

# USERS MANUEL



**747 CONTROL**  
**1547 CONTROL**

# INDEX

Preface.....	P3
Intro.....	P4
Unpacking.....	P4
Helpful do's and don'ts.....	P5
Lets get started.....	P6
Basic operation.....	P6
View and print Z1 report .....	P6
Program mode.....	P7
Z2 report.....	P8
Sales open/closed.....	P8
Options.....	P9-13
Price level schedule.....	P14
Event schedule.....	P14
Spout configuration .....	P15-16
Price level.....	P17
Set clock.....	P17-18
Identification # of unit.....	P19
Service mode.....	P20
Master clear.....	P21
Copy memory.....	P21
Activator calibration.....	P22
Edit calibration.....	P23
Print configuration.....	P23
Spout type.....	P24-25
Cable configuration.....	P26-27

## PREFACE

**Control Plus G.L.** develops and manufactures high quality liquor control devices and draft beer monitors. Our company develops cost efficient solutions that are used around the world we have installations across North America, the Caribbean and in Europe.

**Control Plus G.L.** offers a complete bar control solution allowing the end user to precisely monitor soft drinks, liquor and wine. All our monitoring devices offer communication options that allow us to interface to cash registers, printers and point of sale systems.



### ***HEAD OFFICE LOCATED***

**CONTROL PLUS G.L.**

4372, AUTOROUTE 440 WEST

LAVAL (QC), H7T 2P7

450 781-0408

1 800 363-8288

**[WWW.CONTROLPLUSGL.COM](http://WWW.CONTROLPLUSGL.COM)**

# INTRO

## 747/1547 CONTROL

These liquor control devices are designed to control liquor and wine by the glass. They offer 4 predetermined portions for each of either 7 or 15 distinct price categories. These devices operate using tried and true ring coded pourers with berg type metal rings. They also allow for 8 price levels per day, programmed start up and shut down or report printing. They are trilingual and offer numerous communication options.

# UNPACKING










## Each box contains the following:

- Liquor control device
- 24 v power supply
- Mounting bracket
- Activator ring holder

## Additional items required not included.

Seals either heat shrink or paper and the necessary combination of coded pourers.  
Spout washing device – Rubber or Magnetic

## HELPFUL DO'S AND DON'TS

-  - Do not immerse the activator ring in any liquid.
-  - Install the unit a safe distance from water.
-  - Do not install the unit next a heat source or close to any source of static electricity.
-  - Keep the power supply dry.
-  - Do not open the case risk of electric shock and no owner serviceable parts inside.
-  - Do not use spouts on the bottles to choose your portions.
-  - Always use a grounded designated outlet.
-  - Always use a spout cleaning, device, soaking spouts is useless.
-  - Always use spout covers to protect the spouts from contamination from dirt and flies.

## LETS GET STARTED

Install the unit in a suitable location using the plastic mounting bracket. Plug the 24v power supply into the back of the unit. Then into the proper power source. Turn the key on the faceplate to the **RUN** position.

### RUN

- Normal mode of operation.

### PGM

- Programming mode for set-up

### P1

- Portion 1 in **RUN** and hundreds in **PGM**.

### P2

- Portion 2 in **RUN** and tens in **PGM**.

### P3

- Portion 3 in **RUN** and units in **PGM**.

### P4

- Portion 4 in **RUN** and next in **PGM**.

## BASIC OPERATION

In run mode the unit will monitor simply and precisely liquor and wine just chose the proper portion insert the pouring spout into the activator and pour the activator will automatically stop when the portion is complete. (Pour at a 90' angle over the glass.)

In run mode we can also view and print report. But only as a stand alone or interfaced to a printer. But unavailable if linked to an ECR or POS using the unit as a stand alone (without printer) you can not activate price list or price levels.

### To view counters

- Press **P1**

### To print report

- Press **P1** and **P4** simultaneously.

# PROGRAM MODE

To activate turn key to **PGM**

**View 1**

```
P2-Z2 Report
P3-Sales(Closed)
```

Press **P4**.

**View 2**

```
P2-Set Options
P3-Config.Spout
```

Press **P4**.

**View 3**

```
P2-Price Level
P3-Set Clock
```

Press **P4**.

**View 4**

```
ID:0710    DB:01
SERIAL#:   0005L2
```

# VIEW 1 PGM

## P2- Z2 Report

Press **P2** to print Z2 report. Z2 report is the total of the portions poured per spout and is independent of Z1 report in **RUN** mode. To reset Z2 counters to zero press **P4** or press **P1** to keep totals.



P2-Z2 Report  
P3-Sales(Closed)



Reset Counter?  
P1-NO      P4-yes

## P3-Sales open/closed

Press **P3** to open sales. The unit is now ready to dispense to close press **P3**,

### OPEN



P2-Z2 Report  
P3-Sales (Open)

### CLOSE



P2-Z2 Report  
P3-Sales(Closed)

## VIEW 2 PGM

### P2 Options

To configure options see page 10-14

```
P2-Set Options
P3-Config.Spout
```

Press **P2** to configure desired options enters the # that corresponds to your needs or preferences and press **P4** next.

#### SCREEN 1

```
GENERAL - 001
P123-ADD P4-NEXT
```

#### SCREEN 2

```
GENERAL2 - 000
P123-ADD P4-NEXT
```

#### SCREEN 3

```
GENERAL3 - 000
P123-ADD P4-NEXT
```

#### SCREEN 4

```
GENERAL4 - 000
P123-ADD P4-NEXT
```

#### SCREEN 5

```
COMMUN. - 128
P123-ADD P4-NEXT
```

#### SCREEN 6

```
Price Lv - 001
P123-ADD P4-NEXT
```

#### SCREEN 7

```
STATION - 001
P123-ADD P4-NEXT
```

#### SCREEN 8

```
ENGLISH - 001
P123-ADD P4-NEXT
```

#### SCREEN 9

```
CONTRAST - 006
P123-ADD P4-NEXT
```

#### SCREEN 10

```
INTERVAL - 090
P123-ADD P4-NEXT
```

#### SCREEN 11

```
SCRANER - 001
P123-ADD P4-NEXT
```

# OPTIONS TABLE

<b>GENERAL</b>	
	<b>Features</b>
+1	Sales Open
+4	Enable Price Level Schedule
+8	Enable Price List
+64	Enable Event Schedule
+128	Enable Owner Protected Program (OPP)
	<b>Scanner port</b>
+16	Activates ECR Scanner port
+48	Activates Berg compatible interface
	(06=ACK required from the controlling device)
	<b>=Total</b>

<b>GENERAL2</b>	
	<b>Default portion</b>
+0	Portion 1 is the default portion
+1	Portion 2 is the default portion
+2	Portion 3 is the default portion
+3	Portion 4 is the default portion
+4	Return to above default portion after 15 sec.
+8	Return to above default portion after 30 sec.
+12	Return to above default portion after 45 sec.
+16	Return to above default portion after each pour
	<b>Inter-PLU Delay</b>
+0	No delay
+32	500ms delay
+64	1sec. Delay
+96	1,5 sec. Delay
+128	Phase X CRC CCITT-8408
	<b>=Total</b>

<b>GENERAL3</b>	
	<b>Auto-Repeat</b>
+1	Enable Auto-Repeat Feature
+2	Auto-Repeat delay Add 0.250 sec
+4	Auto-Repeat delay Add 0.5 sec
+8	Auto-Repeat delay Add 1 sec
	<b>Activation delay</b>
+16	Activation delay Add 0.25 sec
+32	Activation delay Add 0.5 sec
	<b>=Total</b>

<b>GENERAL4</b>	
	<b>Misc.</b>
+64	Enable free pour when setting portions, to manually configure portions.
	<b>=Total</b>

<b>COMMUN.</b>	
	<b>Reporting</b>
+0	6 extra line feeds at the end of report
+1	9 extra line feeds at the end of report
+2	12 extra line feeds at the end of report
+3	15 extra line feeds at the end of report
+4	Will not print out reports while in the RUN mode
	<b>Parity</b>
+0	No parity
+16	Odd parity
+48	Even parity
	<b>Baud rate</b>
+0	1200 Baud rate
+64	2400 Baud rate
+8	4800 Baud rate
+128	9600 Baud rate
+72	28800 Baud rate
+192	19200 Baud rate
+138	38400 Baud rate
+200	57600 Baud rate
	<b>ALWAYS POWER DOWN AFTER CHANGING COMMUNICATION OPTIONS TO RECORD THE CHANGES.</b>
	<b>=Total</b>

<b>PRICELVL</b>	
	<b>Price Levels</b>
1-8	Activate that number of price levels
	<b>=Total</b>

<b>STATION</b>	
1-255	Station #
	<b>=Total</b>

<b>CHOIX DE LANGAGE</b>	
+0	French
+1	English
+2	Spanish
+3	Portuguese
	<b>=Total</b>

<b>CONTRAST</b>	
1-22	Contrast on the screen    ( <b>+6 Standard</b> )
	<b>=Total</b>

<b>INTERVAL</b>	
1-255	Debit interval (100=1 Oz IMP if the interval option is set to 45).
	<b>=Total</b>

<b>SCANNEUR</b>	
<b>PLU Options</b>	
+1	Send 12 digit PLU (099999 XXXYY)
+0	XY (Portion X, Spout Y)
+2	1XY (Portion X, Spout Y)
+4	10XY (Portion X, Spout Y)
+6	100XY (Portion X, Spout Y)
+8	Use PLU Stored in memory
<b>When the ECR Scanner Port is activated</b>	
+16	Activates the check digit required by certain ECRs
+32	Adds a prefix byte before the PLU
+64	Removes the line feed (0x0D)
+128	Removes the carriage return (0x0A)
<b>When the Berg compatible interface is activated</b>	
+16	Extends communication delay (add 1 sec.)
+32	Extends communication delay (add 1 sec.)
+128	Does not wait for a confirmation (No ACK Required)
	<b>=Total</b>

<b>PREFIXE1</b>	
+2	CRS3000 Scanner Interface
+65	Uniwell Scanner interface
	<b>=Total</b>

<b>PREFIXE2</b>	
+2	CRS3000 Scanner Interface
+65	Uniwell Scanner interface
	<b>=Total</b>

<b>PRICELV:Price Level Schedule *</b>	
HRS	<b>PLV default and days</b>
<b>99</b>	<b>DISABLE</b>
+0-23	Set Price Level 1
+0-23	Set Price Level 2
+0-23	Set Price Level 3
+0-23	Set Price Level 4
+0-23	Set Price Level 5
+0-23	Set Price Level 6
+0-23	Set Price Level 7
+0-23	Set Price Level 8
	<b>=Total</b>

<b>EVNT SC.: Event Schedule *</b>	
HRS	
<b>99</b>	<b>DISABLE</b>
00-23	Close
00-23	Open
00-23	Print X2 Report
00-23	Print Z2 Report
00-23	Reboot Station
	<b>=Total</b>

## Price level schedule

Once you have activated this option the schedule will come up on the LCD



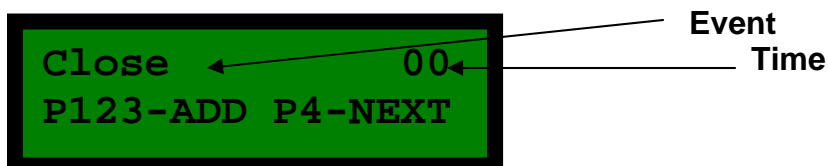
**DEF** is price level schedule by default for all days of the week. The price levels are applied in reverse order from 8-1. So price level 1 has precedence over 2 and over 3 and so on. A specific day has precedence over default. Each price level can only be used once a day.

Enter time activation of price level (00-23 or 99 to cancel) using **P2/P3** on the faceplate or the numeric keys on a keyboard (0-9). Then record your changes using **P4** on the faceplate or ENTER on the keyboard.

**Never leave an option you don't intend to use at 000. Because the unit wills concenter this to be midnight to deactivate enters 99.**

## Event schedule

When this option is activated the event schedule the LCD will show



Enter hour (00-23 or 99 to deactivate) using **P2/P3** on the faceplate or the numeric keys on a keyboard (0-9).

**Never leave an option you don't intend to use at 00. Because the unit wills concenter this to be midnight to deactivate enters 99.**

### P3 –Conf. Spout

```
P2-Set Options
P3-Config.Spout
```

Press **P3** to choose which spout you want to configure then use **P1/P2/P3** to setup

```
SPT #      -    01 ← Spout #
P123-ADD  P4-NEXT
```

Press **P4** to change portion being programmed.

```
PORTION1-   100 ← Portion quantity 1
P123-ADD  P4-NEXT
```

**\*\*100=1 Oz IMP if the interval option is set to 90. \*\***

Press **P4** to change portion being programmed.

```
PORTION2-   050 ← Portion quantity 2
P123-ADD  P4-NEXT
```

Press **P4** to change portion being programmed.

```
PORTION3-   033 ← Portion quantity 3
P123-ADD  P4-NEXT
```

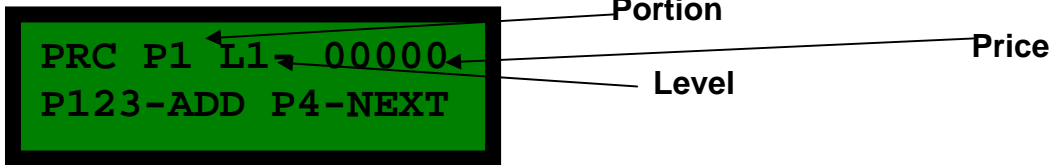
Press **P4** to change portion being programmed.

```
PORTION4-   025 ← Portion quantity 4
P123-ADD  P4-NEXT
```

When completed press **P4** to go to the next spout.

### When price levels are activated

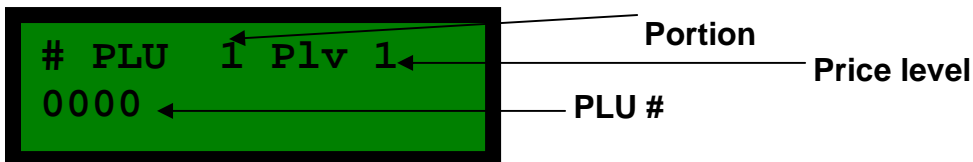
The following display will come up.



Now enter the desired price using the **P1/P2/P3** buttons. Then **P4** for next.

### Setting custom PLU'S

The automatic PLU setup is 3 digits for the **747 CONTROL XYX** (spout# **Y** / portion# **XX**) and 4 digits for the **1547 CONTROL YXYX** (spout# **YY** / portion# **XX**)



But the unit can accept any number to modify use the **P1/P2/P3** to enter the desired number then **P4** for next.

## VIEW 3 PGM

### P2-Price Level

```
P2-Price Level
P3-Set Clock
```

Press **P2** to manually change price levels

```
Price Lv-      1
P123-ADD P4-NEXT
```

Price level #

Enter the desired price level **P3**

### P3-Set clock

```
P2-Price Level
P3-Set Clock
```

Press **P3** to set clock

```
Year   -      09
P123-ADD P4-NEXT
```

Enter year using **P2** and **P3**.Then **P4** for next.

```
Month  -      FEB
P123-ADD P4-NEXT
```

Enter month using **P3**.Then **P4** for next.

```
Date   -      10
P123-ADD P4-NEXT
```

Enter date using **P2** and **P3**.Then **P4** for next.

```
Day - SAT
P123-ADD P4-NEXT
```

Enter day using **P2** and **P3**.Then **P4** for next.

```
Hour - 12
P123-ADD P4-NEXT
```

Enter hour (24 HR clock) using **P3**.Then **P4** for next.

```
Minute - 49
P123-ADD P4-NEXT
```

Set minutes using **P2** and **P3**.Then **P4** for next.

```
Second - 21
P123-ADD P4-NEXT
```

Set seconds using **P2** and **P3**.Then **P4** for next.

## VIEW 4 PGM

This is strictly an information screen.

```
ID:0710 DB:01  
SERIAL#: 0005L2
```

Version #.

Serial # of unit.

Identification # of unit.

## SERVICE MODE

### To access this mode

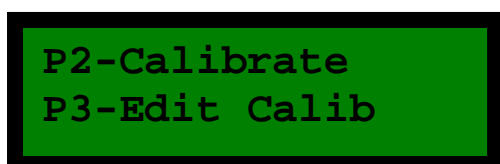
- 1- Power down the unit.
- 2- Turn key to **PGM**
- 3- Hold down **P1**
- 4- And power up the unit. The LCD on the faceplate will show ;

#### View 1



Press **P4**.

#### View 2



Press **P4**.

#### View 3




## VIEW 1 SERVICE MODE

### P2-Master Clear



P2-Master Clear  
P3-Copy Memory

Press **P2** for Master Clear



LOADING  
FACTORY DEFAULT

The unit is now reset to its original settings and the activator must be re-calibrated (see page 21)

### P3-Copy Memory

To copy memory from 1 unit to another, it is important to use different station #'s




P2-Master Clear  
P3-Copy Memory

Press **P3** for the Copy Memory



STATION - 002  
P123-ADD P4-NEXT

Press **P1/P2/P3** to obtain desired station # and press **P4** for copy.

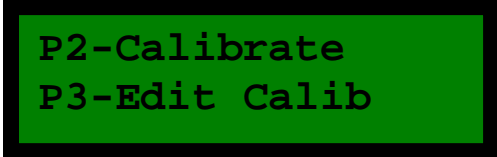


SEND MEMORY  
00F23584

Wait till send is complete. The screen will revert to the original screen display.  
(This may take a few minutes).

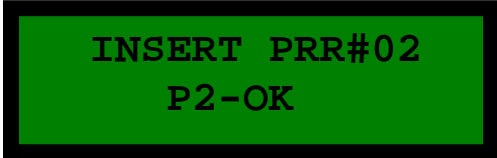
## VIEW 2 SERVICE MODE

### P2-Calibration



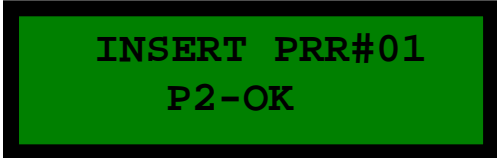
P2-Calibrate  
P3-Edit Calib

Press **P2** to calibrate the activator LCD will show.



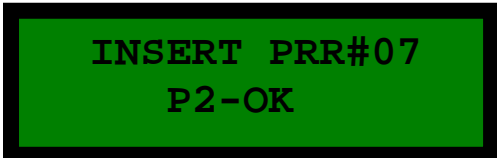
INSERT PRR#02  
P2-OK

Insert into activator ring spout #2 and press **P2** to confirm LCD will show.



INSERT PRR#01  
P2-OK

Insert into activator ring spout #1 and press **P2** to confirm LCD will show.

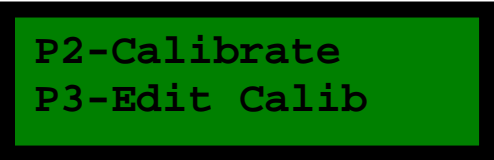


INSERT PRR#07  
P2-OK

Insert into activator ring spout #7 and press **P2** to confirm .The calibration is now complete.

### P3-Edit Calib

This serves to manually calibrate an activator ring for factory use only.



P2-Calibrate  
P3-Edit Calib

## VIEW 3 SERVICE MODE

### P2-Print Configuration










P2-Print Config

Press P2









# SPOUT TYPE

SPOUT TYPE

LIQUOR TYPE

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

--	--

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

--	--

## Cable Configuration

SYSTEME CONTROL	PRINTER
<u>DB-9M</u>	<u>DB-25M</u>
DCD 1	0-1 ChGND
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

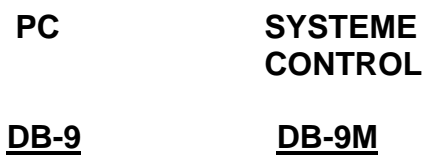
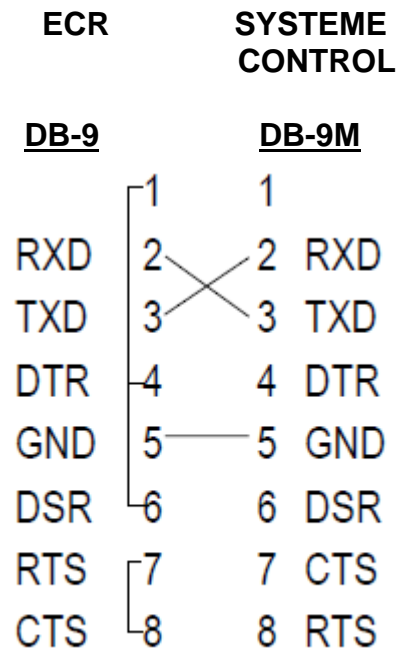
**Printer**



SYSTEME CONTROL	PRINTER
<u>DB-9M</u>	<u>RJ-45</u>
N.C. 1	1 +VCC
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



## INTERFACE ECR & PC



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

