22	34	"	38	56	٨	4E	78	
23	35	+	39	57	٩	4F	79	
24	36	X	3A	58		50	80	
25	37	%	3B	59	!	51	81	
26	38	.	3C	60	<	52	82	
27	39	-	3D	61	=	53	83	
28	40	()	3E	62	>	54	84	
29	41	)	3F	63	٤	55	85	
2A	42	*	40	64	@	56	86	
2B	43	+	41	65	١	57	87	
2C	44	+	42	66	٢	58	88	
2D	45	-	43	67	٣	59	89	
2E	46	.	44	68	٤	5A	90	
2F	47	/	45	69	٥	5B	91	
30	48	٠	46	70	٦	5C	92	
31	49	١	47	71	٧	5D	93	
32	50	٢	48	72	٨	5E	94	
33	51	٣	49	73	٩	5F	95	
34	52	٤	4A	74	٠	60	96	
35	53	٥	4B	75	١			



Graphics Capability

```
*****
*                               *
*   MULTI-MEDIA VIDEO, INC.   *
*                               *
*****
```

```
*****
*                               *
*   تعلن شركة مالتى ميديا فيديو *
*                               *
*****
```

INTRODUCES ITS COMPLETE BILINGUAL ARABIC/ENGLISH LINE PRINTER. THE PRINTER WRITES ENGLISH, LEFT TO RIGHT, AND ARABIC, RIGHT TO LEFT, ON THE SAME LINE, AS ILLUSTRATED HERE. IN ADDITION, ARABIC CAN BE INSERTED IN ENGLISH MODE AND U. U. MOREOVER, THE PRINTER DETERMINES THE PROPER SHAPE OF AN ARABIC CHARACTER FROM ITS POSITION IN THE WORD.

عن وحدة الطباعة العربية/الانجليزية الكاملة الفريدة في نوعها. تطبع العربي والانجليزي في نفس السطر، كل على حدة، كما هو مبين في هذه المجموعة من السطور. AND U. U. ويمكن طباعة العربي والانجليزي سويا. INSERTED ENGLISH اي متداخلين في نفس السطر. MOREOVER, THE PRINTER DETERMINES THE PROPER SHAPE OF AN ARABIC CHARACTER FROM ITS POSITION IN THE WORD.

وتقوم وحدة الطباعة بتحديد الشكل الصحيح للحرف العربي حسب موقعه في الكلمة.

FOR MORE INFORMATION PLEASE CONTACT MMV MAIN OFFICE :

رجاء الاتصال بالشركة للرد على اي استفسار وذلك بالعنوان التالي:

MULTI-MEDIA VIDEO, INC.  
3350 Scott Blvd, Bldg. 21  
Santa Clara, California 95051  
U. S. A.  
Tel. (408) 727-1733  
Tlx. 171577