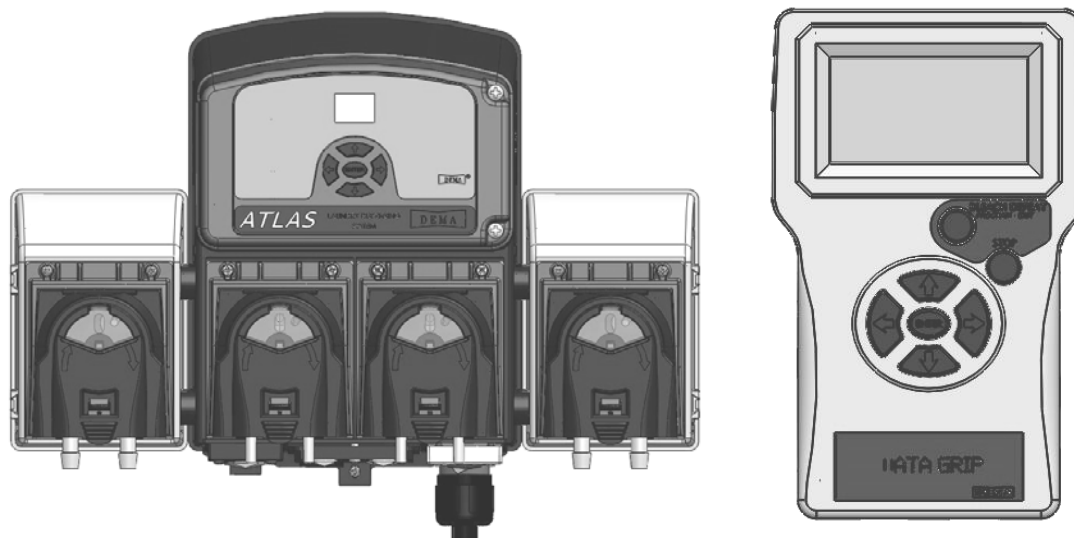# DEMA DATA GRIP

Overview

The Data Grip is a data management system intended to integrate with the Atlas Laundry System to provide data management of the chemicals used, cycles ran, product cost and produce invoicing. The Data Grip is designed to use the Signal Transfer Unit and IQ-85 Control board in order to maintain quality data and convert it to usable reports.

Warnings

Installation of DEMA products must meet all applicable electrical codes and regulations established by national, city, county, parish, provincial or other agencies. It is possible that electrical codes and regulations require that a certified electrical contractor or engineer perform the electrical installation. For questions, contact a certified electrician.

ALL ELECTRICAL POWER MUST BE TURNED OFF TO THE DISPENSER AND TO THE APPLIED MACHINE.

All installations must conform to local plumbing codes and use approved backflow prevention devices. A pressure indicating tee is to be installed with existing faucets according to local plumbing codes in the state of Wisconsin and any other state that requires the use of a pressure indicting tee.

ALWAYS WEAR PROTECTIVE CLOTHING AND EYEWEAR WHEN WORKING WITH CHEMICAL PRODUCTS.

Table of Contents

Specifications

Packing List

	PART NO.	NOMENCLATURE	QTY.
A.	84-65-39DG	DATA GRIP Control Kit	1
B.	84-27-4	6 Foot RJ-45 Patch Cable	1

Operational Requirements

The STU (Signal Transfer Unit) <u>must</u> be connected between the IQ-85 (844P) board and the laundry machine.

The Data Grip can be connected to the IQ-85 board or to the STU board with an RJ-45 Patch Cable.

The Data Grip will be powered through the RJ-45 cable from either the control board or STU board.

Overall Size & Weight

Parts List

This is a list of replacement parts that may be necessary to have the DATA Grip function properly.

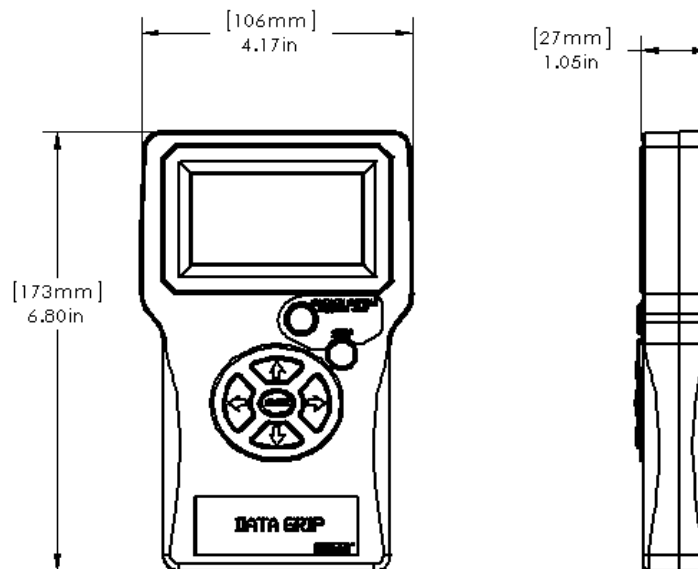| Part No.	Description	Contains
84.65.6	STU Replacement Kit	STU Assembly, Velcro, Inst. Sheet
84.27.3	RJ-45 Cable	25 foot patch cable
84.27.4	RJ-45 Cable	8 foot patch cable
84.27.5	RJ-45 Cable	50 foot patch cable
84.27.6	RJ-45 Cable	75 foot patch cable
84.65.28	IQ-85 Replacement Board for Atlas	IQ-85 control board

Installation

The STU (Signal Transfer Unit) <u>must</u> be connected between the IQ-85 (844P) board and the laundry machine.

- If the STU is not already wired to the laundry machine, determine whether the 844P will be operated in the NORMAL, RELAY or SEQUENCE mode. Then wire the STU to the laundry machine as shown in the **STU Wiring Configuration** charts in the Atlas Installation Instructions (I-907).

- Next, connect the STU to the IQ-85 board with an RJ-45 Patch Cable.
  NOTE: The STU <u>must</u> be connected to the IQ-85 board for the DATA GRIP to work.

- Finally, connect the DATA GRIP to the IQ-85 or the STU board with an RJ-45 Patch Cable.

Up to thirty formulas may be programmed into the DATA GRIP. Most of the action screens are intuitive and easily understood. You can always use the *PROGRAM-EXIT* button (Bleach Defeat button) to back out of a display or to keep going backward until you find the display you are looking for. Use the **ENTER** button to activate the display that is shown on the DATA GRIP screen.

The buttons on the face of the DATA GRIP are as follows:

- **BLEACH DEFEAT (*Program-Exit*)**
  Pressing this button will <u>toggle</u> the Bleach pump '*off*' or '*on*'.
  Otherwise, it is used as a *PROGRAM-EXIT* button to 'back up' one screen at a time in order to get back to the previous menu screen.

- **STOP**
  Used to, immediately, stop a pump while in operating mode.
  Used to edit custom Formula, Chemical and Account Type names in the program mode.

- **ENTER**
  Used to 'go to' the next screen or to take an action that is shown on the display screen. When a value is keyed into the DATA GRIP, the ENTER button must be pressed for the value to be programmed.

- **DIRECTION ARROWS   (⬆ ⬇ ⬅ ➡)**
  Are used intuitively to increase or decrease display numbers or to move about the display.

When the dispenser is powered up, the DATA GRIP screen will activate. The following information will be displayed:

- Formula number.
- Total load count of the displayed formula.
- All of the pumps indicated by a pump number. The DATA GRIP will show six pumps no matter how many pumps are actually being used.
- The formula 'name' (i.e. *Sheets-White*).
- The product being dispensed (or if a pump is <u>not</u> presently running, the <u>last</u> product dispensed (i.e. *Sour*).
- BLEACH DEFEAT status (i.e. *Off*)

Note: When in this initial display mode, depressing the left arrow key several times will *darken* the display. Depressing the right arrow key several times will *lighten* the display.

****** IMPORTANT ******

BEFORE USING THIS PRODUCT, PLEASE READ THE NOTE BELOW AND CLEAR ALL PROGRAMS ON INITIAL USAGE OF THIS PRODUCT.

ON THE VERY FIRST USAGE OF THE DATA GRIP (NEW OUT OF THE BOX) CONNECT THE DATA GRIP TO THE LAUNDRY SYSTEM AS DESCRIBED ABOVE. POWER IT UP, ENTER PROGRAMMING AND PROCEED TO THE UTILITY MENU. "CLEAR ALL PROGRAMS" BEFORE USING THE DATA GRIP FOR THE FIRST TIME. THIS WILL ONLY NEED TO BE DONE AT INITIAL USAGE. IT IS NOT NECESSARY TO CLEAR ALL PROGRAMS AFTER THE INITIAL CLEARING. SEE PROGRAMMING SECTION BELOW TO NAVIGATE TO UTILITY MENU. PAGES 9 AND 10 OF THIS INSTRUCTION MANUAL SHOW THE OPTIONS AND HOW TO "CLEAR ALL PROGRAMS."

ALWAYS SEND A PROGRAM FILE FROM A DATA GRIP TO EVERY ATLAS THAT IS BEING SET UP. THE DATA GRIP THAT IS BEING USED TO SEND THE FILE MUST HAVE BEEN CLEARED AT INITIAL USAGE AS DESCRIBED IN THE PREVIOUS PARAGRAPH. THE PROGRAM FILE CAN BE A FILE THAT CONSIST OF NO SET UP OR A PROGRAM FILE THAT WAS USED ON A PREVIOUS SETUP

ACCESS AND USER CODES: The access and user codes MUST match exactly when you connect a DATA GRIP to an Atlas Laundry Dispenser. For a new out of the box Atlas and DATA GRIP, the access and user codes will both be set to zero and will connect fine. For a new DATA GRIP and a used or installed Atlas, the access codes must match and resetting the Atlas Control Board can be done through shorting the test points on the board. If the Data Grip is previously used and the Atlas Laundry system is previously used and the passwords do not match, each will have to be reset and resetting the Atlas Control Board can be done through shorting the test points on the board. When you reset the password on the Data Grip, ALL COST AND PRICE INFORMATION WILL BE LOST IN THE DATA GRIP.

Operation

How to Program the Unit. Before using this product, clear all programs.

```
    DATA GRIP  V2.1
    ENTER ACCESS OR
   USER ACCESS CODE
        = 0000
          ⬆
 PRESS ENTER TO PASS
 PRESS EXIT TO RETURN
```

```
 DO YOU WANT TO SYNC
  WITH THE DISPENSER?

 ➡ NO (SKIP)
    UPDATE REMOTE
    UPDATE DISPENSER
```

```
 ➡ FOLDER    1
    FOLDER    2
    FOLDER    3
    FOLDER    4
    FOLDER    5
    FOLDER    6
    FOLDER    7
    FOLDER    8
```

```
 MAIN
  ➡  SETUP
     CONFIGURE
     UTILITY
     PRIME PUMP
     CALIBRATE
     DATA MANAGEMENT
```

1) Press ENTER to access programming.
2) Use the right and left buttons to navigate to the 4 digits and use the up and down buttons to change the digits so that they read the 4 digit numeric code. The factory default code is 0000. (See Set Access Code for detailed information)
3) Press ENTER.
4) Using the up and down arrow buttons select the desired Program to ENTER and modify. Each program can have up to 30 Formulas. When you ENTER a Program all changes that you are making are modified in that program. Also when going to the Utility menu the Sending and Capturing features are sending and capturing the program that has been entered.
5) Using the up and down arrow buttons select the appropriate sync option.
6) Press ENTER.
   Note: If the remote is entering programming for the first time since it was last powered up the DO YOU WANT TO SYNC screen will be displayed. Otherwise this screen will be skipped and the MAIN MENU will be displayed.
7) Using the up and down buttons select an area to ENTER and begin setup or programming.
8) Press ENTER.

The illustrations and text in the proceeding pages discuss the various menus, programming and set up procedures.

Main Menu

Move the cursor up and down to the desired menu and press ENTER. The following pages in this instruction manual describe the function and how to program the features within the various menus.

```
SETUP
➡  Clear Load Counts
    Pump Volume
    Formula Lockout
    Set Sequence (Drain)
    Set Units
    Test Formulas
    STU Settings
```

```
CLEAR LOAD COUNTS?
        YES        Clear Loads

    ➡  No         (exit)

  (All Dispenser load counts
   to be cleared)
```

```
  Pump Volume

  FORMULA = 01◀

  Use Arrow Keys
  Press ENTER to Select
```

```
  F01    L1      L2     Del
P1    ▶000    000s   000s
P2      000    000s   000s
P3      000    000s   000s
P4      000    000s   000s
P5      000    000s   000s
P6      000    000s   000s
P7      000s           Time
```

Setup Menu

Move the cursor to each menu selection and press ENTER to modify. See details below of each menu option.

Clear Load Counts

1) The Load Count screen is self explanatory. Select with the arrow then press ENTER. This will clear and reset the load counts in all of the formulas back to zero.

Pump Volume

First Screen – Selecting formula to be programmed.

1) Select the Formula number with the up and down buttons.
2) Press ENTER. The next screen will display the level 1 and 2 and delay settings.

Second Screen – Pump run and delay times and flush time.

3) Each programmable field shown on this screen represents LEVEL 1, LEVEL 2 and DELAY for each pump. Pumps are listed on the left side P1-P7. **Note:** P7 is the flush when flush system is activated.
4) Using the arrow keys navigate to the desired location to be programmed.
5) Press the ENTER key and the first zero far right of that field will begin to flash. Move the cursor under the desired digit to make adjustments of 0-9. Set the values so that the three character field shows the desired value. (i.e. *023 or 115)* The units available are s = seconds, ml = milliliters and oz = ounces. Units can be changed in the Units selection menu. *Note: ml and oz require the use of the calibration system – see calibration section for instruction.*
6) Press the ENTER key and that value will be stored.
7) Repeat these steps to set other values on this screen.
8) Use the PROGRAM –EXIT button to back out to the previous screen to move to a new formula.

*Level Mode is automatically turned "on" when a value is entered into any L2 settin

```
┌─────────────────────────────┐
│    FORMULA LOCKOUT          │
│                             │
│  ➡  FORMULA= 03             │
│  Select,   Press ENTER      │
│                             │
│    TIME in MINS = 23        │
│                             │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│    FORMULA LOCKOUT          │
│                             │
│    FORMULA= 03              │
│  Select,   Press ENTER      │
│                             │
│  ➡  TIME in MINS = 23       │
│                        ⬆    │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│    SET SEQUENCE             │
│                             │
│  ➡   FORMULA = 03           │
│      SEQUENCE = 04          │
│                             │
│  *    * *          *        │
│  1  2  3  4  5  6  7  F      │
│                             │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│    SET SEQUENCE             │
│                             │
│      FORMULA = 03           │
│  ➡  SEQUENCE = 04           │
│                             │
│  *    * *          *        │
│  1  2  3  4  5  6  7  F      │
│                             │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│    SET SEQUENCE             │
│                             │
│      FORMULA = 03           │
│      SEQUENCE = 04          │
│                             │
│  *    * *          *        │
│  1  2  3  4  5  6  7  F      │
│  ⬆                          │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

Formula Lockout
1) Using the up and down buttons select the Formula number. Press ENTER.
2) Using the arrow buttons move the cursor to the two digit selection and make adjustments 0-9. Set the values to read the desired LOCKOUT time in minutes.
3) Press ENTER to save.
4) Input the same information for the other Formulas.
5) Use the **PROGRAM-EXIT** button to back up to the SETUP screen.

Set Sequence
Note: In order to use the sequence mode the STU must be wired for the SEQUENCE MODE as shown in the 844P Atlas installation manual.
1) Press ENTER and use the up or down buttons to select the Formula number.
2) Press ENTER and use the up or down buttons to select the sequence 'event' (1 thru 16) closest to the time activation of the selected pump.
3) Press ENTER and use the left and right buttons to select the pump to be activated and press the up arrow to select it. An * will appear above the selected pump (to deselect press the down arrow). Up to three pumps may be selected to run at the same time.

Note: The 'F' means 'Final Event', (not Flush) and it must be selected when finished. The final event is used to reset the sequence system on the last trigger signal from the laundry machine.

To check the sequence programming, perform steps 1 and 2 and scroll thru the events looking for the "*" above the appropriate pumps.

```
┌─────────────────────────────┐
│  SET UNITS                  │
│                             │
│  Set Units to:              │
│     ➡ TIME                  │
│        ENGLISH              │
│        METRIC               │
│                             │
│  Press ENTER to Save        │
└─────────────────────────────┘
```

TIME➡--DATA
ACCEPTED--
ENGLISH / METRIC
⬇

```
┌─────────────────────────────┐
│    --DATA ACCEPTED--        │
│                             │
│   WARNING  !!               │
│   Pumps must be             │
│   calibrated before         │
│   using the volume          │
│   feature.                  │
│                             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│  FORMULA TEST               │
│              ⬆              │
│    Formula = 1              │
│              ⬇              │
│  ⬅ Pump 1 Level 1 ➡         │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│  STU Settings               │
│                             │
│  ➡AFS Calibration           │
│     Trigger Time            │
│                             │
│                             │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│   AFS Calibration           │
│                             │
│   Expected      Actual      │
│      ⬆                      │
│     25            26        │
│      ⬇                      │
│                             │
└─────────────────────────────┘
```

Set Units
1) Move the cursor up and down to the desired unit of measure. Time = seconds, English = Fluid Ounces, and Metric = milliliters.
2) Press ENTER to set the desired units.

Note: If English or Metric units are selected, a reminder to calibrate the pumps will be displayed, and the system will switch over the pump calibration screen. See Page 13 for more information on Calibration.

Test Formulas
This feature allows each pump and flush to be tested manually. The function of this feature will allow the programmed amount of pump run time and flush time to be operated manually.
1) Move to the desired formula using the "up" and "down" buttons.
2) Move to the desired Pump and Level using the "right" and "left" buttons.
3) Press the "ENTER" button and the pump will run the amount of time that has been programmed for the selected formula/pump level.

STU Settings
AFS Calibration will allow the system to automatically adjust when the incorrect formula is selected using the AFS system.
Trigger Time will allow modification of the qualifying trigger time to operate pumps.
Mover cursor to desired selection and press ENTER to modify.

AFS Calibration
1) Use the "right" and "left" buttons to move the cursors between Expected and Actual. Use the "up" and "down" buttons to adjust the values.
2) Press "enter" to save.
Note: The range of formulas to use for calibration is 12-25. The system will adjust all formulas respectively below and above the formula used for calibration.

```
   Trigger Time

         ⬆
        05
         ⬇
```

Trigger Time
Adjust the qualifying trigger signal time from 2 seconds to 30 seconds.
1. Use the "up" and "down" buttons to adjust the trigger time.
2. Press "enter" to save.
Note: The default trigger time is 5 seconds.

Configure Menu
Move the cursor to each menu selection and press ENTER to modify. See details below of each menu option.

```
CONFIGURE
 ➡   Set Level Mode
     Set Operate Mode
     Set Flush Mode
     Load Count Select
     Bleach Def Select
     Set Default Formula
     ENTER Program Names
```

Set Level Mode
1) The Level Mode allows you to choose multiple levels of pump programming. Select ON or OFF with the up and down buttons.
2) Press ENTER.
*Level Mode is automatically turned on when a value is added to the L2 setting under the Pump Volume setting.
*Load Count Pump resets Level Mode

```
LEVEL MODE

  Set Level Mode
      ➡Off
        On
Press ENTER to Save
```

Set Operate Mode
1) Use the up and down buttons to select the desired operation mode.
2) Press ENTER.
   Note:
   - NORMAL = programmed formulas into DEMA laundry dispenser, use remote or Auto Formula Select to select formulas.
   - RELAY = formulas are programmed into the laundry machine and only a flush is programmed into the DEMA laundry dispenser.
   - SEQUENCE = uses a single trigger signal from laundry machine and Normal programming features.

```
OPERATE  MODE
       Set operate mode

    ➡ NORMAL
       RELAY
        SEQUENCE

Press ENTER to Save
```

Set Flush Mode
1) The Flush mode is used in conjunction with a flush manifold system. Select the ON or OFF with the up and down buttons
2) Then press ENTER.

```
FLUSH MODE

   Set Flush Mode
       ➡ON
         OFF

Press ENTER to Save
```

```
  LOAD COUNT PUMP

 ➡ FORMULA = 01
  Select, Press ENTER

 PUMP NUMBER = 4

 Press ENTER to Save
```

Load Count Select
1) Select the Formula with up and down buttons.
2) Press ENTER.
3) Select the Load Count Pump with the up and down buttons.
4) Press ENTER to save.
Note: Each formula has a specific load count pump. It is necessary to program a load count pump for each formula to be used in application. The Load Count Pump resets the Level Mode. It is recommended that the last pump to be used on each formula is designated as the Load Count Pump.

```
  LOAD COUNT PUMP

  FORMULA = 01
  Select, Press ENTER

 ➡ PUMP NUMBER = 4

 Press ENTER to Save
```

```
  BLEACH DEFEAT PUMP

  No Bleach Pump Active


  Use up or down arrow keys
  SAVE --- press ENTER
```

Bleach Def Select
1) No Bleach Pump Active is the default.
2) Press up or down arrows to select bleach pump.
3) Press ENTER to save.
4) This activates the Bleach defect button on USM, EDSM OR DATA GRIP. If no Bleach Pump Active, then this button is not functional during normal operations.

Note: Only <u>one</u> bleach pump can be selected for each DEMA laundry dispenser.

```
  SET DEFAULT FORMULA
  Go to the formula
  after each load count

  NO DEFAULT FORMULA


  Use Arrow KEYS
  Press ENTER to Select
```

Default Formula

Default formula is an optional feature that can allow the system to automatically change to a known formula after the load count pump is run. It can be used as a formula that would be safe for any type of load in the event that the end user does not change the formula when necessary.
1) Select the Formula that will be the default formula with up and down buttons. One of the choices is "NO DEFAULT FORMULA" if you do use a default formula.
2) Press ENTER to save.

```
CONFIGURE
      Set Level Mode
      Set Operate Mode
      Set Flush Mode
      Load Count Select
      Bleach Def Select
      Set Default Formula
  ➡  ENTER Program Names
```

```
Enter Program Names
              ⬆
          Folder 1
              ⬇


      Change by ARROW Key
      Press ENTER to Select
```

```
Enter Program Names

          Folder 1

  ⬅                      ➡
      ⬆
      Change by ARROW Key
      Press ENTER to Select
```

```
UTILITY
  ➡  Send Program File
      Capture Prog. File
      Set Access Code
      Set Formula Names
      Set Product Names
      Set Factory Default
      Clear All Programs
```

```
SEND PROGRAM FILE X?

      YES          Send setup
  ➡ No            (exit)

      (Dispenser setup will
        be overwritten)
```

```
GET PROGRAM FILE X?

      YES      Capture Setup
  ➡ NO        (exit)

      (An DATA GRIP setup file
      will be overwritten)
```

Enter Program Names
 Enter Program Names is an optional feature where naming the different Program Folders can be used to specify Accounts.
1) Use arrow keys to select ENTER Program names and Press the ENTER button to select the option.
2) On the next screen, select the folder that is going to be renamed by using the up and down arrow keys, press ENTER when proper folder is selected.
3) Change the name of the folder by using the up and down arrows and move left and right to change position of the letters. When name is complete press ENTER to Save.

NOTE: All 8 folders can be changed. The process must be repeated for each folder that is desired to be changed.

Utility Menu
Move the cursor to each menu selection and press ENTER to modify. See details below of each menu option

Send Program File
1) File "X" is the number program you are working in.
2) Move the cursor using the up and down buttons to Yes.
3) Press ENTER
4) This sends the new program to the Atlas
*Note: *Only the dispenser setup files are transferred.*
Capture Program File (Saving a setup from a dispenser into the memory of the DATA GRIP)
1) File "X" is the number of the program you are working in and where the Program File from the dispenser will be saved on the DATA GRIP.
2) Move the cursor using the up and down buttons to "Yes."
3) Press ENTER
4) This saves the current Atlas program to the DATA GRIP
*Note: *Only the dispenser setup files are transferred.*

```
┌─────────────────────────────┐
│     SET ACCESS CODE          │
│                              │
│  ➡Access Code = 0000         │
│                        ⬆     │
│   User Code = 0000           │
│  Press ENTER to save         │
│  Press EXIT to cancel        │
│                              │
└─────────────────────────────┘

┌─────────────────────────────┐
│     SET ACCESS CODE          │
│                              │
│  ➡Access Code = 0000         │
│                              │
│   User Code = 0000           │
│  Press ENTER to save         │
│  Press EXIT to cancel        │
│                              │
└─────────────────────────────┘
```

Set Access Code – ONLY set access code when powered to the Atlas Dispenser. The access codes must be exactly the same for the dispenser and the DATA GRIP. For more information on this, please see the IMPORTANT INFORMATION on page 5.

1) Move cursor up and down to either access or user code to modify.
2) Press the right arrow button to change the code.
3) Modify code by using the left and right buttons to navigate the cursor to the 4 digits on the code setting. Use the up and down buttons to change the digits at each of the 4 digits.
4) Press ENTER
5) Both codes are changed using the preceding process.

Note: Access Code – allows full access into programming and all features of the DATA GRIP.
User Code – allows limited access to prime pumps only.

```
┌─────────────────────────────┐
│     FORMULA NAMES            │
│             ⬆                │
│       FORMULA = 0            │
│             ⬇                │
│     ⬅Surgical – Linen➡       │
│                              │
│   Change by ARROW key        │
│   Press ENTER to Save        │
│                              │
└─────────────────────────────┘
```

Formula Names
1) Use the up and down buttons to select the formula to label. Use the left and right buttons to select the label for the formula displayed.
2) Press ENTER to save. The Data Accepted screen will display followed by the Formula Names display.
3) A formula can be disabled by selecting the "Do Not Use." This will remove the formula as a choice for the end user. It can be reactivated any time by reentering the Formula Names menu.
4) Custom names can be programmed by choosing "Save Name 01, etc then press the stop button to modify using the up, down, left and right arrow buttons.
   Note: As the formulas are scrolled the formula name will show the current setting.

Product Names
1) Use the up and down buttons to select the pump to label. Use the left and right buttons to select the label for the pump displayed.
2) Press ENTER to save. The Data Accepted screen will display followed by the Product Names display.
3) Custom names can be programmed by choosing "Save Name 01, etc then press the stop button to modify using the up, down, left and right arrow buttons.
   Note: As the pumps are scrolled the product name will show the current setting.

```
┌─────────────────────────────┐
│     PRODUCT NAMES            │
│             ⬆                │
│        PUMP = 1              │
│             ⬇                │
│       ⬅Detergent➡            │
│                              │
│   Change by ARROW key        │
│   Press ENTER to Save        │
│                              │
└─────────────────────────────┘
```

```
FACTORY DEFAULT

  ➡ YES  RESTORE

      NO (exit)
```

```
WARNING*****WARNING
**YOU ARE ABOUT TO**
**RESET EVERYTHING**
■■■■■■■■■■■■■■■■■■■■■

    YES  RESET MEMORY

    NO   (EXIT)

WARNING******WARNING
```

```
PRIME PUMP
                    ⬆
    PRIME PUMP 1
                    ⬇
    Press ENTER to start
       or stop pump
```

```
CALIBRATE
  ➡ Pump 1  00.0  oz/min
    Pump 2  00.0  oz/min
    Pump 3  00.0  oz/min
    Pump 4  00.0  oz/min
    Pump 5  00.0  oz/min
    Pump 6  00.0  oz/min
Press ENTER to Start
```

```
Calibrating Pump 1

ENTER to continue
```

Factory Default – Resetting a single chemical program
1) Use the Up and Down buttons to select Yes.
2) Press ENTER – The "Restoring Factory Defaults – Please Stand By" screen will display. Allow the DATA GRIP to finish this process before pressing any buttons. Utility screen is displayed the process is complete.
Note: This will reset the current program to its original condition from DEMA. All programming setups and stored files are removed. This will only reset the single program that was entered which could have been any program 1-8. To reset every formula, use Clear All Formulas. This change only applies to the DATA GRIP not the IQ-85 board. To reset the IQ-85 transfer the selected program file from the DATA GRIP to the IQ-85.

Clear All Programs- Resets every chemical program to its original condition from DEMA. All settings and data will be lost. Use only for a new install or a clean DATA GRIP.

Prime Pump Menu
1) Use the up and down arrows, select the pump to prime.
2) Press ENTER button to start the pump.
3) Press ENTER button to stop the pump.

Calibration Menu
Note: When you ENTER the calibration system the "Set Units" screen will appear. It is necessary to choose English (oz) or metric (ml). Once the units have been chosen press ENTER to set and proceed to calibration screen.
It will be necessary to measure the output of the pump with either a measuring cup or graduated cylinder.
Calibration step 1
1) Using the up and down buttons, select the pump to be calibrated.
2) Press the ENTER button to start the pump. With the measuring cup or graduated cylinder start collecting the media.
3) Press the ENTER button to stop the pump when the desired volume of measurement is achieved. This volume does not need to be specific to the application. To improve accuracy, pump a minimal of 8 oz or 250ml. The more that is pumped the better the accuracy.

```
ENTER volume pumped

 Vol pumped = 30.0
              ↑


 Press ENTER to Save
 Press EXIT to Cancel
```

```
CALIBRATE
➡ Pump 1  14.5.oz/min
   Pump 2  00.0  oz/min
   Pump 3  00.0  oz/min
   Pump 4  00.0  oz/min
   Pump 5  00.0  oz/min
   Pump 6  00.0  oz/min
Press ENTER to Start
```

```
MAIN
      SETUP
      CONFIGURE
      UTILITY
      PRIME PUMP
      CALIBRATE
➡   DATA MANAGEMENT
      MAINTENANCE
```

```
DATA MANAGEMENT
➡ SET DATE
   SET TIME
   ACCOUNT INFORMATION
   MACHINE INFORMATION
   COST SETUP
   REPORT SETUP
```

```
➡   JANUARY, 2009
      ➡          1   2   3
   4   5   6   7   8   9   10
   11  12  13  14  15  16  17
   18  19  20  21  22  23  24
   25  26  27  28  29  30  31
```

```
DATA MANAGEMENT
   SET DATE
➡ SET TIME
   ACCOUNT INFORMATION
   MACHINE INFORMATION
   COST SETUP
   REPORT SETUP
```

Calibration step 2
1) Using the left and right buttons navigate the various digits and use the up and down buttons to change the numbers to read the amount of volume dispensed from the previous step.
2) Press ENTER to save the value.
3) The DATA GRIP will display the pump rate on the calibration screen.
4) Repeat this process for the remaining pumps.

Note: It is possible to manually change the pump rates on the calibration screen.
Manually Set Pump Rate
1) Simply move the cursor to the desired pump
2) Press the right arrow button. The far right digit will begin to flash.
3) Use the up and down arrows to change values and the left and right arrows to move the cursor to other digits.

Data Management Menu
This is used to setup the data management features. Move the cursor to DATA MANAGEMENT and press ENTER.

Set Date
This is used to set the date of the DATA GRIP. Move the cursor to SET DATE and press ENTER.

Month and year
Month and year are changed by pressing the left or right arrow buttons. The left will decrease and the right will increase.

Date within month
The date of a given month is changed by pushing the down arrow button so that the cursor arrow moves down near the month calendar. Then the left and right arrow buttons are used to move the day of the month.

Set Time
This is used to set the time of the DATA GRIP. There are two formats that can be used.
12 Hour format (AM and PM)
24 Hour format (Military)

```
SET TIME

➡ 12 HOUR DISPLAY
      ⬆
      9:49 AM
```

```
SET TIME

      12 HOUR DISPLAY

➡    9:49 AM
      ⬆
```

```
DATA MANAGEMENT
      SET DATE
      SET TIME
➡  ACCOUNT INFORMATION
      MACHINE INFORMATION
      COST SETUP
      REPORT SETUP
```

```
ACCOUNT INFORMATION
➡   NAME:
Name of account here

➡    NUMBER: account no. here

➡    SET ACCOUNT TYPE
PRESS ENTER TO SELECT
```

```
ACCOUNT INFORMATION
      NAME:
Name of account here
      ⬆
      NUMBER: account no. here

      SET ACCOUNT TYPE
PRESS ENTER TO SELECT
```

```
ACCOUNT INFORMATION
      NAME:
Name of account here

      NUMBER: account no. here
            ⬆
      SET ACCOUNT TYPE
PRESS ENTER TO SELECT
```

12 or 24 Hour Format
Use the up and down arrow buttons to move the cursor to either the clock format or time.
Time format
1) Press the right arrow button at each option to change the setting.
2) Use the up and down arrow buttons to change the setting. Press ENTER to make the change.
Time
1) Press the right arrow button.
2) Navigate to the hour, minute and AM/PM (for 12 hour format) using the right and left arrow buttons. Use the up and down arrow buttons to adjust the time. Once the desired time has been set, press ENTER to make the change.

Account Information
This is used to give a name, account number and assign formulas to account types. This information will appear on the data report.
1) Move cursor with the up and down arrow buttons to the ACCOUNT NAME, ACCOUNT NUMBER or ACCOUNT TYPE.
2) Press ENTER at the desired feature and a second cursor will appear under the entry field. Use the up and down arrow buttons to change the characters and the left and right arrow buttons to move the cursor for field entry.

Account Name
Name—This is the name of the account. The name can be up to 20 characters long including spaces between words.
1) Use the left and right arrow buttons to move the cursor to the desired character.
2) Use the up and down arrow buttons to change the characters.
3) When the desired account name is displayed press ENTER to save.

Account Number
This is the account number. The number can be both alpha and numeric. The account number can be up to 10 characters. This includes spaces between words.
1) Use the left and right arrow buttons to move the cursor to the desired character.
2) Use the up and down arrow buttons to change the characters.
3) When the desired account number is displayed press ENTER to save.

```
SET ACCOUNT TYPE=
              ⬆
    FORMULA = 01
              ⬇
      ⬅      Hotel    ➡

  Change by ARROW key
   Press ENTER to save
```
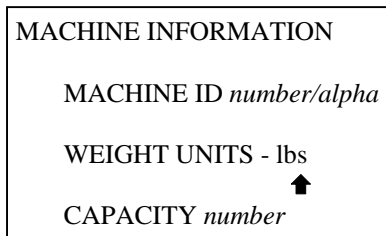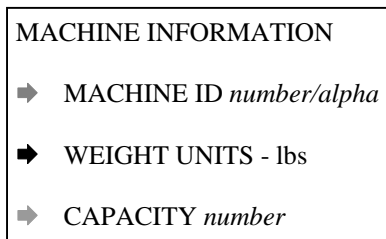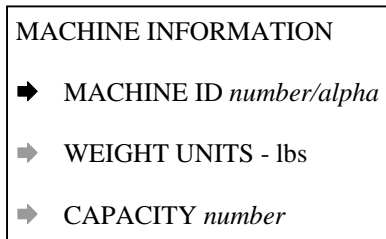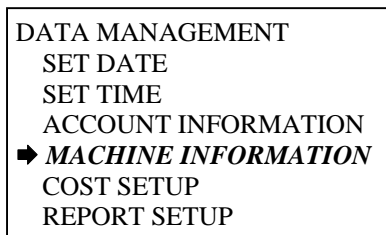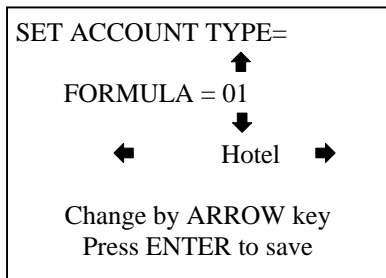
Account Type

This is used to identify or direct specific formulas to an account type. For example, Formulas 1, 2 and 3 to service the linens for the housekeeping department of a hotel, while Formulas 4 and 5 may be used to service the dining facility at the same hotel. In this case Formulas 1, 2 and 3 could be assigned to the HOUSEKEEPING account type while Formulas 4 and 5 could be assigned to the FOOD & BEVERAGE account type. When reports are generated cost figures for each account type will be itemized separately.

1) Select the formula with the up and down arrow buttons.
2) Select the account type with the left and right buttons.
3) Once you have the desired setting, press ENTER to save.
4) Each formula that is to be assigned is done individually.

```
DATA MANAGEMENT
   SET DATE
   SET TIME
   ACCOUNT INFORMATION
 ➡ MACHINE INFORMATION
   COST SETUP
   REPORT SETUP
```

Machine Information

This is used to identify the laundry machine within a given account or application site. Additionally, capacity of the machine (in weight) can be entered in weight (lbs) or units (Kg).

1) Move cursor with the up and down arrow buttons to Machine ID, Weight Units or Capacity.
2) Press ENTER at the desired feature and a second cursor will appear under the entry field.

```
MACHINE INFORMATION

 ➡  MACHINE ID number/alpha

 ➡  WEIGHT UNITS - lbs

 ➡  CAPACITY number
```

Machine ID

This can be both alpha and numeric. The entry can be up to 6 characters long. This includes spaces between words.

1) Use the left and right arrow buttons to move the cursor to the desired character.
2) Use the up and down arrow buttons to change the characters.
3) When the desired machine ID is displayed press ENTER to save.

```
MACHINE INFORMATION

 ➡  MACHINE ID number/alpha

 ➡  WEIGHT UNITS - lbs

 ➡  CAPACITY number
```

Weight Unit

This can be pounds or kilograms.

1) Use the up and down buttons to change toggle between lbs and kg.
2) When a desired weight unit is displayed press ENTER to save.

```
MACHINE INFORMATION

    MACHINE ID number/alpha

    WEIGHT UNITS - lbs
                        ⬆
    CAPACITY number
```

```
MACHINE INFORMATION

    MACHINE ID number/alpha

    WEIGHT UNITS - lbs

    CAPACITY number
                          ⬆
```

Capacity
This is a number that represents the size of the machine.
Example a 125lb machine. The number can be up to 3
characters. If the machine capacity is a two digit number a
zero should be the first number. Example a 50lb machine
should be entered as "050" This is important when
reporting cost in 100 lb.
1) Use the left and right arrow buttons to move the
   cursor to the desired character.
2) Use the up and down arrow buttons to change the
   characters.
3) When the desired machine capacity is displayed
   press ENTER to save.

```
DATA MANAGEMENT
    SET DATE
    SET TIME
    ACCOUNT INFORMATION
    MACHINE INFORMATION
 ➡  COST SETUP
    REPORT SETUP
```

Cost Setup
This allows the system to be setup with units and associated
costs. When setup appropriately the system will generate
reports that will calculate various cost related information.

```
COST SETUP
    MONETARY UNITS:      $
    VOLUME UNITS:      GAL
    SHIFT INFORMATION
    PRODUCT COST
    PRICE
```

Monetary Units
This is used to change the unit of currency symbol. The
choices are dollars, pounds and euros.
1) Press ENTER and a cursor will appear next to the
   currency symbol displayed.
2) Use the up and down arrow buttons to toggle between
   the three choices. Press ENTER when desired choice is
   displayed.

```
COST SETUP
    MONITARY UNITS:      $
    VOLUME UNITS:      GAL
    SHIFT INFORMATION
    PRODUCT COST
    PRICE
```

Volume Units
This is used to change the unit of volume that is used to
calculate usage of the chemical products. The choices are
gallons and liters.
1) Press ENTER and a cursor will appear next to the units
   displayed.
2) Use the up and down arrow buttons to toggle between
   the two choices.
3) Press ENTER when the desired choice is displayed.

```
COST SETUP
    MONITARY UNITS:      $
    VOLUME UNITS:      GAL
➡  SHIFT INFORMATION
    PRODUCT COST
    PRICE
```

```
➡     NUMBER OF SHIFTS= 3
    SHIFT 1
    BEGINS:          08:00AM
    SHIFT 2
    BEGINS:          04:00PM
    SHIFT 3
    BEGINS          12:00AM
```

Shift Information
This allows the system to track usage during various shifts. Up to 3 shifts can be setup. Press ENTER to modify the shift setup.
1) With the cursor next to the "number of shifts" press ENTER.
2) Modify the number of shifts using the up and down arrow buttons.
3) When the number of shifts reads the desired setting press ENTER.
4) For each shift a start time needs to be entered. Move the cursor to the various shifts and press ENTER.
5) Use the left and right arrow buttons to move the cursor left and right and use the up and down buttons to adjust the hours, minutes and am/pm for a beginning shift time. The system will only display the number of shifts that has been entered at the top of the screen.
6) Repeat process for shift 2 and 3 if necessary.

```
COST SETUP
    MONITARY UNITS:      $
    VOLUME UNITS:      GAL
    SHIFT INFORMATION
➡  PRODUCT COST
    PRICE
```

```
PRODUCT COST
➡  P1  $          18.50/GAL
    P2  $          16.00/GAL
    P3  $          19.25/GAL
    P4  $          21.23/GAL
    P5  $            1.98/GAL
    P6  $          11.55/GAL
```

```
ENTER COST FOR
PRODUCT 1

    $ 0000018.50/GAL
            ⬆
```
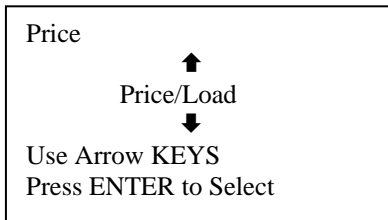
Product Cost
This allows a cost to be entered for each product. The Product Cost Entered Here is only used in Downloaded Detailed Reports. The cost will be based on the monetary units and the volume units for each chemical product. Press ENTER to modify the product cost.

1) Select the product P1-P6 by using the up and down arrow buttons.
2) Press ENTER to modify the desired product cost.
3) Use the left and right arrow buttons to select the decimal place to modify.
4) Press ENTER to modify the desired decimal place.
5) Use the up and down arrow buttons to modify the decimal place (0-9).
6) Press ENTER when the cost reads the desired setting.

```
COST SETUP
    MONITARY UNITS:      $
    VOLUME UNITS:      GAL
    SHIFT INFORMATION
     PRODUCT COST
➡  PRICE
```

Price
This feature is be used to generate invoice pricing both in a written report. Press ENTER to setup this feature.

1) Use the up and down buttons to toggle through Price/Load and Price/100lb.
2) Press ENTER when desired invoicing method is shown.

```
Price
            ↑
       Price/Load
            ↓
Use Arrow KEYS
Press ENTER to Select
```

```
Price
            ↑
    Price/Account Type
            ↓
Use Arrow KEYS
Press ENTER to Select
```

```
PRICE/ACCOUNT TYPE
    Price/100LB
            ↑
        HOTEL
            ↓
   $          0.855
```

```
PRICE/ACCOUNT TYPE
    Price/100LB
            ↑
        HOTEL
            ↓
   $ 000000.855
            ↑
```

```
Price/Formula
    Price/100lb
            ↑
        Sheets
            ↓
   $          0.855
```

```
Price/Formula
    Price/100lb
            ↑
        Sheets
            ↓
   $ 000000.855
            ↑
```
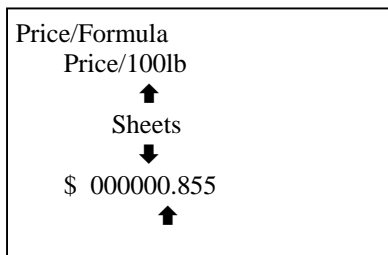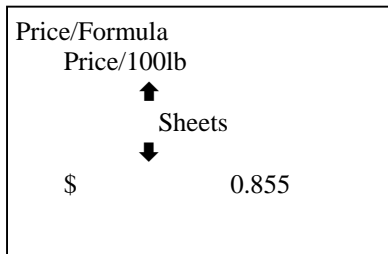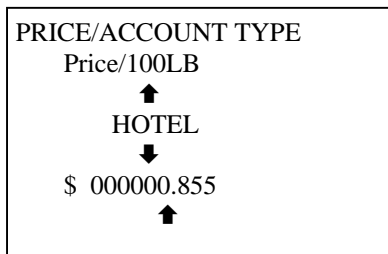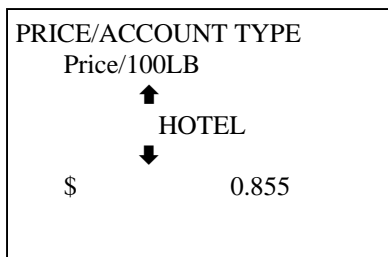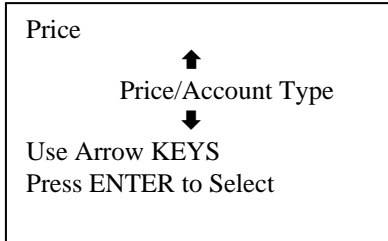
When Price/Load or Price/100lb is chosen, it is necessary to choose how to itemize the invoice reporting, the two choices are Price/Formula or Price/Account Type.
1) Use the up and down buttons to toggle through Price/Formula and Price/Account Type.
2) Press ENTER when desired itemization method is displayed.

NOTE: The following pages will show how to set up for each individual pricing scheme. Please pay careful attention to which pricing scheme is selected and how to properly set that up.

Price/100lb and Price/Account Type
Once the price per 100lb and price per account type is selected, then select the specific account type and enter in the price per 100 lb of laundry.
1) Use the up and down buttons to select the desired account type.
2) Press ENTER when the desired account type is displayed.
3) Use the right and left buttons to move cursor to the desired digit. Use the up and down buttons to change the value of each digit.
4) Press the ENTER button when the desired invoice price is displayed.

Price/100lb and Price/Formula
Once the price per 100lb and price per formula is selected, then select the specific formula and enter the price per 100lb of laundry.
1) Use the up and down buttons to select the desired formula.
2) Press ENTER when the desired formula is displayed.
3) Use the right and left buttons to move cursor to the desired digit. Use the up and down buttons to change the value of each digit.
4) Press the ENTER button when the desired invoice price is displayed.

```
┌─────────────────────────────┐
│ PRICE/Account Type          │
│     Price/Load              │
│         ⬆                   │
│         HOTEL               │
│         ⬇                   │
│     $           0.855       │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ PRICE/Account Type          │
│     Price/Load              │
│         ⬆                   │
│       HOTEL                 │
│         ⬇                   │
│  $ 000000.855               │
│         ⬆                   │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ Price/Formula               │
│     Price/Load              │
│         ⬆                   │
│       Sheets                │
│         ⬇                   │
│     $           0.855       │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ Price/Formula               │
│     Price/Load              │
│         ⬆                   │
│       Sheets                │
│         ⬇                   │
│  $ 000000.855               │
│         ⬆                   │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ DATA MANAGEMENT             │
│    SET DATE                 │
│    SET TIME                 │
│    ACCOUNT INFORMATION      │
│    MACHINE INFORMATION      │
│    COST SETUP               │
│ ➡ REPORT SETUP              │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ REPORT SETUP                │
│ ➡ TYPE: COST/100LB          │
│    PERIOD: BILLING CYCLE    │
│    START: 01 JAN 2008       │
│    LENGTH: 30 DAYS          │
│    CLEAR ALL DATA           │
│    RUN REPORT               │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│ REPORT SETUP                │
│    TYPE: COST/100LB         │
│         ⬆                   │
│                             │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```

Price/Load and Price/Account Type

If price per load and price per account type have been selected, then select the specific account type and enter in the price per load of laundry.

1) Use the up and down buttons to select the desired account type.
2) Press ENTER when the desired account type is displayed.
3) Use the right and left buttons to move cursor to the desired digit. Use the up and down buttons to change the value of each digit.
4) Press the ENTER button when the desired invoice price is displayed.

Price/Load and Price/Formula

Once the price per load and the price per formula are selected, then select the specific formula and enter the price per load of laundry.

1) Use the up and down buttons to select the desired formula.
2) Press ENTER when the desired formula is displayed.
3) Use the right and left buttons to move cursor to the desired digit. Use the up and down buttons to change the value of each digit.
4) Press the ENTER button when the desired invoice price is displayed.

Report Setup

These are additional report setting variables. Press ENTER to make changes.

Type

This is the method of how cost will be calculated. There are three choices: Cost/100lb, Cost/1lb, Cost/Load

1) To make changes press ENTER.
2) Use the up and down arrow buttons to toggle through the three choices.
3) When the desired choice is displayed press ENTER.

Note:

This setting applies to the machine and summary reports.

```
REPORT SETUP
    TYPE: COST/100LB
➡  PERIOD: BILLING CYCLE
    START: 01 JAN 2008
    LENGTH: 30 DAYS
    CLEAR ALL DATA
    RUN REPORT
```

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING CYCLE
                ⬆
```

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING CYCLE
➡  START: 01 JAN 2008
    LENGTH: 30 DAYS
    CLEAR ALL DATA
    RUN REPORT
```

```
➡  JANUARY, 2009
      ➡        1   2   3
    4   5   6   7   8   9   10
    11  12  13  14  15  16  17
    18  19  20  21  22  23  24
    25  26  27  28  29  30  31
```

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING CYCLE
    START: 01 JAN 2008
➡  LENGTH: 30 DAYS
    CLEAR ALL DATA
    RUN REPORT
```

```
REPORT SETUP
    TYPE: COST/100LB


    LENGTH: 30 DAYS
                ⬆
```

Period
This is used to set the period of time that the Data Grip will base reporting. The three choices are:
Billing Cycle
This is where a start date is set and then the length of billing cycle is entered in days. Once this has been setup, the system will continue to track the billing cycles as they start and finish.
Billing Date
This is where a day of the month is chosen and that is the last day of a given period of time. The first day is the next numeric day of the last month. Example: The 15th is set as the billing date. Reporting will be based on the 16th of the previous month to the 15th of current month.
Note-It is important to understand that the Data Grip is going to report the last fully completed window of time for both the billing cycle and billing date.
Date to Date
This is where a start and end date are entered and the report will be based on that window of time.
Note- the report screen will appear three different ways depending on how the PERIOD is set. In the example screen to the left the where it currently states "Length 30 days" can read as follows:
Billing Cycle= Length…..
Billing Date= will be blank (no text)
Date to Date= End Date….

Billing Cycle
1) Use the up and down buttons to move the cursor to the start.
2) Press ENTER to modify the start date.
3) **Month and year** - Month and year are changed by pressing the left or right arrow buttons. The left will decrease and the right will increase.
4) **Date within month** - The date of a given month is changed by pushing the down arrow button so that the cursor arrow moves down near the month calendar. Then the left and right arrow buttons are used to move.
5) Press ENTER when desired start date is displayed.
6) Move cursor to length using the up and down buttons.
7) Press ENTER to set the billing cycle length.
8) Use the up and down arrow buttons to increase or decrease the amount of days for the billing cycle length.
9) Press ENTER when desired billing cycle length is displayed.

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING DATE
➡   START: 01 JAN 2008

    CLEAR ALL DATA
    RUN REPORT
```

```
➡   JANUARY, 2009
    ➡           1   2   3
    4   5   6   7   8   9   10
    11  12  13  14  15  16  17
    18  19  20  21  22  23  24
    25  26  27  28  29  30  31
```

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: DATE TO DATE
➡   START: 01 JAN 2008
➡   END: 31 JAN 2008
    CLEAR ALL DATA
    RUN REPORT
```

```
    JANUARY, 2009
                1   2   3
    4   5   6   7   8   9   10
    11  12  13  14  15  16  17
    18  19  20  21  22  23  24
    25  26  27  28  29  30  31
```

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING CYCLE
    START: 01 JAN 2008
    LENGTH: 28 DAYS
➡   CLEAR ALL DATA
    RUN REPORT
```

```
CLEAR ALL DATA

    YES CLEAR DATA

➡   NO  (exit)
```

Billing Date
1) Use the up and down buttons to move the cursor to the start.
2) Press ENTER to modify the start date.
3) **Month and year** - Month and year are changed by pressing the left or right arrow buttons. The left will decrease and the right will increase.
4) **Date within month** - The date of a given month is changed by pushing the down arrow button so that the cursor arrow moves down near the month calendar. Then the left and right arrow buttons are used to move.
5) Press ENTER when desired start date is displayed

Date to Date
1) Use the up and down buttons to move the cursor to the start.
2) Press ENTER to modify the start date.
3) **Month and year** - Month and year are changed by pressing the left or right arrow buttons. The left will decrease and the right will increase.
4) **Date within month** - The date of a given month is changed by pushing the down arrow button so that the cursor arrow moves down near the month calendar. Then the left and right arrow buttons are used to move.
5) Press ENTER when desired start date is displayed.
6) Set the end date by moving cursor to the end and press ENTER.
7) Repeat preceding process to set the end date.

Clear All Data
This will clear all data that has been collected in the Data Grip memory. This will not remove or erase the programming and setup information.
1) Move cursor to clear all data and press ENTER.
2) Move cursor to Yes to clear data or No to exit and not clear data
3) With cursor next to Yes, press ENTER to clear and remove data from DATA GRIP.

```
REPORT SETUP
    TYPE: COST/100LB
    PERIOD: BILLING CYCLE
    START: 01 JAN 2008
    END: 31 JAN 2008
    CLEAR ALL DATA
 ➡  RUN REPORT
```

```
RUN REPORT
 ➡  DATA SPREADSHEET
    MACHINE REPORT
    ACCOUNT SUMMARY
    SHIFT REPORT
    INVOICE REPORT
```

```
OUTPUT FILE NAME
    DATA SPREAD SHEET

    _____.CDF
    ⬆
```

```
MAIN
    SETUP
    CONFIGURE
    UTILITY
    PRIME PUMP
    CALIBRATE
    DATA MANAGEMENT
 ➡  MAINTENANCE
```

```
MAINTENANCE

 ➡  Software         V0.70
    USB Driver       V3.11
    Dispenser Prog
    DM Parameters
```

```
Software

  Install Update?

 ➡ Yes   Update Drive

   No    (exit)
```

Run Report

This is for setting up the reports that will be extracted from the DATA GRIP. Press ENTER to setup reports

All of the reports listed on the RUN REPORT screen are designed to be loaded into a USB memory device. All of the reports are setup similar where a file name needs to be assigned. The file name can be 1-8 characters long.

1) Use the up and down arrow buttons to select the desired report.
2) Press ENTER to assign a file name.
3) Use the right and left arrow buttons to move to each of the eight character fields. At each character field the up and down arrow buttons can be used to modify the character.
4) When the desired file name is set press ENTER and the report will be generated.

Maintenance Menu

Set the cursor on the maintenance option and press enter to select. This puts the program into the maintenance menu.

Software Update

To update the software, make sure that a Flash Drive with the correct file on it is inserted into the unit. The file must be obtained from DEMA Engineering. The name of the file on the flash drive must be DEMA_001.hex. If this file is not on the flash drive the software will not update.

1) Set the cursor on software and hit enter.
2) The program will search for the correct file. Confirm to update the driver by moving the cursor to Yes and hitting enter.
3) The program will install the update. This will take a few minutes.
4) The Data Grip will then reset and enter BITE MODE. Follow the on-screen instructions to finish the update.
5) When the Bite Mode Test Complete screen appears, unplug the Data Grip from the RJ-45 cord.
6) The unit should come back up as normal and be ready to go.

```
MAINTENANCE

   Software          V0.70
   USB Driver        V3.11
➡  Dispenser Prog
   DM Parameters
```

```
Dispenser Prog

➡  Import 1 Program
   Import All Programs
   Export 1 Program
   Export All Programs
```

```
Import 1 Program
            ⬆
   _____.PGM
            ⬇

   Use Arrow KEYS
  Press Enter to Select
```

```
Import All Programs
            ⬆
   _____.PGM
            ⬇

   Use Arrow KEYS
  Press Enter to Select
```

```
Dispenser Prog

   Import 1 Program
   Import All Programs
➡  Export 1 Program
   Export All Programs
```

Dispenser Prog
To import and export 1 or all programs on the unit, this option will need to be selected. Use the arrow keys to select the option then press the ENTER button.

Importing Programs
To import a program onto the Data Grip, use the arrow keys to select whether to import one or all programs. Use the ENTER button to select the option.

For 1 Program
1) Insert the flash drive with the program already on the flash drive.
2) The unit will look for the programs on the flash drive and give a scrolling list of programs to import.
3) Use the up and down arrows to select the desired file to import on the Data Grip. Press the ENTER Button once selected.
4) Then use the up and down arrows to select the desired folder to put the file in. Press the ENTER Button once selected.
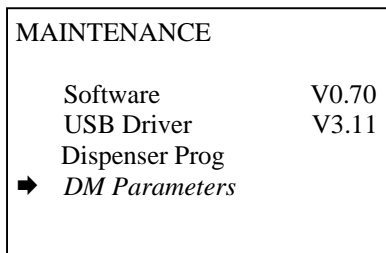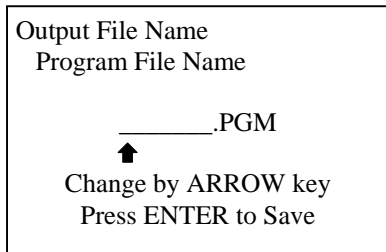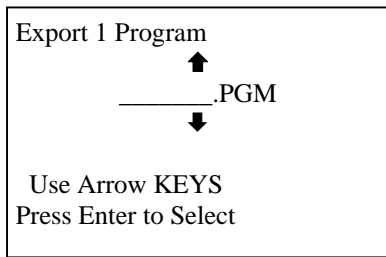5) The unit will import the file and show a DATA ACCEPTED screen once complete.

For All Programs
1) Insert the flash drive with the program already on the flash drive.
2) The unit will look for the programs on the flash drive and give a scrolling list of programs to import.
3) Use the up and down arrows to select the desired file to import on the Data Grip. Press the ENTER Button once selected.
4) The unit will import the file and show a DATA ACCEPTED screen once complete.

Note: If a flash drive is not connected, the unit will not look for programs and will wait for a flash drive to be connected.

Exporting Programs
To export a program from the Data Grip to be used on another Data Grip or with another dispenser, use the up and down arrow keys to get to the desired selection and press the ENTER button to select the option.

```
Export 1 Program
         ⬆
      _____.PGM
         ⬇

  Use Arrow KEYS
Press Enter to Select
```

```
Output File Name
  Program File Name

      _____.PGM
         ⬆
  Change by ARROW key
  Press ENTER to Save
```
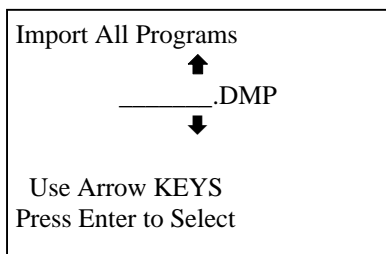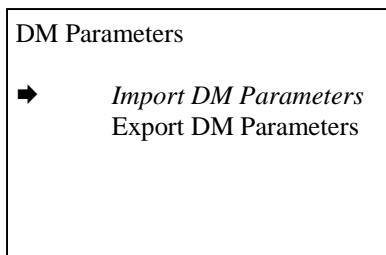
For 1 Program
1) Insert the flash drive for the program to be exported to.
2) Use the up and down arrows to select the desired folder where the program is located to export on to the flash drive. Press the ENTER Button once selected.
3) Then use the up and down arrows to select the desired program name for the file to be saved onto the flash drive.. Press the ENTER Button once selected.
4) The unit will export the file and show a DATA ACCEPTED screen once complete.

For All Programs
1) Insert the flash drive for the programs to be exported to.
2) Use the up and down arrows to select the desired file name to export to the flash drive. Press the ENTERButton once selected.
3) The unit will export the file and show a DATA ACCEPTED screen once complete.

NOTE: If you select a file name that is already being used on the flash drive, the program will ask you if you want to overwrite the file or change the name.
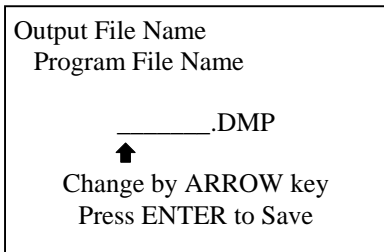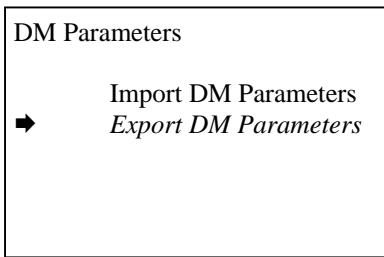
DM Parameters
To import and export the Data Management Parameters, use the arrow keys to select the DM Parameters setting and press the ENTER button to enter the DM Parameters Import/Export Menu

Importing DM Parameters
Once in the menu, select to import the DM Parameters and Press the ENTER button.
1) Insert the flash drive with the program already on the flash drive.
2) The unit will look for the programs on the flash drive and give a scrolling list of programs to import.
3) Use the up and down arrows to select the desired file to import on the Data Grip. Press the ENTER Button once selected.
4) Then use the up and down arrows to select the desired folder to put the file in. Press the ENTER Button once selected.
5) The unit will import the file and show a DATA ACCEPTED screen once complete

Note: If a flash drive is not connected, the unit will not look for programs and will wait for a flash drive to be connected.

```
MAINTENANCE

  Software         V0.70
  USB Driver       V3.11
  Dispenser Prog
➡ DM Parameters
```

```
DM Parameters

➡     Import DM Parameters
      Export DM Parameters
```

```
Import All Programs
         ⬆
      _____.DMP
         ⬇

  Use Arrow KEYS
Press Enter to Select
```

```
DM Parameters

        Import DM Parameters
➡       Export DM Parameters
```

```
Output File Name
  Program File Name

        _____.DMP
          ⬆
  Change by ARROW key
  Press ENTER to Save
```

Exporting DM Parameters
Once in the menu, select to export the DM Parameters and Press the ENTER button.
6) Insert the flash drive where the program will be exported to.
7) Use the up and down arrows to select the desired file name to export to the Data Grip. Press the ENTER Button once selected.
8) Then use the up and down arrows to select the desired folder to put the file in. Press the ENTER Button once selected.
9) The unit will import the file and show a DATA ACCEPTED screen once complete
NOTE: If you select a file name that is already being used on the flash drive, the program will ask you if you want to overwrite the file or change the name.

Troubleshooting

Symptom	Probable Cause	Remedy
The Data Grip is not powering up	1. There is no power to the unit it is connected to. 2. One of the RJ-45 cables is not fully plugged in or damaged.	1. Check to make sure power is going to the Laundry Unit itself. 2. Check the RJ-45 Cables to make sure it is hooked up from the Data Grip to the Control Board or from the Data Grip to the STU to the Control Board. Check the cables for damage. Replace if necessary.
The Data Grip will not download reports or programs	1. There is no flash drive in the Data Grip 2.	1. Put a flash drive in the Data Grip and try to download the reports/programs again 2.

Warranty

Return Policy

No merchandise may be returned for credit without DEMA® Engineering Company's written permission. Return Merchandise Authorization (RMA) number required in advance of return.

Warranty

DEMA® products are warranted against defective material and workmanship under normal use and service for three years from the date of manufacture. This limited warranty does not apply to products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, improper voltage supply, physical abuse or misapplication. Rubber and synthetic parts such as "O"-rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA® products. If products are altered or repaired without prior approval of DEMA®, this warranty will be void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge. F.O.B. factory DEMA® assumes no liability for damages. Return merchandise authorization number to return units for repair or replacement must be granted in advance of return.

DEMA Engineering Company
10020 Big Bend Blvd.
St. Louis, MO 63122
(800) 325-3362 or (314) 966-3533
www.demaeng.com