

ScanDevil Inventory/Stocktaking Computer

Turn the ScanDevil ON by pressing the ON/OFF switch located in the back of the machine.

Note: If the ScanDevil is not fully charged, you may operate it by means of the auxiliary battery pack (containing 3 AA type batteries) connected to the auxiliary battery connector located to the far left on the back of the ScanDevil. Switch the ScanDevil to the OFF position. (Technically speaking, the ON/OFF switch does not actually turn the machine OFF, it switches between the two power sources; the internal batteries or external battery pack)

Screen Contrast can be controlled by inserting a small flat-head screwdriver into the contrast potentiometer (the small blue box with a white circle located immediately to the left of the parallel port). Do not force the contrast adjustment past its natural stopping point. Typically, only a small adjustment may be necessary.

DB9/RS-232 serial port. This 9-pin connector is located to the far right on the back of the ScanDevil. It is used for accepting data from a serial device such as a bar-code scanner. It is also used for configuring the data collection parameters of the ScanDevil and uploading of the collected data to the PC via the ScanDevil Portal program.

DB25/Parallel port. This is the largest connector located next to the RS-232/serial port. Currently, it is used to generate a test page. However, in future versions of the software, it will be used for printing basic reports (Audit trail, Category Totals, etc) to a text printer. It will also be used to “clone” the configuration and SKU Master table files from one ScanDevil to another.

10-pin program uploader port. This port is used via the program uploader cable (sold separately) to update the ScanDevils’ operational program.

Charging Jack. The charger included with the ScanDevil should be the only charger used for charging the unit. It is a “regulated” charger and is not acceptable to use other chargers regardless of the stated specifications for that charger unit. Use of non-approved chargers/wall transformers will under-charge or over-charge the batteries resulting in loss of battery life or, potentially, leaking or exploding batteries.

The ScanDevil memory can be re-initialized should it become necessary or simply as a matter of course prior to configuration of the machine. This initialization will completely erase all data memory and the data collection configuration. Once performed, it cannot be undone. This will not affect the operational program.

To re-initialize the memory, Turn the ScanDevil OFF, press and hold the SHIFT, DATA and X keys, while still holding down these keys, turn the ScanDevil ON. You will see “Memory Initialized” momentarily prior to the Start-up screen. We refer to this as the “Three-Fingered Salute”.

Operations

Upon seeing the “Start-Up” screen, press any key to continue.

You may see a prompt for an “EIN”. This is the “Employee Identification Number”. It will become part of each data record for tracking who entered any particular record. It is also used for generating various “productivity” reports on the PC.

Main Menu

1. Enter Data

Most work will be performed from this portion of the program.

If no data has been entered, you will be prompted (as long as it is consistent with the configuration for the current inventory) for this information:

Section: The physical location of the items to be inventoried. Enter and valid Section ID and then press ENTER. Depending upon configuration, new/undefined Sections IDs may require that the user define the new/undefined Section or the user will be prevented from entering that Section ID value. That newly defined Section will be added to a User-Defined Sections Table. If that newly defined Section ID is entered again, you will not be prompted to define the new Section. Up to 10 characters for the ID and 15 Characters for a description may be entered.

Sub-Section: This is typically a shelf or bay of merchandise. Sub-Sections do not use a table-verify lookup to ensure validity. Any entry up to 10 characters may be entered. If the Sub-Section entry has not been entered before, you will be prompted to confirm that the Sub-Section ID is acceptable. Future entries of that same Sub-Section will not require confirmation.

Category: This is the type of items being inventoried. As with Sections, Categories may be verified against a table loaded with the configuration of the data collection parameters. New/Undefined Categories may be user defined with up to 10 characters for the ID and 15 Characters for the description. Press ENTER when complete.

At this point, the various data collection fields may be enabled/disabled depending upon configuration. For details of the various features available at this point see “Key-Press Functions” below.

2. PC Communication

Connect the Null-Modem cable to the RS-232/Serial Port of the ScanDevil. Connect the opposite end of the cable to the Serial port of your PC. Open the ScanDevil Portal Program. The Machine will now be under control of the Portal program.

3. Generate Reports

This feature has not been activated. When enabled, it will allow the user to print basic reports to a text printer.

4. Review Entered Records

Review your entered records from the first record entered, the last record entered, the record number or (to be activated in a future version) the time of day a record was entered.

5. View Totals

Your current totals will appear here.

6. Utilities

1. View Tables -View the downloaded SKU Master, Section or Category Tables.

2. Test Barcode Reader -Connect the Barcode scanner and scan a barcode to view its value. This utility is useful to ensure that the barcode reader is working properly and to verify that the configuration of the scanner is correct. Scanner configuration is performed according to the scanner manufacturers' instructions. Consult the Scanners' manual for configuration options.

3. Print Test Page -Connect your text printer through a standard printer cable (not included) If the printout looks acceptable, then your printer will work with the ScanDevil once reports have been enabled.

4. Set Clock -This function is not currently enabled. The ScanDevils clock is automatically synchronized with your PCs' clock when configured or data is uploaded to the PC.

5. Supervisor Menu (Password Required) -The Password is "1397". Only Management should know this password. This is because data may be destroyed from this option or data collection parameters may be altered from here.

1. Configure Inventory -Change the Inventory Data Collection Parameters. This cannot be done with inventory data in the machine. Use the ENTER key to toggle the options: Unused, Optional, Required for each field. The Up and Down arrows will navigate between options. Answer YES to save your changes or CLEAR to escape without changes taking affect. Field limitations such as minimum, maximum, etc. may be set from this menu option.

2. Change Inventory Name/ID -Change the name of the Inventory (this is only a cosmetic change and will not affect any data processing). Or, change the Machine ID. This is typically the machine serial number. The Machine ID is used to correlate the ScanDevil unit to the Data Record.

3. DELETE/RESTORE all data records -Erase all the data records. You will be required to confirm the deletion of your data. After deletion of data but BEFORE entering any new records, you have the ability to RESTORE the inventory data. Follow the direction on the screen.

4. Delete Category Table -not enabled

5. Delete Section Table -not enabled

6. Delete Sub-Section Table -not enabled

7. Delete SKU TABLE -not enabled

8. Delete ALL -not enabled

Key-Press Functions

The SHIFT key acts like a SHIFT-LOCK on a typewriter when entering alpha characters.

Key	Function
<i>SHIFT</i>	1) Chooses secondary key functions 2) Also enables allows alpha entry in text This key is more accurately a SHIFT-LOCK. The SHIFT setting is remembered for each field from record to record.
<i>Tag</i>	During Data entry, this function will Tag/Un-Tag the record. This marks the record for future reference. Suggested uses are for price checks, out of date merchandise, questionable items, etc.
<i>Space</i>	Inserts a blank space into the data.
<i>Up-Arrow</i>	In data entry mode, shows prior record. Used in conjunction with Down-Arrow to navigate during Review Records mode.
<i>SmbL</i>	User can insert numerous unusual characters such as \$, %, *, #, etc.
<i>Menu</i>	Navigates to Main Menu
<i>Data</i>	In data entry mode, displays current totals. Toggles between Enter Data and View Totals mode.
<i>NO</i>	On YES/NO questions or logic fields a NO answer (False, 0)
<i>Option</i>	During data entry, skips over optional fields to the next Mandatory/Required field
<i>Left-Arrow</i>	Backspace
<i>Down-Arrow</i>	In review data mode, shows next record. Used in conjunction with Up-Arrow to navigate between records.
<i>Right-Arrow</i>	Not enabled at this time.
<i>Mode</i>	Select Auto-Repeat and other functions.

YES On YES/NO questions or logic fields a YES answer
(True, 1)

CLEAR Clears entered data so user can re-enter.
In data entry mode, pressed once clears data in current field, twice
clears data for entire record. (Currently selected Section, Sub-
Section and Category are not effected)

$\frac{3}{4}$ Minus Key.
1. In data entry mode for Quantity-1 field allows subtraction of
quantities (i.e. 1.00 X -6 ENTER will create a record that subtracts
\$ 6.00 from the totals)
2. In Review Records Mode, Deletes/Un-Deletes data record.

Prior Field Change Section, Sub-Section and /or Category. ENTER
accepts entry.

% 1. Used to calculate sale/cost price from retail. i.e.
100 X 60 % X will show a price of .60
2. Used in conjunction with - (minus key) to subtract a percentage
from retail price. i.e. 100 X -40 % X will show a price of .60

Funct Build additional quantities (sometimes called a
price-constant key or K-key) On the Quantity-1 field enter
quantity, quantity, etc. Complete the Record-Entry by pressing
ENTER.
i.e. 100 X 5 Funct 5 Funct 5 Funct ENTER will create a record of
\$ 1.00 X 15
The accumulated total will appear below and to the right of the
Quantity line.

0 The number ZERO.

1 The number ONE

2 The number TWO

3 The number THREE

4 The number FOUR

5 The number FIVE

6 The number SIX

7 The number SEVEN

8	The number EIGHT
9	The number NINE
•	Decimal Point. Used for Quantity-1 field only for partial quantities to 2-decimal places. i.e. 100 X 1•75 creates a record total of \$ 1.75
X	The TIMES key. 1. After entering a price (Price-1 or Price-2 as appropriate), press X and then enter a quantity. 2. Moves to Qunatity-2 field. This is typically used in calculating case-quantities.
ENTER	Terminates/Accepts record or menu choice.
/	Division Key (it may not appear correctly here because of font limitations). Used to determine each price from multi-piece price. For example 6-pack price = \$ 3.00 but only five cans are present; 300 / 6 X 5 ENTER creates record of \$.50 X 5 = \$ 2.50
SHIFT-A	The letter "A"
SHIFT-B	The letter "B"
SHIFT-C	The letter "C"
SHIFT-D	The letter "D"
SHIFT-E	The letter "E"
SHIFT-F	The letter "F"
SHIFT-G	The letter "G"
SHIFT-H	The letter "H"
SHIFT-I	The letter "I"
SHIFT-J	The letter "J"
SHIFT-K	The letter "K"
SHIFT-L	The letter "L"

<i>SHIFT-M</i>	The letter “M”
<i>SHIFT-N</i>	The letter “N”
<i>SHIFT-O</i>	The letter “O”
<i>SHIFT-P</i>	The letter “P”
<i>SHIFT-Q</i>	The letter “Q”
<i>SHIFT-R</i>	The letter “R”
<i>SHIFT-S</i>	The letter “S”
<i>SHIFT-T</i>	The letter “T”
<i>SHIFT-U</i>	The letter “U”
<i>SHIFT-V</i>	The letter “V”
<i>SHIFT-W</i>	The letter “W”
<i>SHIFT-X</i>	The letter “X”
<i>SHIFT-Y</i>	The letter “Y”
<i>SHIFT-Z</i>	The letter “Z”
<i>SHIFT-CAP</i>	Engages the CAPS-LOCK function. Letters will appear in uppercase.
<i>SHIFT-HELP</i>	In select portions of the operational program, context sensitive “Help” will be displayed.
<i>SHIFT-Up-Arrow</i>	In review data mode, skips backwards by 10 records at a time for “Turbo-Search” mode.
<i>SHIFT-Down-Arrow</i>	In review data mode, skips forwards by 10 records at a time for “Turbo-Search” mode.