

**PORTABLE LASER
TERMINAL**

EIA-SOLARIS

CONFIGURATION / SETUP

V. 1.3E

Thank you to use ours product !

The SOLARIS Portable Data Terminal is designed for many data collection applications such as Inventory, order-entry, invoicing, warehouse management, picking, production timing, quality check, POS, a.s.o...

This system allows an immediate use even for peoples without any previous experience in barcode field.

Due to the compact dimensions and light weight it result as a pratic device even for long working time.

The included PC application (win3X/95/98) have been written for data download/upload, in automatic (polling) or selective modes and consequent file save in sequential ASCII text format.

All the parameters and available data formats can be easily set by the included utility.

START UP

WARNING

The internal battery pack is normally discharged at the purchase time.
Charge the battery at least 12 hours before the first use .

ONCE THE BATTERY IS CHARGED SWITCH-ON THE PORTABLE TERMINAL PUSHING THE (SCAN) KEY FOR 2 SECONDS.

The portable terminal automatically switch-off after 4 minutes in stand-by mode, all collected data will remain in memory.

WARNING

USE THE "EIA" AUTOMATIC BATTERY CHARGER ONLY! YOU MAY DAMAGE PERMANENTLY THE TERMINAL USING DIFFERENT CHARGERS.

THE STANDARD CHARGING CYCLE IS 8/12 HOURS IT END ONCE THE GREEN LED WILL BE SWITCHED-ON BY THE AUTOMATIC BATTERY CHARGER.

THE TERMINAL CAN BE CONNECTED IN CHARGE MODE EVEN WHEN THE BATTERY PACK IS NOT COMPLETELY DOWN. THE INTERNAL BATTERY PACK IS RECHARGEABLE NiMh 4.8 V 550 mAh.

Once the battery reach the low-voltage limit a related symbol will start to flash on the display and a tone is emitted alternately.

At this time we suggest to don't wait more to put the terminal in charge.

The maximum operating time, in case of fully charged battery, can be slightly different according to the numbers of reading and other operations (upload/download) made by the terminal. Any way, in the worst case, it is commonly more than a working day.

SETUP section

SCAN the following barcodes to select the terminal operating parameters.

SETUP SECTION

RECORDS TERMINATOR

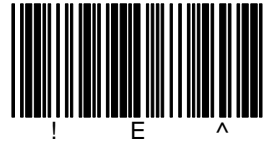
CR+LF *



CR



TAB



FIELDS SEPARATOR

CR+LF .



CR



TAB



- *
;



INTER-RECORD PAUSE

NONE



200 m/Sec.



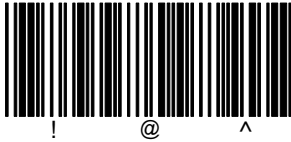
900 m/Sec.



SETUP SECTION

FILE FORMAT

CODE+QUANTITY *



CODE ONLY



USE DATE/TIME *

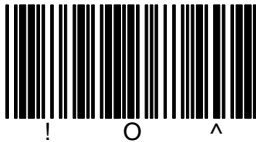


NO DATE/TIME



QUANTITY FORMAT

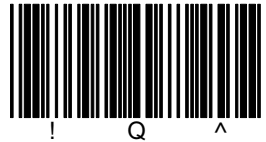
1 DIGIT



2 DIGITS



3 DIGITS



4 DIGITS



5 DIGITS *



6 DIGITS



CHECKSUM

DON'T USE CHECKSUM*



USE CHECKSUM



SETUP SECTION

DOWNLOAD MODE

ALL FILE *



PROTOCOL

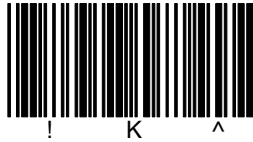


COMMUNICATION SPEED

2400



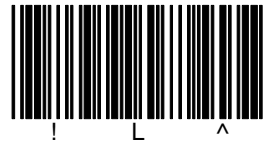
4800



9600 *



19200



UTILITY

FIRMWARE VERSION



FREE MEMORY



SETUP SECTION

UTILITY

DELETE LAST RECORD



DELETE ALL MEMORY



UTILITY

DOWNLOAD DATA



SETUP SECTION

RESET DEFAULT MEMORY PARAMETERS



QUANTITY TABLE



ENTER - QUANTITY

1



2



3



4



5



6



7



8



9



0



**KEYPAD USE
FOR
CODE & QUANTITY INPUT**

KEYPAD USE

THE MAIN 4 KEYS ALLOW THE TERMINALS OPERATIONS, AND USED IN COMBINATION THEY ACTIVATE SOME IMPORTANT FUNCTIONS:

(SCAN) KEY:

SWITCH-ON THE PORTABLE TERMINAL AND/OR START A SCANNING OPERATION

(DEL) KEY:

DELETE THE CURRENT RECORD (SHOWN ON DISPLAY), ONLY AFTER THE CONFIRMATION BY THE (<YES) KEY

(<YES) KEY:

SCROLL BACKWARD THE MEMORY CONTENT AND SHOWS ON DISPLAY THE PREVIOUS RECORD.

(NO>) KEY:

SCROLL FORWARD THE MEMORY CONTENT AND SHOWS ON DISPLAY THE FOLLOWING RECORD.

(DEL) + (<YES):

DELETE THE MEMORY CONTENT , ONLY AFTER THE CONFIRMATION BY THE (<YES) KEY

(DEL) + (NO>):

SHOW THE "FREE" AVAILABLE MEMORY.

(<YES) + (NO>):

DOWNLOAD MEMORY CONTENT (DATA) TO THE PC , ONLY AFTER THE CONFIRMATION BY THE (<YES) KEY, THIS SEQUENCE SHOWS EVEN THE ACTUAL DATE/TIME

RESET KEY:

IN CASE OF SYSTEM FAILURE, PRESS CAREFULLY THE (RESET) KEY UNDER THE HOLE BY A SHARP OBJECT. THEN SWITCH-ON THE PORTABLE TERMINAL BY THE (SCAN) KEY.

ALL DATA IN MEMORY WILL BE MAINTAINED!

INSERT BARCODE MANUALLY

The user can input barcode even manually using the numeric keypad.

INPUT BARCODE USING THE KEYPAD:

Type the barcode string then press the CLR/QTY KEY. This key will act as an <ENTER> after a barcode is typed on the numeric keypad.

DATA will not be stored until the CLR/QTY KEY will be pressed and the 3rd row of display will show "Scan..."

In case of error the user can clear the entry by the DEL KEY then type once more the correct barcode.

After the barcode is stored pressing once more the CLR/QTY KEY, the terminal will enter in input quantity mode.

IMPORTANT NOTE:

As the terminal is mainly designed to input barcode by the integrated scanner, the keypad is "numeric only" and mainly dedicated for quantity input.

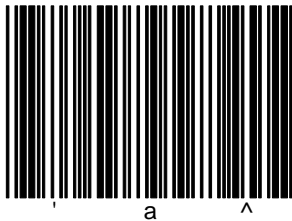
In case the user needs to input an alphanumeric barcode "for emergency" (I.E. in case of a damaged barcode label that scanner can't read) some special barcode can be PRINTED and intended as an alphanumeric KEY INPUT.

PRINTING an alphanumeric ASCII table could be easy and helpful in extreme situations.

INSERT BARCODE MANUALLY

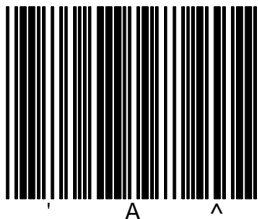
The following barcode are just samples, user can print the full alphanumeric table using this format:

'X[^] x = any alphanumeric character



This barcode will be equivalent as the user type "a" on the keypad.

(Barcode sample 1)



This barcode will be equivalent as the user type "A" on the keypad.

(Barcode sample 2)

IN EXAMPLE:

If the user need to input manually the barcode "aA1234" it must use the following procedure:

- Read barcode sample 1
- Read barcode sample 2
- Type on the keypad 1234
- Press the CLR/QTY KEY

The barcode "aA1234" will be succesfully stored.

INSERT QUANTITY MODE

The User can change the default quantity "00001" by the KEYPAD, the QUANTITY TABLE or by the COMMAND-CARD:

USING THE KEYPAD:

After a barcode press the CLR/QTY KEY, the actual quantity will be displayed, then type the new quantity required.

When a new code is read or if the 5th quantity digit is reached, the scanner will automatically exit from the "Insert Quantity Mode".

Pressing once more the CLR/QTY KEY you will reset the last quantity to "00001" or you can change the already inserted qty.

By reading any of the function codes, will let the scanner exit from the "Insert Quantity Mode".

If a Quantity key is pressed accidentally without the previous CLR/QTY KEY, you will hear an error sound and no changes will be made to the existing quantity.

The present example is made considering the default quantity Length (5 digits) but is valid even for all the other quantity formats, between 1 and 6 digits.

INSERT QUANTITY MODE

USING the QUANTITY TABLE or the COMMAND-CARD:

After a barcode scan the "Insert Quantity" code, then scan sequentially the numbers to compose the needed qty. up to 5 digits (or up to the max. qty. Length selected).

When a new code is read or if the 5th quantity digit is reached, the scanner will automatically exit from the "Insert Quantity Mode".

Reading once more the "Insert Quantity" code you will reset the last quantity to "00001" or you can change the already inserted qty.

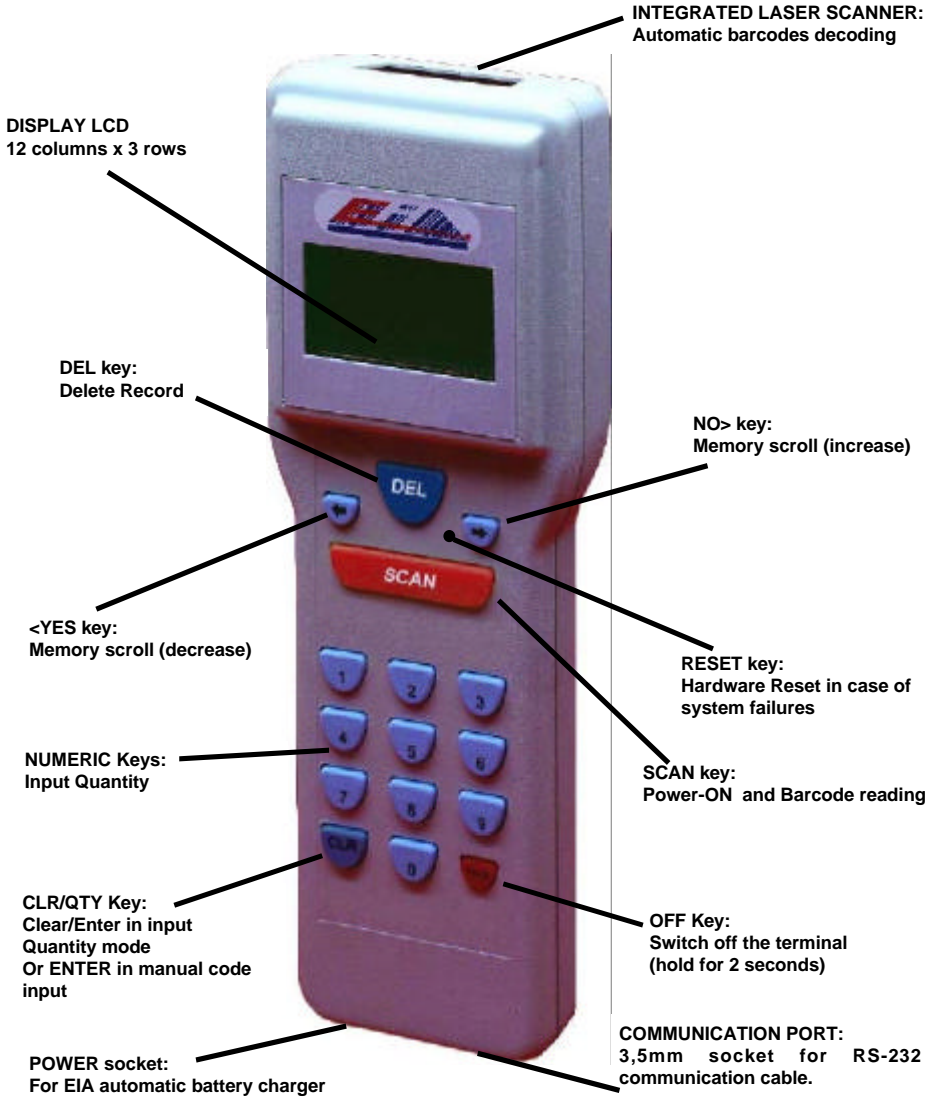
By reading any of the function codes, will let the scanner exit from the "Insert Quantity Mode".

If a Quantity code is read without the previous "Insert Quantity" code, it will be intended as a "manual barcode input" and the quantity will not be changed.

The present example is made considering the default quantity Length (5 digits) but is valid even for all the other quantity formats, between 1 and 6 digits.

HARDWARE

HARDWARE



SPECIFICATIONS

Light source	Visible laser diode at 670 nm +/- 10 nm
Scan rate	36 Scan/Sec.
Memory (sys. / data)	O.S. ROM 8 Kb, DATA memory 64 Kb (128 Kb Optional) + internal RTC date/time
Orientation	Vertical +/- 55° min., Horizontal +/- 65° min.
Laser class	CDRH Classe II device
Power supply	Battery pack 4.8 V 550 mAh
Operating Temperature	0° C — 40° C
Storage	-40° C — 60° C
Humidity	5% to 95% non condensing
Dimensions	175 mm x 62 mm x 45 mm 200g.
Interfaces	RS232, Keyboard Wedge (optional)
Decoding	UPC/EAN/JAN, UPC/EAN/JAN Add on, Code 39 standard, Code 39 Full ASCII, Codabar, Interleaved 2/5, Code 128, Code 93, S 2/5, Code 11, MSI, Code 32 pharma

Typical performance at 25° C on photographic quality symbols, no exit window.

Prestazione tipica a 25° C su qualità fotografica senza finestra di uscita.

