

INTER-SHEET

Computer Concepts

EDIT
BOX AT
CURSOR

SCREEN
MODE
40/80/105

AUTO
STEP-ON
R/D/L/U

JUSTIFY
BOX
L/R/C

RE-CALC
AUTO/
MANUAL

DELETE
BOX

INSERT
ROW

DELETE
ROW

INSERT
COLUMN

DELETE
COLUMN

/L - Lock
 /LA - Lock All boxes
 /LB - Lock Box only
 /LR - Lock Row
 /LC - Lock Column
/N - change Negative sign
 /NA - change Negative sign of All boxes
 /NB - change Negative sign of Box only
 /NR - change Negative sign of Row
 /NC - change Negative sign of Column
/P - Print

/R - Release
 /RA - Release All rows and columns
 /RR - Release Row at cursor
 /RC - Release Column at cursor

/U - Unlock
 /UA - Unlock All
 /UB - Unlock Box only
 /UR - Unlock Row
 /UC - Unlock Column

/W - Width
 /WA - change Width of All columns
 /WC - change Width of current Column

Entering a value 3 to 31 will change the specified column or column widths.

/Z - Zap

Deletes the entire worksheet and resets all defaults.

Functions

ABS(n) - Absolute value of n
ACS(n) - Arc-cosine of n
ASN(n) - Arc-sine of n
ATN(n) - Arc-tangent of n
COS(n) - Cosine of n
DEG(n) - Converts n radians to degrees
EXP(n) - e raised to the power
INT(n) - Integer on n, not rounded
LN(n) - Natural Logarithm of n
LOG(n) - Logarithm to base 10
PI - Value of Pi
RAD(n) - Converts n degrees to radians
SIN(n) - Sine of n
SQR(n) - Square root of n
TAN(n) - Tangent of n

Special Sheet Functions

AVERAGE(list)
 The average of all items in the list.
AV(list)
 Abbreviated version of the above.
BOX(box)
 Returns the contents of the box at the specified co-ordinates.
COUNT(list)
 The number of boxes containing numbers in the list.
IF(condition, 1st result, 2nd result)
 If the condition is true, then the 1st result is returned, if not the 2nd result is returned.
IMP(ROM-LINK import command)
 Imports a single number from another ROM-LINK compatible product.
LOOKUP(number, 1st list, 2nd list)
 Finds the occurrence of the number in the first list and returns the corresponding number in the second list.

MAX(list)
 Maximum value in the list.

MIN(list)
 Minimum value in the list.

SUM(list)
 Sums all items in the list.

ROM-LINK Import Commands

The following commands may be issued from any ROM-LINK compatible package, including INTER-SHEET. The required data will be exported from the specified worksheet (assuming it exists in memory) into the ROM-LINK package that issued the command.

Issued from the main INTER-SHEET menu, data imported in this manner will be put into the current worksheet at the cursor position.

The syntax for all the commands is

:SHEET(n):command

where ISHEET n (can be abbreviated to IS.n) specifies the worksheet number and 'command' is one of the following commands.

:GETBOX(box)

Returns a single result from the specified box.

:GETBOXES(area)

Returns the results of the boxes in the specified area.

:GETCONTENTS(area)

Returns the full contents of the boxes in the specified area.

:GETSHEET(area)

Returns the results of the boxes in the specified area. Would normally only be used from INTER-WORD.

:TYPE(expr)

Returns the numerical result of the expression.

:PRINT(expr)

Displays on screen the result of the expression.

:CANCEL

Totally removes this ROM-LINK package from memory.

INTER-SHEET



Computer Concepts

To enter INTER-SHEET type:

*ISHEET n<RETURN>

where the optional argument n can be any number between 0 and 15.

If the computer 'beeps' when the main menu is displayed, then this indicates that INTER-SHEET is starting a new sheet.

The Main menu consists of the following options:

1) Save entire worksheet
This saves the complete worksheet to file, including the current screen mode, cursor position, status etc.

2) Load new worksheet
This prompts the user before deleting the sheet in memory. It then loads a complete sheet from file, which must have been saved with menu option 1.

3) Export worksheet
Saves the specified portion of the worksheet to the current filing system. It saves it in a special format that can be loaded into other ROM-LINK compatible products and other word-processors.

4) Import to cursor
This loads a worksheet from file, into the current worksheet starting at the cursor position. The file would normally have been saved with option 3.

5) Set worksheet options
This allows the following default settings to be changed.

Default sheet area

Pound sign

Foreground colour (0-7)

Background colour (0-7)

Number format (E/F/G)

Number of digits (0-9)

Justification (L/C/R)

Print borders (Y/N)

The current settings are listed after each option. If no default sheet area is specified then the current maximum sheet area will be used when necessary.

6) Print worksheet

Prints the specified portion of the worksheet. If no area is specified (i.e. RETURN is pressed) then the default sheet area as listed in menu option 5 will be used.

7) Print formulae

Lists in order the boxes containing formulae.

8) Spool worksheet

Acts like option 6, except that it is saved to the current filing system, rather than being printed.

Function Keys

F0 - Edit box at cursor

Pressed once, this enables normal cursor editing of the box on the top line. Pressed again, the editing feature is disabled and the cursor keys can be used to move around the worksheet.

F1 - Select screen mode 40/80/105

Cycles round the three possible screen display modes. If there is not enough memory to select a particular mode, then the next one is tried.

F2 - Auto step-on. R/D/L/U

Cycles through the four possible directions. The cursor will move in the specified direction when any data is entered into a box. If no message is displayed on the top line then there will be no step-on.

F3 - Justify box (L/C/R)

Changes the justification of the box at the cursor. If it contains a number then only left or right justification of the contents is possible.

F4 - Automatic or Manual calculation

When manual is selected the TAB key has to be pressed to force re-calculation of the sheet.

F5 - Delete current box

Totally removes the contents of the box at the cursor unless the box is locked.

F6 - Insert Row

Creates a new row at the cursor position. All information below this row is moved down one row.

F7 - Delete Row

Deletes all the information on this row (unless a box is locked) and moves all rows below this one up one row.

F8 - Insert Column

As F6 but with the column at the cursor.

F9 - Delete Column

As F7 but with the column at the cursor.

Worksheet Commands

/B - Blank

/BA - Blank All

/BB - Blank Box

/BR - Blank Row

/BR - Blank Column

/C - Copy

/CB - Copy from Box

/CA - Copy from area

The destination area has to be specified in full if copying from a single box. If copying from an area to an area then only the top-left corner of the destination area need be given.

/D - Set number of Digits

/DA - set Digits for All boxes

/DB - set Digits for cursor Box only

/DR - set Digits for Row

/DC - set Digits for Column

The number of digits can be in the range 0-9. The exact effect of this command depends on the number format as set by the /F command. If either General or Exponential format is selected then entered 0 will be taken as 10 digits.

/F - set number Format

/FA - change format of All boxes

/FB - change format of Box only

/FR - change format of Row

/FC - change format of Column

Entering E, F or G will select Exponential, Fixed point or General format.

/G - Goto

/H - Hold

/HC - Hold column at cursor position

/HR - Hold Row at cursor position.

A held row or column remains at the same position on the sheet when scrolling. Held rows or columns are indicated by dots on the appropriate border.

/J - change Justification

/JA - change Justification of All boxes.

/JB - change Justification of Box only.

/JR - change Justification of Row.

/JC - change Justification of Column.

Entering L, C or R will select left, centre or right justification of the boxes specified. Numbers may only be left or right justified.