

# Appendix E

## PDT-7200 Scanner Operations

### General Info

### Downloading Scanner Applications

### Inventory Process

### Receipt Process

### External Restow Process

### Label Process

### Scanner Presets

## General Information

This section describes the processes for using the Automatic Identification Technology (AIT) hardware with the Retail Ordnance Logistics Management System (ROLMS) software for sonobuoy inventory management. AIT hardware includes the PDT 7200 scanner and its associated data ports, printers, etc. Though the PDT 7200 scanner and the ROLMS software can be used to manage all ordnance items in ROLMS, this section focuses on *Sonobuoy Management*. Certain ROLMS modules (i.e., print 2D bar code from the scanner) are written specifically for sonobuoys (8U COG, NALC 8WXX) and will not work with other ordnance items. Future releases of the ROLMS software may incorporate these sonobuoy-specific modules into general ordnance management use. Basic scanner functions (i.e., Inventory Process, Receipt Process, etc) will work correctly for all ordnance covered by the ROLMS database.

Guidance will be provided to enable Fleet activities equipped with the AIT system to Receipt, Inventory, and Manage sonobuoy stockpiles. Printing of linear (1D) and 2D bar codes in bulk or 'on the fly' will be possible with the AIT system. Additional (current) training in the AIT system can be obtained by downloading the AIT Computer Based Training (CBT) software on the Naval Ammunition Logistics Center (NALC) web site at URL: <http://www.nalc.navy.mil>. The AIT CBT files can be found by selecting the OIS->PRODUCTS->AIT CBT menus on the NALC web site main menu. Follow the instructions on the page for downloading and installing the CBT files (Note: This is an extremely large download and may take some time.) The AIT CBT current at the time of the construction of this IETM is included on the Sonobuoy IETM CD-ROM and can be accessed here: [AIT CBT](#). General Ammo Management data can be found [HERE](#).



## Downloading Scanner Applications

### Scanner Software Updates

When the Sonobuoy AIT system was installed at your site, the Crane team installed the software for the Scanner in your ROLMS computer. On occasion, the ROLMS office will issue updates to the scanner software. This section explains how to upload the scanner software to your PDT 7200 scanner. If installing the scanner system yourself, contact the ROLMS Help Desk for help in installation procedures.

#### 1. Updating ROLMS

Updates to the scanner software will normally be distributed as an upgrade to the ROLMS software. The initial step for updating the scanner software will be to update ROLMS per the instructions that accompany the software upgrade CD-ROM or Floppy Disk. After installing the upgrade per the instructions that accompany the media, follow the following steps to update the scanner software:

#### 2. Updating the PDT 7200 Scanner Software

STEP	SCREEN PROMPTS	ACTION
1	-	Log in to ROLMS as a user.
2	-	Select APPLICATIONS menu.
3	-	Select SCANNER menu.
4	-	Select PDT SCANNER PROGRAM DOWNLOAD menu.
5	-	Select DOWNLOAD TO PDT 7200 menu. Select APPLY. Note: The TCM 7000 Script1 screen will appear on your computer.
6	-	On the TCM 7000 Script1 screen, select LOAD TERMINAL on the 'File' dropdown menu at the top left hand side of the screen. A LOAD TERMINAL window will appear at the center of the screen.

NAVAIR 28-SSQ-500-1

STEP	SCREEN PROMPTS	ACTION
7	-	On the LOAD TERMINAL window, select BROWSE.
8	-	Browse to the ROLMS/BIN subdirectory and highlight the file DOSTSR.HEX. Select OPEN on the window.
9	-	Set the COM PORT to either 1 or 2. The default setting is COM PORT 1 – this will usually work.
10	-	Set the BAUD RATE to 115200.
11	-	Set the PROTOCOL to XON/XOFF. The next step involves the PDT 7200 scanner. Get the scanner and power it on.
12	ON/OFF ICON	With the scanner powered on, press the ON/OFF ICON on the scanner to turn off the scanner.
13	-	Press the ON/OFF ICON and depress the scanner's TRIGGER at the same time. It takes approximately 20 seconds for the scanner to power on during this step.
14	PROGRAM LOADER SCREEN (BAUD RATE)	The PROGRAM LOADER SCREEN appears on the PDT 7200. The first screen is where you set the BAUD RATE. Use the UP ARROW and DOWN ARROW to highlight the 115200 BAUD RATE and then select ENTER.
15	PROGRAM LOADER SCREEN (IPL Screen)	Select "896K C:" or "VOL I" and select ENTER.
16	-	Insert the PDT 7200 into the Cradle.
17	-	On the ROLMS computer, in the LOAD TERMINAL window from step 11, select OK. The entries are now saved in the scanner.
18	"Download Complete No Errors Detected"	When the DOWNLOAD COMPLETE cue appears press ENTER on the PDT 7200.

STEP	SCREEN PROMPTS	ACTION
19	-	On the TCM 7000 Script1 screen, select <b>LOAD TERMINAL</b> on the <b>File</b> dropdown menu at the top left hand side of the screen. On the <b>ROLMS LOAD TERMINAL</b> window, select <b>BROWSE</b> and select the file <b>ROLMS72.HEX</b> (as in step 8), select <b>OPEN</b> .
20	<b>PROGRAM LOADER SCREEN (IPL Screen)</b>	The <b>PROGRAM LOADER SCREEN</b> appears on the <b>PDT 7200</b> . Use the <b>UP ARROW</b> and <b>DOWN ARROW</b> to highlight the <b>“896K D:”</b> or <b>“VOL II”</b> and then select <b>ENTER</b> .
21	-	On the <b>ROLMS</b> computer, in the <b>LOAD TERMINAL</b> window from step 11, select <b>OK</b> . The entries are now saved in the scanner.
22	<b>“Download Complete No Errors Detected”</b>	When the <b>DOWNLOAD COMPLETE</b> cue appears press <b>ENTER</b> on the <b>PDT 7200</b> .
23	-	Remove the <b>PDT 7200 Scanner</b> from the cradle.
24	<b>PROGRAM LOADER SCREEN</b>	On the <b>PDT 7200</b> use the <b>UP ARROW</b> to highlight the <b>PREV MENU</b> selection and press <b>ENTER</b> .
25	<b>PROGRAM LOADER SCREEN</b>	On the <b>PDT 7200</b> use the <b>UP</b> or <b>DOWN ARROW</b> to highlight the <b>RUN SYSTEM</b> selection and press <b>ENTER</b> .
26	-	The scanner reboots. When the scanner instructs you to calibrate the LCD screen, touch the 3 points on the screen per the screen prompts.
27	<b>SELECT ACTIVITY</b>	Press <b>‘N’</b> for <b>‘Other’</b> .
28	<b>GRID</b>	Press <b>‘N’</b> for <b>‘NO’</b> .
29	<b>WHAT PRINTER?</b>	Select <b>‘N’</b> for <b>Zebra Printer</b>

STEP	SCREEN PROMPTS	ACTION
30	CURRENT DATE	Press 'Y' if date displayed is correct. If incorrect, press 'N' and correct the date. Press ENTER if you corrected the date.
31	CURRENT TIME	Press 'Y' if time displayed is correct. Press 'N' if time displayed is incorrect, correct the time. Press ENTER if you corrected the time.
32	SCANNER NUMBER	Enter the local code number for the scanner. (6074)

### 3. Download Tech Data File

After uploading the PDT 7200 software, the operator must upload the Sonobuoy Technical Data Files so that the scanner can print sonobuoy Bar Codes 'on the fly.' This process must be completed whenever the ROLMS software is updated (new version) or a new NALC/NIIN for sonobuoys is manually entered into ROLMS or updated via SALTS. At the present time there is no provision for printing non-sonobuoy ordnance Bar Codes on the fly.

STEP	SCREEN PROMPTS	ACTION
1	(ROLMS)	Place the PDT 7200 scanner in its cradle. Select SCANNER MENU.
2		Select EXTRACT SCANNER REFERENCE DATA.
3		Select APPLY.
4		Overwrite Existing Data? Select OK.
5		Select CLOSE. Select OK.
6		The SCANNER MENU screen appears. Select SCANNER REFERENCE DATA DOWNLOAD PROCESS.

STEP	SCREEN PROMPTS	ACTION
7	(Scanner) 'Ready For Data'	On the PDT 7200 scanner, select GET TECHFILE.
8	(Scanner) 'Receiving'	On ROLMS, select APPLY. ROLMS uploads the technical data files to the scanner. Once completed, select OK on the message window.
9		This process is completed.

## Inventory Process

The PDT 7200 Inventory function is used to do a scanned inventory of your stockpile. PDT 7200 scanned inventory data records are used to compare physical inventory (scanned inventory) data to the ROLMS asset records. The following steps illustrate the PDT 7200 AIT Inventory process. A decision tree version of the following chart can be found [HERE](#).

### 1. Inventory Scanning With The PDT 7200 (INV Function)

STEP	SCREEN PROMPTS	ACTION
1	NAME	Scan or enter name or initials (no more than 10 characters).
2*	INV Code*	Enter a single alphanumeric code for the type of inventory to be performed. Pick the appropriate code from the list at the end of this checklist*.
3	INV SCHED	Press ENTER to go to next prompt.
4	BLDG/HOLD	Scan or enter the BLDG/HOLD for the inventory site.
5	NIIN	Scan the NIIN Bar Code Label.
6	FMS CASE NUMBER	Typically N/A for sonobuoy using activities. Press ENTER to bypass if it appears.
7	LOT	Scan the Lot Number Bar Code. (Note: If scanning 2D Bar Codes, this step was accomplished during step 5.)

STEP	SCREEN PROMPTS	ACTION
8	TYPE CONTAINER CODE	May Appear: N/A for normal Sonobuoy processing. If this prompt displays, enter 'Y' for UNKNOWN.
9	CDC	May Appear: N/A for normal Sonobuoy processing. If the Condition Defect Code (CDC) prompt appears press ENTER to bypass.
10	CONTROL PROMPT	<b>This prompt indicates completion of the first sequence of Inventory process steps. At this point you can press END to finish the process or return to Step 5 to continue scanning assets.</b>
	(Review Data) No Prompt (Not normally done during INVENTORY Process)	<b>After completing the Inventory process, you can review the data scanned by pressing the UP key. During the review process you can correct or change any scanned data (i.e., expiration date, quantity, etc.) by moving UP to the line you desire to change/correct. After moving to the line, select the MOD (modify) key and move LT (left) or RT (right) to move the cursor to the item to be changed. Type in the correct/changed data. After making all the required changes/corrections press ENTER to complete the receipt process.</b>

\* Inventory Codes:

- A – SCHEDULED: A complete wall-to-wall inventory of one BLDG/HOLD.
- C – SPECIAL: A physical inventory to fulfill a special requirement.
- D – SPECIAL: A physical inventory that was requested by the NALC Item Manager.
- E – SPOT: An unscheduled physical inventory due to a Material Release Denial.
- F – SPOT: An unscheduled physical inventory due to a Warehouse Refusal.

## 2. Inventory Process Upload To Rolms

After scanning the BLDG/HOLD desired, you must upload the data in the scanner to ROLMS. The following table illustrates the steps for uploading PDT 7200 scanner data into ROLMS. Note: The entire BLDG/HOLD must be scanned before you can begin the UPLOAD and VERIFICATION processes. (This means that you must scan all ordnance, including the same sonobuoys that you would scan when using the EXTERNAL RESTOW PROCESS; if you are using the Restow process for routine ordnance management.)

STEP	ACTION
1	Place the PDT 7200 Scanner in its cradle.
2	Log on to ROLMS as a USER.

NAVAIR 28-SSQ-500-1

STEP	ACTION
3	Select APPLICATIONS on the main ROLMS menu.
4	Select the SCANNER menu.
5	Select SCANNER UPLOAD. (Check COM Port)
6	Select the START UPLOAD button. (Insure Save Upload Data boxes is checked.)
7	On the PDT 7200, press the UPLOAD key.
8	In ROLMS a message may or may not appear that states the PDT 7200 data is being processed. If this message appears, press OK to acknowledge.
9	After the data is uploaded, ROLMS will reopen on the SCANNER menu.
10	Select INVENTORY VERIFICATION PROCESS on the ROLMS menu. (Inventory account records from the scan will be verified against the ROLMS asset records during this process.) Select OK.
11	ROLMS will print out an INVENTORY DISCREPANCY NOTIFICATION REPORT and an INVENTORY MATCH REPORT. If the Scan matches the ROLMS asset database, there should be no discrepancies and all assets should show on the Inventory Match Report. If there are discrepancies go to Step 12. If there are no discrepancies go to Step 14.
12	<b>Analyze the INVENTORY DISCREPANCY NOTIFICATION REPORT</b> , highlight differences between the ROLMS asset files and the scan. The operator will use the ASSET MAINTENANCE PROCESS to make the ROLMS assets match the scanned data (i.e., change lot numbers, expiration dates, etc.) Note: QUANTITY should not be different if in balance in CAIMS, gains and losses must be reported. (See the section on Scanner Reports.)
13	Once any corrections have been completed, print new bar code labels for the items in question and put them on the units.
14	On the PDT 7200 – Clear Memory
15	If corrections were made in Step 12, go back to Step 1 and rescan the inventory to insure all discrepancies were corrected.

## Receipt Process

When receipting new deliveries of sonobuoys, insure you receipt them in to the appropriate location. If using alternate locations at your main stockpile so that you can use the 'External Restow Process/Expend By Location' function in ROLMS insure you receipt the new units into the location in which your existing stock resides at the time of receipt. If receipting new units into a remote location (i.e., a Detachment Site Stockpile), receipt the units into the detachment location. The PDT 7200 Receipt function is used when scanning receipts of shipments into a location at the receiving activity. PDT 7200 scanned receipt data records are used to establish receipt of ordnance items in the ROLMS database. The following steps illustrate the PDT 7200 AIT Receipt process. A decision tree version of the following chart can be found [HERE](#).

### 1. Scanning Receipts With The PDT 7200 (REC Function)

STEP	SCREEN PROMPTS	ACTION
1	NAME	Scan or enter name or initials (no more than 10 characters).
2	DOCUMENT NUMBER	Scan the Document Number bar code label. If a bar code is unavailable manually enter a valid Document Number.
3	CLIN	N/A for normal Sonobuoy processing. Prompt appears if scanned Document Number was a 13 character MIPR or contract number. Press ENTER to bypass & proceed.
4	DOCUMENT QTY	Enter the Quantity from the source document and press ENTER (ENT).
5	UIC FROM	Enter the UIC receipting from. Found in Block #2 on the DD Form 1348. (Must be a six character UIC; this can be scanned from Bar Codes if available.)
6	BLDG/HOLD TO	Scan the building, hold, or conveyance name for where the ordnance material is being stowed.
7	NIIN	Scan the NIIN Bar Code label. Note: If scanning a 2D Bar Code, the Lot Number (Step 8) will also be scanned at this time. (Note: The NIIN bar code on a DD Form 1348 will not scan, you must scan the asset bar code.)
8	LOT	Scan the Lot Number Bar Code. Note: If scanning 2D Bar Codes, this step was accomplished during the previous step. You must scan all bar codes required to equal the QTY entered in Step 4. (Note: If scanning the Lot Number from a DD Form 1348, insure the MDD is on the form. If the MDD is not entered on the 1348, scan the Lot Number from the asset.)

STEP	SCREEN PROMPTS	ACTION
9	TYPE CONTAINER CODE	N/A for normal Sonobuoy processing. If this prompt displays, enter 'Y' for UNKNOWN.
10	CDC	N/A for normal Sonobuoy processing. If the Condition Defect Code (CDC) prompt appears press ENTER to bypass.
11	CONTROL PROMPT	<b>This prompt indicates completion of the first sequence of Receipt process steps. At this point you can press END to finish the process or you can scan another Document Number (Step 2) to scan further items.</b>

	(Review Data) No Prompt	<b>After completing the Receipt process, you can review the data scanned by pressing the UP key. During the review process you can correct or change any scanned data (i.e., expiration date, quantity, etc.) by moving UP to the line you desire to change/correct. After moving to the line, select the MOD (modify) key and move LT (left) or RT (right) to move the cursor to the item to be changed. Type in the correct/changed data. After making all the required changes/corrections press ENTER to complete the receipt process.</b>
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## 2. Receipt Process Upload To Rolms

After scanning all of the receipts desired, you must upload the data in the scanner to ROLMS. The following table illustrates the steps for uploading PDT 7200 scanner data into ROLMS.

STEP	ACTION
1	Place the PDT 7200 Scanner in its cradle.
2	Log on to ROLMS as a USER.
3	Select APPLICATIONS on the main ROLMS menu.
4	Select the SCANNER menu.
5	Select SCANNER UPLOAD.
6	Select the START UPLOAD button. (Insure Print & Save Data Upload boxes are checked.)

NAVAIR 28-SSQ-500-1

STEP	ACTION
7	On the PDT 7200, press the UPLOAD key.
8	In ROLMS a message may or may not appear that states the PDT 7200 data is being processed. If this message appears, press OK to acknowledge.
9	After the data is uploaded, ROLMS will reopen on the SCANNER menu.
10	Select SCANNER RECEIPT PROCESS on the ROLMS menu.
11	A ROLMS Confirmation Message Dialog will appear stating that the data will be applied to the ROLMS database. Select the OK button.
12	ROLMS processes the data and reopens the SCANNER menu.
13	Select the HOME button in ROLMS.
14	Select the APPLICATIONS menu in ROLMS.
15	Select the RECEIPTS menu in ROLMS.
16	Select the RECEIPT PROCESS menu in ROLMS.
17	Open the 'Action' drop-down menu and select PROCESS INCOMPLETE.
18	Select the INC>> button on ROLMS.
19	Highlight the Document Number(s)
20	Select the PROCESS button in ROLMS.
21	Accept.
22	Enter ACC Code. APPLY.
23	On the PDT 7200 – Clear Memory

## External Restow Process

The EXTERNAL RESTOW function allows the ammunition manager to easily process expenditures or issues on a weekly (or other time period) basis. As discussed in the Ammunition Management section, the ammo manager will establish two local 'locations' between which the sonobuoy stockpile will be moved to allow automatic processing of changes in the stockpile that occur between the initial scan and the second scan. For the purposes of this checklist, the locations used are LOCATION1 and LOCATION2. At Fleet sites, the locations were established using local BLDG/HOLD names (i.e., KEF1 and KEF2, 941 and 941A, etc.)

The PDT 7200 External Restow function is used when moving assets from one location (i.e., LOCATION1) to another location (i.e., LOCATION2) or visa-versa. PDT 7200 scanned External Restow data records are used, when processing sonobuoys, to move sonobuoys from one local location into the other location. The ROLMS software will determine the difference between the original location and the restow (to the other location) and let the operator order disposition (i.e., expend, issue) for buoys used/lost since the first scan. The following steps illustrate the PDT 7200 AIT External Restow process. A decision tree version of the following chart can be found [HERE](#).

### 1. External Restow With The PDT 7200 (EXT Function)

Standard LOCATIONS were installed in your ROLMS database when the AIT system was installed. These locations are LOCATION1 and LOCATION2 for the purposes of this checklist. These locations must be used during the restow process in order to use the 'Expend/Issue From Location' function in ROLMS. Bar codes for the locations at your site were provided during the AIT installation. Use these bar codes to expedite the External Restow scanning process.

#### a. Restow From LOCATION1 to LOCATION2 (1<sup>st</sup> Scan)

STEP	SCREEN PROMPTS	ACTION
1	NAME	Scan or enter name or initials (no more than 10 characters). Press ENT.
2	DOCUMENT NUMBER	N/A for normal sonobuoy processing. Press ENT to bypass.
3	BLDG/HOLD FROM	Scan the Bar Code for the first location (i.e., LOCATION1 or LOCATION2.)
4	BLDG/HOLD TO	Scan the Bar Code for the second location (i.e., LOCATION2 or LOCATION1). Note: You can also use this to transfer sonobuoys from your local location to a remote location (for example, from your main site to a detachment site).

STEP	SCREEN PROMPTS	ACTION
5	NIIN	Scan the NIIN Bar Code label. Note: If scanning a 2D Bar Code, the Lot Number (Step 6) will also be entered at this time.
6	LOT	Scan the Lot Number Bar Code. Note: If scanning 2D Bar Codes, this step was accomplished during the previous step.
7	CONTROL PROMPT	This prompt indicates completion of the first sequence of the External Restow process steps. At this point you continue scanning other units or press the END key.

**b. Upload to ROLMS**

After scanning the stockpile from one location to the other you must upload the data in the scanner to ROLMS. The following table illustrates the steps for uploading PDT 7200 scanner data into ROLMS.

STEP	ACTION
1	Place the PDT 7200 Scanner in its cradle.
2	Log on to ROLMS as a USER.
3	Select APPLICATIONS on the main ROLMS menu.
4	Select the SCANNER menu.
5	Select SCANNER UPLOAD.
6	Select the START UPLOAD button. (Insure the Print & Save Data Upload boxes are checked.)
7	On the PDT 7200, press the UPLOAD key.
8	In ROLMS a message may or may not appear that states the PDT 7200 data is being processed. If this message appears, press OK to acknowledge.
9	After the data is uploaded, ROLMS will reopen on the SCANNER menu.
10	Select SCANNER RESTOW PROCESS on the ROLMS menu.

STEP	ACTION
11	A ROLMS Confirmation Message Dialog will appear stating that the data will be applied to the ROLMS database. Select the OK button.
12	ROLMS processes the data and reopens the SCANNER menu. This completes the External Restow process. The user can close ROLMS at this time. (See the section on <a href="#">Scanner Reports</a> .)
13	Clear the PDT 7200 memory.

**c. External Restow Process Completion (EXT Function)**  
 (Scanning the 2<sup>nd</sup> time to determine the difference between scans)

STEP	SCREEN PROMPTS	ACTION
1	NAME	Scan or enter name or initials (no more than 10 characters).
2	DOCUMENT NUMBER	N/A for normal sonobuoy processing. Press ENTER to bypass.
3	BLDG/HOLD FROM	Scan the Bar Code for the LOCATION in which the stockpile exists.
4	BLDG/HOLD TO	Scan the Bar Code for the second location.
5	NIIN	Scan the NIIN Bar Code label. Note: If scanning a 2D Bar Code, the Lot Number (Step 6) will also be entered at this time.
6	LOT	Scan the Lot Number Bar Code. Note: If scanning 2D Bar Codes, this step was accomplished during the previous step.
7	CONTROL PROMPT	This prompt indicates completion of the first sequence of the External Restow process steps. At this point you continue scanning other units or press the END key.

**d. Upload to ROLMS**

After scanning your stockpile the 2<sup>nd</sup> time to complete the external restow process, you must upload the data in the scanner to ROLMS. The following table illustrates the steps for uploading PDT 7200 scanner data into ROLMS.

STEP	ACTION
1	Place the PDT 7200 Scanner in its cradle.

NAVAIR 28-SSQ-500-1

STEP	ACTION
2	Log on to ROLMS as a USER.
3	Select APPLICATIONS on the main ROLMS menu.
4	Select the SCANNER menu.
5	Select SCANNER UPLOAD.
6	Select the START UPLOAD button. (Insure the Print & Save Data Upload boxes are checked.)
7	On the PDT 7200, press the UPLOAD key.
8	In ROLMS a message may or may not appear that states the PDT 7200 data is being processed. If this message appears, press OK to acknowledge.
9	After the data is uploaded, ROLMS will reopen on the SCANNER menu.
10	Select SCANNER RESTOW PROCESS on the ROLMS menu. Note: If the 2 <sup>nd</sup> scan <i>gains</i> buoys (compared to the 1 <sup>st</sup> scan) a Scanner Discrepancy Notification Report will print. Gains must be reported as receipts or GANPI's – the External Restow Process will not <i>gain</i> assets.
11	A ROLMS Confirmation Message Dialog will appear stating the data will be applied to the ROLMS database. Select the OK button.
12	ROLMS processes the data and reopens the SCANNER menu. (See the section on <a href="#">Scanner Reports.</a> )
13	Select the HOME button in ROLMS.
14	Select the APPLICATIONS menu in ROLMS.
15	Select the ISSUE/EXPENDITURE menu in ROLMS.

STEP	ACTION
16	Select the <b>ISSUE/EXPENDITURE BY LOCATION PROCESS</b> menu in ROLMS. The Issue/Expenditure by Location menu appears. Note: This menu defaults to the 'Create Expenditure' mode. If the user desires to <b>ISSUE</b> rather than EXPEND go to <b>Step 27</b> . If the user desires to <b>EXPEND</b> go on to <b>Step 17</b> .
17 (EXPEND)	Select the (?) button next to the BLDG/HOLD field and select the second location (where you moved the buoys to in the second scan).
18 (EXPEND)	Press the ACCEPT button. The Expenditure menu appears.
19 (EXPEND)	Select the type of expenditure using the drop down menu (i.e., Operational, Training, etc.)
20 (EXPEND)	If you are expending against a different UIC than your assigned Allocation UIC, enter it in the UIC field. If expending against your own UIC you can leave the UIC field empty.
21 (EXPEND)	Press the LOT DATA button. The Lot Data screen appears.
22 (EXPEND)	Highlight the sonobuoys you wish to expend. You can highlight more than one line.
23 (EXPEND)	Type in the quantity you wish to expend in the QTY EXPEND field.
24 (EXPEND)	Press the EXPEND button.
25 (EXPEND)	Press the APPLY button.
26 (EXPEND)	The document number for the transaction is displayed, press the OK button. This completes the expenditure process. Note: Generate Daily & ATR or move to Issue Process. Close ROLMS if done.
27 (ISSUE)	Open the 'Action' drop down menu and select ISSUE. The top of the screen indicates 'Create Issue'.

STEP	ACTION
28 (ISSUE)	Press the (?) button and select the BLDG/HOLD location for issue from the list provided. Note: This assumes that you are issuing to a location already entered into the ROLMS database (i.e., another base with a UIC whose sonobuoys are not a part of your own stock).
29 (ISSUE)	Enter the UIC to which you are issuing the sonobuoys into the UIC TO field.
30 (ISSUE)	Select Lot Data button.
31 (ISSUE)	Highlight record(s) to be issued. Type in the ISSUE QTY, select generate 1348 if desired, select ISSUE.
32 (ISSUE)	Repeat Issue Process until complete.
33 (ISSUE)	Select APPLY. Note: Generate Daily & ATR or move to Expenditure Process. Close ROLMS if done.
34	Clear PDT 7200 Memory

## Bar Code Label Process

The PDT 7200 scanner software module in ROLMS allows the operator to print linear (1D) and 2D bar codes. The following section describes how to print both types of bar codes through ROLMS.

### Linear vs 2D Bar Codes

The PDT 7200 software allows the operator to print both linear and 2D bar codes. The operator can print 'free form' bar code labels or '2D' bar code labels. Free form bar code labels are limited to the linear (1D) format. When generating asset labels for ordnance, the operator can select either 2D or linear bar code format. The following charts describe the Bar Code printing process. A decision tree version of the chart can be found [HERE](#).

**Printing Bar Code Labels from the ROLMS Computer**

<b>STEP</b>	<b>SCREEN PROMPTS</b>	<b>ACTION</b>
1	-	Log in to ROLMS as a user.
2	-	Select APPLICATIONS menu.
3	-	Select SCANNER menu.
4	-	Select BAR CODE LABEL PROCESS.
5	-	To generate Free Form Labels go to step 6. To generate Asset Labels go to step 12.
6	(Free Form)	Select FREE FORM LABELS.
7	(Free Form)	Type in your label data in the Free Form box (i.e., NAME, BLDG/HOLD, etc.), no more than 10 characters with no spaces. Type in the number of labels desired for the data entered and select APPLY. If generating more than one label (with different names, buildings, etc.), type in the label data and choose the number of labels desired, then select APPLY. Repeat this process until all label data is entered.
9	(Free Form)	Select PRINT. Select OK on the message dialog box. The Bar Code Label Print Page appears.
10	(Free Form)	Select ACCEPT and highlight the label data for print or select MARK ALL.
11	(Free Form)	Select APPLY. The label(s) print.
12	(Asset Labels)	Select ASSET LABELS.
13	(Asset Labels)	Select 2D LABEL TYPE.
14	(Asset Labels)	In the SERVICE drop down menu select ALL.
15	(Asset Labels)	BLDG/HOLD: Type in the Bldg/Hold you wish to print labels for.

STEP	SCREEN PROMPTS	ACTION
16	(Asset Labels)	To print bar code(s) for a pallet or partial pallet ( <b>more than 1 unit</b> ), go to <b>Step 17</b> . To print bar code(s) for <b>one unit</b> go to <b>Step 20</b> .
17	(Asset Labels) (Pallet or Partial Pallet Bar Code Labels)	NUM LABELS: Choose the number of labels you wish to print (defaults to 2, change to quantity of labels desired – i.e., the number of pallets with a specific quantity). Select ACCEPT.
18	(Asset Labels)	<p>The BAR CODE LABEL...GENERATE BUILDING screen appears, highlight the label data for print.</p> <p><b>Note:</b> Change the LABEL QTY number to match the quantity desired on the bar code label (i.e., a quantity of 48 for a full pallet or a lesser quantity for a partial pallet). <b>Note:</b> cannot exceed the total quantity available (L/S QTY).</p> <p>If changing the LABEL QTY box, select CHANGE. Select APPLY.</p> <p><b>Note:</b> If you change the LABEL QTY a message dialog box will ask if you want the changed quantity applied across the Entire L/S QTY – select NO.</p> <p>If you desire to generate additional bar codes at this point, select CLOSE and repeat the process for the additional bar code labels and quantities. If you do not desire to create more bar codes at this point select PRINT.</p>
19	(Asset Labels)	The BAR CODE LABEL...PRINT screen appears. Select 2D on the Label Type drop-down menu. Select ACCEPT. The bar code labels you created appear. Select MARK ALL. Select APPLY. A confirmation message dialog box appears, select OK. The bar codes print.
20	(Asset Labels) (Individual Unit Bar Code Labels)	NUM LABELS: Choose the number of labels you wish to print (defaults to 2, change to quantity of labels desired – i.e., the number of units which you wish to label). Select ACCEPT.

Continued on next page...

STEP	SCREEN PROMPTS	ACTION
21	(Asset Labels)	<p>The BAR CODE LABEL...GENERATE BUILDING screen appears, highlight the label data for print.</p> <p><b>Note: Change the LABEL QTY number to 1 (i.e., a single unit).</b></p> <p><b>Select CHANGE. Select APPLY.</b></p> <p><b>Note: A message dialog box will ask if you want the changed quantity applied across the Entire L/S QTY</b>                      – select NO if only one bar code label is desired.                      – select YES if one bar code for each unit (L/S QTY) is desired.</p> <p><b>If you desire to generate additional bar codes at this point, select CLOSE and repeat the process for the additional bar code labels and quantities. If you do not desire to create more bar codes at this point select PRINT.</b></p>
22	(Asset Labels)	<p>The BAR CODE LABEL...PRINT screen appears. Select 2D on the Label Type drop-down menu. Select ACCEPT. The bar code labels you created appear. Select MARK ALL. Select APPLY. A confirmation message dialog box appears, select OK. The bar codes print.</p>

Note:

To print 2D bar codes using the PDT 7200 scanner and the PT400 printer ‘On The Fly,’ select the UP key which will take you to the Review Function Menu on the PDT 7200. Press the UP key until the NIIN you wish to print is displayed. When the correct NIIN is displayed, press PRINT on the Review Function Menu of the PDT 7200 (see [Figure 8](#) in the Scanner Presets section of this manual.) Press ‘Y’ (Yes) when asked ‘Print All Lot/Serial Labels?’ (Insure the PT400 printer is connected to the scanner and powered up before doing this process.)

## Scanner Presets

The PDT 7200 Series scanner has a system setup program that allows you to configure many of the scanner's basic characteristics. Specifically, the setup program is made up of five screens and defines:

- ◆ Contrast Value
- ◆ Backlight
- ◆ Beeper Volume
- ◆ Suspend Time
- ◆ Backlight Time
- ◆ Boot Sequence
- ◆ Reset Time
- ◆ CPU Speed
- ◆ System Date And Time

Setup also displays the Scanner Type and RAM and Flash sizes. This describes how to set each of these default values using the setup program.

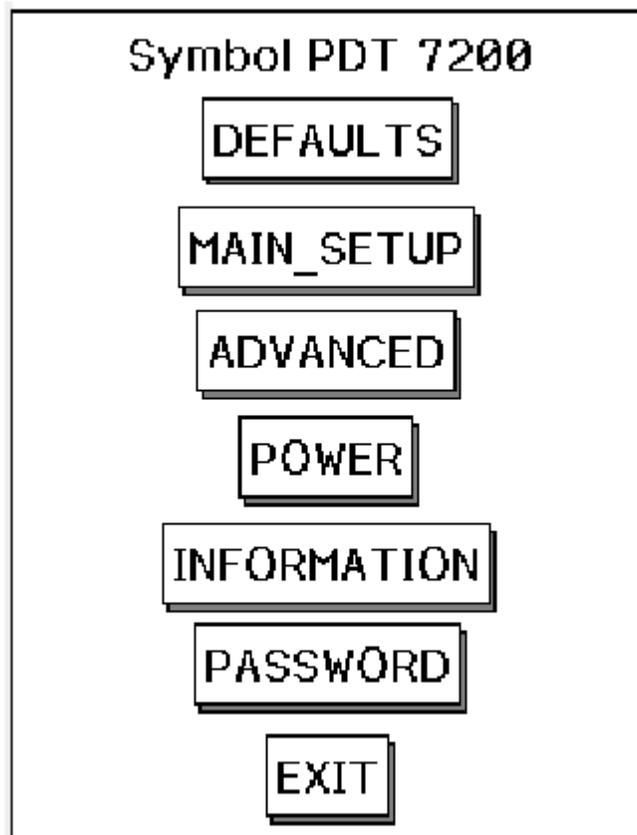
## Navigating Setup

The setup program is a touch-sensitive application, so use your finger to tap the buttons on the screen.

## Invoking Setup

To invoke the setup application:

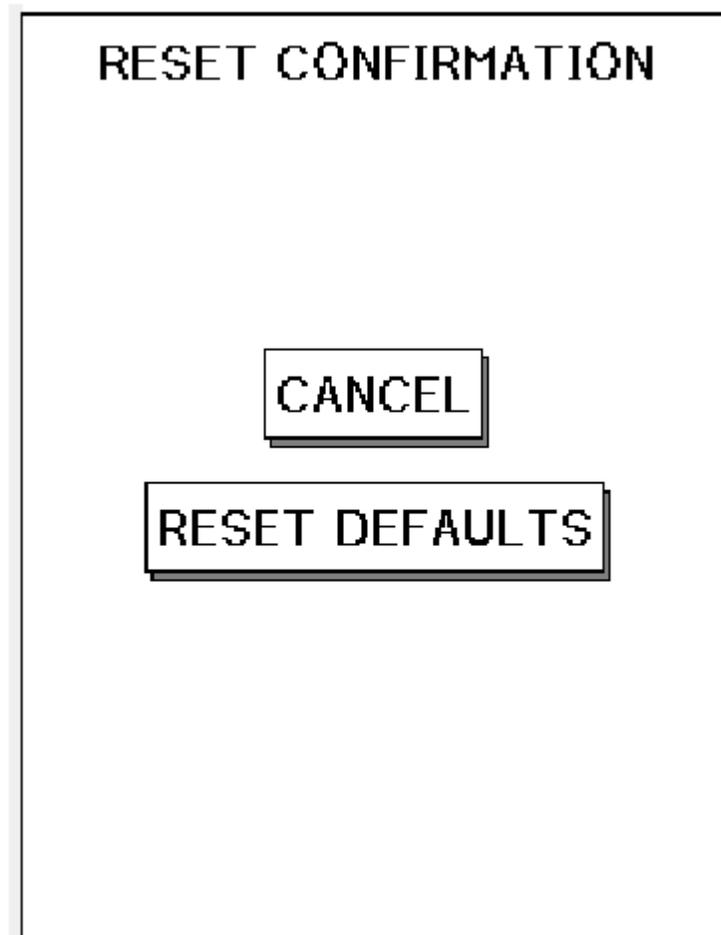
1. Start the scanner by performing a cold boot (press the power button without holding the trigger until the scanner reboots). While the scanner is booting, a message displays on the bottom of the screen, "Hold Trig for Setup".
2. Press and hold the scan trigger button, until the setup application starts. The Symbol PDT 7200 Setup screen displays, providing the menu of setup options for selection, see Figure 1.



**Figure 1. PDT 7200 Setup Screen**

**Defaults**

Selecting the Defaults option on the main setup screen displays the Reset Confirmation screen, which allows you to confirm your request to reset the scanner's features to the factory defaults. To cancel the reset and return to the Main Setup screen, tap the CANCEL option. To confirm the resetting of default values tap the RESET DEFAULTS option, see Figure 2.



**Figure 2. Set Defaults Screen**

## Main Setup

Selecting the Main Setup option on the PDT 7200 Setup screen displays the Main Setup screen, see Figure 3.

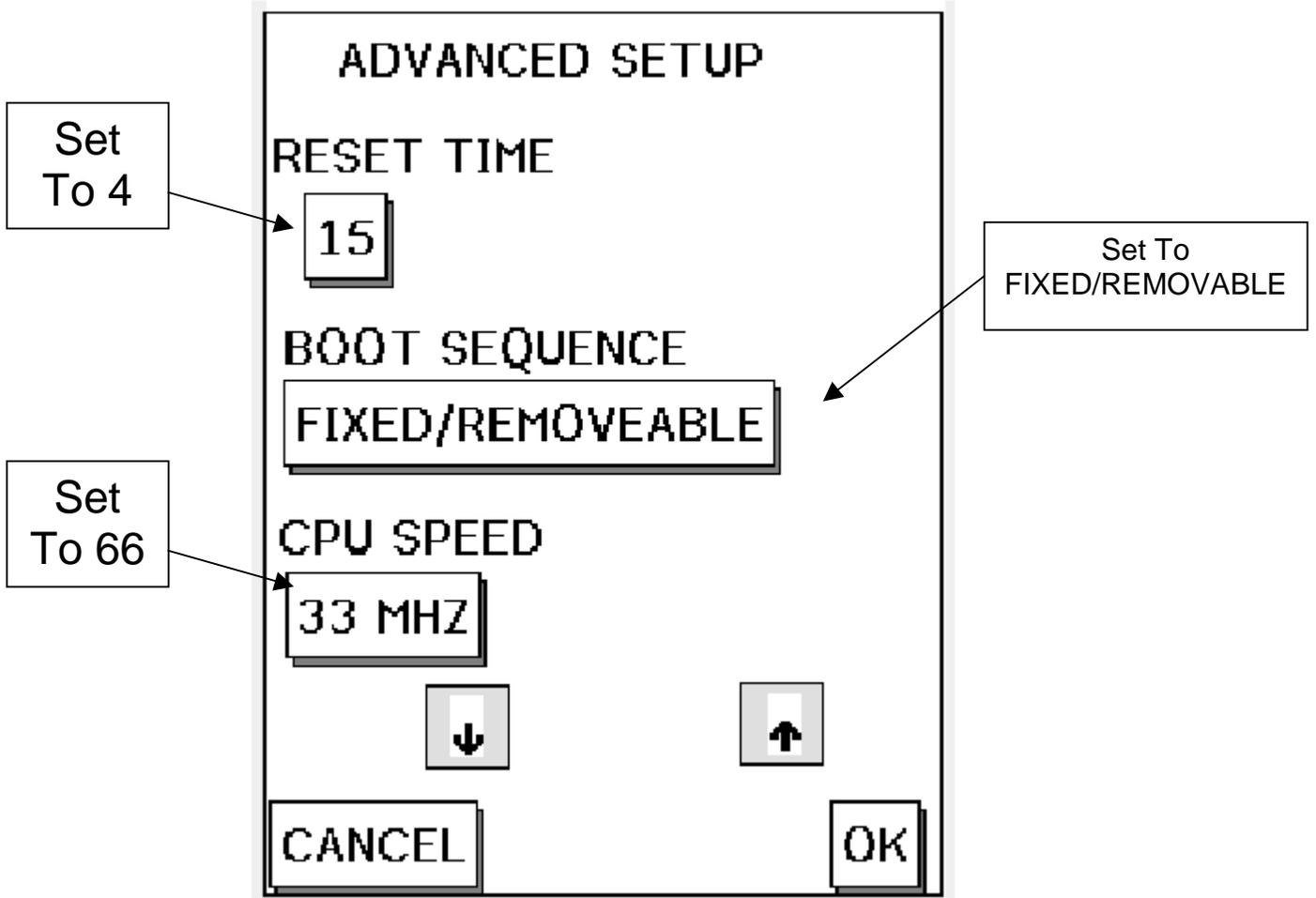
MONTH	DATE	YEAR
JAN	1	1980
HOUR	MIN	SEC
0	27	52
CONT	BACKLIGHT	VOL
16	OFF	HIGH
	↓	↑
CANCEL		OK

**Figure 3. Main Setup Screen**

This screen allows you to set the system clock for the scanner, and set the desired screen contrast, backlight, and beeper volume. To change the values in any of the fields, tap with your finger to highlight the field, then use the up and down arrow buttons to scroll through the available options for each field. When the correct value is entered in each field, tap OK. Tap CANCEL to exit this screen without saving changes and return to the PDT 7200 Setup screen.

**Advanced**

Selecting the Advanced option on the PDT 7200 Setup Screen displays the Advanced Setup screen, see Figure 4.

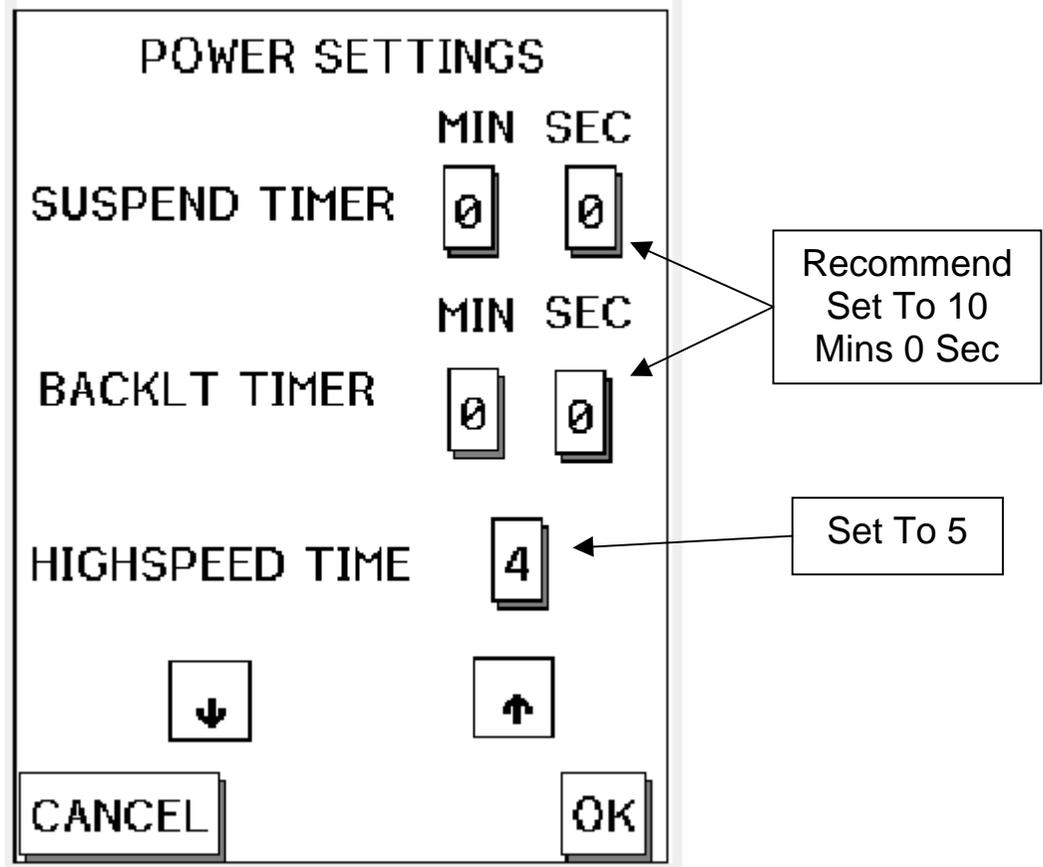


**Figure 4. Advanced Setup Screen**

This screen allows you to set the reset time, which is the period of time in seconds that the power icon must be pressed to cold boot the scanner; the boot sequence, which defines the order in which the system should boot, and the allowable CPU speed. To change the reset time, tap in the Reset Time field, and use the up and down arrow buttons to change the value. The Boot Sequence and CPU Speed fields each have pull-down menus to select from. When you tap on the field, the pull-down menu displays. When the desired values are displayed in all the fields, tap OK. Tap CANCEL to return to the PDT 7200 Setup screen without saving changes made to this screen.

**Power**

Selecting the Power option on the PDT 7200 Setup screen displays the Power Settings screen, see Figure 5.



**Figure 5. Power Settings Screen**

This screens allows you to define:

- ◆ Suspend Timer: the period of inactive time after which the scanner suspends, in minutes and seconds.
- ◆ Backlight Timer: the period of time after which the backlight turns off, in minutes and seconds.
- ◆ High Speed Time: defines how long the CPU stays at 66 MHz when the system does not detect any activity before dropping to 33 MHz. The following table illustrates the times associated with each value.

**Note:** *This field has no effect unless the CPU speed is set to 66 MHz. Higher numbers increase power consumption.*

To modify the values in any of these fields, tap the field to be changed, and use the up and down arrow keys to select the appropriate value. When all fields display the correct values, tap OK to accept. Tap CANCEL to exit this screen without saving the changes, and return to the PDT 7200 Setup screen.

<u>Timer Value</u>	<u>Time at 66 MHz (in seconds)</u>
0	Does not drop to 33 MHz
1	0.125
2	0.25
3	0.5
4	1
5	4
6	8
7	16

### Information

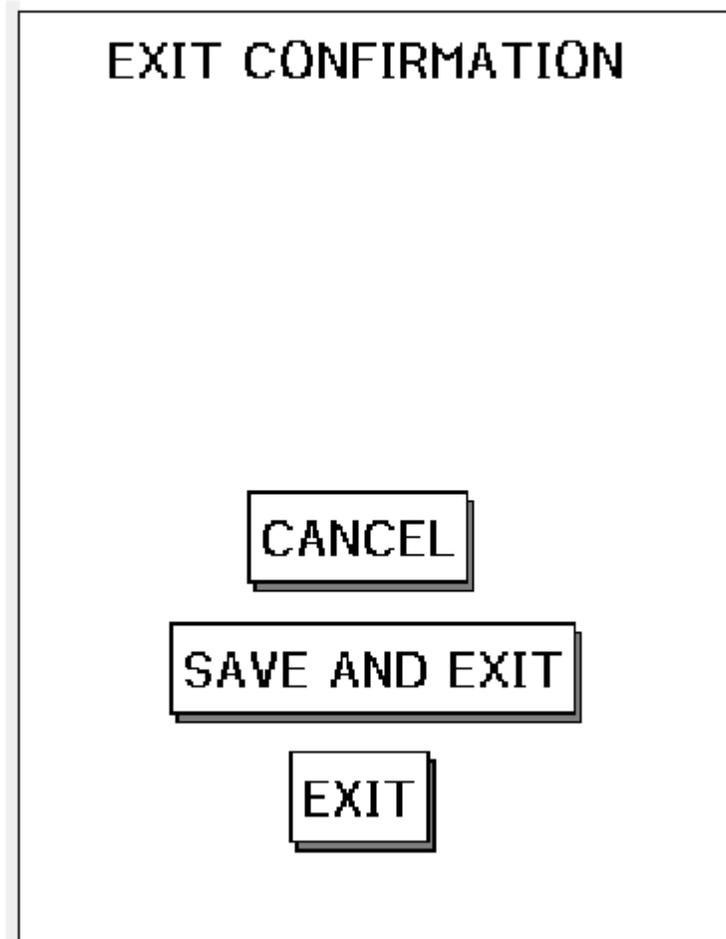
This is a read-only screen.

### Password

It is not recommended that a password be set for the scanner.

## Exit

Selecting the Exit option from the PDT 7200 Setup screen displays the Exit Confirmation screen, see Figure 6.



**Figure 6. Exit Confirmation Screen**

This screen allows you to determine how you want to exit the setup. To cancel the exit request, tap CANCEL. To save the changes you've made to the setup, tap SAVE AND EXIT. To exit without saving the changes you've made to the setup, tap EXIT.

## The PDT 7200 Main Scanner Screen

The PDT 7200 Series scanner displays a screen, see Figure 7, that allows you to select one of the following processes:

- ◆ Issue Process (ISS)
- ◆ External Restow Process (EXT)
- ◆ Internal Restow Process (INT)
- ◆ Receipt Process (REC)
- ◆ Inventory Process (INV)
- ◆ Data Upload (UPLOAD)

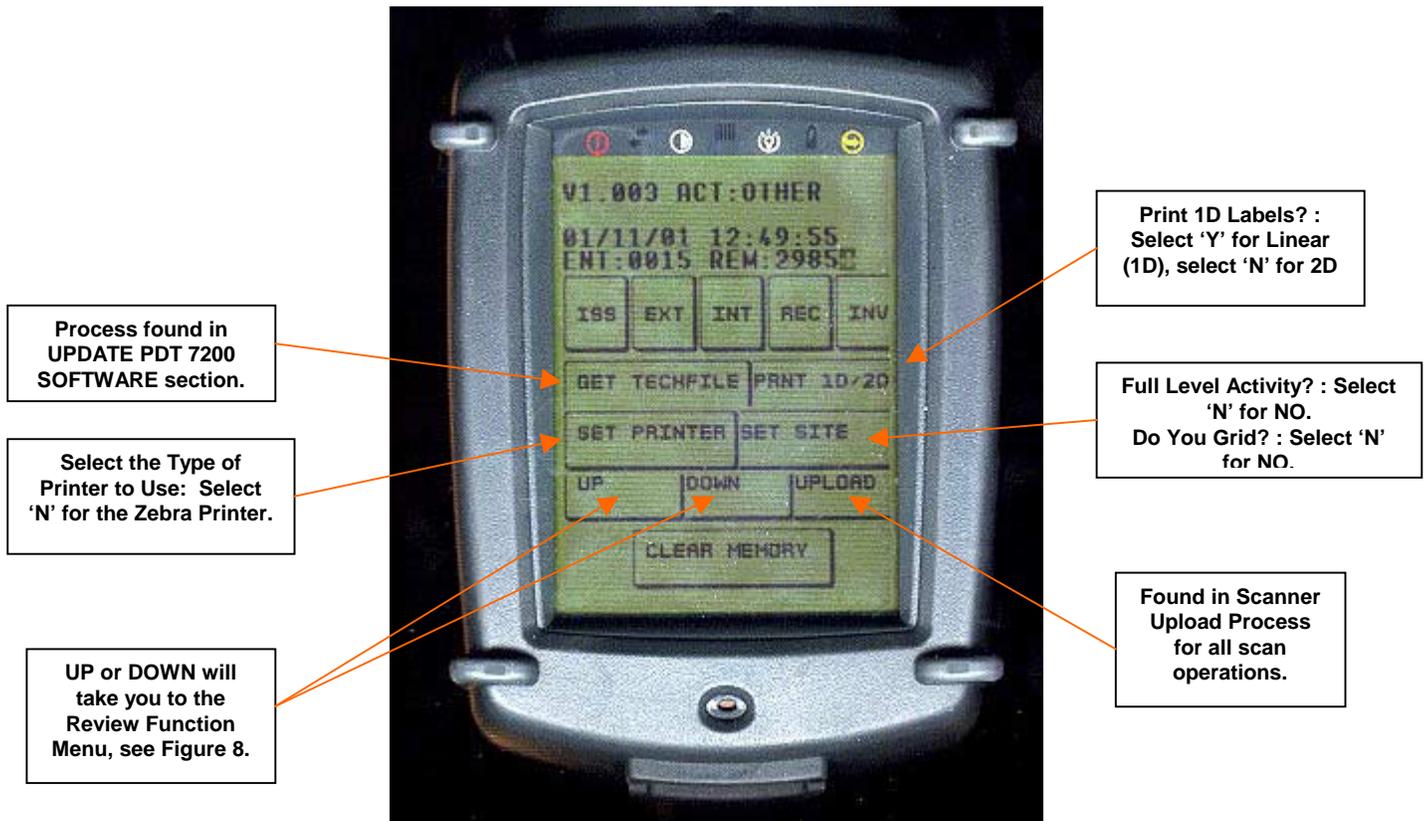


Figure 7. Main Scanner Screen.

## Review Function Menu

This menu allows the operator to modify scanned data and print bar codes 'on the fly', see Figure 8.

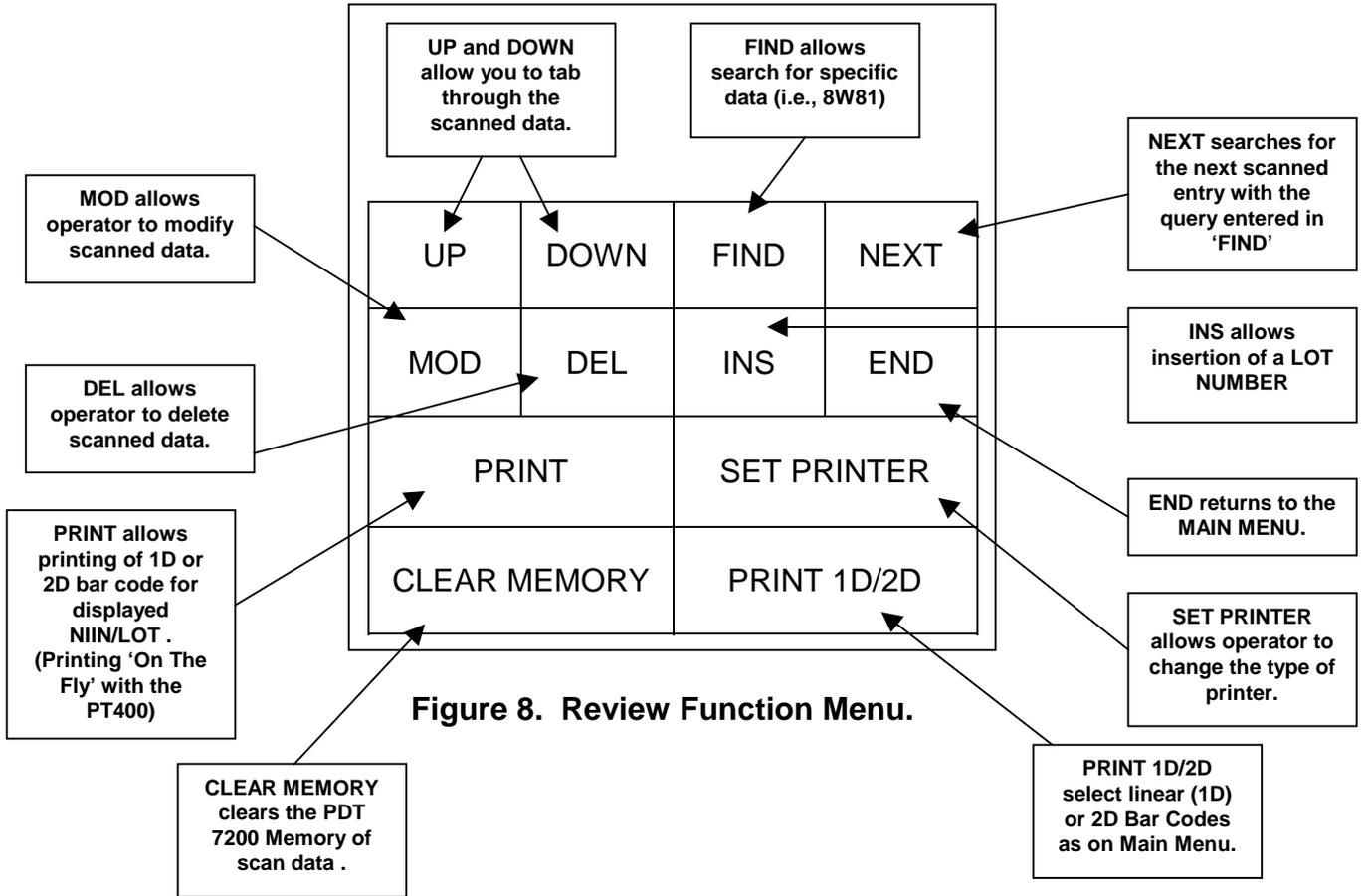


Figure 8. Review Function Menu.

### Process Screen

This is the first screen that appears when a scan process is selected (Step 1, where the Name is entered in this illustration), see Figure 9.

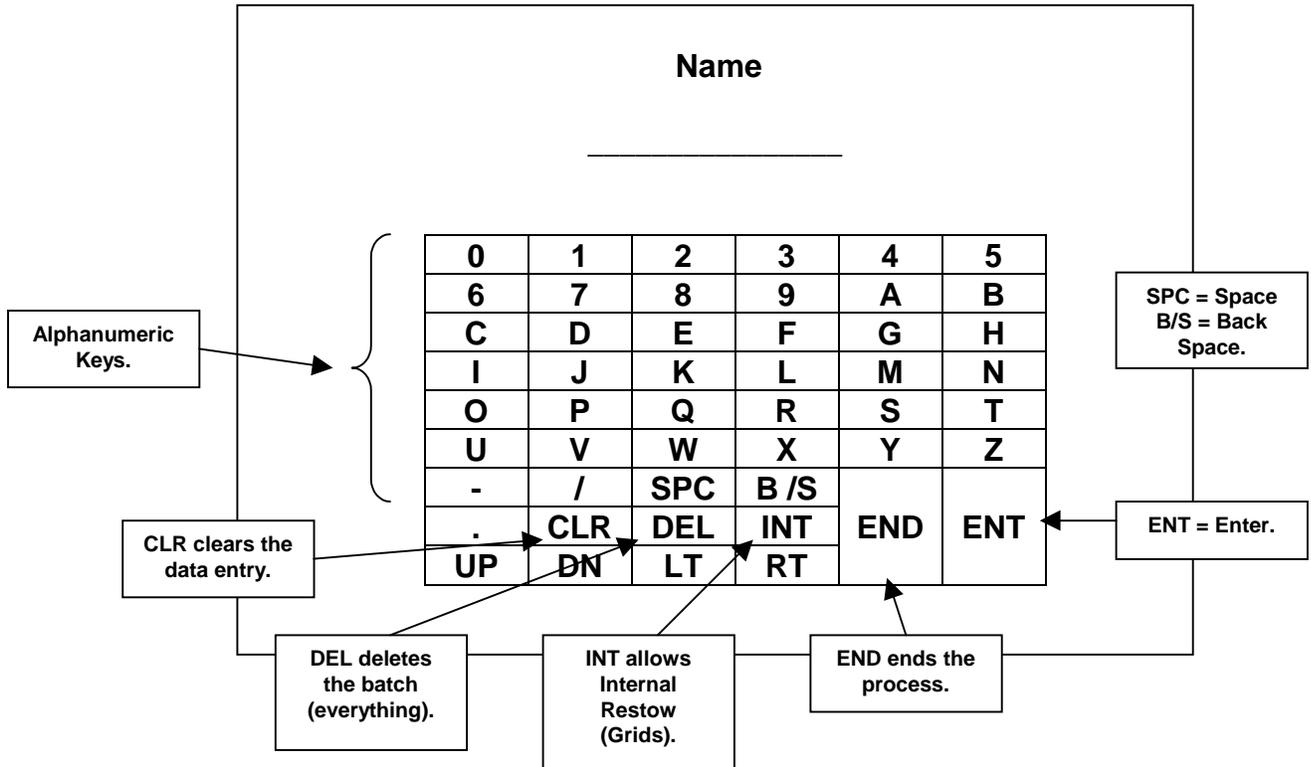
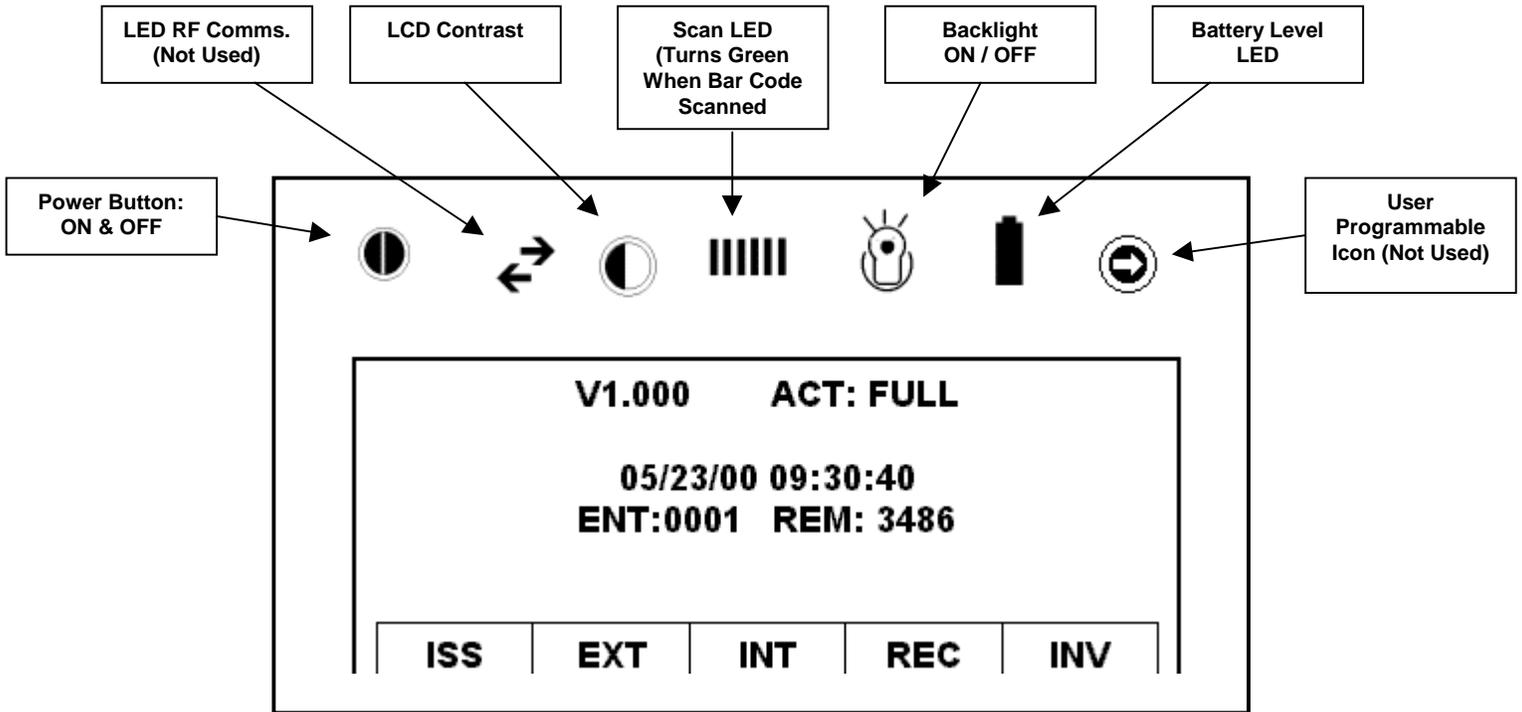


Figure 9. (Initial) Process Screen.

## Scanner Icons & Data Display

The scanner has several icons on the top of the display screen and a 'data display' area above the keys, see Figure 10.



**Figure 10. Scanner Icons and Data Fields.**

- Note: (1) First line displays PROGRAM VERSION and ACTIVITY TYPE  
 (2) Second line is Current DATE & TIME.  
 (3) Third line displays the total number of labels entered 'ENT' and number of additional labels that can be entered.