# Alliance Planner Programming Software





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## Introduction

The Alliance Planner Programming Software allows the user to pre-program customized cycle formulas, vends, etc. for all WE-8 (OPL) and WE-8 B-Control (coin) washer-extractors in a facility. The information from the software is downloaded into the laptop, where the user is able to create and/or modify cycles. The cycle information is stored on the laptop and then downloaded into the washer-extractor.

NOTE: The machines are factory programmed with basic cycles to make the units operational without programming at installation.



## System Requirements

The Alliance Planner Programming Software has the following recommended system requirements: free serial port, keyboard, mouse or other pointing device, and a CD drive or DVD drive.

Recommended System:

- Pentium 1 GHz processor or higher
- SVGA monitor supporting 1024 x 768 resolution or higher
- Windows Vista, XP Professional, 2000 or 7
- 128 MB of RAM
- 4 GB drive with 100 MB available hard disk space

Minimum System:

- Pentium 100 MHz processor
- VGA monitor supporting 800 x 600 resolution
- Windows XP Home Edition, Me, 98, NT 4.0
- 32 MB of RAM
- 1 GB drive with 40 MB available hard disk space

#### NOTE:

- 1. If your system barely meets the minimum system requirements, you will notice that the Alliance Planner Programming Software does not perform at acceptable speeds. There is also the possibility that the Alliance Planner Programming Software will not operate properly.
- 2. Adding more RAM to your computer will improve the performance of most software packages, including the Alliance Planner Programming Software.
- 3. Refer to requirements of your computer's operating system.

- 1. Load the CD into your laptop CD/DVD drive.
- 2. The Alliance Planner Programming installer will automatically start. If the installer does not start automatically...
  - a. Navigate to the CD/DVD drive using Windows Explorer or My Computer.
  - b. Double-click the Alliance Planner file on the CD.
- 3. Follow the on-screen instructions.
- 4. The Alliance Planner Programming Software will be installed on your laptop.

1. Click the START button located in the bottom left corner of the monitor. Click **Programs**. Click **Alliance**, then **Alliance Planner**.



NOTE: The Alliance Planner Programming icon is also added to your desktop. The program can be started by double clicking the icon on your desktop.

2. The Alliance Planner will display.

Alliance Planner v2.00		
$\underline{F}ile  \underline{C}ycle  \underline{Step}  \underline{M}achine  \underline{S}etup  \underline{H}elp$		
New Load Save Confin Talk Prices	🚔 🍘 🗙 Print Setun Exit	
Select Cycle	Cycle : -	Edit Step
Edit name :	Add Step Fill Sunnly Wash Drain	
Add Cycle 1 X Delete Cycle	Insert Step Spin Soak Aux Heat	
👗 Cut 🕼 Copy 🎇 Paste 🕜 🕀	★ Delete Step	
Cycle Title Duration	Step Description Duration	
		Laundry Systems
	no cycles	
		CFD990F

- 3. Click Load.
- 4. Double click desired cycle set from the dialog box.



- 5. The selected cycle charts will display. Cycles can be created and modified from this screen.
- 6. Click an existing cycle from the Existing Cycle Section to modify a cycle.
- 7. Change step details in the Edit Step Section.
- 8. Add or delete the step in the Cycle Section.



- 9. Go to Add Cycle Section. Click ^ arrow to add a new cycle number (i.e., scroll to 58 in a list that has 57 cycles).
- 10. Click Add Cycle. Edit name will be highlighted.
- 11. Rename the cycle by typing over the default.



12. Click **Machine** located in the application menu. Click **Configuration**. The dialog box for changing the machine's configuration will display.

**IMPORTANT:** Machine configuration listed in software must match machine.

		COPE INT - N Comparamentals			
	File Cycle step Machine Setup	Help			
	New Load Save Config Talk Select Cycle	Prices Print Setup Exit	Edit Step		
	Edit name : Cycle 43			_	
	💲 Add Cycle 44 🛨 🗡 🍪 Ma	chine configuration		<b></b>	
	Cucle Title	hine	Hystoresis		
	1 Sheets Lt. Sol Soal 43 Cycle 43 2 Sheets No Rie	p type 3 compartment 4 compartme	r≵ Level hysteresis 3 ▼ cm Temperature hysteresis 2 ▼ *C		
	3 Towels Lt. Soi Mac 4 Towels No Bit 1 5 Sheats Med 5	hine type XSSR1 Utbet: -175 mm Diameter drum : 75	50 mm		
	6 Towels Med. 5 7 Blankets Warr 9 Stread Cold	Diameter tub : 820 Depth drum : 600	mm Heat 18 ≟ kW mm Flowrate 17 ≟ Vmin		
	9 Towel Heavy 1 10 Rinse & Spin Unit	* English Metric	Cold inlet temperature		
	12 HC Towel Lt S 13 HC Sheet Hes 3		Hot inlet temperature 75 - "C		
	14 HC Towel Here 5 15 HC Cot. Blank 16 HC Diapers Hr 7 Drai	n1 Value Parro	Spin retries 5		
	17 HC Personal B 18 HC Pers. No B 19 HC Pads Poly Drain	n 2 Dual drain No drain	Advance Enable Disable		
	20 Table Linen In 21 Tbl Lin. No Iro 22 Tbl Color Iron	options Direct Fill	Chemical hold Enable Disable		
	23 Tbl Color No Ir 24 Visa Iron 25 Visa No Iron				
	26 Visa Color Iron 27 Visa Color No 28 Shirt Coli Stoch	48.28	VIK KLance	_	
	29 Shit Bich Stor 30 Shit Cel No BS 31 Shit Delicate	64:00 33:45			
	32 Starch Extract 33 Uniforms Bleach 34 Uniforms No Bich	15:01 58:08 29:41		iance	
	35 Rags, Heavy S	5426 v	SI cortes total size-5607 hotes	ry Systems	
	[		a group courrection by ca	CFD995R	
	A Machine configuration		-	×	Level hysteresis
	Machine		Husteresis		
Type	Span type 3	compatment 4 compatment	Level husteresis		- Temperature hysteresis
51		Comparation 1 4 Comparation	Temperature hysteresis		i v
	Machine type X5	5R1   Offset : -175 mm  Diameter drum : 750 mm	Time calculation		- Heat
		Diameter tub : 820 mm	Heat		IIcat
Units		Depth drum : 600 mm	Flowrate		—— Flow rate
	Units	English Metric	Cold inlet temperature		Cold inlat tomporature
Drain 1			Hot inlet temperature		-Cold lillet temperature
	In & out		Behaviour		-Hot inlet temperature
Drain 2	Drain 1	Value Pumo	Spin retries		1
	Drain 2 D	ual drain No drain	Advance Fnable Disable		-Spin retries
Inlat antiona			Chemical hold Enable Disable		-Advance
inter options	Inlet options	Allect Fill	Temperature Show Hide		Chom hold
					-Chem noia
		·			

#### Machine

c. Type: Select the machine model (must match serial plate model).

Machine Type Options 18 – 40 Pound OPL Machines with 3 Compartment Supply Dispenser.

NOTE: Failure to set the type of machine will affect water levels and acceleration times.

 For all units built from April 2004 to February 2006 \_X18PV \_X25PV

\_X25FV X35PV

• For all units built from March 2006 to present

X18

- X25
- X35
- X33
- X40

NOTE: To determine the date of manufacture, refer to first four digits of serial number. Example (For models built through February, 2005):

010435030301-month04-year

Example (For models built starting March, 2005):

010435030301-year04-month

Machine Type Options 55 – 200 Pound OPL Machines with 3 Compartment Supply Dispenser.

\_X55PV \_X75PV \_X100PV \_X135PV \_X165PV \_X200PV

**Machine Type Options Vended Machines with 3 Compartment Supply Dispenser.** NX18

NX30 SX33 SX40

## Machine Type Options OPL Machines with 4 Compartment Supply Dispenser.

X18R1 X25R1 X30R1 X35R1 X45R1 X55R1 X75R1 Machine Type Options Vended Machines with 4 Compartment Supply Dispenser. X18R1C X30R1C X35R1C X45R1C

- d. Units: Select English or Metric.
- e. Level hysteresis: Select the level at which the water drops before it senses it must refill (e.g. 1 inch [3 cm]) +/- requested water level due to over/undershoot of fill. This avoids overactive cycling of the water valves.
- f. **Temperature hysteresis**: Select the level at which the temperature drops before it senses it must increase the temperature (e.g. 4°F [2°C]).
- g. Heat: Select correct kw total as listed on machines serial plate or manual.
- h. Flow rate: Set the water inlet valves' average flow rate.
- i. Cold inlet temperature: Set the temperature of the cold water supply.
- j. Hot inlet temperature: Set the temperature of the hot water supply.

#### In & Out

- a. Drain 1: Standard setting is Valve. Pump is for external pumps by others.
- b. **Drain 2**: Standard setting is No Drain. Drain 2 is used for machines equipped with second drain option for reuse. Pump is for external pumps by others.
- c. **Inlet options**: Aux Fill & Hard Fill is not selected as standard. If required click on appropriate selection.

#### Behavior

- a. Advance: When selected, allows operator to fast advance through cycle when selected. Click to disable fast advance.
- b. **Spin retries**: The amount of tries an out of balance load will be redistributed for proper balance. This option applies to OPL models only.
- c. **Chem hold**: Standard not selected. This is used on special dispensers that service multiple machines from one dispenser. Delays cycle progress until dispersing is confirmed. This option applies to OPL models only.
- d. Temperature: Displays or hides the temperature. This option applies to Vended models only.

13. Click **Save** to save a new or modified cycle. A dialog text box will display. Name the file and click save. The file will save to where the software is stored unless you choose a different location.



NOTE: The standard cycles from Alliance Laundry Systems and any cycles created by you can be accessed by clicking Load.

14. Click **Prices** to open the dialog box for changing vend prices. The dialog box for changing vend prices will display.

	Alliance Planner v2.00 - Standard OPL INT - 4 Compartm	entals	
	Eile Cycle Step Machine Setup Help		
	New Load Sector	× Exit	
	select Cycle	ycle 1: Sheets Lt. Soil	Edit Step
Prices	Bit List         Image: Constraint of the constrain	Park T. Sherki U. Sudi ent Star (). Star <u>Star</u> <u>Stark</u> <u>Aux</u> <u>Hear</u> <u>Chaine Star</u> <u>Stark</u> <u>Aux</u> <u>Hear</u> <u>Chaine Star</u> <u>Hear</u> <u>Backgiote</u> <u>Hear</u> <u>Hear</u> <u>Hea</u>	Lob Star         Tenory       5 dim 0 ± die       500 1000 1500         Mais       Cold       Star       Constar         Tenory       Exactly       Cold       Star       Star         Level       Mais       District       Star       Star         Level       Constar       District       Star       Star         Wath       Personian       Vash       Rotation       Constar         Rotation       Constar       District       District
		50 cycles, total size=6	387 bytes
			CFD993R

- 15. The following information can be changed:
  - a. Prices: Allows programmer to designate the price.
  - b. **Coin Denomination:** Allows programmer to designate the coin values to be used (i.e., 25 = U.S. quarter, 100 = Yen, etc...).
  - c. Decimal Point: Allows the programmer to place the position of the decimal point.



16. Click **OK** to save changes.

**IMPORTANT:** Any changes to vend prices must be saved to your laptop before information can be transferred to a machine. Refer to Saving Cycles Section.

- 17. Change COM port in Alliance Planner
  - a. Click Setup to open the dialog box for changing the COM port.



NOTE: If the laptop does not have a free serial port, a USB to Serial Adapter can be used.

b. Select the appropriate COM port in the drop-down menu or click the "auto detect" button to find the correct port. For the auto detect function to work, the machine must be connected to the PC with the serial cable.

Alliance Planner v2.00 - Standard OPL US	- 4 Compartment.als	
File Cycle Step Machine Setup Help		
New Load Save Config Talk Prices	Print Setup Exit	
Select Cycle	Cycle 1: Sheets Lt. Soil	Edit Step
Edit name : Sheets Lt. Soil 1	Add Step Fill Supply Wash Drain	Timeout 5min 0sec 5:00 10:00 15:00
Add Opele 43     Add Opele 43	In 1999 Son Son An Law Heat     Program mode     Advanced mode     Program mode     Marring messages     Wan if file is changed Wan if replacing II     Wan if file is changed     Wan if file is changed     Wan if replacing II     Wan if file is changed     Wan if replacing II     Wan if file is changed	Cdl Hy Wass Controlled Cdl Hy Wass Controlled Cdl 007 1007 1107 1107 Installed Golded Low Med/Fill High Over 2 + 4hehh (0.5 ps) Prevaib Wash Enobled Disabled
28 Shit Col Strch 48:28 -		Laundry Systems
	42 cycles, total size	=5138 bytes //.
		CFD999F
( in p	rogram options menu	×
	regram options mena	
S	elect serial port	
S	elect port  Auto	o detect
P	ogram mode	
	Advanced mode	
P	ogram options	
	Show caption	
W	arning messages	
	Varn if file is changed Warn if r	eplacing files
	🗸 OK 🛛 🗶 Cance	el
		CFD1000R

### **OPL Models**

- 18. Place machine in program mode by turning key.
- 19. Connect cable from the laptop to the machine.



COM223F

#### **Coin Models**

- 20. Remove coin box.
- 21. Flip programming switch in top right corner of box. Refer to the following illustration.
- 22. Connect cable from the laptop to machine.



COM212F

#### **Board Information**

- 23. Click **Machine** in the application menu. Click **Board Info**. The dialog box will display the following information if the PC is connected to the machine and the machine is in Program Mode:
  - a. Planner Software
  - b. Boot software
  - c. Keyboard software
  - d. Hardware version



#### **Transferring Cycles**

- 24. Click Talk in the application menu.
- 24. A dialog box will appear.
  - a. Click Write Cycles to upload the currently loaded cycles to the laundry machine.
  - b. Click Read Cycles to download the cycles from the laundry machine to the laptop.
  - c. Click **Write Prices** to upload the vend prices (Coin models only) to the laundry machine. Vend prices must be set and saved.
  - d. Click **Read Prices** to download the laundry machine vend prices (Coin models only) to the laptop.

## Connecting to Machine (cont.)



NOTE: Write software is for technician's use only.

## Upgrading the Washer Extractor's Firmware

The following instructions explain how to upgrade the WE-8 firmware on HX, SX and UX cabinet freestanding washer-extractors using the Alliance Planner software.

- 1. Open the Alliance Planner software on your computer.
- 2. In the Alliance Planner software, click **Talk**. Refer to *Figure 1*. The *Communication via front connector* window appears.

Alliance Planner v2.00	Talk	
<u>File Cycle Step Machine Setup Helr</u>		
New Load Save Config Talk Prices	Print Setup Exit	
Select Cycle	Cycle : -	Edit Step
Edit name : 🛌 🔰 📩	Add Step Fill Supply Wash Drain	
Add Cycle 1 🗧 🗙 Delete Cycle	Insert Step Spin Soak Aux Heat	
👗 Cut 🖹 Copy 🛍 Paste 🕜 🖓	Y Delete Step	
Cycle Title Duration	Step Description Duration	
		Laundry Systems
	no cycles	

CFD1006R

Figure 1

3. From the *Communication via front connector* window, click **Write Software**. Refer to *Figure 2*. The *Open* window appears.

Í	Communication via front connector
	Cycles
Write	Write <u>C</u> ycles <u>R</u> ead Cycles
	Software
	Write <u>S</u> oftware
	Prices
	Write Prices Read Prices
	✓ 0K
	Cannot open COM4!

CFD1005R

Figure 2

4. Navigate to the firmware file. Refer to *Figure 3*. **IMPORTANT: Do not open the firmware file yet.** 



CFD1004R

Figure 3

- 5. Disconnect power from the washer-extractor.
- 6. Turn the washer-extractor's *Run/Program* switch to the **Program** position.

- 7. Connect the programming cable between the computer and the washer-extractor.
- 8. Press and hold the Start button on the washer-extractor's control.
- 9. While continuing to hold the **Start** button, re-connect power to the washer-extractor. The washer-extractor's control displays vX.XX, where "X.XX" is the version number of the control's firmware.

NOTE: The firmware must be sent from the computer to the washer-extractor within 15 seconds from when the firmware version number is displayed.

10. In the Alliance Planner software, click **Open**. Refer to *Figure 4*. The firmware file is sent from the computer to the washer-extractor.

Open							X
🔍 🗢 🚺 « Alliance Plann	er 🕨 Firmware	•	<b>4</b> 7	Search Firmw	are		٩
organize 🔻 New folder					** •		0
<ul> <li>i.squirrel-sql</li> <li>i.thumbnails</li> <li>VirtualBox</li> <li>Contacts</li> <li>Desktop</li> <li>Downloads</li> <li>Favorites</li> <li>Links</li> <li>My Documents</li> <li>Alliance Planner</li> <li>Firmware</li> <li>Washdata</li> </ul>		ALS_COIN.BIN					
Cvanus Assist	-						
File <u>n</u> ame:	ALS200.BIN		•	Alliance softwa	are(*.bi	n) Cancel	

Figure 4

11. Turn the washer-extractor's Run/Program switch to the Run position.