



MDE-4404A

**Atlas™ Technician Programming
Quick Reference Card
July 2010**

Software Versions

For details on software versions, refer to MDE-4331 Atlas™ Fuel Systems Installation Manual, MDE-4334 Atlas Startup and Service Manual, and MDE-4363 Atlas Fuel Systems Owner's Manual.

Power-up and Command Code 8 display the current software version.

Display Pump Totals

- Press **Enter** after making selections.
- Press **\$ Total**
- Select **Grade**
- Press **Volume Total**
- Select **Grade**
- Press **Enter** to view Side 2 totals
- Press **Clear** to exit

PIN Code Entry

Level 1 - Press **F1**, type 4-digit ID (default 2222), and press **Enter**.

Level 2 - From Level 1, type any Level 2 Command Code (10-12), type 4-digit ID (default 1503), and press **Enter**.

Level 3 - From Level 2, type any Level 3 Command Code (13-17), type 4-digit ID (default 1309), and press **Enter**.

Press **F1** to exit any command code.
Press **F2** to return to normal operation

From Level 1

Command Code 1:

Program PPU
Press **Enter** after making selections.

- Enter 1
- Select **Side****
- Select **Grade**
- Select **Price Level**
- Enter new PPU
(Repeat for other Side, Grade, and Price Level)

Command Code 2:

Program Two-Wire/Standalone
Press **Enter** after making selections.

- Enter 2
- Select **Configuration**
 - 0 : Standalone
 - 1 : Two-Wire*
 - 2 : Pulse Output

Command Code 3:

Program Allocation

Press **Enter** after making selections.

- Enter 3
- Select **Side****
- Select **Hose/Grade**
- Enter Allocation amount
(000.0 default)

(Repeat for other Side, Hose, and Grade)

Command Code 4:

Program Manual Blank Display Cash/Volume Preset Select

Press **Enter** after making selections.

- Enter 4
- Select **Function Code 1**

Function Code 1: Manual Blank Displays

- 0 : Display OFF
- 1 : Display ON*

Command Code 5:

Test/Program

Customer Programmable Preset

Press **Enter** after making selections.

- Enter 5
- Select **Configuration**
 - 0 : STOP Test/Program
 - 1 : START Test/Program

(After the test is complete, refer to the programming steps in MDE-2531 Pump/Dispenser Service Manual.)

Command Code 6:

Memory Clear for Error Code 31 or 35

Press **Enter** after making selections.

- Enter 6
- Select 1

Command Code 7:

Program Totals Input

Press **Enter** after making selections.

- Enter 7
- Select **Side**
 - 1 : Side A
 - 2 : Side B
- Select **Grade**
- Press **\$ Total**
- Enter **Money Total**
(Repeat for other Side and Grade)
- Press **Volume Total**
(Repeat above procedure for Volume Totals)

Command Code 8:

Display Version Number

Press **Enter** after making selections.

- Enter 8
- Select **Software Option**
 - 1 : Pump Controller

* Default to system software, if pump/dispenser is not a Blender.

- **1 : Side A
- 2 : Side B
- 3 : Both Sides

From Level 2

Command Code 10:

System Configuration

Press **Enter** after making selections.

- Enter 10.
- Enter Function #.
- Enter Configuration #.

Function Code 2:

Money Decimal Point

- 1 = xxxxx
- 2 = xxx.x
- 3 = xxx.xx**
- 4 = xxx.xxx

Function Code 3:

Calculation PPU Decimal Point

(Required in U.S. per Weights and Measures)

- 1 = xxxxx
- 2 = xxx.x
- 3 = xx.xx
- 4 = x.xxx**

Function Code 4:

Displayed PPU Decimal Point

Self configures default value.

- 1 = xxxxx
- 2 = xxx.x
- 3 = xx.xx
- 4 = x.xxx

Function Code 5:

STP Prestart

- 0 = Off***
- 1 = On

Function Code 6:

Beeper Option

- 0 = Off
- 1 = On***

Function Code 8:

Two-Wire Display Blank Option

- 0 = Off***
- 1 = On

Function Code 9:

5 or 6-digit Cash Display

- 0 = 5-Digit Money***
- 1 = 6-Digit Money

Function Code 10:

Decimal/Comma Mode

- 0 = Comma Off***
- 1 = Comma On

Function Code 11:

Preselect Time-Out

- 0 = None
- 1 = 5 seconds
- 2 = 15 seconds***
- 3 = 30 seconds
- 4 = 45 seconds
- 5 = 60 seconds
- 6 = 75 seconds
- 7 = 90 seconds
- 8 = 120 seconds

Function Code 14:

G6 Push to Start

- 0 = Off***
- 1 = On

Function Code 15:

Zero PPU Pricing Option Enable

- 0 = Disabled***
- 1 = Enabled

Function Code 16:

Beeper Time-out

- 0 = Off***
- 1 = 5 seconds
- 2 = 15 seconds
- 3 = 30 seconds
- 4 = 45 seconds
- 5 = 60 seconds
- 6 = 75 seconds
- 7 = 90 seconds
- 8 = 120 seconds
- 9 = 240 seconds

Function Code 17:

Push to Stop Control

- 0 = Stop controls one side***
- 1 = Stop controls two sides

Function Code 18:

Zero Previous Transaction After Pump Handle Operation

- 0 = Zero after lamp test***
- 1 = Zero before lamp test

Function Code 20:

Programmable Pump Preset Value

- 0 = Value x 1 (enter fractions)
- 1 = Value x 10 (enter whole units)

Function Code 22:
Reported Volume Decimal Point
0 = XXX.XXX***
1 = XXXX.XX (export only)

Function Code 24:
Hose Pressurization

0 = Off***
1 = 2 hours
2 = 1/2 hours
Note: Not available in U.S. gallons configuration.

Command Code 12:
Pump Program

- Enter 12
- Enter Side #
 - 1 = Side 1
 - 2 = Side 2
- Enter Function Code (1-4)
- Enter Configuration Code

Function Code 1:

Two-Wire Pump ID
1-16 = (7*** for Side 1; 11*** for Side 2)

Function Code 3:

Side Exists

0 = Does not exist
1 = Exists***

Function Code 4:

PPU Options

0 = Level 1 price bar displays level sent by console or Card Reader IN Dispenser (CRIND®)***
1 = Normal

*** Default

† Must be programmed to '1' in New Jersey.

From Level 3

Command Code 13:

PIN Code Change

Press **Enter** after selections.

- Enter 13
- Enter Level # 1, 2, or 3
- Enter new PIN Code

Unit returns to Command Input Mode.

Command Code 15:

Function Code 1:

Preselect Time-Out

0 - 999 seconds

Function Code 2:

Pump Time Out

0 - 999 seconds

Function Code 3:

Beeper Time Out

0 - 999 seconds

Function Code 4:

Slowdown Valve

0 - 0.999 gallons

Command Code 17
Conversion Factor and Master Reset

Select **Function Code**.

Function Code 1:

Conversion Factor

0 = No conversion factor***
1 = U.S. Gallons
2 = Imperial Gallons
3 = Liters

Function Code 2:

Master Reset (Retains Totals)

0 = No Master Reset
1 = Master Reset

Command Code 18:

Pulse Output Configuration

- Enter 18
- Enter Function #
- Enter Configuration #

Function Code 1:

Volume PPU

1. 1 PPU
2. 10 PPU***
3. 50 PPU
4. 100 PPU
5. 1000 PPU

Function Code 2:

Volume Pulse Width

1. 0.5 ms
2. 1.0 ms
3. 2.0 ms
4. 4.0 ms***
5. 17.0 ms
6. 19.0 ms
7. 26.0 ms
8. 150.0 ms

Function Code 3:

Money Pulse Width

1. 0.5 ms
2. 1.0 ms
3. 2.0 ms
4. 4.0 ms***
5. 17.0 ms
6. 19.0 ms
7. 26.0 ms

Function Code 4:

Volume Suppression (at start of sale)

1. 0.030***
2. 0.009
3. 0.000

Function Code 5:

Quadrature Pulse Option

0 = Disabled***
1 = Enabled

Function Code 6:

Authorize After Pump Stop

0 = Disabled***
1 = Enabled

Function Code 7:
Price Restore Option

0 = Disabled***
1 = Enabled

*** Default

ATC Programming

- Turn ON the programming switch on the ATC Controller board.
- Press **100** then **Enter**.
- Select **Fuel Type** and press **Enter**.
740 = Gasoline
840 = Diesel
730 = Default
- Firmware cycles through each fueling position. Select **Fuel Type** and press **Enter**.
- Turn OFF the programming switch on the ATC Controller board.
- Press **F2** to exit ATC Programming Mode.

ATC Inspection Modes

- From Manager Keypad, press an **ATC Function Code** (see below) when unit is idle.
- Press **Enter** and **Meter Number**, if appropriate.
- Press **F1** to exit ATC Inspection Mode.

Function Code 200:

Real Time Transaction Mode

- Main Display = Gross Volume
- Volume Display = Net Volume
- Grade 1 PPU Display = Current Temperature

Function Code 300:

Audit Last Transaction

- Main Display = Gross Volume
- Volume Display = Net Volume
- Grade 1 PPU Display = Average Temperature

Function Code 301:

Display Volume Correction Factor

- Main Display = Meter Number
- Grade 1 PPU Display = Volume Correction Factor

Function Code 302:

Display Fuel Density

- Main Display = Meter Number
- Grade 1 PPU Display = 730 Gas or 840 Diesel

Function Code 303: Display Temperature

- Main Display = Meter Number
- Grade 1 PPU Display = Current Temperature

Function Code 304:

Display Gross Totals

- Volume Display = Gross Volume (most significant)
- Grade 1 PPU Display = Gross Volume (least significant)

Function Code 500:

Display Software Version

Main Display = ATC Version

Error Codes

Code	Description
20	Pulser Fail
24	Conversion Factor Changed/Not Programmed
25	Two-Wire/Standalone Mode Changed
26	Meter Not Calibrated
27	Side 1 Two-Wire ID Changed
28	Side 2 Two-Wire ID Changed
29	Pump Time-Out Error
31	Totals Data Error
32	Pulser Count Error
35	Configuration Data Error
36	Unit Type Configuration Code Changed
37	PIN Code 1 Changed
38	PIN Code 2 Changed
39	Cash/Credit Option Changed
40	Master Reset Jumper in Place
41	Side Exists Option Changed
44	Pump Handle Up at Power Up
45	Preset Overrun (Minor)
46	Preset Overrun (Major)

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Greensboro, NC 27420 · Phone 1-800-444-5529 · <http://www.gasboy.com>