RAS*MAX 1.0
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PRINTERS

RAS*MAX SUPPORTS THE TANDY CGP-220 PRINTER, TANDY DMP-240 COLOR PRINTER
THE STAR NX1000 RAINBOW AND OTHER EPSON COMPATABLE COLOR PRINTERS.
FOR PRINTING ON THE EPSON COMPATABLES THEY MUST BE SET FOR THE EPSON
COMPATABLE MODE AND THE AUTO-LINEFEED MUST BE OFF. PLEASE REFER TO YOUR
TO YOUR PRINTER MANUAL ON HOW TO SET YOUR PRINTER. PRINT TIMES VARY FROM
ABOUT 5 MINUTES TO 22 MINUTES DEPENDING ON MODE, PICTURE AND PRINTER.
RAS*MAX SUPPORTS BOTH BLACK & WHITE AND COLOR PRINTING ON THE EPSON
COMPATABLE PRINTERS. THE CGP-220 ONLY PRINTS 4096 AND 16 COLOR RASCAN
PICTURES.NINE PIN PRINTERS YIELD THE MOST ACCURATE SHAPED PRINTOUTS.

INTRO

RAS*MAX USES A TRUE RGB TO CMY COLOR CONVERSION METHOD LIKE STAR*MAX
AND CGP*MAX. THIS GIVES YOU REAL WHAT-YOU-SEE-IS-WHAT-YOU-GET COLORS.
THE 4096 MODE COLOR PICTURES CAN BE PRINTED IN BOTH NORMAL & MIRROR
PRINTS. THE MIRROR PRINTS CAN BE USED WITH A SPECIAL HEAT-TRANSFER
RIBBON FOR PROPER TRANSFER TO T-SHIRTS. ANOTHER ADVANTAGE OF THE RGB TO
CMY CONVERSION IS THAT THE BLACK OF THE RIBBON IS NOT USED FOR GRAPHICS
PRINTING RESULTING IN GREATER USE OUT OF A COLOR RIBBON. 16 COLOR RASCAN
PICTURES MAY BE COLOR EDITED BEFORE PRINTING IF YOU WANT. THE 4096 MODE
COLOR PICTURES CAN NOT BE EDITED FOR COLOR. THE FILES WITH A 'BAS' EXT.
ARE THE PROGRAMS TO BE 'RUN'. THE SAME PROGRAM WITH THE 'BIN' EXTENSION
IS THE PRINTER DRIVER & ARE STAND-ALONE OR LINKED BY THE BASIC DRIVER.

BEFORE RUNNING

BEFORE USING RAS*MAX MAKE A BACKUP COPY OF RAS*MAX. IF YOU ARE USING A
CGP-220 PRINTER YOU MAY KILL THE FILES STARTING WITH "EPSN" AND IF YOU
ARE USING A EPSON COMPATABLE PRINTER SUCH AS THE NX1000, DMP-240 ETC
YOU MAY KILL THE FILES STARTING WITH "CGP". ONLY DO THIS TO YOUR WORKING
COPY. IF YOU HAVE BOTH OF THESE TYPE PRINTERS YOU MAY WANT TO MAKE A
SEPERATE WORKING DISK FOR EACH PRINTER. THE "IMG*LOAD", "IMG+LOAD" AND
"WORKFILE/CLR" ARE USED BY BOTH CGP AND EPSON PRINTER DRIVERS. YOU MAY
ALSO FIND IT EASIER IF YOU COPY THE PICTURE TO BE PRINTED, TO THIS DISK.

CGP-220

THE CGP-220 SHOULD BE SET FOR 2400 BAUD IF YOU ARE USING THE SERIAL
PORT ON THE PRINTER. THE PRINT HEAD SHOULD BE CLEAN AND ROLL PAPER
SHOULD BE USED FOR PRINTING OF 4096 MODE RASCAN PICTURES.

EPSON PRINTERS

YOUR EPSON COMPATABLE PRINTER SHOULD BE SET FOR 4800 BAUD PRINTING. THE
AUTO-LINEFEED MUST BE OFF!! GRAPHICS PRINTING WILL NOT WORK PROPERLY
WITH THE AUTO-LINEFEED ON. ON THE STAR NX1000 JUST SET ALL THE DIP
SWITCHES TO EPSON MODE. FOR USE ON THE COCO YOU WILL HAVE DIP SWITCH
#1-8 IN THE IBM MODE FOR AUTO-LINEFEED ON FOR TEXT PRINTING. ON THE
TANDY DMP-240 & CITIZEN GSX-140 YOU MUST MAKE THE SETTINGS USING THE
FRONT PANEL SETUP. PLEASE CONSULT YOUR PRINTER MANUAL FOR INSTRUCTIONS.

4096 NORMAL

HAVE THE PRINTER SET AND READY FOR GRAPHICS PRINTING BEFORE YOU RUN
EITHER CGP4K.BAS FOR THE CGP-220 OR EPSN*4K.BAS FOR EPSON COMPATABLES.
YOU WILL BE ASKED FOR A DRIVE #, THIS IS THE DRIVE WHERE THE PICTURE
FILE IS LOCATED. NEXT YOU WILL SEE A DIRECTORY LISTING OF THAT DRIVE.
ENTER THE EIGHT CHARACTER FILENAME FOR THE PICTURE. MAKE SURE YOU ENTER
A VALID DRIVE AND FILENAME FOR A 4096 MODE COLOR PICTURE. THE LOADING
WILL BEGIN AND PRINTING WILL START. THESE PICTURES LOAD AND PRINT ON A
128K CoCo3 AND THE SOFTWARE USES ALMOST 115K OF THIS FOR THE PICTURE AND
PRINTING. BECAUSE OF THIS LARGE MEMORY REQUIREMENT THE OPERATING SYSTEM
OF THE CoCo3 IS LOST. WHEN THE PRINTING HAS FINISHED PRESS RESET ON THE
CoCo3. YOU SHOULD ALSO DO A COLD START BY DOING A POKE113,0 AND HIT RESET
AGAIN TO RESTORE NORMAL OPERATION.

4096 MIRROR

THIS CAN BE USED TO MAKE A LEFT/RIGHT PAIR OF PRINTS OR FOR MAKING A
PRINT FOR T-SHIRT TRANSFERS WITH PROPER LETTERING ETC ON THE SHIRT.
T=SHIRT TRANSFERS REQUIRE A SPECIAL RIBBON AND FOLLOW INSTRUCTIONS THAT
CAME WITH THE RIBBON. TO MAKE THIS PRINT FOLLOW THE ABOVE INSTRUCTIONS
EXCEPT RUN CGP4KUSD.BAS OR EPSN*USD.BAS DEPENDING ON THE PRINTER USED.

16 COLOR

TO PRINT A 16 COLOR RASCAN PICTURE JUST RUN CGP*16C FOR THE CGP-220 OR
EPSN*16C FOR THE DMP-240, GSX-140, THE STAR NX1000 RAINBOW OR OTHER EPSON
COMPATABLE COLOR PRINTER. HAVE YOU PRINTER SET FOR GRAPHICS PRINTING.
THE PROGRAM WILL ASK FOR A DRIVE NUMBER. THIS IS FOR THE PICTURE FILE.
YOU WILL SEE A DIR LISTING AND WILL BE ASKED TO ENTER THE COMPLETE FILE-
NAME WITH EXTENSION AND DRIVE. IF YOU MAKE A MISTAKE JUST TYPE RUN. THE
PROGRAM WILL LOAD THE PICTURE AND READ THE FILF COLORS. AT THIS POINT
YOU CAN EDIT THE COLORS OR JUST PRESS <P> TO START THE PRINTING.

EDITOR

SINCE THE PRINT DRIVERS USE A RGB TO CMY CONVERSION YOU CAN USE YOUR RGB
MONITOR TO ADJUST/CHANGE COLORS AND THIS IS WHAT YOU WILL GET IN YOUR
PRINTED OUTPUT. THE ONLY DIFFERENCE IS THAT YOU CAN ADJUST THE CONTRAST
AND BRIGHTNESS ON THE MONITOR BUT NOT THE PRINTER. SINCE YOU MAY NOT
KNOW WHAT COLORS ARE IN WHAT PALETTE SLOT THE <S>AVE, <L>OAD & <R>ESTORE
MAY BE USED AS OFTEN AND AT ANY TIME WHILE EDITING. USE <S> TO SAVE THE
CURRENT SCREEN COLORS IN THE WORKFILE/CLR AND <L> TO RELOAD THE LAST SET
OF COLORS YOU SAVED. THE <R> CAN BE USED TO RESTORE THE PICTURE TO THE
COLORS CONTAINED IN THE PICTURE FILE AT ANY TIME(S). TO SELECT A PALETTE
SLOT FOR EDITING USE THE <0>-<9> AND <A>-<F> KEYS TO SELECT A SLOT. TO
CHANGE THE COLOR IN THAT PALETTE SLOT USE THE UP & DOWN ARROW KEYS TO
ALTER COLOR VALUES ONE STEP AT A TIME. TO ALTER COLOR VALUES FASTER USE
THE SHIFTED UP/DOWN ARROWS. WHEN YOU HAVE THE COLORS ADJUSTED THE WAY
YOU WANT THE PICTURE TO PRINT JUST PRESS <P> TO PRINT.

BLACK & WHITE

RUN ███████████ EPSN*BW AND ENTER THE DRIVE NUMBER AND COMPLETE FILENAME
WITH EXTENSION AND DRIVE AS PROMPTED. THE PRINTER WILL LOAD THE PICTURE
AND PRESS <P> TO BEGIN PRINTING. REMEMBER TO HAVE YOUR PRINTER READY
BEFORE RUNNING.