

*Spy Pro / Octopus*

User's Manual



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## About Us

**Control Plus G.L.** has been designing and building highly reliable electronic beverage control systems for more than 15 years. Our customers in the United States, the Caribbean and Europe are already enjoying the substantial savings that flow from our durable, efficient systems.

**Control Plus G.L.** offers a complete line of products that allow you to account for and control hard liquor, wine, beer and carbonated beverages. All of our systems offer unprecedented options for communications and integration with cash registers and point of sale systems. They can also be used as stand-alone units with a printer.



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## INTRODUCTION

### **Spy Pro**

This beverage control system is designed to meter and account for liquor and wine by the glass. To do this, it uses a spout with metal rings coded to distinguish up to 15 spouts. Each code is associated with a beverage category with an equivalent monetary value.

The system can serve four (4) different portions optionally associated with eight (8) price levels. The price levels can be changed manually or automatically according to a daily schedule.

The system can close sales manually or automatically according to a schedule. If sales are closed, the system will not dispense a beverage.

The Spy Pro system can also account for beer and wine on tap – the entry level system supports up to six (6) brands. The system will account for the keg or cask even if sales are closed.

The Octopus option card can add other beverage control capabilities to the system. The card has four (4) proprietary communication ports. These ports allow you to connect several modules: a beverage control unit with eight (8) automatic heads, a draft beer monitor for up to sixteen (16) brands, control soft drink fourteen (14) brands and cocktail towers.

The IRC option card extends communication options with TCP/IP, increasing speed and offering additional possibilities: POS, printer, Logibar (programming, reporting and remote control), centralized statistics on the internet ("web back office"), remote monitoring system ("remote syslog").

The system supports multiple USB devices (optional).

- Flash drive: allows remote updates via TFTP\*, resetting default options ("factory default").
- 104-key USB keyboard, making it easy to enter settings.
- Bluetooth, Wireless (POS, cash register, printer, Logibar, BNEP)
- USB SkyBridge, wireless SkyFlo spouts for table service
- USB hub, essential for connecting multiple devices simultaneously

\*Combined with IRC or Bluetooth

## **Octopus**

This beverage control system is designed to meter and account for liquor and wine by the glass. To do this, it uses a spout with an integrated circuit that can distinguish up to 256 beverages. Each code is associated with a brand of beverage (Smirnoff Vodka, for example).

The system can serve four (4) different portions optionally associated with eight (8) price levels. The price levels can be changed manually or automatically according to a daily schedule.

The system can close sales manually or automatically according to a schedule. If sales are closed, the system will not dispense a beverage.

The Octopus system can also account for beer and wine on tap – the entry level system supports up to six (6) brands. The system will account for the keg or cask even if sales are closed.

A card included with the Octopus system can add other beverage control capabilities to the system. The card has four (4) proprietary communication ports. These ports allow you to connect several modules: a beverage control unit with eight (8) automatic heads, a draft beer monitor for up to sixteen (16) brands, control soft drink fourteen (14) brands and cocktail towers.

The IRC card, also included, extends communication options with TCP/IP, increasing speed and offering additional possibilities: POS, printer, Logibar (programming, reporting and remote control), centralized statistics on the internet ("web back office"), remote monitoring system ("remote syslog").

The system supports multiple USB devices (optional).

- Flash drive: allows remote updates via TFTP\*, resetting default options ("factory default").
- 104-key USB keyboard, making it easy to enter settings.
- Bluetooth, Wireless (POS, cash register, printer, Logibar, BNEP)
- USB SkyBridge, wireless SkyFlo spouts for table service
- USB hub, essential for connecting multiple devices simultaneously

\*Combined with IRC or Bluetooth

## WHAT'S IN THE BOX



- Control unit
- 24V Power Supply
- Activator ring holder

### **Required Accessories (sold separately)**

- Coded spouts
- Paper or heat-shrink seals
- Rubber or magnetic spout washer
- Protective spout covers

## GENERAL RECOMMENDATIONS & SAFETY RULES



Install in a dry location, and do not immerse in water



Do not open the case, disassemble or make any modifications



The capacitors can hold a deadly charge for several days.



Always use an outlet with a ground



Make sure the 110V power is disconnected before you connect or disconnect the 24V power cord



Do not operate near liquids or flammable gases



Immersing the activator ring in water may damage it



Do not install the unit near a heat source



Do not install the unit near a source of static electricity



Do not operate near devices sensitive to magnetic fields



Wash spouts regularly



Always use the spout washer; soaking spouts is ineffective



Use spout covers to protect against insects and contamination



Do not use solvents to clean the unit



Use a damp cloth and gentle soap to clean the unit



Never allow the activator ring to dangle – use the included activator ring holder



Always follow the installation instructions carefully

## BASIC INSTALLATION

Install the unit in a suitable location using the mounting brackets and four (4) screws of proper size. Tighten the screws firmly. Install the activator ring holder near the device so that the coiled cord is not stretched out.

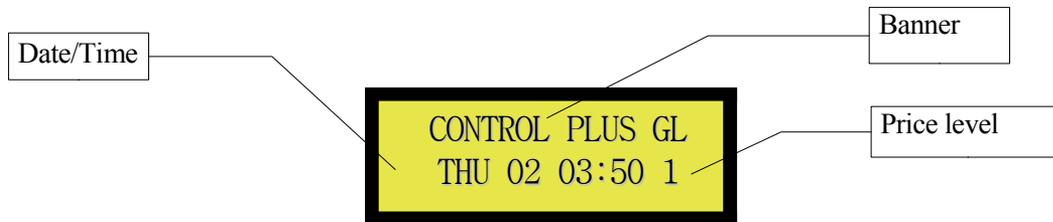
Connect the 24V power supply to the unit. The connector labeled "POWER" on the back of the unit. Then connect the 110V power supply.

The outlet must be grounded.

## OPERATION

### Pouring a Portion

Before a portion can be poured, sales must be open and the unit must be in “RUN” mode. In “RUN” mode, the LCD displays the time and the banner.



In a single motion, tip the activator ring perpendicular to the countertop above the glass. You will hear a click when the activator ring starts. This can also be followed by a high-pitched sound, which is normal.

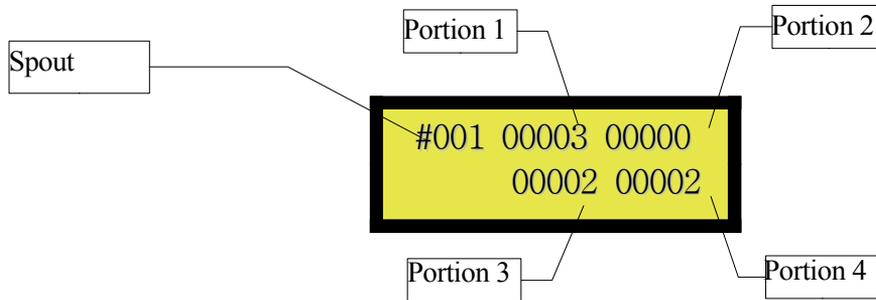
The LCD will indicate the action:



The quantity is hundredths of an ounce or milliliters, depending on the option selected. The unit will stop pouring when the specified quantity is reached. However, if you stop pouring before the set quantity has been reached, a full portion will still be registered.

## **Viewing the Counters**

The P1 key will display the manager's counters (X2), press P1 several times. If there are no sales, the counter associated with the spout will not appear.



Press P1 and P4 simultaneously to print the counters for the employee (X1)

Use the Report function in "PGM" mode to see the manager's counters, and other information (X2).

## PROGRAM MODE ("PGM")

To activate Program Mode, turn the key to the "PGM" position.

View #1



P2-Report  
P3-Sales (Open)

- Press P4 -

View #1: P2-Report p11

View #1: P3-Sales (Open) p12

View #2



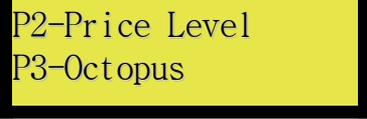
P2-Options  
P3-Bev. Config

- Press P4 -

View #2A: P2-Options p13

View #2B: P3-Bev. Config p30

View #3



P2-Price Level  
P3-Octopus

View #3A: P2-Price Level p32

View #3B: P3-Octopus p32



P2-Prog. Spout  
P3-Sync Mirrors

- Press P4 -

View #4A: P2-Prog.Spout (Brand-id model only) p33

View #4B: P3-Sync Mirrors p34

PROGRAM MODE ("PGM")

View #5

P2-Draft Int.  
P3-SkyFlo

View #5A: P2-Draft Int. p35

View #5B: P3-SkyFlo p37

0912-01 S#100000  
B#120830 M:072%

**- Press P4 - Go back to**

**View #1 p11**

PROGRAM MODE ("PGM")

**View #1**

```
P2-Report
P3-Sales(Open)
```

**View #1: P2-Report**

Press P2 to select the Report function, then navigate using P4.

View #1A

```
P2-Report X1
P3-Hourly Report
```

**- Press P4 -**

View #1B

```
P2-Report X2
P3-Print All
```

**- Press P4 - Go back  
to View #1A**

Report X1 prints the counters for all users.

The Hourly Report prints current sales statistics (price computation required).

Report X2 prints the manager's counters.

Print All prints all of the above reports and provides the option of clearing all counters.

```
Clear counters?
P1-NO          P4-YES
```

Press P4 to clear all counters, or P1 to keep them as is. Each counter can store more than sixty thousand (60,000) portions. The price counters can store more than four billion (4,000,000,000) monetary units.

PROGRAM MODE ("PGM")

View #1: P3-Sales (Open)

P2-Report  
P3-Sales(Open)

- Press P3 -

P2-Report  
P3-Sales(Closed)

- Press P3 -

You can open or close sales by pressing P3. When sales are closed the unit will not dispense any drinks.

PROGRAM MODE ("PGM")

**View #2**

P2-Options  
P3-Bev. Config

- Press P2 -

**View #2A: P2-Options**

View #2A-A

P2-Basic Config  
P3-ID Station

- Press P4 -

View #2A-A-A: P2-Basic Config p15

View #2A-A-B: P3-ID Station p16

View #2A-B

P2-Interface  
P3-Comm. RS232

- Press P4 -

View #2A-B-A: P2-Interface p19

View #2A-B-B: P3-Comm. RS232 p20

View #2A-C

P2-Replication  
P3-Price Level

- Press P4 -

View #2A-C-A: P2-Replication p21

View #2A-C-B: P3-Price Level p22

PROGRAM MODE ("PGM")

View #2A-D

P2-Event Sched.  
P3-DefaultPortion

- Press P4 -

View #2A-D-A: P2-Event Sched. p23

View #2A-D-B: P3-DefaultPortion p24

View #2A-E

P2-AutoRepeat  
P3-Activn Time

- Press P4 -

View #2A-E-A: P2-AutoRepeat p24

View #2A-E-B: P3-Activn Time p25

View #2A-F

P2-More Options  
P3-Exit Options

- Press P4 - Go back to

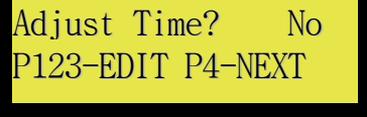
View #2 p13

View #2A-F-A: P2-More Options p25

View #2A-F-B: P3-Exit Options p25

PROGRAM MODE ("PGM")

View #2A-A-A: P2-Basic Config



Adjust Time? No  
P123-EDIT P4-NEXT

- With P3, select Yes to adjust the time -

- Press P4 -

View #2A-A-A2



CONTRAST- 006  
P123-EDIT P4-NEXT

- Press P4 -

This function is used to adjust the contrast of the display, a higher number = a paler display.

View #2A-A-A3

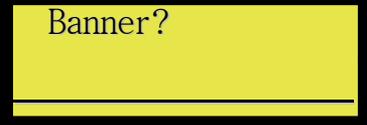


ENGLISH - 000  
P123-EDIT P4-NEXT

- Press P4 -

Select the language: French, English, Spanish, or Portuguese.

View #2A-A-A4



Banner?  
\_\_\_\_\_

- Press P4 -

Choose a banner. Leaving this blank will display CONTROL PLUS GL.

View #2A-A-A5



MEASURE -Oz Std.  
P123-EDIT P4-NEXT

- Press P4 -

"Oz Std." Regular spouts, measurement in ounces

"ml Std." Regular spouts, measurement in milliliters

"Oz Fast" High-flow spouts, measurement in ounces

"ml Fast" High-flow spouts, measurement in milliliters

PROGRAM MODE ("PGM")

View #2A-A-B: P3-Station ID

```
STATION -      001  
P123-EDIT P4-NEXT
```

- Press P4 -

The Station Number will print on the Report.

View #2A-A-B2

```
IPADDR A-      192  
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B3

```
IPADDR B-      168  
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B4

```
IPADDR C-      001  
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B5

```
IPADDR D-      210  
P123-EDIT P4-NEXT
```

- Press P4 -

The station's IP address (IRC card) is formatted as follows: AAA.BBB.CCC.DDD, in this case, 192.168.1.210

PROGRAM MODE ("PGM")

View #2A-A-B6

```
NETMSK A-      255
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B7

```
NETMSK B-      255
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B8

```
NETMSK C-      255
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B9

```
NETMSK D-      000
P123-EDIT P4-NEXT
```

- Press P4 -

The station's subnet mask (IRC card) is formatted as follows: AAA.BBB.CCC.DDD, in this case, 255.255.255.0. The subnet mask is used to determine whether traffic is on the local network.

PROGRAM MODE ("PGM")

View #2A-A-B6

```
GTEWAY A-      192
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B7

```
GTEWAY B-      168
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B8

```
GTEWAY C-      001
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-A-B9

```
GTEWAY D-      001
P123-EDIT P4-NEXT
```

- Press P4 -

The station's default gateway (IRC card) is formatted as follows: AAA.BBB.CCC.DDD, in this case, 192.168.1.1. The default gateway is used to communicate over the Internet, as traffic that is not on the local network is sent to this address.

PROGRAM MODE ("PGM")

View #2A-B-A: P2-Interface

```
INTERFCE-Printer  
P123-EDIT P4-NEXT
```

- Press P4 -

"Printer" – no interface, printer

"Register" – POS and standard ECR interface (Berg compatible)

"Protected" – POS Control Plus interface (anti double-punch)

"Scanner" – serial scanner emulation

View #2A-B-A2

```
PLUDIGIT-4  
P123-EDIT P4-NEXT
```

- Press P4 -

"3", "4", "5", "6" – the length of the automatically generated PLU code

"Memory" – use the PLUs stored in memory

"Optima" – PLU compatible with Optima cash registers

View #2A-B-A3

```
WAIT TIME-0.5 sec  
P123-EDIT P4-NEXT
```

- Press P4 -

"0.5 sec", "1 sec", "2 sec" – the wait time for a reply. If the POS does not reply in this amount of time, the unit will resend.

View #2A-B-A4

```
PLU INTERVAL-NO MIN  
P123-EDIT P4-NEXT
```

- Press P4 -

"No Min" – No wait time, so the system will send as many PLUs as possible

"0.5 sec", "1 sec", "2 sec", "3 sec" The minimum wait time between each PLU

PROGRAM MODE ("PGM")

View #2A-B-A5

CONF REQ-On  
P123-EDIT P4-NEXT

- Press P4 -

When turned on, uses the protected interface: the unit will wait for confirmation from the POS.

View #2A-B-B: P3-Com RS232

View #2A-B-B1

BAUD-9600  
P123-EDIT P4-NEXT

- Press P4 -

"2400 ", "9600 ", "19200 ", "38400 ", "57600 " – Speed of the RS232 serial port

View #2A-B-B2

PARITY -None  
P123-EDIT P4-NEXT

- Press P4 -

"None ", "No Parity", "Parity "

View #2A-B-B3

BITS -8  
P123-EDIT P4-NEXT

- Press P4 -

"8", "7" Warning: most protocols are not compatible with 7 bits.

PROGRAM MODE ("PGM")

View #2A-C-A: P2-Replication

Replication is used to copy certain settings automatically between a master unit and several slave units as they come online.

View #2A-C-A1

```
REPLICATE-Of f
P123-EDIT P4-NEXT
```

- Press P4 -

"Off" – No replication

"Master" – Master station

"Slave" – Slave station

View #2A-C-A2

```
SLAVE 1A-      000
P123-EDIT P4-NEXT
```

- Press P4 -

...

View #2A-C-A130

```
SLAVE32D-      000
P123-EDIT P4-NEXT
```

- Press P4 -

Replication requires an IRC card. A Master station can replicate its configuration to 32 Slaves. The address format is AAA.BBB.CCC.DDD, which must be the IP addresses of the Slave stations.

Enter 0.0.0.0 as the address to deactivate the Slave.

PROGRAM MODE ("PGM")

View #2A-C-B: P3-Price Level

View #2A-C-B1

```
PRICE LIST-Of f
P123-EDIT P4-NEXT
```

- Press P4 -

This turns on the monetary reports and the compilation of hourly sales.

View #2A-C-B2

```
PRICE LEVELS- 002
P123-EDIT P4-NEXT
```

- Press P4 -

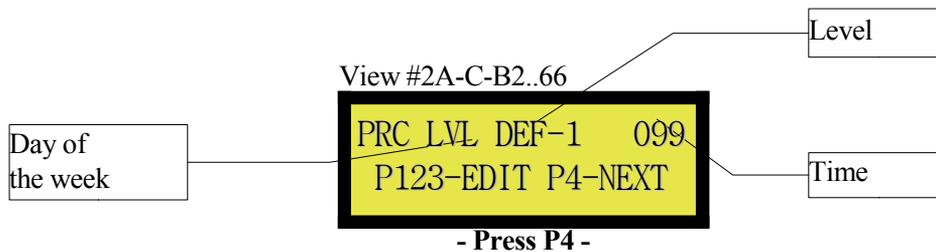
Enter the number of active price levels, up to a limit of eight (8).

View #2A-C-B1

```
PRC LVL SCHD -Auto
P123-EDIT P4-NEXT
```

- Press P4 -

Turns price level scheduling on or off.



"DEF" – Default time, applies every day of the week.

"SUN", "MON", "TUE", "WED", "THU", "FRI", "SAT" – Specific time for each day, taking precedence over the default time.

PROGRAM MODE ("PGM")

View #2A-D-A: P2- Event Schedule

View #2A-D-A1

EVNT SCHED-Of f  
P123-EDIT P4-NEXT

- Press P4 -

Turn Event Schedule on, if desired.

View #2A-D-A2

Close 99  
P123-EDIT P4-NEXT

- Press P4 -

The time for sales to close automatically.

View #2A-D-A3

Open 99  
P123-EDIT P4-NEXT

- Press P4 -

The time for sales to open automatically.

View #2A-D-A4

Print X2 99  
P123-EDIT P4-NEXT

- Press P4 -

The time for the manager's report to print automatically.

View #2A-D-A5

Print Z2 99  
P123-EDIT P4-NEXT

- Press P4 -

The time for the manager's report to print automatically, and the counters to reset to zero.

View #2A-D-A6

Reboot 99  
P123-EDIT P4-NEXT

- Press P4 -

The time for automatic reboot.

PROGRAM MODE ("PGM")

View #2A-D-B: P3-Default Portion

View #2A-D-B1

DEFLT PORTN-1  
P123-EDIT P4-NEXT

- Press P4 -

Default portion

"1 ", "2 ", "3 ", "4 "

View #2A-D-B2

WAIT DFPRTN-NoRet  
P123-EDIT P4-NEXT

- Press P4 -

"NoRet" – Do not return to the default portion

"15 sec ", "30 sec ", "45 sec " – Return to default after x seconds

"ALWYS" – Always go back to the default portion

View #2A-E-A: P2-AutoRep

Automatic repetition will dispense several portions in a row without having to repeat the pouring motion. The activator ring will operate as many times as desired as long as it is tipped to pour.

View #2A-E-A1

AUTOREP-NoRep  
P123-EDIT P4-NEXT

- Press P4 -

"NoRep" – Deactivate repetition

"NoWait" – Repeat as fast as possible

"0.25 s ", "0.50 s ", "0.75 s ", "1.00 s ", "1.25 s ", "1.50 s ", "1.75 s " – Repeat at a regular interval

PROGRAM MODE ("PGM")

View #2A-E-B: P3-Activate Delay

```
ACTVT DLA-0.25s
P123-EDIT P4-NEXT
```

- Press P4 -

"NoWait" – Activate as fast as possible

"0.25 s ", "0.50 s ", "0.75 s " – Add a wait time before dispensing the portion to allow the liquid to stabilize in the bottle.

View #2A-F-A: P2-Add. Options

View #2A-F-A1

```
SPOUTS-7
P123-EDIT P4-NEXT
```

- Press P4 -

Ring models only. Number of spouts, choose between 7 and 15.

View #2A-F-A2

```
Z2 ONLY -Of f
P123-EDIT P4-NEXT
```

- Press P4 -

Turning this option on prevents users from printing reports with P1-P4.

View #2A-F-A3

```
EXT. USER-Of f
P123-EDIT P4-NEXT
```

- Press P4 -

Sales from extensions ("Octopus" cards) are accounted for in the counter of the user who is active on the unit.

PROGRAM MODE ("PGM")

View #2A-F-A4

IGNOREFP-On  
P123-EDIT P4-NEXT

- Press P4 -

"Octopus" only. Turns off text recognition (name of the beverage) when the spout is read. Avoids beverage conflicts among various units.

View #2A-F-A5

PrntMode-RS232  
P123-EDIT P4-NEXT

- Press P4 -

"RS232" – Printer is connected on the RS232 port

"232BSS4" – Printer is connected on the RS232 port by a 232BSS4 switch

"Bluetooth" – Printer is connected on the Bluetooth port (Bluetooth required)

"Ethernt" – Printer is a network printer. (IRC required)

View #2A-F-A6

IPADDR A- 192  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A7

IPADDR B- 168  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A8

IPADDR C- 001  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A9

IPADDR D- 005  
P123-EDIT P4-NEXT

- Press P4 -

PROGRAM MODE ("PGM")

View #2A-F-A10

```
TCP PORT-      2000
P123-EDIT P4-NEXT
```

- Press P4 -

The address and the port where the unit must connect to print (Ethernet mode only)

View #2A-F-A11

```
ECR Mode-RS232
P123-EDIT P4-NEXT
```

- Press P4 -

"RS232" – POS/ECR is connected on the RS232 port

"232BSS4" – POS/ECR is connected on the RS232 port by a 232BSS4 switch

"Blutoth" – POS/ECR is connected on the Bluetooth port (Bluetooth required)

"Ethernt" – POS/ECR is a network printer. (IRC required)

View #2A-F-A12

```
IPADDR A-      192
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A13

```
IPADDR B-      168
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A14

```
IPADDR C-      001
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A15

```
IPADDR D-      005
P123-EDIT P4-NEXT
```

- Press P4 -

PROGRAM MODE ("PGM")

View #2A-F-A16

```
TCP PORT-      2000
P123-EDIT P4-NEXT
```

- Press P4 -

The address and the port where the unit needs to connect to send PLUs (Ethernet mode only)

View #2A-F-A17

```
GLSS SPOUT-CPGL
P123-EDIT P4-NEXT
```

- Press P4 -

"Octopus" model only. Spout type.

View #2A-F-A18

```
SYSLOG A-      192
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A19

```
SYSLOG B-      168
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A20

```
SYSLOG C-      001
P123-EDIT P4-NEXT
```

- Press P4 -

View #2A-F-A21

```
SYSLOG D-      100
P123-EDIT P4-NEXT
```

- Press P4 -

Address of the syslog server.

PROGRAM MODE ("PGM")

View #2A-F-A22

BCKOFF A- 192  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A23

BCKOFF B- 168  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A24

BCKOFF C- 001  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A25

BCKOFF D- 101  
P123-EDIT P4-NEXT

- Press P4 -

View #2A-F-A26

TCP PORT- 9999  
P123-EDIT P4-NEXT

- Press P4 -

Address and port of the back office server.

View #2A-F-A27

HRLY REPT-Activate  
P123-EDIT P4-NEXT

- Press P4 -

Activation of the hourly report.

PROGRAM MODE ("PGM")

View #2B: P3-Bev. Config

View #2B-A

P1-Srch P2-Num  
P3-Add #153

- Press P4 -

P1 Modify a beverage – Search by name

P2 Modify a beverage – Search by number

P3 Add a new beverage (number indicated)

View #2B-A-A1: P1-Search

View #2B-A-A1

SEARCH 030  
cAFE ROYAL \_\_\_\_\_

- Press P4 -

Use the 104-key keyboard to enter part of the name of a beverage and search the beverage database by name. This function is not case-sensitive.

View #2B-A-A2: P2-Spout Num.

View #2B-A-A2

SPOUT#- 030  
CAFE ROYAL \_\_\_\_\_

- Press P4 -

Choose the spout by number.

PROGRAM MODE ("PGM")

View #2B-A-B1: Bev. Name

View #2B-A-B1

Bev. Name?  
COURVOISIER VSOP

- Press P4 -

Enter the name of the beverage.

View #2B-A-B2

PORTION1- 0100  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 1.

View #2B-A-B3

PORTION2- 0050  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 2.

View #2B-A-B4

PORTION3- 0033  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 3.

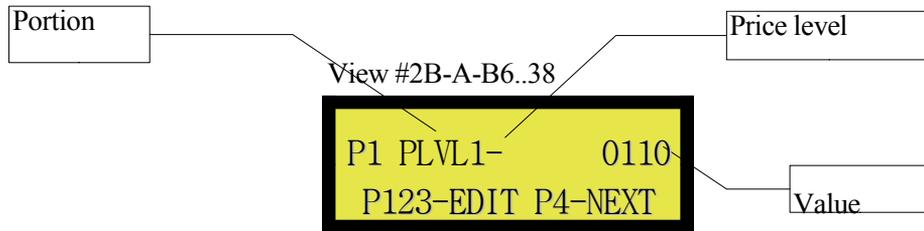
View #2B-A-B5

PORTION4- 0025  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 4.

PROGRAM MODE ("PGM")



- Press P4 -

### View #3

```
P2-Price Level
P3-Octopus
```

#### View #3A: P2-Price Level

View #3A

```
PRICE LEVEL-      1
P123-EDIT P4-NEXT
```

- Press P4 -

Select the current price level to change the price level manually, for example, during a promotion.

#### View #3B: P3-Octopus

View #3B1

```
P2-A (Not Inst.)
P3-B (Not Inst.)
```

- Press P4 -

View #3B2

```
P2-C (Not Inst.)
P3-D (Not Inst.)
```

- Press P4 -

If optional modules are installed, they will be displayed here. See corresponding section.

PROGRAM MODE ("PGM")

**View #4**

P2-Prog. Spout  
P3-Sync Mirrors

**View #4A: P2-Prog. Spout (Brand-id model only)**

View #4A-A

P1-Srch P2-Num

- Press P4 -

P1 Modify a beverage – Search by name

P2 Modify a beverage – Search by number

**View #4A-A-A1: P1-Search**

View #4A-A-A1

SEARCH 030  
cAFE ROYAL \_\_\_\_\_

- Press P4 -

Use the 104-key keyboard to enter part of the name of a beverage and search the beverage database by name. This function is not case-sensitive.

**View #4A-A-A2: P2-Spout Num**

View #4A-A-A2

SPOUT#- 030  
CAFE ROYAL \_\_\_\_\_

- Press P4 -

Select the spout by its number.

PROGRAM MODE ("PGM")

View #4A-B



SPOUT#001 FP#D10D  
ABSINTHE \_\_\_\_\_

- Press P4 -

Insert a spout in the activator ring.

View #4A-B1



PROGRAMMING  
COMPLETE

- Wait a few seconds -

Programming has been  
successfully completed.

View #4A-B2



PROGRAMMING  
FAILED

- Wait a few seconds -

An error occurred during programming. Retry the spout  
programming procedure, p33.

View #4B: P3-Sync Mirrors

View #4B-A



P3-Sync Mirrors  
000000/234567

- Press P4 -

The counter increases as the replication progresses.

PROGRAM MODE ("PGM")

**View #5**

```
P2-Draft Int .  
P3-Skyflo
```

**View #5A: P2-Draft Int.**

View #5A-A

```
LINE # - 001
```

- Press P4 -

Select the line to edit.

View #5A-B

```
Name of Line?  
Budweiser _____
```

- Press P4 -

Enter the name of the beverage.

View #5A-C

```
PORTION1- 0100  
P123-EDIT P4-NEXT
```

- Press P4 -

The quantity to dispense for portion 1.

View #5A-D

```
PORTION2- 0050  
P123-EDIT P4-NEXT
```

- Press P4 -

The quantity to dispense for portion 2.

View #5A-E

```
PORTION3- 0033  
P123-EDIT P4-NEXT
```

- Press P4 -

The quantity to dispense for portion 3.

PROGRAM MODE ("PGM")

View #5A-F

```
PORTION4-      0025
P123-EDIT P4-NEXT
```

- Press P4 -

The quantity to dispense for portion 4.

View #5A-F

```
% OVER -      010
P123-EDIT P4-NEXT
```

- Press P4 -

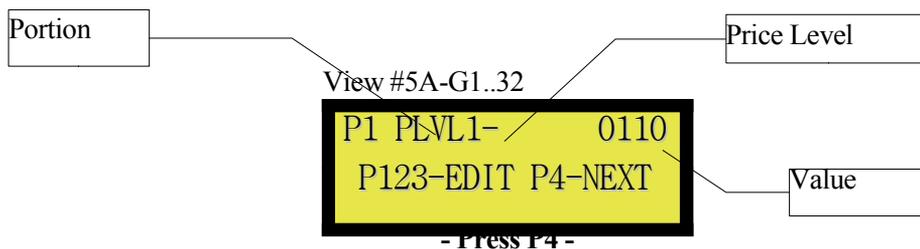
The maximum allowed overage, as a % of the portion sold.

View #5A-F

```
GRACE -      1000
P123-EDIT P4-NEXT
```

- Press P4 -

The amount of time to wait before counting a portion.



Enter the monetary value of each portion and each price level.

PROGRAM MODE ("PGM")

View #5B: P3-SkyFlo

View #5B-A

P1-Srch P2-Num

- Press P4 -

P1 Search by name

P2 Search by number

View #5B-A-A1: P1-Srch

View #5B-A-A1

SEARCH 030  
cAFE ROYAL \_\_\_\_\_

- Press P4 -

Use the 104-key keyboard to enter part of the name of a beverage and search the beverage database by name. This function is not case-sensitive.

View #5B-A-A2: P2-Spout  
Num.

View #5B-A-A2

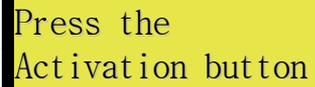
SPOUT#- 030  
CAFE ROYAL \_\_\_\_\_

- Press P4 -

Select the spout by number.

PROGRAM MODE ("PGM")

View #5B-B



Press the  
Activation button

- Press P4 -

View #4A-B1



PROGRAMMING  
COMPLETE

- Wait a few seconds -

Programming has been  
successfully completed.

View #4A-B2



PROGRAMMING  
FAILED

- Wait a few seconds -

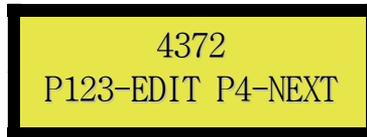
An error occurred during programming. Retry the spout  
programming procedure, p37.

## SERVICE MODE

### Accessing Service Mode

To access service mode, press and hold P2 and P3 for 30 seconds. Enter the password 4372.

View S1



- Press P4 -

- OR -

Press and hold P1 and use the service key.

**Main Menu**

View S2

P2-Reboot  
P3-Copy Memory

- Press P4 -

View S2-A: P2-Reboot p41

View S2-B: P3-Copy Memory p41

View S3

P2-Print Config  
P3-Change Keys

- Press P4 -

View S3-A: P2-Print Config p44

View S3-B: P3-Change Keys p44

View S4

P2-Del. BT Links  
P3-Config BT Access

- Press P4 -

View S4-B: P3-Config BT Access  
p45

View S5

P2-Calibration  
P3-Display Cal.

- Press P4 -

View S5-A: P2-Calibration p46

View S5-B: P3-Display Cal. p46

View S6

BDA:000000000000  
MAC:000000000000

- Press P4 - Go  
back to View S2

**View S2**

View S2

P2-Reboot  
P3-Copy Memory

**View S2-A: P2-Reboot**

View S2-A

P1-Company Def.  
P4-Erase All

Press P1 to restore the company's default settings. Press P4 to completely clear the memory.



Warning: All saved data will be lost!

**View S2-B: P3-Copy Memory**

View S2-B

P1-RS232 Serial  
P4-USB Key

Select P1-RS232 Serial to copy the memory through the RS232 serial port.  
Select P4-USB Key to copy to or from a USB key.

SERVICE MODE

View S2-B-A: P1-RS232 Serial

View S2-B-A1

COMM# XXX

The unit will try to detect the other unit. The two units must be connected with a null modem cable. If the connection does not succeed, check the cabling and try again.

View S2-B-A2

000000/000000

Copy in progress... please wait.

SERVICE MODE

View S2-B-B: P4-USB Key

View S2-B-BA

```
P2-MEMCLONE.BIN
P3-PORTABLE.BAS
```

View S2-B-BA1

```
Insert USB Key
```

The USB key is not connected. Insert a USB key and try again.

View S2-B-BA2

```
P1-NVRAM -> USB
P4-USB -> NVRAM
```

P1 Backup.  
P4 Load.

View S2-B-BA3

```
NVRAM -> USB
000000/000000
```

The download is in progress... please wait.



Warning: Turning off the device or removing the USB key will corrupt the contents of the key.

View S2-B-BA4

```
USB -> NVRAM
000000/000000
```

The upload is in progress... please wait.

## View S3

View S3

```
P2-Print Config
P3-Change Keys
```

### View S3-A: P2-Print Config

View S3-A

```
P2-Full Report
P3-Short Report
```

P2 Print a full report.

P3 Print a short report. Some fields that have be deactivated will be omitted.

### View S3-B: P3-Change Keys

View S3-B1

```
KEY#      - 01 SVC
0117ED5913000001
```

Use P1 to reset the field to zero (DEL).

Enter the key by pressing the key on the key reader

Choose the key type (SVC = Service, PGM = Programming, USR = Barmaid).

Use P4 to continue.

View S3-B2

```
Name?
Charles P. #0020
```

Enter the user name that goes with the key. This name will be displayed when the user is ready to make sales. The user will remain active until the key is used again to exit and close sales. At this point, another user can take his place.

## View S4

View S4

A yellow rectangular box with a black border containing the text:

P2-Erase BT Links  
P3-Config BT Access

The P2 key is used to erase the Bluetooth link table. This allows the system to reset the authentication process.

### View S4-B: P3-Config BT Access

View S4-B1

A yellow rectangular box with a black border containing the text:

BD ADDR/MAC?  
000000000000

Enter the physical address of the Bluetooth device to be authorized. Press P1 to search for available devices that are already connected.

View S4-B2

A yellow rectangular box with a black border containing the text:

SVC            -            00  
P123-EDIT P4-NEXT

Enter the service mask to be authorized.

Enter:

- +1 = Remote loading of files (Update)
- +2 = Printer
- +4 = Cash register or POS
- +8 = LogiBar

**View S5 (Ring model only)**

View S5

P2-Calibration  
P3-Display Cal.

**View S5-A: P2-Calibration**

View S5-A1

REMOVE SPOUT  
PRESS P4

Replace the ring on the holder. Remove any spout present and press P4.

View S5-A2

INSERT SPOUT#15  
PRESS P4

If you use 3-ring spouts, a #7 spout will do, otherwise use a #15 spout. Keep the spout inserted for the duration of the procedure.

**View S5-B: P3-Display Cal.**

Spout

View S5-B1

# 1-4096 ~~2-4096~~  
00 4-4096 8-4096

Ring 1 Voltage

Press P4 to go back to the main menu.

## DATA ENTRY MODES

### **Navigation Mode**

Navigation mode is used to choose functions via menus. For example:



P2-Report Z2  
P3-Sales (Open)

P1 – Move backward through the menus

P2 – Activate function P2 (in this case Report Z2)

P3 – Activate function P3 (in this case Sales)

P4 – Move forward through the menus

Keyboard key 2 activates P2

Keyboard key 3 activates P3

The Enter key moves forward through the menus.

Keeping a key pressed for 0.5 sec will make it repeat.

The ESC key goes back to the preceding menu (one level higher), up to the main menu.

### **Question Mode**

Question mode requires confirmation for critical functions. For example:



PLUs by Default?  
P1-YES            P4-NO

P1 – Confirm the function

P4 – Cancel the function

Keyboard key 1 activates P1

Keyboard key 4 activates P4

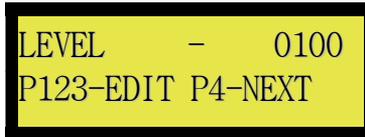
The Enter key does the same thing as P4.

Keeping a key pressed for 0.5 sec will make it repeat.

The ESC key goes back to the preceding menu (one level higher), up to the main menu.

## **Numeric Mode**

Numeric mode uses numbers in the top right part of the screen, allowing you to enter numbers. For example:



Press P1 and P2 at the same time to increase by 1000s. Press P1 to increase by 100s. Press P2 to increase by 10s. Press P3 to increase by 1s. Press P4 to confirm and enter.

The keys for numbers (0-9) insert digits to the right, pushing others to the left. The + key increases the figure by 1.

The Enter key confirms and saves.

Keeping a key pressed for 0.5 sec will make it repeat.

The ESC key goes back to the preceding menu (one level higher), up to the main menu.

## **Alphanumeric Mode**

Alphanumeric mode displays as a line of text on the lower left portion of the screen. For example:



Using keys P1 to P4, text can be edited from left to right, moving through the word. Press P1 to change the font.

Press P2 to move forward 3 letters. Press P3 to move forward just 1 letter.

Press P4 to confirm your choice of letter and move to the next. Press P4 at the end of the word to confirm your choice and save.

On the keyboard, key presses are added at the end of the word.

Number, Letter and Space key presses are added at the end of the current line. Backspace erases the previous letter.

Enter confirms and saves.

Keeping a key pressed for 0.5 sec will make it repeat.

The ESC key goes back to the preceding menu (one level higher), canceling the entered text.

## FORCED ACCESS TO THE SERVICE MENU

When the system has not yet been programmed, this procedure must be used to configure a service key.

Press and hold P2 and P3 for 30 seconds.

Release the buttons.

The following menu will appear:



0000  
P123-EDIT P4-NEXT

Enter: 4372

P1 and P2 simultaneously = 1000

P1 = 100

P2 = 10

P3 = 1

Press P4

This gives you access to the Service menu. If the code is incorrect, you'll have to start over. The unit will reboot.

## **STANDARD KEY - ACCESS TO MENUS**

To access the Service menu, use the Error page recovery procedure: reference source not found.

To access the Programming menu (PGM) just turn the key to PGM. To go back to Sales mode (RUN), turn the key to RUN. You can then remove the key.

## DALLAS KEY – ADDING USERS

In Service mode, use P4 to go to the following menu: See View S3-B:

P3-Changing Keys page 44

If you want to add a manager's key, choose PGM (Program) mode. For a sales key, choose USR (User).

You'll need to enter a name for each key.

You'll need to exit this menu by pressing P4 or Enter on the keyboard until you get back to the main menu View S3 page 44.

## **DALLAS KEY – ACCESS TO MENUS**

### **Service Key (SVC)**

The service key can access all system menus and can make sales as the “Service” user.

To access PGM mode, just press the key against the reader.

To access SVC mode, press and hold P1 then insert the key into the reader. When the lights start blinking, take the key out and release the button.

To make sales as “Service”, press and hold P2 and insert the key into the reader.

### **Manager Key (PGM)**

The manager’s key has access to the manager’s menus (PGM) and can make sales as user “Manager”.

To access PGM mode, just press the key against the reader.

To make sales as “Manager”, press and hold P2 and insert the key into the reader.

### **Sales Key (USR)**

The sales key is used to make sales as a sales person.

To activate the user, press the key against the reader. The name will appear on the LCD display.

To deactivate the user, press the key against the reader. The name will disappear from the LCD display.

One user can be deactivated by activating another user.

Only one user can be active at a time.

## MANUAL UPDATES

Unplug the device.

Use your personal computer (PC) to transfer the update file to a USB flash drive. The file is named SYSIMAGE.SBU or <serial number>.SBU.

Eject the USB device properly so it can be safely removed from the PC.

Insert the USB device into the port intended for this purpose on the unit.

Press and hold P1 and reboot the unit. The following screen will appear.



```
BOOTLOADER      V2.0
STANDARD UPDATE
```

Release P1, then select the file to use.



```
100012.SBU
P1-UPDT      P4-NEXT
```

Press P1 to launch the update process, P4 to choose another file or cancel if no other files are available.



VERIFY UPGRADE  
REJECTED

The update is not correct or there is an error in the file.  
The update is corrupt. Start again from the beginning (Manual Update p53).



VERIFY UPGRADE  
UP TO DATE

The update has already been installed.



UPDATE  
UP TO DATE

Update successful. The system will reboot in a moment.

## **Factory Default Settings**

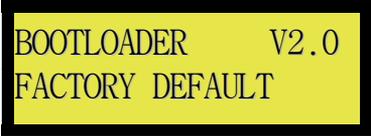
Unplug the device.

Use your personal computer (PC) to transfer the update file to a USB flash drive. The file is named SYSIMAGE.SBU or <serial number>.SBU

Eject the USB device properly so it can be safely removed from the PC.

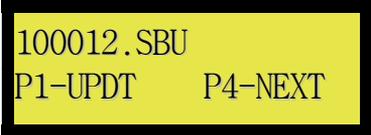
Insert the USB device into the port intended for this purpose on the unit. Press and hold

P3 and reconnect the unit. The following screen will appear.



BOOTLOADER V2.0  
FACTORY DEFAULT

Release P3, then choose the file to use.



100012.SBU  
P1-UPDT P4-NEXT

PRESS P1 to launch the update process, P4 to choose another file or cancel if no other file is available.

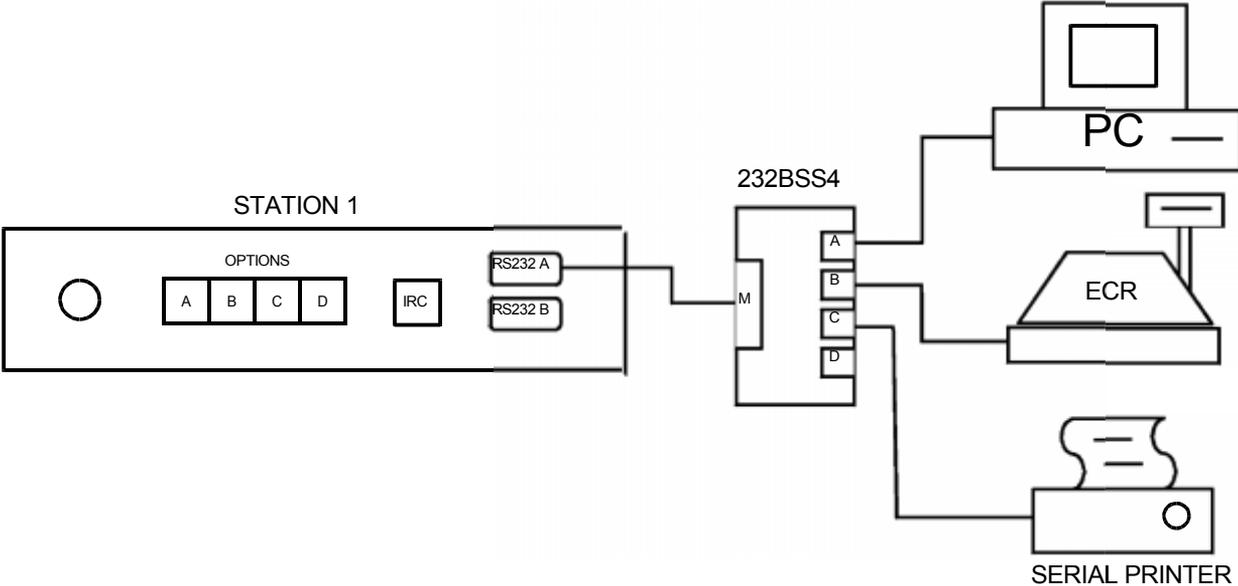
## 232BSS4 SMART SWITCH

The 232BSS4 is an RS232 hub that can be used to connect multiple devices to a single port. The SpyPro/Octopus uses this device to separate RS232 traffic into three independent flows. The first stream on port A of the hub is used to connect a PC running Logibar in order to configure and take the readings from the device. The second stream on port B is used to connect a cash register or point of sale terminal. The third stream, on port C, is used to connect a serial printer.

This set up makes it possible to use online accounting methods with a POS or offline methods using Logibar at the same time. The hub handles the mode changes automatically.

**Configuration of the Unit**

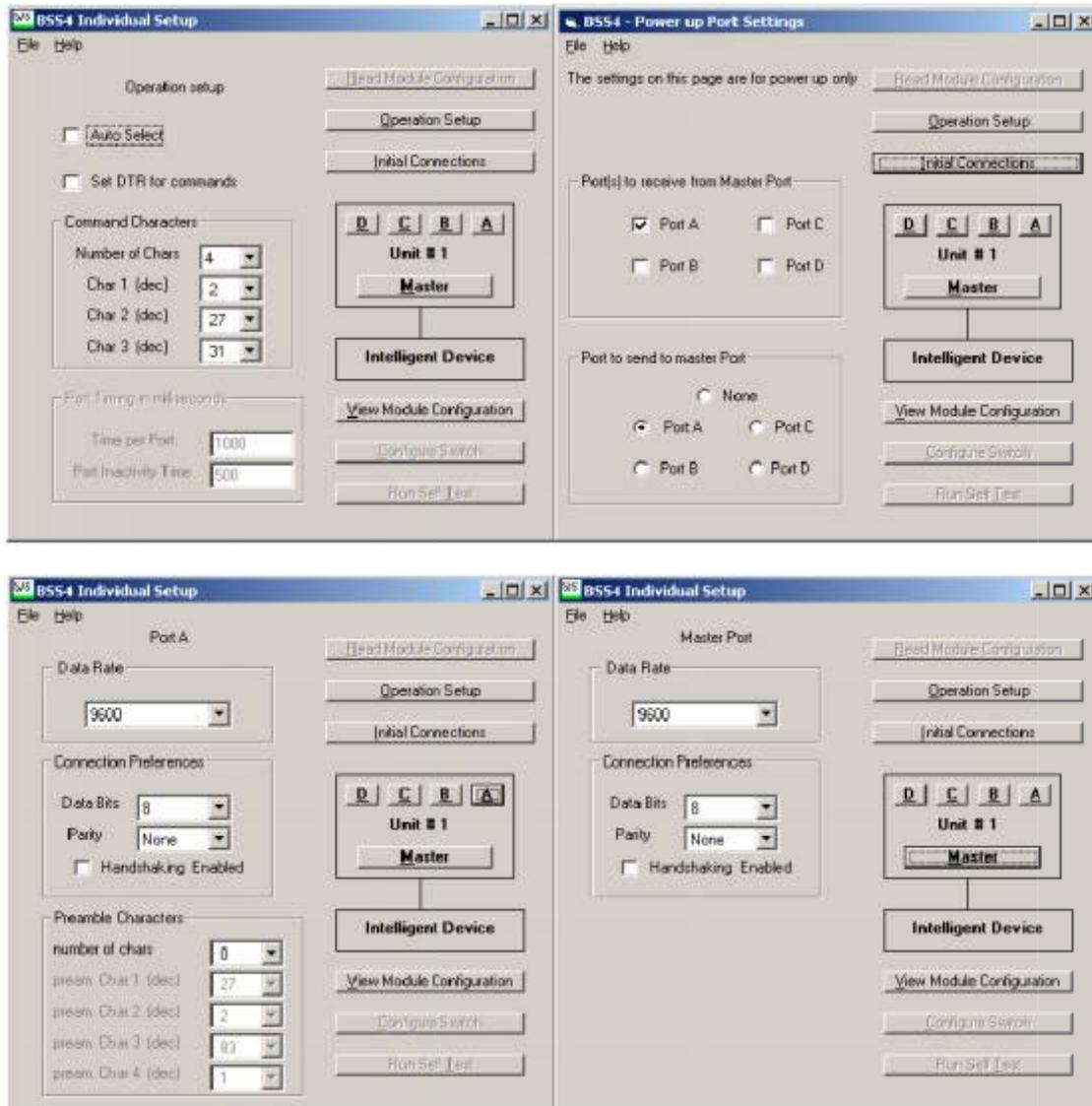
You will need to configure the RS232 port (View #2A-B-B: P3-Comm. RS232 p20).  
If you want to use a POS (View #2A-F-A11 p27), select 232BSS4.  
If you want to use a printer (View #2A-F-A5 p26), select 232BSS4.  
The PC port is always active and does not need to be configured.



The 232BSS4 is configured as a DCE, so non-crossover cables must be used to connect the station and the 232BSS4. Non-crossover cables are also used to connect the printer, the ECR and the PC.

## Configuration of the 232BSS4

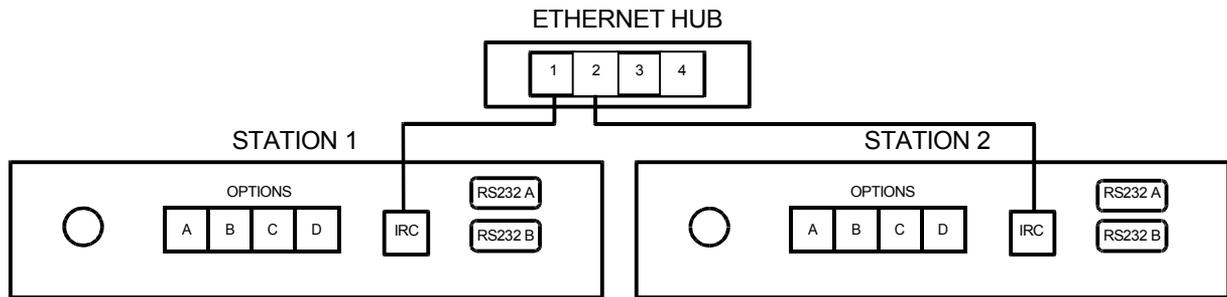
Open the 232BSS4 and install the SETUP JUMPER. Connect the MASTER PORT to the PC. Start BSS4Setup and enter the following parameters.



# IRC MODE - ETHERNET

This document covers the various configurations supported by the ethernet hardware built into the SpyPro/Octopus beverage control system

## Network



The network must be composed of at least two stations connected to an Ethernet switch. It should be noted that connecting two stations with a crossover cable **WILL NOT WORK**. Each station must have a different IP address all on the same subnet.

## Replication

To use replication, you must configure the station to use the IRC (Ethernet). Network settings (View # 2A-AB: P3-Station ID p16) and replication settings (View # 2A-CA: Replication P2-p21) must be properly configured to allow communications and to assign the roles of master and slave at each station.

When the setup is complete and connections are made, restart the master station.

If you have not previously cloned the stations, do so now using the Sync Mirrors feature (View # 4B: P3-Sync Mirrors page 34).

## **Printer**

An Ethernet printer using TCP/IP can be used to print Reports. The printer must be EPSON compatible.

To use this function, the network settings (View # 2A-AB: P3-p16 Station ID) must be properly configured to allow communications.

You must enable the printer in Ethernet mode (View # 2A-E-A5 p26).

When this option is active, the unit will make an **outgoing** TCP/IP connection to the address/port pair specified, and the printer must respond.

## **POS**

A POS system can be connected in TCP/IP mode to receive PLUs.

To use this function, the network settings (View # 2A-AB: P3-p16 Station ID) must be properly configured to allow communications.

You must enable the POS/ECR option in Ethernet mode (View # 2A-F-A11 p27).

When this option is active, the unit will make an **outgoing** TCP/IP connection to the address/port pair specified, and the POS must respond.

## **Connecting with Logibar**

To use this function, the network settings (View # 2A-AB: P3-p16 Station ID) must be properly configured to allow communications.

The Logibar function is always active, just use the IP address of the station to connect.

The connection is incoming and is made using UDP on port 733.

## Updates

To apply updates, the unit must have an IRC card and USB flash drive.

### Using the command line utility included with Windows:

Open a command line window (Start, Run, cmd.exe)

```
tftp -i 192.168.1.1 PUT  
SYSIMAGE.SBU
```

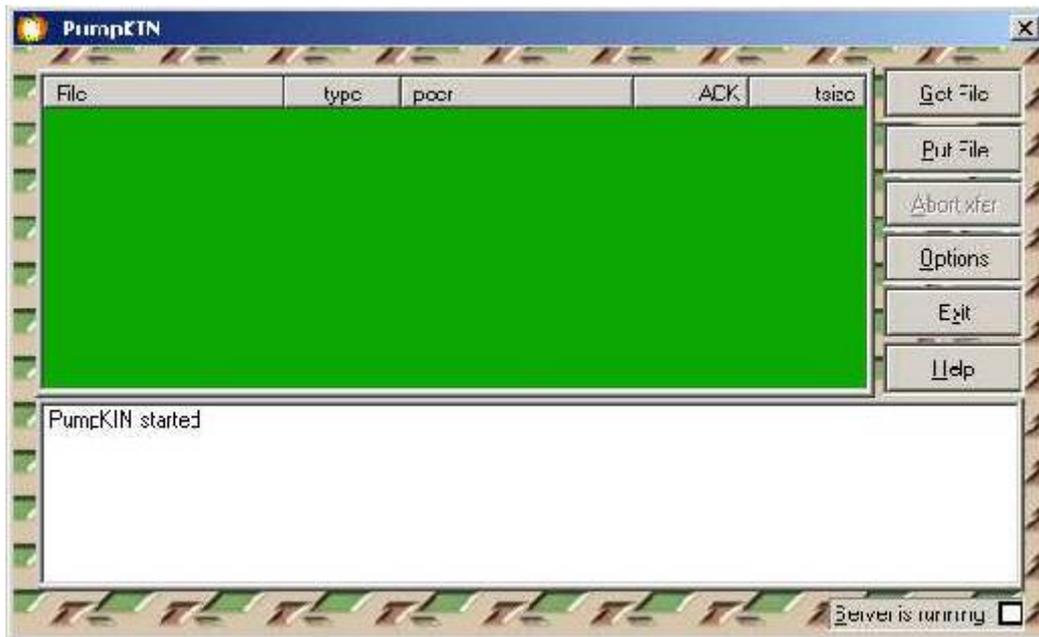
Replace 192.168.1.1 with the unit's address.

Windows 7: the file tftp.exe must be explicitly installed.

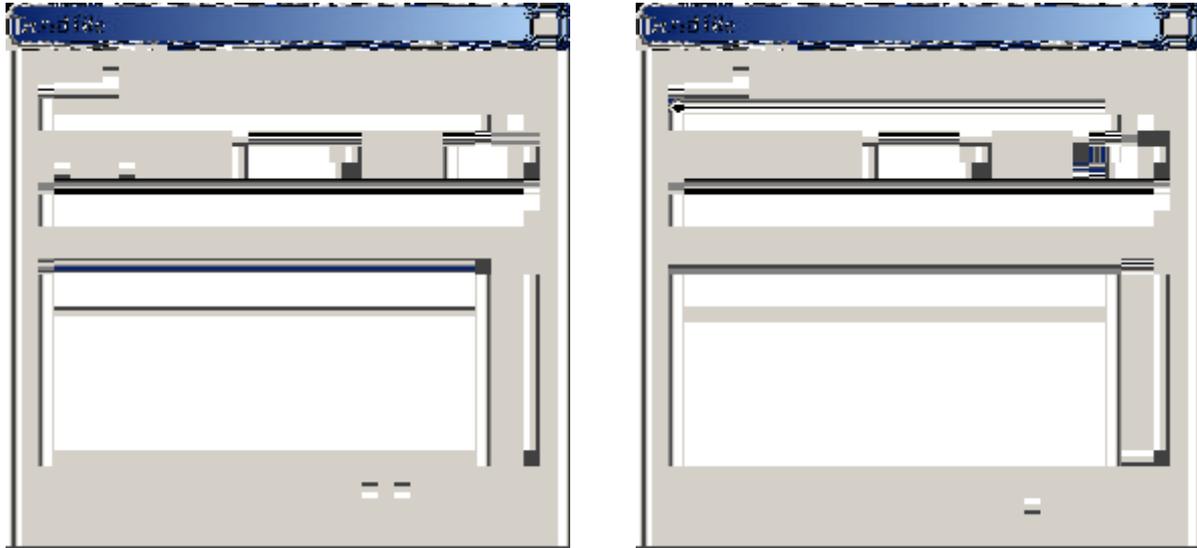
### Using the Klever Group pumpKIN

Download and install PumpKIN <http://kin.klever.net/pumpkin/binaries>

Start the software



Click on Put File



Enter the address of your station in the Remote Host box and click Browse (black icon to the right of Local file). Select the file SYSIMAGE.SBU for your station. Click Open.

Select the transfer type "byte" and Block size 512 then click OK. The transfer will run; it only takes a few seconds.

After 5 seconds, the station will restart and automatically install the update.

### **Remote Service**

PXT protocol supports various methods to facilitate service in remote mode. An application to explore these options is available. The key presses are sent directly to the station, so you can fill in numeric and alphanumeric fields without using the P1 to P4 keys.

### **Syslog**

The station has a syslog client that can send system messages on UDP port 514. To enable this service, simply add the IP address of the server. (View # 2A-F-A18 p28)

You can use the kiwi syslog daemon, splunk or any other compatible server to display the messages on a remote computer. This allows you to capture and store system messages.

**Back Office**

The unit can send PLUs to a second system which makes it possible to account for sales differently.

To enable this option, enter the address and port of the "back office" server (View # 2A-F-A22 p29).

During a sale, the unit will make a TCP/IP connection to the address specified in the settings and send an ASCII string as follows:

#	PRICE LEVEL 1				PRICE LEVEL 2					PRICE LEVEL 7				PRICE LEVEL 8			
	P1	P2	P3	P4	P1	P2	P3	P4		P1	P2	P3	P4	P1	P2	P3	P4
001	110001	120001	130001	140001	210001	220001	230001	240001		710001	720001	730001	740001	810001	820001	830001	840001
002	110002	120002	130002	140002	210002	220002	230002	240002		710002	720002	730002	740002	810002	820002	830002	840002
003	110003	120003	130003	140003	210003	220003	230003	240003		710003	720003	730003	740003	810003	820003	830003	840003
...																	
324	110324	120324	130324	130324	210324	220324	230324	240324		710324	720324	730324	740324	810324	820324	830324	840324
325	110325	120325	130325	130325	210325	220325	230325	240325		710325	720325	730325	740325	810325	820325	830325	840325
326	110326	120326	130326	130326	210326	220326	230326	240326		710326	720326	730326	740326	810326	820326	830326	840326

## BLUETOOTH

This manual covers the scenarios supported by the SpyPro/Octopus beverage control system's Bluetooth infrastructure. The system supports Bluetooth profiles, uploading files (OBEX/Put) and virtual serial port (SPP/RFCOMM). For security reasons, the service must be enabled on the station and associated with a client.

### **Presentation**

The system must be equipped with a USB Bluetooth transmitter, like the Parani UD100.



*Figure 1: UD100*



*Figure 2: SD1000*

Installing the Parani UD100 key allows the system to recognize and initialize the Bluetooth interface.

The following functions are supported:

1. Downloading an update from a personal computer to the station.
2. Connecting a POS system or a cash register.
3. Connecting Logibar to get reports.
4. Connecting a serial printer.

### **Connecting the SD1000**

If you use Bluetooth to connect to a printer (View # 2A-F p26-A5), change the printer mode to Bluetooth.

If you use Bluetooth to connect to a cash register or POS (View # 2A-F-A11 p27) change the cash register mode to Bluetooth.

### **Get the Station's BD Address**

## BLUETOOTH

mode, there is a page of information that looks like this: Navigate using the P4 key.

A screenshot of a device's Bluetooth information page. The text is displayed on a yellow background with a black border. It shows two lines: "BDA : 000000000000" and "MAC : 000000000000".

```
BDA : 000000000000  
MAC : 000000000000
```

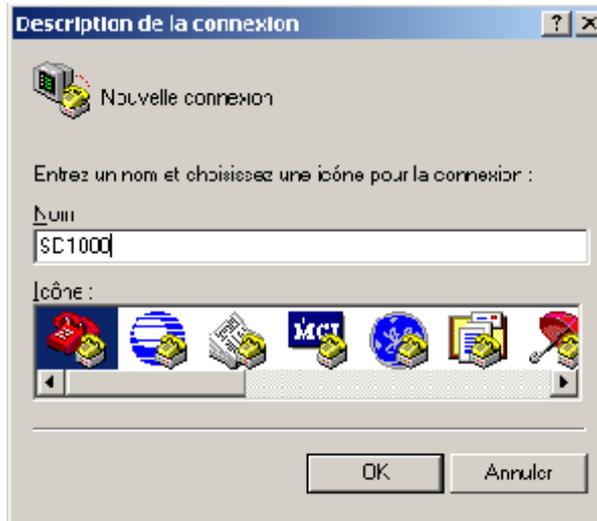
If a Bluetooth interface is installed, the "BDA" line will be something other than 0000000000. This is the line we are interested in.

## BLUETOOTH

### The SD1000 in AT Mode

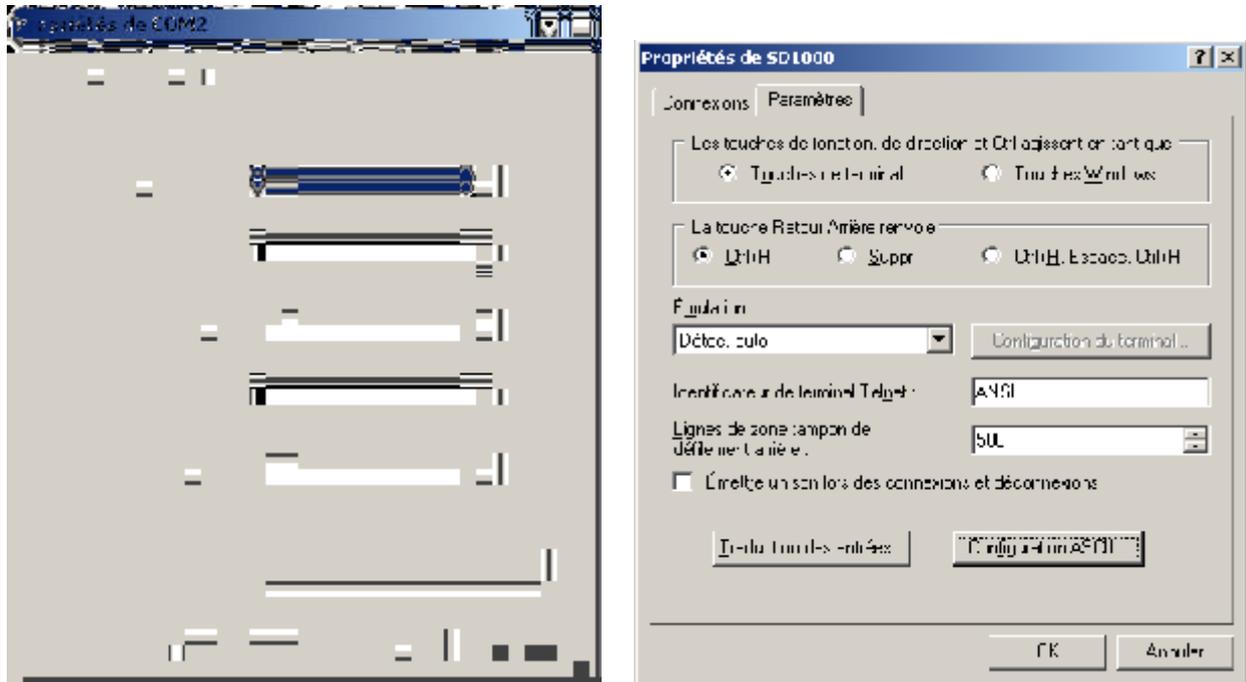
Connect the SD1000 to a PC equipped with HyperTerminal.

Make sure that the DIP switches on the SD1000 and the speed of the HyperTerminal match. Start HyperTerminal (Start, Programs, Accessories, Communication, HyperTerminal). Turn on local echo in HyperTerminal.

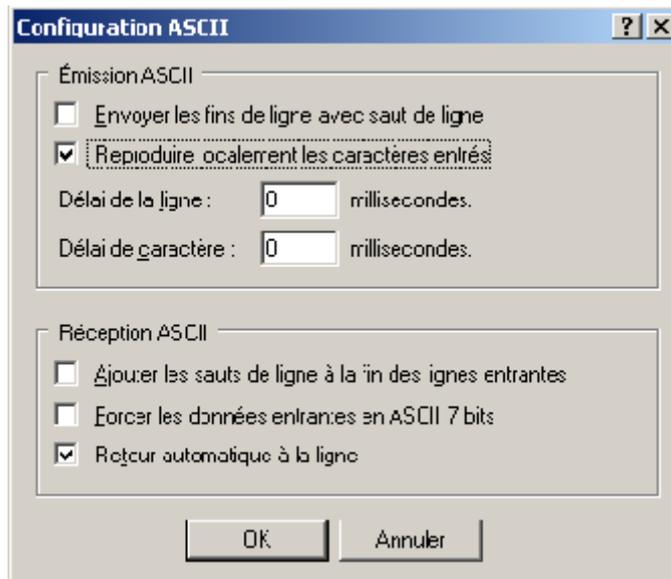


Give your connection a name, and press OK. Then select the communication port. The communication port must be the port you are using to communicate.

## BLUETOOTH



Change the bits per second setting to match the settings of the DIP switches on the SD1000. Click on ASCII configuration...



Check the box to show characters entered locally.

Turn on the SD1000 by switching the ON/OFF button to the ON position.

## BLUETOOTH

The following steps are required to set up the SD1000. If a step does not get a response or if the response is anything other than OK, you'll need to retype the command.

AT[Enter]  
Response: OK

AT&F[Enter]  
Response: OK

ATS46=(BDA of the UD100, See "Get the Station's BD Address" p65)[Enter]  
Response: OK

AT+BTKEY="1234"[Enter]  
Response: OK

AT+BTSEC,1,1[Enter]  
Response: OK

AT+BTMODE,1[Enter]  
Response: OK

ATS3=1[Enter]  
Response: OK

ATZ[Enter]  
Response: OK

The SD1000 is now ready to connect. Now, allow it to connect to the unit.

Go into Service mode (Error: Reference source not found Error: Reference source not found).

Follow the menus to Bluetooth Configuration (View S4-B: P3-Config BT Access p45).

Enter the BDA of the SD1000 or use P1 to populate the field automatically (View S4-B1 p45) from radios that have made a connection in the past. Press P1 repeatedly to view all addresses. If that does not work, enter the BDA manually.

Only part of the address is listed on the bottom of the SD1000. The address you need to enter is 000195XXXXXX. Replace the Xs with the number on the bottom of the SD1000.

Enter the Service mask (View S4-B2 p45). SVC (Service):  
2 = Printer  
4 = ECR or POS  
8 = LogiBar

Make sure that the BD\_ADDR and SVC fields for unused entries are set to 0.

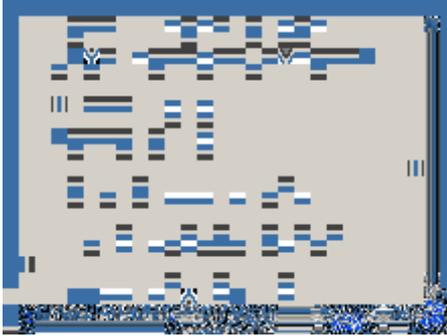
The CONNECT LED on the SD1000 should light. If it does not restart the SD1000 and the station. If this does not work, repeat the configuration procedure.

## BLUETOOTH

You now have a Bluetooth serial port. If you have installed a printer port connect it directly to the printer.  
Run PGM: P2-Report Z2 to test the connection.

## Connecting to a PC

Install your Bluetooth card. The station is compatible with the Microsoft BT stack.

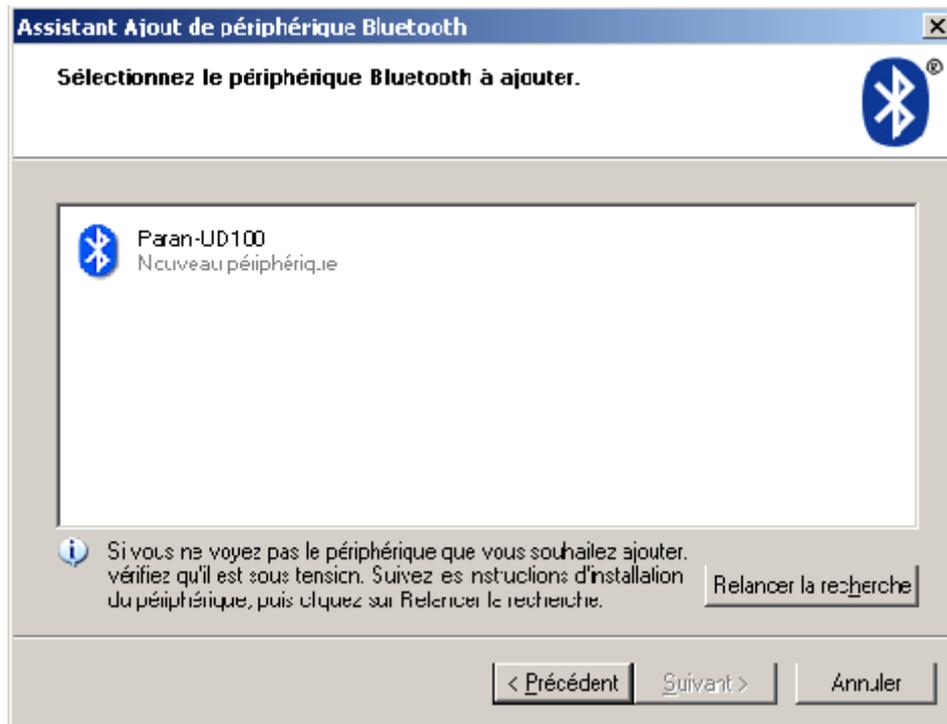


Select "Add a Bluetooth device".

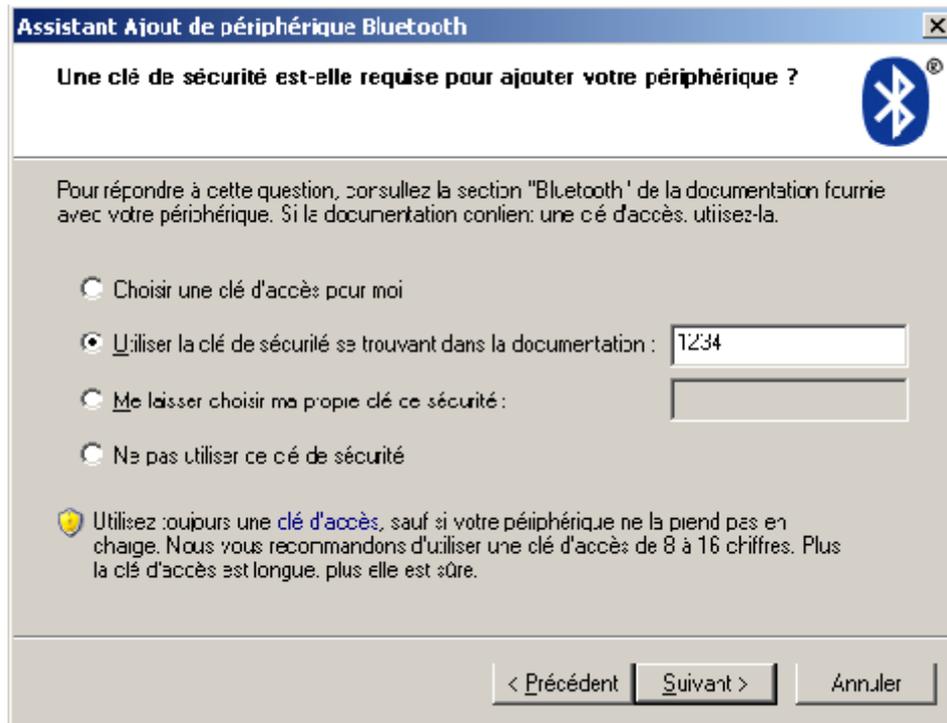


Check "My device is set up and ready to be found".

## BLUETOOTH



Click on Parani-UD100, then on Next.



Select "Use the security key..." then enter 1234.

## BLUETOOTH

Go into Service mode (Error: Reference source not found Error: Reference source not found).

Follow the menus to Bluetooth Configuration (View S4-B: P3-Config BT Access p45).

Enter the BDA of the PC or use P1 to populate the field automatically (View S4-B1 p45) from radios that have made a connection in the past. Press P1 repeatedly to view all addresses. If that does not work, enter the BDA manually.

Enter the Service mask (View S4-B2 p45). SVC (Service):

+1 = Update with OBEX

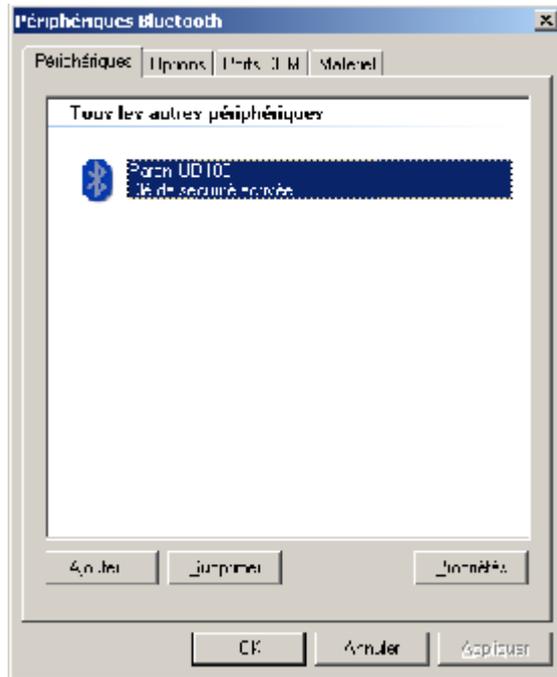
+2 = Printer

+4 = ECR or POS

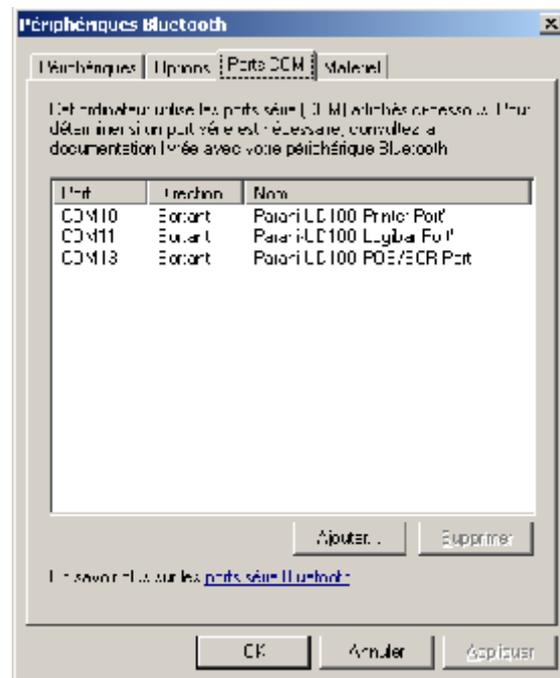
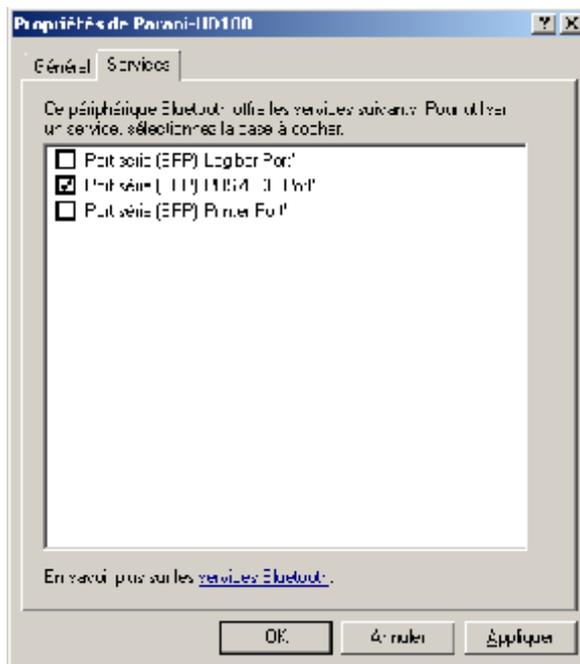
+8 = LogiBar

## BLUETOOTH

In the control panel, open "Bluetooth Devices"



Click on "Parani-UD100" then on the "Properties" button. Select the "Services" tab



Check the services you want and click on the OK button.

## BLUETOOTH

A different serial port will be installed for each service you want to connect to. If multiple ports are installed for a service, use the outgoing serial port.

### *When I check a service, I get an "Access Denied" message*

You must have administrator rights to add a Bluetooth COM port AND the Bluetooth service must be running. To solve the problem, open the Control Panel, Administrative Tools, Services. Search for "Bluetooth Support Service".

On the Connection tab, the account is LOCAL SERVICE and that is not correct.

Click Browse ..., then Advanced ..., Search

Select your account that has administrator rights

Press OK on both dialogs

Enter your password

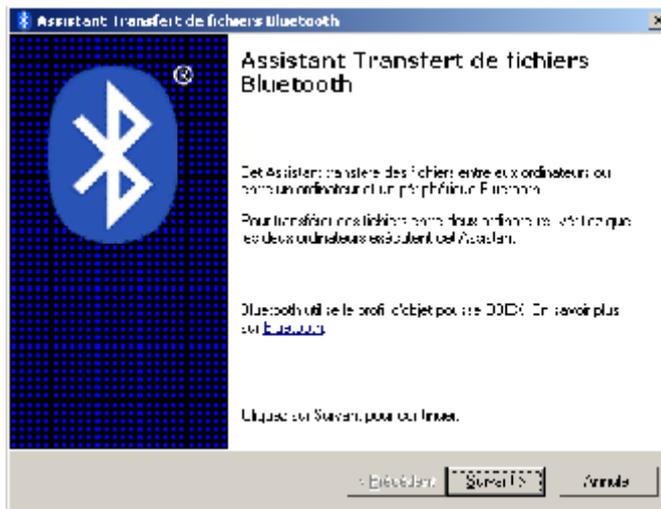
On the General tab, stop the service and restart it.

If there is no error, you can now add a serial port in your administrator account.

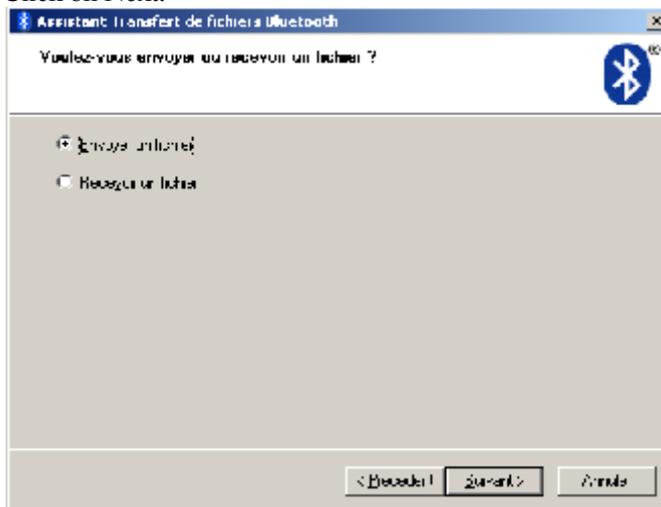
## **Updating the Station using Bluetooth/OBEX**

Wireless updating must be enabled in service mode for it to function. See "Connecting to a PC" p70. The purpose of the update program is to update the software that is running on the unit.

Start the Bluetooth File Transfer Wizard (Start, Programs, Accessories, Communications)



Click on Next.

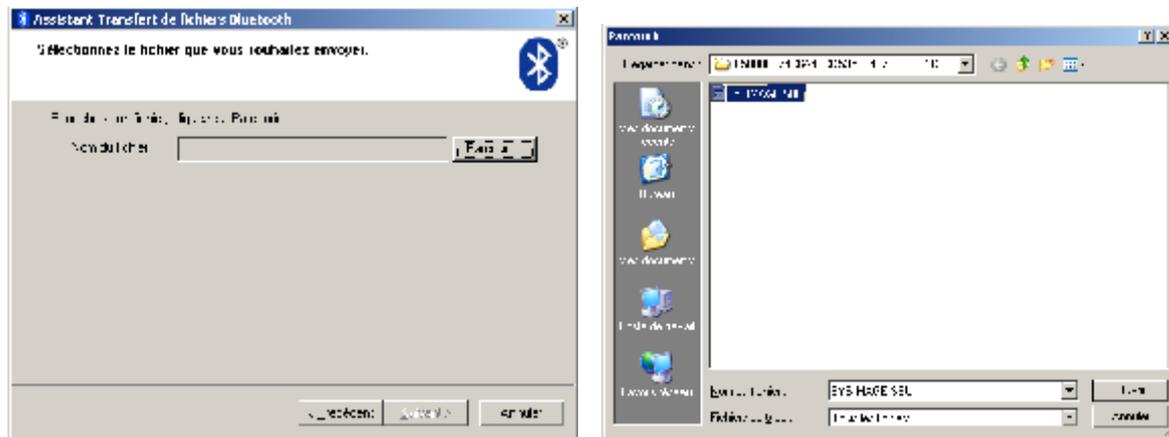


Select "Send a file" and click on Next.

## BLUETOOTH



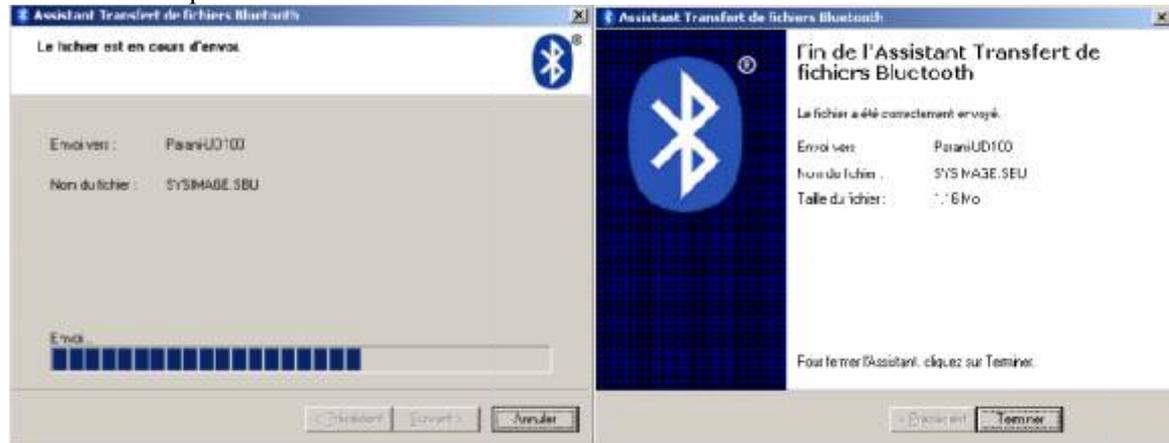
If you have several stations, select the appropriate one by clicking on browse. Click on Next.



Click on Browse... to select the update file for your station. SYSIMAGE.SBU. Click Open, then Next.

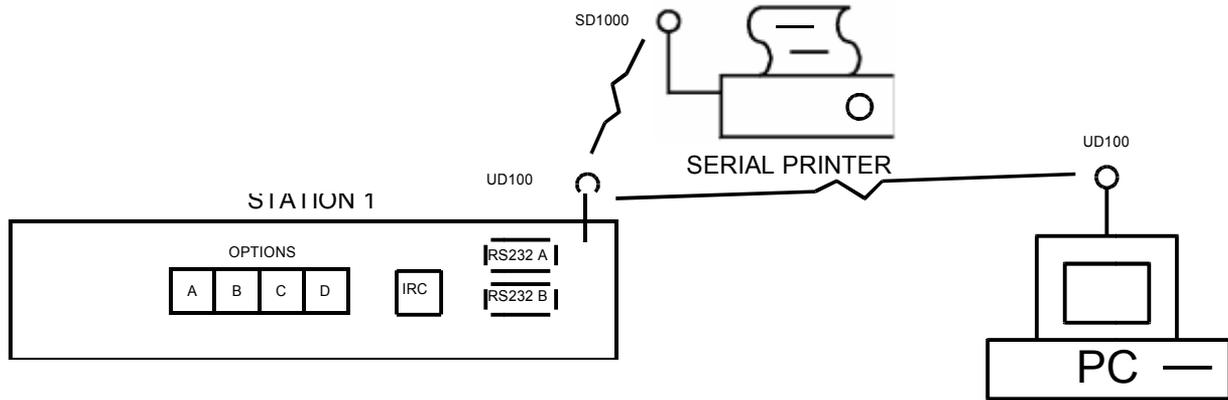
## BLUETOOTH

The file transfer process takes several minutes.



When the transfer is complete, the station will reboot and apply the update. Click on Finish.

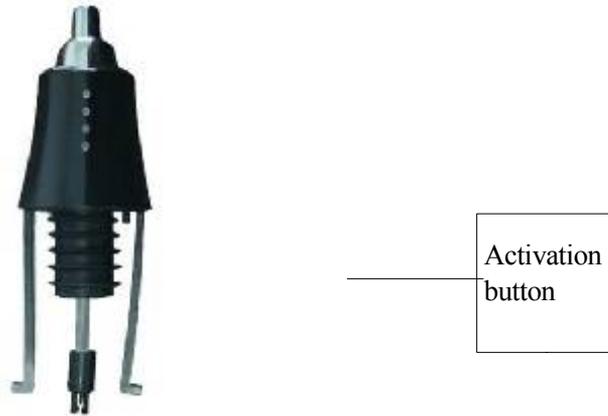
### **Special Case - Duplication of Reports**



If multiple printers (or a PC on the printer service) are connected simultaneously to the print service, reports will be duplicated on all devices. In the figure above the PC receives the data that is sent to the serial printer. Among other things, this function can be used to audit the reports printed by users. You can connect multiple printers – up to four radio links (physical) are supported. A PC counts as just one link even if it uses several services.

## SKYFLO

With the SkyFlo radio-modem, SkyFlo brand wireless spouts can be used on a Control Plus G.L. unit as standard spouts. It connects via the USB port on the back of the unit.



To program a spout, see "View # 5B: P3-SkyFlo" on page 37.

Press the button to activate the device when prompted. The activation button is located below the spout – this is what makes contact with the bottle during insertion.

Configuration settings will be transferred by a transmitter in the spout, which operates as a stand-alone device.

# PLU TABLES

## SpyPro/7-Codes

### Beverage

#	PLU DIGIT - 002				PLU DIGIT - 003				PLU DIGIT - 004				PLU DIGIT - 005			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	11	21	31	41	111	121	131	141	1011	1021	1031	1041	10011	10021	10031	10041
02	12	22	32	42	112	122	132	142	1012	1022	1032	1042	10012	10022	10032	10042
03	13	23	33	43	113	123	133	143	1013	1023	1033	1043	10013	10023	10033	10043
04	14	24	34	44	114	124	134	144	1014	1024	1034	1044	10014	10024	10034	10044
05	15	25	35	45	115	125	135	145	1015	1025	1035	1045	10015	10025	10035	10045
06	16	26	36	46	116	126	136	146	1016	1026	1036	1046	10016	10026	10036	10046
07	17	27	37	47	117	127	137	147	1017	1027	1037	1047	10017	10027	10037	10047

### Turbines

#	PLU DIGIT - 002				PLU DIGIT - 003				PLU DIGIT - 004				PLU DIGIT - 005			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	51	61	71	81	151	161	171	181	1051	1061	1071	1081	10051	10061	10071	10081
02	52	62	72	82	152	162	172	182	1052	1062	1072	1082	10052	10062	10072	10082
03	53	63	73	83	153	163	173	183	1053	1063	1073	1083	10053	10063	10073	10083
04	54	64	74	84	154	164	174	184	1054	1064	1074	1084	10054	10064	10074	10084
05	55	65	75	85	155	165	175	185	1055	1065	1075	1085	10055	10065	10075	10085
06	56	66	76	86	156	166	176	186	1056	1066	1076	1086	10056	10066	10076	10086

**SpyPro/15-Codes**

#	PLU DIGIT - 003				PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	101	201	301	401	1101	1201	1301	1401	10101	10201	10301	10401	100101	100201	100301	100401
02	102	202	302	402	1102	1202	1302	1402	10102	10202	10302	10402	100102	100202	100302	100402
03	103	203	303	403	1103	1203	1303	1403	10103	10203	10303	10403	100103	100203	100303	100403
04	104	204	304	404	1104	1204	1304	1404	10104	10204	10304	10404	100104	100204	100304	100404
05	105	205	305	405	1105	1205	1305	1405	10105	10205	10305	10405	100105	100205	100305	100405
06	106	206	306	406	1106	1206	1306	1406	10106	10206	10306	10406	100106	100206	100306	100406
07	107	207	307	407	1107	1207	1307	1407	10107	10207	10307	10407	100107	100207	100307	100407
08	108	208	308	408	1108	1208	1308	1408	10108	10208	10308	10408	100108	100208	100308	100408
09	109	209	309	409	1109	1209	1309	1409	10109	10209	10309	10409	100109	100209	100309	100409
10	110	210	310	410	1110	1210	1310	1410	10110	10210	10310	10410	100110	100210	100310	100410
11	111	211	311	411	1111	1211	1311	1411	10111	10211	10311	10411	100111	100211	100311	100411
12	112	212	312	412	1112	1212	1312	1412	10112	10212	10312	10412	100112	100212	100312	100412
13	113	213	313	413	1113	1213	1313	1413	10113	10213	10313	10413	100113	100213	100313	100413
14	114	214	314	414	1114	1214	1314	1414	10114	10214	10314	10414	100114	100214	100314	100414
15	115	215	315	415	1115	1215	1315	1415	10115	10215	10315	10415	100115	100215	100315	100415

**Turbines**

#	PLU DIGIT - 003				PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	116	216	316	416	1116	1216	1316	1416	10116	10216	10316	10416	100116	100216	100316	100416
02	117	217	317	417	1117	1217	1317	1417	10117	10217	10317	10417	100117	100217	100317	100417
03	118	218	318	418	1118	1218	1318	1418	10118	10218	10318	10418	100118	100218	100318	100418
04	119	219	319	419	1119	1219	1319	1419	10119	10219	10319	10419	100119	100219	100319	100419
05	120	220	320	420	1120	1220	1320	1420	10120	10220	10320	10420	100120	100220	100320	100420
06	121	221	321	421	1121	1221	1321	1421	10121	10221	10321	10421	100121	100221	100321	100421

PLU TABLES

**Octopus/256-Codes**

#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
001	1001	2001	3001	4001	11001	12001	13001	14001	101001	102001	103001	104001	1001001	1002001	1003001	1004001
002	1002	2002	3002	4002	11002	12002	13002	14002	101002	102002	103002	104002	1001002	1002002	1003002	1004002
003	1003	2003	3003	4003	11003	12003	13003	14003	101003	102003	103003	104003	1001003	1002003	1003003	1004003
...																
254	1254	2254	3254	4254	11254	12254	13254	14254	101254	102254	103254	104254	1001254	1002254	1003254	1004254
255	1255	2255	3255	4255	11255	12255	13255	14255	101255	102255	103255	104255	1001255	1002255	1003255	1004255
256	1256	2256	3256	4256	11256	12256	13256	14256	101256	102256	103256	104256	1001256	1002256	1003256	1004256

**Turbines**

#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	1321	2321	3321	4321	11321	12321	13321	14321	101321	102321	103321	104321	1001321	1002321	1003321	1004321
02	1322	2322	3322	4322	11322	12322	13322	14322	101322	102322	103322	104322	1001322	1002322	1003322	1004322
03	1323	2323	3323	4323	11323	12323	13323	14323	101323	102323	103323	104323	1001323	1002323	1003323	1004323
04	1324	2324	3324	4324	11324	12324	13324	14324	101324	102324	103324	104324	1001324	1002324	1003324	1004324
05	1325	2325	3325	4325	11325	12325	13325	14325	101325	102325	103325	104325	1001325	1002325	1003325	1004325
06	1326	2326	3326	4326	11326	12326	13326	14326	101326	102326	103326	104326	1001326	1002326	1003326	1004326

PLU TABLES

Option cards/Port A

#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	1257	2257	3257	4257	11257	12257	13257	14257	101257	102257	103257	104257	1001257	1002257	1003257	1004257
02	1258	2258	3258	4258	11258	12258	13258	14258	101258	102258	103258	104258	1001258	1002258	1003258	1004258
03	1259	2259	3259	4259	11259	12259	13259	14259	101259	102259	103259	104259	1001259	1002259	1003259	1004259
04	1260	2260	3260	4260	11260	12260	13260	14260	101260	102260	103260	104260	1001260	1002260	1003260	1004260
05	1261	2261	3261	4261	11261	12261	13261	14261	101261	102261	103261	104261	1001261	1002261	1003261	1004261
06	1262	2262	3262	4262	11262	12262	13262	14262	101262	102262	103262	104262	1001262	1002262	1003262	1004262
07	1263	2263	3263	4263	11263	12263	13263	14263	101263	102263	103263	104263	1001263	1002263	1003263	1004263
08	1264	2264	3264	4264	11264	12264	13264	14264	101264	102264	103264	104264	1001264	1002264	1003264	1004264
09	1265	2265	3265	4265	11265	12265	13265	14265	101265	102265	103265	104265	1001265	1002265	1003265	1004265
10	1266	2266	3266	4266	11266	12266	13266	14266	101266	102266	103266	104266	1001266	1002266	1003266	1004266
11	1267	2267	3267	4267	11267	12267	13267	14267	101267	102267	103267	104267	1001267	1002267	1003267	1004267
12	1268	2268	3268	4268	11268	12268	13268	14268	101268	102268	103268	104268	1001268	1002268	1003268	1004268
13	1269	2269	3269	4269	11269	12269	13269	14269	101269	102269	103269	104269	1001269	1002269	1003269	1004269
14	1270	2270	3270	4270	11270	12270	13270	14270	101270	102270	103270	104270	1001270	1002270	1003270	1004270
15	1271	2271	3271	4271	11271	12271	13271	14271	101271	102271	103271	104271	1001271	1002271	1003271	1004271
16	1272	2272	3272	4272	11272	12272	13272	14272	101272	102272	103272	104272	1001272	1002272	1003272	1004272

PLU TABLES

Option cards/Port B

#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	1273	2273	3273	4273	11273	12273	13273	14273	101273	102273	103273	104273	1001273	1002273	1003273	1004273
02	1274	2274	3274	4274	11274	12274	13274	14274	101274	102274	103274	104274	1001274	1002274	1003274	1004274
03	1275	2275	3275	4275	11275	12275	13275	14275	101275	102275	103275	104275	1001275	1002275	1003275	1004275
04	1276	2276	3276	4276	11276	12276	13276	14276	101276	102276	103276	104276	1001276	1002276	1003276	1004276
05	1277	2277	3277	4277	11277	12277	13277	14277	101277	102277	103277	104277	1001277	1002277	1003277	1004277
06	1278	2278	3278	4278	11278	12278	13278	14278	101278	102278	103278	104278	1001278	1002278	1003278	1004278
07	1279	2279	3279	4279	11279	12279	13279	14279	101279	102279	103279	104279	1001279	1002279	1003279	1004279
08	1280	2280	3280	4280	11280	12280	13280	14280	101280	102280	103280	104280	1001280	1002280	1003280	1004280
09	1281	2281	3281	4281	11281	12281	13281	14281	101281	102281	103281	104281	1001281	1002281	1003281	1004281
10	1282	2282	3282	4282	11282	12282	13282	14282	101282	102282	103282	104282	1001282	1002282	1003282	1004282
11	1283	2283	3283	4283	11283	12283	13283	14283	101283	102283	103283	104283	1001283	1002283	1003283	1004283
12	1284	2284	3284	4284	11284	12284	13284	14284	101284	102284	103284	104284	1001284	1002284	1003284	1004284
13	1285	2285	3285	4285	11285	12285	13285	14285	101285	102285	103285	104285	1001285	1002285	1003285	1004285
14	1286	2286	3286	4286	11286	12286	13286	14286	101286	102286	103286	104286	1001286	1002286	1003286	1004286
15	1287	2287	3287	4287	11287	12287	13287	14287	101287	102287	103287	104287	1001287	1002287	1003287	1004287
16	1288	2288	3288	4288	11288	12288	13288	14288	101288	102288	103288	104288	1001288	1002288	1003288	1004288

PLU TABLES

Option cards /Port C

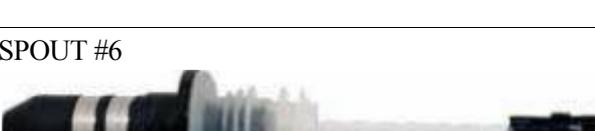
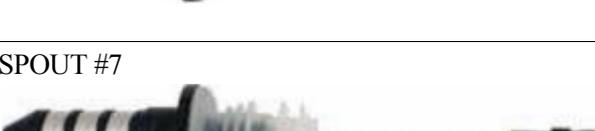
#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	1289	2289	3289	4289	11289	12289	13289	14289	101289	102289	103289	104289	1001289	1002289	1003289	1004289
02	1290	2290	3290	4290	11290	12290	13290	14290	101290	102290	103290	104290	1001290	1002290	1003290	1004290
03	1291	2291	3291	4291	11291	12291	13291	14291	101291	102291	103291	104291	1001291	1002291	1003291	1004291
04	1292	2292	3292	4292	11292	12292	13292	14292	101292	102292	103292	104292	1001292	1002292	1003292	1004292
05	1293	2293	3293	4293	11293	12293	13293	14293	101293	102293	103293	104293	1001293	1002293	1003293	1004293
06	1294	2294	3294	4294	11294	12294	13294	14294	101294	102294	103294	104294	1001294	1002294	1003294	1004294
07	1295	2295	3295	4295	11295	12295	13295	14295	101295	102295	103295	104295	1001295	1002295	1003295	1004295
08	1296	2296	3296	4296	11296	12296	13296	14296	101296	102296	103296	104296	1001296	1002296	1003296	1004296
09	1297	2297	3297	4297	11297	12297	13297	14297	101297	102297	103297	104297	1001297	1002297	1003297	1004297
10	1298	2298	3298	4298	11298	12298	13298	14298	101298	102298	103298	104298	1001298	1002298	1003298	1004298
11	1299	2299	3299	4299	11299	12299	13299	14299	101299	102299	103299	104299	1001299	1002299	1003299	1004299
12	1300	2300	3300	4300	11300	12300	13300	14300	101300	102300	103300	104300	1001300	1002300	1003300	1004300
13	1301	2301	3301	4301	11301	12301	13301	14301	101301	102301	103301	104301	1001301	1002301	1003301	1004301
14	1302	2302	3302	4302	11302	12302	13302	14302	101302	102302	103302	104302	1001302	1002302	1003302	1004302
15	1303	2303	3303	4303	11303	12303	13303	14303	101303	102303	103303	104303	1001303	1002303	1003303	1004303
16	1304	2304	3304	4304	11304	12304	13304	14304	101304	102304	103304	104304	1001304	1002304	1003304	1004304

PLU TABLES

Option cards /Port D

#	PLU DIGIT - 004				PLU DIGIT - 005				PLU DIGIT - 006				PLU DIGIT - 007			
	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
01	1305	2305	3305	4305	11305	12305	13305	14305	101305	102305	103305	104305	1001305	1002305	1003305	1004305
02	1306	2306	3306	4306	11306	12306	13306	14306	101306	102306	103306	104306	1001306	1002306	1003306	1004306
03	1307	2307	3307	4307	11307	12307	13307	14307	101307	102307	103307	104307	1001307	1002307	1003307	1004307
04	1308	2308	3308	4308	11308	12308	13308	14308	101308	102308	103308	104308	1001308	1002308	1003308	1004308
05	1309	2309	3309	4309	11309	12309	13309	14309	101309	102309	103309	104309	1001309	1002309	1003309	1004309
06	1310	2310	3310	4310	11310	12310	13310	14310	101310	102310	103310	104310	1001310	1002310	1003310	1004310
07	1311	2311	3311	4311	11311	12311	13311	14311	101311	102311	103311	104311	1001311	1002311	1003311	1004311
08	1312	2312	3312	4312	11312	12312	13312	14312	101312	102312	103312	104312	1001312	1002312	1003312	1004312
09	1313	2313	3313	4313	11313	12313	13313	14313	101313	102313	103313	104313	1001313	1002313	1003313	1004313
10	1314	2314	3314	4314	11314	12314	13314	14314	101314	102314	103314	104314	1001314	1002314	1003314	1004314
11	1315	2315	3315	4315	11315	12315	13315	14315	101315	102315	103315	104315	1001315	1002315	1003315	1004315
12	1316	2316	3316	4316	11316	12316	13316	14316	101316	102316	103316	104316	1001316	1002316	1003316	1004316
13	1317	2317	3317	4317	11317	12317	13317	14317	101317	102317	103317	104317	1001317	1002317	1003317	1004317
14	1318	2318	3318	4318	11318	12318	13318	14318	101318	102318	103318	104318	1001318	1002318	1003318	1004318
15	1319	2319	3319	4319	11319	12319	13319	14319	101319	102319	103319	104319	1001319	1002319	1003319	1004319
16	1320	2320	3320	4320	11320	12320	13320	14320	101320	102320	103320	104320	1001320	1002320	1003320	1004320

# CODED SPOUTS

<p>SPOUT #1</p> 	
<p>SPOUT #2</p> 	
<p>SPOUT #3</p> 	
<p>SPOUT #4</p> 	
<p>SPOUT #5</p> 	
<p>SPOUT #6</p> 	
<p>SPOUT #7</p> 	

CODED SPOUTS

<p>SPOUT #8</p> 	
<p>SPOUT #9</p> 	
<p>SPOUT #10</p> 	
<p>SPOUT #11</p> 	
<p>SPOUT #12</p> 	
<p>SPOUT #13</p> 	
<p>SPOUT #14</p> 	
<p>SPOUT #15</p> 	

## RS232 Cabling

DB-9M UNIT	DB-25M PRINTER	
DCD 1	1 ChGND	<div style="font-size: 2em; font-weight: bold; margin-bottom: 20px;">Printer</div> <div style="background-color: #cccccc; padding: 10px; border-radius: 50%; display: inline-block; text-align: center;"> <div style="font-weight: bold; margin-bottom: 5px;">Other POS Printer</div> </div>
RXD 2	2 TXD	
TXD 3	3 RXD	
DTR 4	4 RTS	
GND 5	5 CTS	
DSR 6	6 DSR	
RTS 7	7 GND	
CTS 8	8 DCD	
VCC 9	20 DTR	

DB-9M UNIT	RJ45 PRINTER	
N.C. 1	1 +VCC	<div style="background-color: #cccccc; padding: 10px; border-radius: 50%; display: inline-block; text-align: center;"> <div style="font-weight: bold; margin-bottom: 5px;">Ellix 10 Printer</div> </div>
RXD 2	2 DSR	
TXD 3	3 TXD	
DTR 4	4 RXD	
SGND 5	5 RTS	
DSR 6	6 CTS	
RTS 7	7 GND	
CTS 8	8 DTR	
N.C. 9	9 RI	
FGND	FGND	

RS232 CABLING

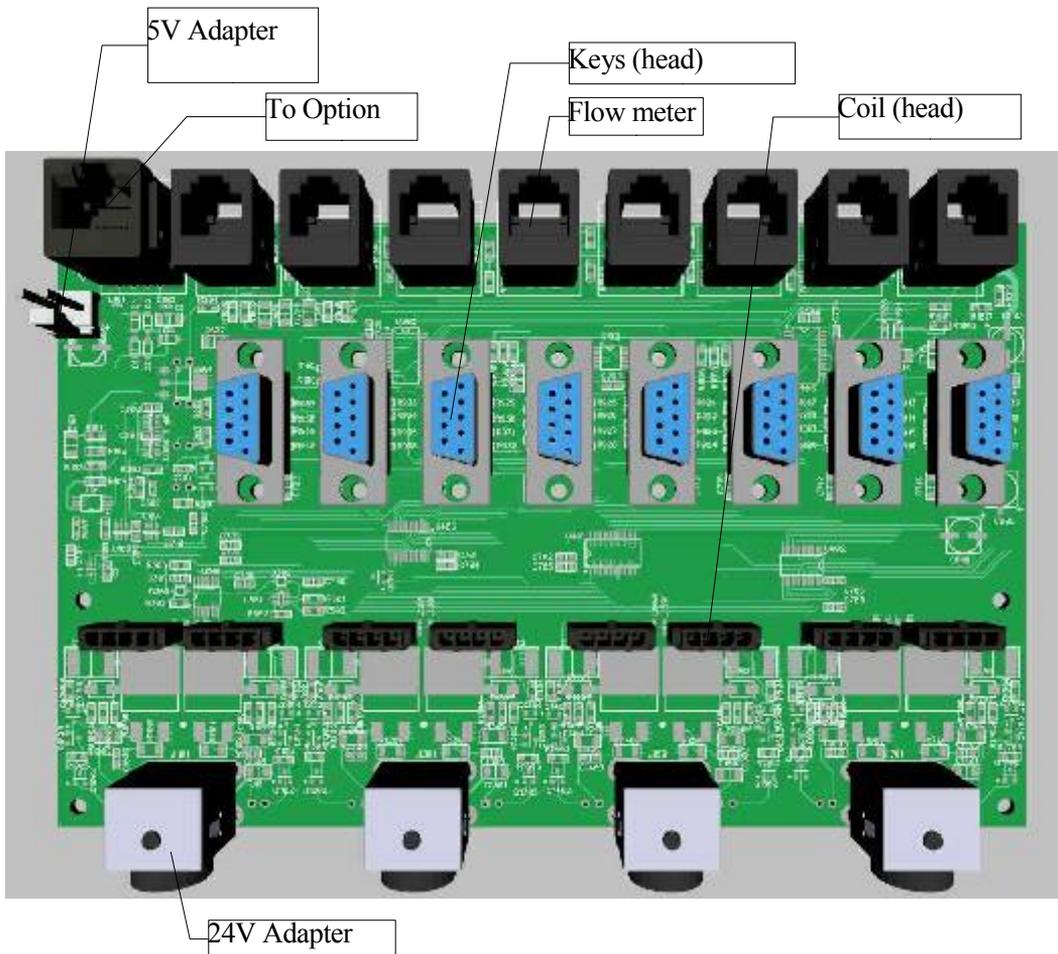
DB-9 ECR		DB-9M UNIT	
	1	1	
RXD	2	2	RXD
TXD	3	3	TXD
DTR	4	4	DTR
GND	5	5	GND
DSR	6	6	DSR
RTS	7	7	CTS
CTS	8	8	RTS



DB-9 PC/POS		DB-9M UNIT	
DCD	1	1	DCD
RXD	2	2	RXD
TXD	3	3	TXD
DTR	4	4	DTR
GND	5	5	GND
DSR	6	6	DSR
RTS	7	7	RTS
CTS	8	8	CTS
VCC	9	9	VCC



## AUTOMATIC HEADS



The "Octopus 8 TAP BEER" option card can connect up to eight (8) compatible automatic heads. These may be coupled with flow meters for accuracy in measuring portions.

To configure these heads, the option card must be present. The port option is shown on the rear of the unit's housing. A standard RJ45 network cable (non-crossover) is used to make the connection. To be recognized, the board must be powered by a 5V adapter (provided).

When the option card is properly connected to the unit, the card should appear in "View # 3B: P3-p32 Octopus" in the unit's program menu.

An option card is an integral part of the system when it is connected; it will not work when the main unit is disconnected.

View #3B1

P2-A 8 Tap Beer  
P3-B (Not Inst.)

- Press P4 -

View #3B2

P2-C (Not Inst.)  
P3-D (Not Inst.)

- Press P4 -

The name "8 Tap Beer" will appear on the line for the "option" port it is connected to. Press the appropriate key to enter the settings required for the extension to work properly.

**View #3B1-A: P2-A 8 Tap Beer**

View #3B1-A1

LINE # - 001

- Press P4 -

Select the line you want to edit.

View #3B1-A2

Name of line?  
Labatt 50 \_\_\_\_\_

- Press P4 -

Enter the name of the beverage.

View #3B1-A3

PORTION1- 0100  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 1.

View #3B1-A4

PORTION2- 0050  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 2.

View #3B1-A5

PORTION3- 0033  
P123-EDIT P4-NEXT

- Press P4 -

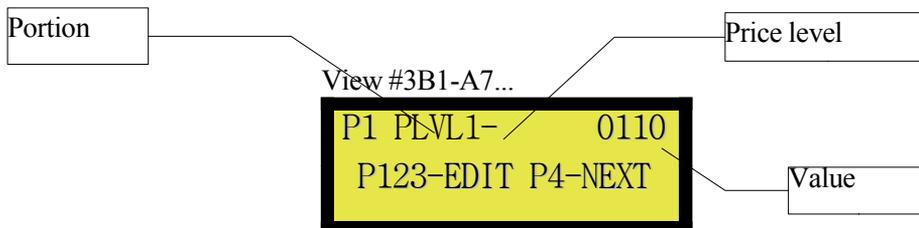
Quantity to be dispensed for portion 3.

View #3B1-A6

PORTION4- 0025  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 4.



- Press P4 -

Enter the monetary value for each portion and each price level.

**Operation**

When the head is connected and configured, and sales are permitted, the "portion" light on the front of the head will be lighted.

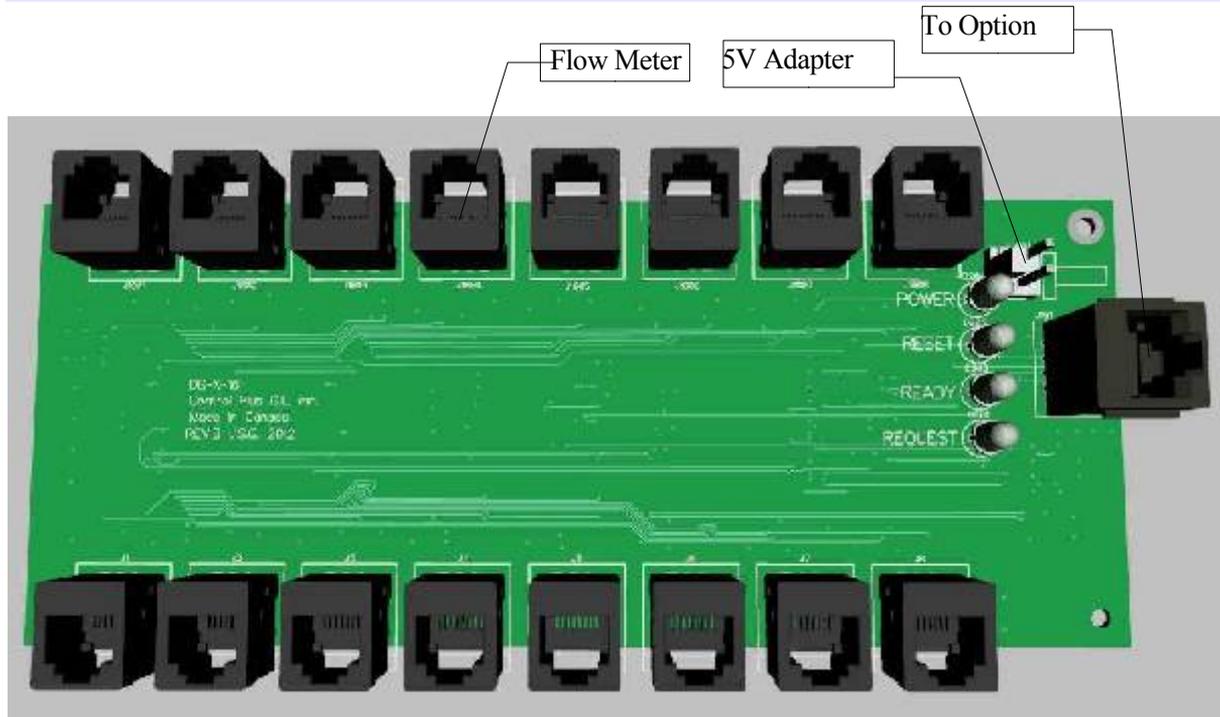
Use the "S" button to select a portion.

Pull the lever forward to dispense a portion. The head will stop automatically at the programmed portion.

You can stop to let the foam recede by pushing the lever back.

You can cancel a portion by pushing the lever and pressing the "S" button. The portion will still be accounted for.

## 16 DRAFT LINES



The "Octopus 16 Draft" option card allows for up to sixteen (16) beer kegs or wine casks. The output of beer or wine is tracked using flow meters.

To configure the system, the option card must be present. The port option is shown on the rear of the unit's housing. A standard RJ45 network cable (non-crossover) is used to make the connection. To be recognized, the board must be powered by a 5V adapter (provided).

When the option card is properly connected to the unit, the option card must appear in the view "View # 3B: P3-p32 Octopus" in the program menu of the unit.

An option card is an integral part of the system when it is connected, it will not work when the unit is disconnected.

View #3B1

P2-A 16 Draft  
P3-B (Not Inst.)

- Press P4 -

View #3B2

P2-C (Not Inst.)  
P3-D (Not Inst.)

- Press P4 -

The name "16 Draft" will appear on the line for the "option" port it is connected to. Press the appropriate key to enter the settings required for the extension to work properly.

**View #3B1-A: P2-A 16 Draft**

View #3B1-A1

LINE # - 001

- Press P4 -

Select the line to edit.

View #3B1-A2

Name of Line?  
Molson Export \_\_\_\_\_

- Press P4 -

Enter the name of the beverage.

View #3B1-A3

PORTION1- 0100  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 1.

View #3B1-A4

PORTION2- 0050  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 2.

View #3B1-A5

PORTION3- 0033  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 3.

View #3B1-A6

PORTION4- 0025  
P123-EDIT P4-NEXT

- Press P4 -

The quantity to dispense for portion 4.

View #3B1-A7

% OVER - 010  
P123-EDIT P4-NEXT

- Press P4 -

The maximum allowed overage, as a % of the portion sold.

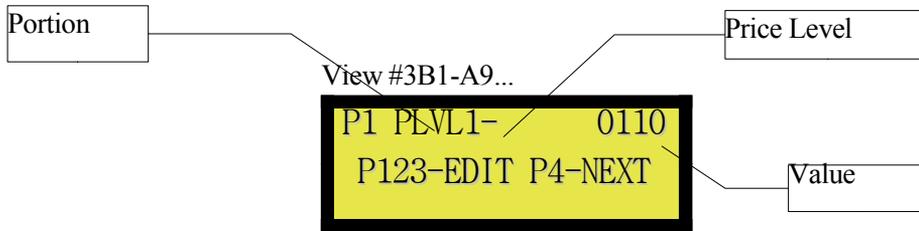
View #3B1-A8

GRACE - 1000  
P123-EDIT P4-NEXT

- Press P4 -

The amount of time to wait before counting a portion.

16 DRAFT LINES

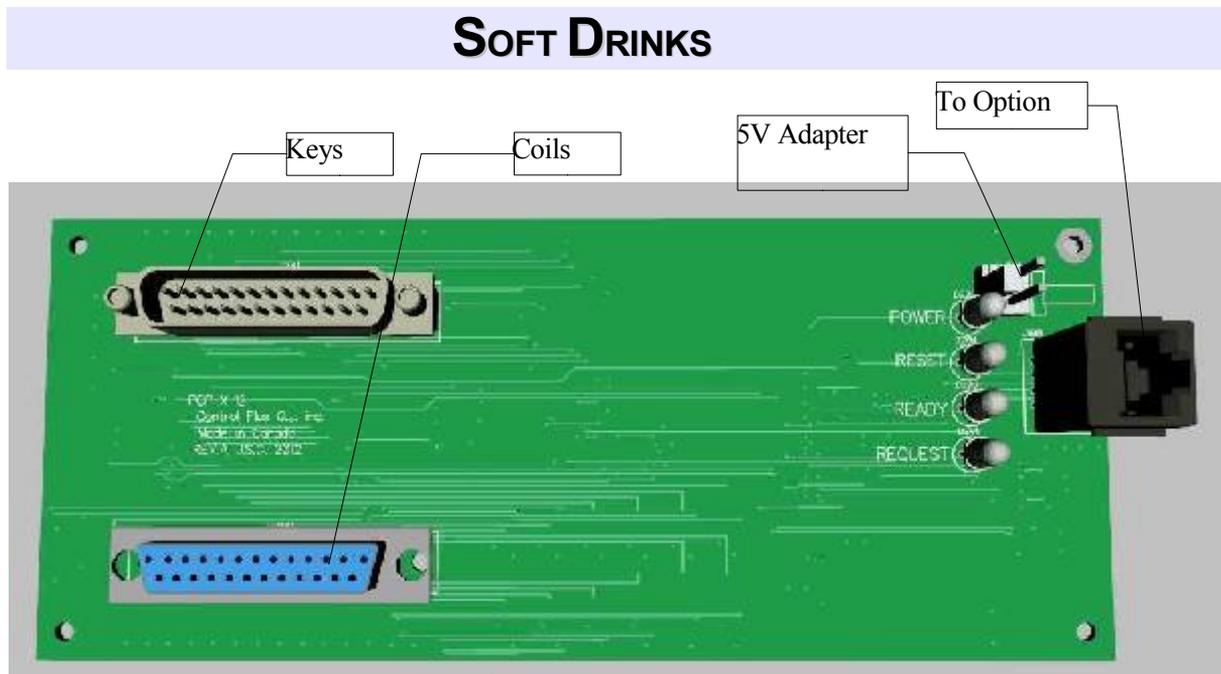


**- Press P4 -**

Enter the monetary value for each portion and each price level.

**Operation**

Pour the portion desired and wait a moment. The portion will be accounted for according to one of the four (4) preprogrammed portions.



The "Octopus Pop 12" option card can control the dispensing of soft drinks.

To configure it, the option card must be present. The option port is indicated on the rear of the unit's housing. The connection is made using a standard non-crossover RJ45 network cable. To be recognized, the board must be powered by the supplied 5V adapter.

When the option card is properly connected to the unit, the option card will appear in the view "View # 3B: P3-p32 Octopus" in the program menu of the unit.

When it is connected, an option card is an integral part of the system; it will not work when the main unit is disconnected.

View #3B1

P2-A Pop 12  
P3-B (Not Inst.)

- Press P4 -

View #3B2

P2-C (Not Inst.)  
P3-D (Not Inst.)

- Press P4 -

The name "Pop 12" will appear on the line for the port "option" to which it is connected. Press the appropriate key to enter the settings required for the proper operation of the card.

**View #3B1-A: P2-A Pop 12**

View #3B1-A1

LINE # - 001

- Press P4 -

Select the line to edit.

View #3B1-A2

Name of Line?  
Coca Cola \_\_\_\_\_

- Press P4 -

Enter the name of the beverage.

View #3B1-A3

PORTION1- 0100  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 1.

View #3B1-A4

PORTION2- 0050  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 2.

View #3B1-A5

PORTION3- 0033  
P123-EDIT P4-NEXT

- Press P4 -

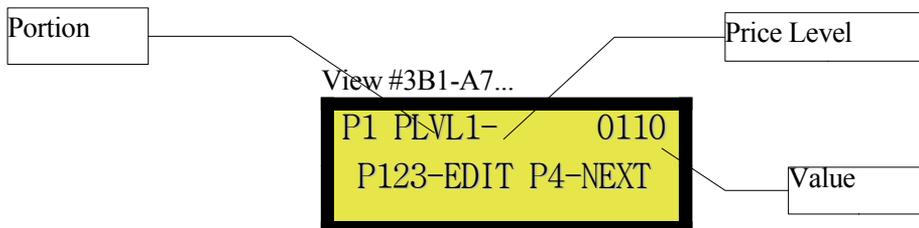
Quantity to be dispensed for portion 3.

View #3B1-A6

PORTION4- 0025  
P123-EDIT P4-NEXT

- Press P4 -

Quantity to be dispensed for portion 4.



- Press P4 -

Enter the monetary value for each portion and each price level.

**Operation**

The number 7 key allows you to go back to portion 1.  
Select the portion using the number 14 key.  
You can use keys P1 to P4 on the unit.

Press a key to dispense a portion.

## B.A.S.I.C. SCRIPTS

B.A.S.I.C. stands for "Beginner's All-purpose Symbolic Instruction Code". A Control Plus GL BASIC program can perform tasks such as:

- Print a report
- Populate the PLU tables with specific values
- Change the portions

The program must be loaded on a USB flash drive. To activate a program, press and hold P3 and P4.



```
BAS REPORT
P1-RUN    P4-NEXT
```

Use the P1 to run the program, or P4 to choose another file, or cancel the operation if there are no other files.

## **Syntax**

A BASIC program is interpreted line by line. The filename usually ends with the extension “.BAS” but the Control Plus BASIC Interpreter will execute any file presented to it.

A graphical presentation of the BASIC language supported by the Control Plus unit is available in the appendix.

The maximum length of a line of BASIC is 72 characters.

A program is composed of lines that must begin with a line number or the special keyword REM meaning "remark". The lines must be numbered in ascending order but do not need to be consecutive.

```
REM This is a remark
10 PRINT "Hi everybody"
20 END
```

A program must have at least one end-of-program line to be valid.

```
9999 END
```

A character string, either literal or generated by the STR\$ function, may not exceed a combined length of 40 characters (MAX\_STRING\_LENGTH = 40). The interpreter will truncate any excess.

The 26 possible variables are denoted by single letters A to Z.

The interpreter is not case sensitive, so "let a = 2" is the same as "LET A = 2".

## Standard Functions

### LET

The LET statement is used to assign a value to a variable. One or more mathematical operations can be performed.

```
10 LET A = 10*10
```

The variable A is assigned the result of the operation 10 multiplied by 10, or 100.

NOTE: The value persists during the execution of programs but is reset to zero when the system is rebooted.

### Mathematical Expressions

Numbers and variables supported by the "Control Plus GL BASIC" language are 32-bit signed. The domain is from -2147483648 to 2147483647.

**The result of division by zero is zero** and not infinity as is mathematically correct. Your programs should not perform division by zero.

Operator Priority

Operator	Symbol	Priority
Parentheses	()	1
Multiplication	*	2
Division	/	2
Remainder	%	2
Addition	+	3
Subtraction	-	3

Operators with the same priority are performed from left to right within a single group.

It is recommended not to use too many parentheses to group subexpressions as this can cause a stack overflow during evaluation. If you have very complex expressions, you can break them into simpler expressions and use variables to store intermediate results. In addition, the line length is limited to 72 characters as specified in the ECMA-55 standard (Minimal BASIC).

## PRINT

The PRINT statement lets you print a formatted string on a given channel.

- #0: Prints in the console (default behavior)
- #1: Prints on the printer
- #10: Clears the LCD
- #11: Prints to the top LCD line
- #12: Prints to the bottom LCD line

```
10 PRINT "Trying to print to printer port"
20 PRINT #1 "Hello from BASIC Interpreter"
30 PRINT #1 "Here is a nice table:"
31 PRINT #1
55 print #1 tab(5);"+", "+", "+";TAB(10), "+", "+"
59 for a = 1 to 20
60     print #1 tab(5);"|abc", "de";"f", "g="a;TAB(10), "Test", "| "
70 next a
100 print #1 tab(5);"+", "+", "+";TAB(10), "+", "+"
999 end
```

A comma (,) is used to align column data in conjunction with the TAB () function. For example, TAB (10) aligns data at 10 characters when there is a comma.

The semicolon is used to concatenate expressions.

The keyword LINENAME\$(X) will print the name of the line pointed to by the variable X. An end-of-line (CR/LF) is automatically added to the end of each PRINT statement.

### FOR...NEXT

The FOR...NEXT statement is used to loop through a range of values with an optional increment.

```
10 FOR I = 1 TO 10 STEP 2
20 PRINT "Value of I = ",I
30 NEXT I
```

The STEP N clause is optional, the default increment is 1. The increment may be negative.

The NEXT clause implements the increment specified in the STEP clause and loops back to the line following the FOR statement.

The interpreter allows up to 4 nested loops (MAX\_FOR\_DEPTH=4).

### GOSUB...RETURN

The GOSUB statement is used to branch to a subroutine. For example: **GOSUB 1000** branches to a subroutine found at line 1000.

```
10 GOSUB 1000
20 PRINT "GOSUB Ended"
...
1000 PRINT "Hello"
1010 RETURN
```

The RETURN statement continues to run the program at the line after the GOSUB. The interpreter can nest up to 16 subroutine calls. (MAX\_GOSUB\_DEPTH = 16).

### GOTO

The GOTO statement is used to branch unconditionally. For example: **GOTO 1000** branches to line 1000.

**IF...THEN...ELSE**

The IF statement is used for conditional branching. The relational expression is evaluated. If the result is true, the interpreter branches to the line after the keyword THEN. If the result is false, the interpreter branches to the line indicated by the keyword ELSE, if present. The ELSE clause is optional; if it does not exist the program continues to run. A relational simple expression is placed between the keyword IF and the keyword THEN.

```

10 IF A <> 0 THEN 40
20 PRINT "A equals 0"
30 GOTO 999
40 PRINT "A is different from 0"
999 END

```

If the ELSE clause does not exist and the condition is false, the program continues execution at the next line.

**Relational Expressions**

A relational expression is defined by the relationship between two mathematical expressions. The result is either true or false and can be used only in an IF statement.

Operator	Symbol
Less than	<
Greater than	>
Equal to	=
Not equal to	<>
Less than or equal to	<=
Greater than or equal to	>=

## **Extended Expressions**

Extended expressions are used to change the configuration settings of the Control Plus station and print formatted reports.

### **POUREDZ2(var,station,line,portion,level)**

The POUREDZ2 statement is used to read the value of the counter corresponding to the parameters specified in the specified variable.

- var: the name of the variable (a..z)
- station = -1 for the local station
- station >= 0 for mirror stations if any are configured.
- line > 1: the number of the line to be read
- portion 1..4: the portion number
- level: the price level

```
10 POUREDZ2 (A, -1, 100, 2, 1)
```

### **PRICETOTALZ2(var,station,line)**

The PRICETOTALZ2 statement is used to read the value of the counter corresponding to the parameters specified in the specified variable.

- var: the name of the variable (a..z)
- station = -1 for the local station
- station >= 0 for mirror stations if any are configured.
- line > 1: the number of the line to be read

```
10 PRICETOTALZ2 (A, -1, 100)
```

### **RESETZ2()**

The RESETZ2 statement resets the Z2 counters to zero. If mirror stations are configured, they are reset as well.

```
10 RESETZ2 ()
```

*LINENAME\$(station,line)*

This keyword can be used in a PRINT statement to print the name of the line. The station number is -1 for the local station and greater than zero for mirror stations.

```
5 PRINT #0 "Printing..."
50 for x = 0 to 10
69     PRINT #1 "L#";x,"[";TAB(28);LINENAME$(-1,x),"]"
80 NEXT x
998 PRINT #0 "End program"
999 END
```

SETLINENAME(value,line)

- value: a character string ""
- line> 1: the number of the line to be read

```
0 LET A = 16
1 SETLINENAME (A,"Octopus A-1")
2 SETLINENAME (A+1,"Octopus A-2")
3 SETLINENAME (A+2,"Octopus A-3")
4 SETLINENAME (A+3,"Octopus A-4")
5 SETLINENAME (A+4,"Octopus A-5")
6 SETLINENAME (A+5,"Octopus A-6")
7 SETLINENAME (A+6,"Octopus A-7")
8 SETLINENAME (A+7,"Octopus A-8")
9 SETLINENAME (A+8,"Octopus A-9")
10 SETLINENAME (A+9,"Octopus A-10")
11 SETLINENAME (A+10,"Octopus A-11")
12 SETLINENAME (A+11,"Octopus A-12")
13 SETLINENAME (A+12,"Octopus A-13")
14 SETLINENAME (A+13,"Octopus A-14")
15 SETLINENAME (A+14,"Octopus A-15")
16 SETLINENAME (A+15,"Octopus A-16")
999 END
```

*SETPORTION(value,line,portion)*

- value: a numeric expression representing the portion
- line > 1: the number of the line to be read
- portion 1 .. 4: the portion number

10 **SETPORTION** (225 , 100 , 2)

SETPRICE(value,line,portion,level)

- value: a numeric expression representing the price
- line > 1: the number of the line to be read
- portion 1..4: the portion number
- level: the price level

```
5 PRINT "Filling Octopus PRICE Bank (15 Line)"
6 LET A = 15
7 LET B = 15 + (4 * 16)
10 for i = A to B
11   for k = 0 to 7
15     for p = 0 to 3
20       SETPRICE(100*(p+1)+10*(k+1),i,p,k)
25     next p
30   next k
31   PRINT "Line#";i
40 next i
900 PRINT "Job DONE"
999 end
```

SETPLU(value,line,portion,level)

- value: (V1) numeric expression (V2) string (using STR\$)
- line > 1: the number of the line to be read
- portion 1..4: the portion number
- level: the price level

```
5 PRINT "Filling Octopus PLU Bank (15 Lines)"
6 LET A = 15
7 LET B = 15 + (4 * 16)
10 for i = A to B
11   for k = 0 to 7
20     SETPLU(STR$(1000+i+10000*(k+1)),i,0,k)
21     SETPLU(STR$(2000+i+10000*(k+1)),i,1,k)
22     SETPLU(STR$(3000+i+10000*(k+1)),i,2,k)
23     SETPLU(STR$(4000+i+10000*(k+1)),i,3,k)
29   next k
30   PRINT "Line#";i
40 next i
900 PRINT "Job DONE"
999 end
```

## **Special Expressions**

### **INPUT lcd1,lcd2,var**

The INPUT statement is used to display data on the screen and wait for a user action. The action is inserted into the specified variable. Keys P1 to P4 are represented by the numbers 1 to 4 respectively. The keyboard keys are represented by the corresponding ASCII code. Example 1: Requesting confirmation to clear the counters.

```
10 INPUT "Reset Counters?","P1-YESP4-NO",a
30 IF a = 1 THEN 40
35 IF a = 4 THEN 999
39 GOTO 10
40 RESETZ2()
999 END
```

## B.A.S.I.C. SCRIPTS

Example 2: Change a variable menu

```
10 LET a = 0
20 GOSUB 1000
30 PRINT "Value=",A
999 END

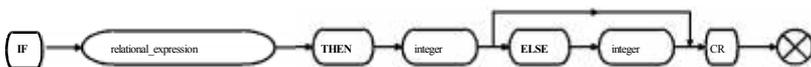
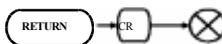
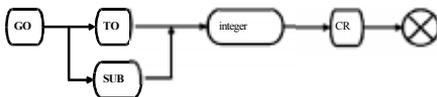
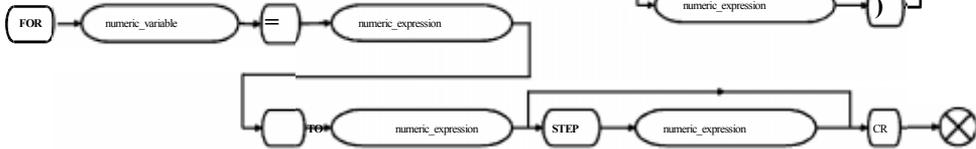
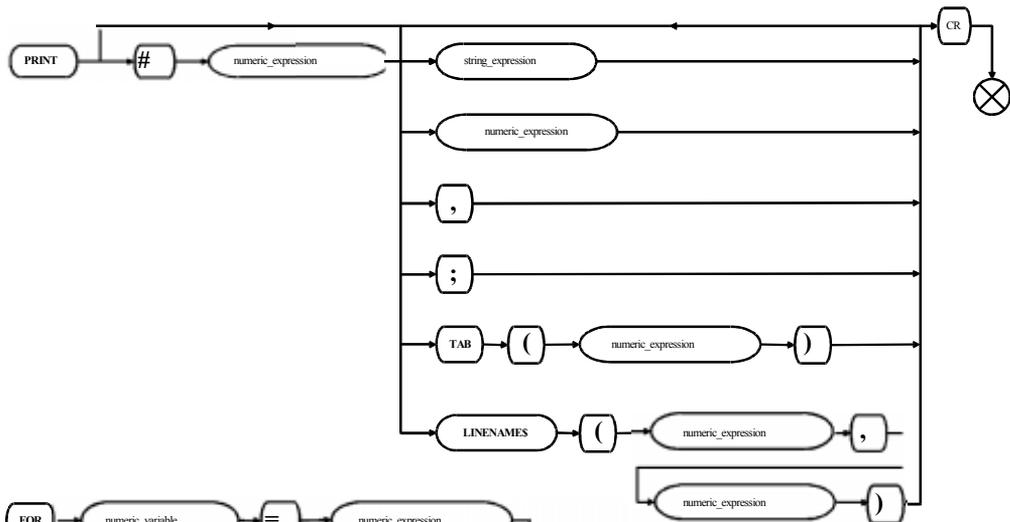
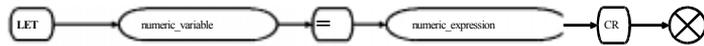
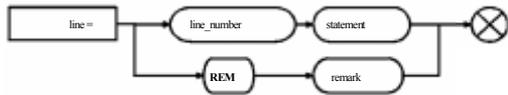
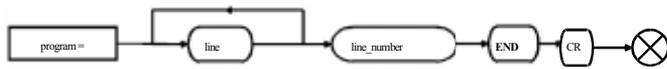
REM Sub 1000 - Edit var
A REM Inputs: A: Value
REM Side effect: Destroy T
1000 INPUT STR$( "PRICE - ",A) ,"P123-Edit P4-OK",T
1010 IF T = 1 THEN 1100
1020 IF T = 2 THEN 1200
1030 IF T = 3 THEN 1300
1040 IF T = 4 THEN 1400
1070 IF A < 1000 THEN 1000
1080 LET A = 0
1099 GOTO 1000
1100 LET A = A + 100
1110 GOTO 1070
1200 LET A = A + 10
1210 GOTO 1070
1300 LET A = A + 1
1310 GOTO 1070
1400 RETURN
9999 END
```

STR\$(...)

When there is a character string, this function is used to compose the string from other strings and numeric expressions.

```
110 LET Y = 15
120 FOR X = 1 TO 16
130 SETLINENAME (X+Y,STR$ ("Octopus A-",X) )
140 NEXT X
999 END
```

# Control Plus GL BASIC



# Control Plus GL BASIC

