

# **Boscop Inc.**

## **OPERATION & SET-UP MANUAL**

### **Model BC300 Dispenser/Revalue Station**



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## Table of Contents

<b>Table of Contents</b> .....	2
<b>Sales and Service</b> .....	5
<b>Functional Overview</b> .....	5
Power up: .....	5
Idle mode:.....	5
Command menu mode:.....	5
Value Load Mode .....	5
Dispensing mode .....	6
<b>Installation - Setup</b> .....	6
Mounting: .....	6
Power Requirements: .....	7
Bill Acceptor Settings: .....	7
Coin Acceptor Settings: .....	7
Card Dispenser: .....	7
Card Reader Cleaning: .....	7
<b>Optional Receipt Printer</b> .....	7
<b>Setup through Command Menu Mode</b> .....	8
Keypad Function .....	8
Initiating Command Menu Mode.....	8
Command Menu Summary: .....	8
<b>Menu 1 Terminal Setup</b> .....	9
Enable Alternate Language?.....	9
Set date: .....	9
Set time: .....	9
Set unit id.....	9
Enable Coins? .....	9
Enable Dispenser .....	9
Enable Event log.....	9
Set password .....	9
Enable Serial IOTP .....	9
Set Password.....	9
Enable Beeps.....	10
Auto End Session.....	10
<b>Menu 2 Serial Port 1 Setup</b> .....	10
Baud Rate:.....	10
Parity:.....	10
Num Data Bits: .....	10
<b>Menu 3 Serial Port 2 Setup</b> .....	10
Baud Rate:.....	10
Parity:.....	10
Num Data Bits: .....	10
<b>Menu 4 Network Setup</b> .....	11
Use DHCP for IP? .....	11
Terminal IP .....	11
Gateway IP.....	11
Net mask .....	11
Server IP .....	11
<b>Menu 5 Meters and Log Management</b> .....	11

Read Event Log .....	11
Read Backup Log.....	11
Read Meters .....	11
Clear Event log .....	12
Clear Meters.....	12
<b>Menu 6 Service</b> .....	12
Validator Status.....	12
Network Status.....	12
<b>Menu 7 Set Currency</b> .....	12
Accept \$1.00 .....	12
Accept \$5.00 .....	12
Accept \$10.00 .....	12
Accept \$20.00 .....	12
Accept \$50.00 .....	12
Accept \$100.00 .....	13
Amount Per Dollar.....	13
Units Per Dollar .....	13
<b>Menu 8 Set Coins</b> .....	13
Accept Canadian Coin.....	13
Accept USA Coins?.....	13
Accept .05? .....	13
Accept .10? .....	13
Accept .25? .....	13
Accept 1.00? .....	13
Accept 2.00? .....	13
<b>Menu 9 Reader Setup</b> .....	13
Reader Type.....	14
Max Card \$ .....	14
Max Card U .....	14
Card Format .....	14
Accept Card types.....	14
Explanation of STX and ROM .....	14
Card STX .....	15
Card ROM .....	15
Card Site 1 .....	15
Card Site 2 .....	15
Card Site 3 .....	15
Card Site 4.....	15
Card Site 5.....	15
Card Site 6.....	15
Card Site 7.....	15
Card Site 8.....	15
<b>Menu 10 Dispenser Setup</b> .....	15
Card Price .....	15
Max escrow.....	16
Value of Dispensed card .....	16
Value of Dispensed Card U.....	16
Dispenser Inventory.....	16
Dispenser Key.....	16
<b>Menu 11 Printer Setup</b> .....	16
Receipt Printer .....	16

Always Print Receipt .....	16
Receipt line 1 .....	17
Receipt line 2 .....	17
Receipt line 3 .....	17
<b>Menu 12 Bonus Setup .....</b>	<b>17</b>
Bonus A Deposit.....	17
Bonus A Value % .....	17
Bonus B Deposit .....	17
Bonus B Value %.....	17
Bonus C Deposit .....	17
Bonus C Value %.....	17
<b>Menu 13 Diagnostics.....</b>	<b>17</b>
<b>Meters Report.....</b>	<b>17-18</b>
<b>Maintenance.....</b>	<b>18</b>
Card Reader Maintenance.....	18
Bill Acceptor Maintenance .....	18
Coin Acceptor Maintenance .....	18
General Maintenance .....	18
<b>Bill Acceptor Information.....</b>	<b>19-21</b>
<b>Coin Acceptor Information .....</b>	<b>22</b>
Coin Acceptor Cleaning .....	22
<b>Card Dispenser Information .....</b>	<b>22</b>
<b>Receipt Printer Information.....</b>	<b>23</b>
<b>FREQUENTLY ASKED QUESTIONS .....</b>	<b>24</b>
<b>BC300 Dispenser\Revalue Station Installation Data .....</b>	<b>25</b>
<b>WARRANTY AND LIABILITY CONTRACT.....</b>	<b>26</b>

## Sales and Service

At **Boscop Inc.**, complete customer satisfaction is our number one goal. If you require technical assistance advice or parts, please contact **Boscop Inc. at 603-744-2188** and ask for the Service Department.

### **COMMITTED TO CUSTOMER SATISFACTION**

## Functional Overview

### Power up

The card reader and bill validator are always required for normal operation, and are checked for normal communications at time of power up. Other installed peripherals are also checked if they are enabled through the command menus. The system will be 'Out of Order' if key peripherals are not responding properly. The system will display status messages during power up to indicate the firmware version and the progress of the above tests. The system has four modes of operation: Idle mode, Command menu mode, Value Load mode, and if a dispenser is enabled Dispensing mode.

### Idle Mode

This is the normal mode of operation after power up.

This mode waits for keypad entry or card insertion.

**To Update Card Balance:** Insert Card, then deposit money

If the dispenser is enabled, this message alternates with:

**To Purchase a Card:** Press A then  
Deposit \$x.xx where x.xx is the card price

### Command Menu Mode

Command menu mode is initiated from idle mode by pressing **CLEAR, D,9, 5, 1, ENTER** on the keypad. Enter the command menu mode password followed by **ENTER**. (The default command mode password is 1080). Command menus are detailed in the Section "Setup through Command menu mode".

### Value Load Mode

If a card is inserted into the reader while the system is in Idle mode, the Value Load mode is initiated.

**Card Value: \$xx.xx**

**To Add Value:**

**Insert Bill or Coin**

Coin will not be displayed if the coin acceptor is not enabled.

\$1,\$5,\$10,\$20 this will vary depending on which bills are enabled.

The display alternates every 2 seconds with:

**To Remove Card:** Press D

When a bill or coin is inserted, it is checked for both validity and value to ensure that the card will not exceed the maxcard setting. The following message is displayed for 2 seconds:

**Accepted \$x**

A transaction is logged for each bill and coin inserted and when the card is written at the end of the session. The value is added to the card value, including any applicable bonus,. The system returns to the

**Card Value: \$xx.xx** ... message indicating the new value and awaiting further activity

If the card is a units card, the bill value goes through the 'units per dollar' conversion before adding to the card. At any point the D key can be pressed to end the transaction which will cause the system to write the new value to the card and release it back to the customer

**Ending Session**  
**Card Value xxx.xx**  
**Accepted \$x**

If a receipt printer is installed and enabled a receipt will be printed.

### **Dispensing Mode**

Pressing the A key while in Idle mode initiates Dispensing mode.

**To Purchase Card:            Please Deposit \$xx.xx where xx.xx is the card price**

The Dispensing mode is cancelled after 2 minutes if money is not inserted, or by pressing the **CLEAR** key. Depositing a value less than the price of the card will update the display indicating the remaining value required to purchase a card. When a value equal to or more than the price of a card is deposited a card will be dispensed and the following message will be displayed:

**Please Remove Card**

A transaction is logged for each bill and coin inserted and the card dispensed. If a value greater than the card price was deposited the systems will wait for the newly dispensed card to be inserted into the reader so that the amount leftover "In Escrow" can be added to the card:

**Please Insert Card**  
**Value Remaining:            \$ XX.XX**

If the card dispensed is inserted within 1 minute the value will be added to it. If the card is not inserted the value will be stored in the transaction and meters log as "Value Not Issued". If the Receipt printer is enabled a receipt for the card dispense is printed.

### **Installation - Setup**

Thank you for purchasing the **Model BC30** Dispenser\Revalue Station. With the Dispenser\Revalue Station, your customers can purchase cards and add value to their cards on a self-serve basis. In order to use your Dispenser\Revalue Station, a few simple installation steps are required.

### **Mounting**

The Dispenser\Revalue Station is small and light enough to be mounted directly onto a solid wall (concrete block, wood, etc.). A pedestal is available making installation easier and more secure. Mounting the BC300 Plus on drywall is not recommended without the pedestal. There are 4 holes in the back of the case which will facilitate required mounting hardware. The BC300 may also be mounted on a counter but it is recommended that it be securely attached in order to avoid the possibility of tipping and for security reasons. For convenience, the AC supply cord may be routed out the rear of the unit instead of the side for mounting in a "bank" of vending machines.

**WARNING - Failure to securely mount the 1080 Dispenser\Revalue Station can result in injury or death due to tipping.**

### **Power Requirements**

The Dispenser\Revalue Station is equipped with a 6 foot power cable and a plug. The use of long extension cords and plugging into the same circuit as other heavy equipment (vending machines, photocopiers, etc.) is not recommended. These situations can introduce "noise" and voltage drops which may cause intermittent operational problems with the Dispenser\Revalue Station.

**WARNING – Failure to properly connect the power plug into an approved, grounded outlet can result in injury or death**

The 1080 utilizes a universal input power supply capable of operating from 120 to 240 VAC at 50-60 Hz. There are no modifications that need to be made when changing voltages except to replace the line cord for the appropriate connection to the Mains. The power cord connection incorporates a standard IEC 60320 outlet with an integrated switch and fuse holder.

**WARNING - The fuse MUST BE REPLACED WITH A 250 Volt 2.5Amp SLO-BLO. Type 3AG ONLY. Use of any other fuse could cause fire, injury or death or cause the unit to malfunction.**

There are no user serviceable parts within the power supply and modifications should not be attempted. Attempting to repair, modify or adjust the power supply component could result in injury or death.

### **Bill Acceptor Settings**

The bill acceptor is set up for normal use when you receive the Dispenser\Revalue Station. The bills accepted can be individually enabled or disabled in the Command menu "Set Currency". Refer to the bill acceptor documentation for details on other options.

### **Coin Acceptor Settings**

The coin acceptor (if equipped) in the Dispenser\Revalue Station has the ability to accept US .05, .10 & .25 coins and CAN .05, .10 .25, 1.00 & 2.00 coins. The coins can be individually enabled or disabled in the Command menu "Set Coins".

### **Card Dispenser**

Remove any packaging material from the card dispenser. Fill the dispenser with cards (orientation is not important but customers usually like to see the card dispensed "Faceup"). Place the "I" shaped weight on top of the stack of cards. If the cards were loaded properly and the card dispenser is enabled in the Command menu, in Idle mode the 1080 will allow the A button to select the card purchase option. If the cards are installed incorrectly the message "Sorry temporarily unable to dispense cards" will be displayed. Refer to the Card Dispenser documentation for further details.

### **Card Reader Cleaning**

Over time, the magnetic read/write head and drive rollers in the Card Reader will accumulate with dirt. Regular cleaning of these components can save down time and prolong their life. Use cleaning cards to clean the reader every month, depending on the environment and volume of use.

### **Optional Receipt Printer**

Load Thermal paper as indicated on the printer label. The paper is loaded with the thermal sensitive “shiny side” down. Ensure that the paper feed mechanism is in the locked position (as shown below) or the printing will be very faint and the paper will not feed properly. Paper can be fed by pressing the Feed button. The report button generates an internal printer report that is not useful to the 1080 user. The **LED** indicator on the front of the printer indicates the following conditions:

On	Power On No Faults	Off	No Power
Flashing (Long on)	Out of Paper	Flashing (Long off)	Paper Jam

**WARNING:**

- Do not print without paper
- Do not drag the carriage manually while printer is on
- Do not allow Foreign bodies to become trapped inside the printer
- Safeguard all parts of the printer from contact with foreign objects.

**Setup Through Command Menu Mode**

Before using the **BC300 Dispenser\Revalue Station** it must be set up according to the customer’s site and operational requirements. The command menus follow a common structure throughout the setup.

**Keypad Function**

- A** Changes the current selection “**up**” one level; used to move through menus and select options or settings. Also used for Alpha Entries, press for CAPITALIZED characters, press again to advance alpha character until desired character is displayed then press **ENTER**.
- B** Changes the current selection “**down**” one level; used to move through menus and select options or settings. Also used for Alpha Entries, press for lower-case characters, press again to advance alpha character until desired character is displayed then press **ENTER**.
- ENTER** Selects the current selection or option, used to move through menus and to save options or settings to memory
- CLEAR** Clears the current value or steps back one-menu item, used to move through menus and to clear values when setting options or settings.
- 0 9** Used for Numerical Entry, press the appropriate key for desired digit.
- C** Used for Alpha Entries; press for “**Back-Space**”.
- D** Used for Punctuation Entries, press for “**Punctuation**” characters, press again to advance character until the desired character is displayed then press **ENTER**.

**Initiating Command Menu Mode**

Command Menu Mode is initiated by pressing **CLEAR, D, 9, 5, 1, ENTER** on the external keypad while the Dispenser\Revalue Station is in idle mode. At the Password: Prompt enter the command mode password followed by **ENTER** (The default command mode password is 1080). In Command menu mode there are 13 “**Command Menus**” available. The First menu is

**Terminal Setup.** Pressing the **ENTER** key will allow access to the settings for the Command Menu selected. Pressing A or B will advance to the previous or next Command Menu prompt. While a prompt is displayed, pressing **CLEAR** will back out one level.

### Command Menu Summary

- Menu 1 **Terminal Setup** – Allows date, time and active peripherals to be Set.
- Menu 2 **Serial Port 1 Setup** – Allows setting of communication parameters for serial port 1
- Menu 3 **Serial Port 2 Setup** – Allows setting of communication parameters for serial port 2
- Menu 4 **Network Setup** – Allows network addresses for the Loader and the Server to be set
- Menu 5 **Meters and Log Management** – Allows meters and logs to be displayed or transmitted via the serial port
- Menu 6 **Service Mode** – Reports error conditions present in the peripherals.
- Menu 7 **Set Currency** – Allows enabling and disabling of bills by denomination.
- Menu 8 **Set Coins** – Allows enabling and disabling of coins by denomination.
- Menu 9 **Reader Setup** – Sets reader type and site codes.
- Menu 10 **Dispenser Setup** – Enables the dispenser and sets card pricing.
- Menu 11 **Printer Settings** – Enables the receipt printer and allows for programming of the receipt header
- Menu 12 **Bonus Setup** - Allows bonus's to be set for value added to the card.
- Menu 13 **Diagnostics** - Factory Use Only.

### Menu 1 Terminal Setup

While in the Command Menu “**Terminal Setup**”, the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

#### Enable Alternate Language?

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to Enable or Disable the alternate language (French) user messages.

**Set date** Enter the current date, via the keypad, in the format: **DD MM YY** . Press **ENTER**.

**Set time** Enter the current Time, via the keypad, in the format: **HH MM SS**. Press **ENTER**.

**Set unit id** Enter the Unit ID number, via the keypad, in the format: **####**. Press **ENTER**.

#### Enable Coins?

Select **YES** or **NO** Via the **A** or **B** key, followed by **ENTER** to Enable or Disable the coin acceptor.

#### Enable Dispenser

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to Enable or Disable the card dispenser.

#### Enable Event log

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to Enable or Disable the Transaction Log

#### Enable Serial IOTP

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to Enable or Disable the Serial output for the touch screen Display (if Equipped)

### **Set password**

Enter a new Command Mode Password, via the keypad, in the format: **####**, press **ENTER**

### **Enable Beeps**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to Enable or Disable the confirmation “Beep” produced when a key is pressed on the keypad.

### **Auto End Session**

Time in seconds to automatically end session and return card if no activity occurs. (i.e. no money deposited)

**WARNING:** Once the Command Mode Password is changed, the Previous or Default password will no longer function.

## **Menu 2      Serial Port 1 Setup**

While in the Command Menu “**Serial Port 1 Setup**”, the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

Note the Default settings are shown in ***BOLD ITALICS***

### **Baud Rate**

Select the desired Baud rate for Serial Port 1; ***9600***, 14440, or 1200 with the **A** or **B** keys followed by **ENTER**.

### **Parity**

Select the desired parity setting for Serial Port 1; ***None***, Even, or Odd with the **A** or **B** keys followed by **ENTER**.

### **Num Data Bits**

Select the desired number of Data Bits for Serial Port 1; ***8***, or 7 with the **A** or **B** keys followed by **ENTER**

## **Menu 3      Serial Port 2 Setup**

While in the Command Menu , the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

Note the Default settings are shown in ***BOLD ITALICS***

### **Baud Rate**

Select the desired Baud rate for Serial Port 2; ***9600***, 14440, or 1200 with the **A** or **B** keys followed by **ENTER**

### **Parity**

Select the desired parity setting for Serial Port 2; ***None***, Even, or Odd with the **A** or **B** keys followed by **ENTER**

## **Num Data Bits**

Select the desired number of Data Bits for Serial Port 2; **8**, or 7 with the **A** or **B** keys followed by **ENTER**

## **Menu 4 Network Setup**

While in the Command Menu “**Network Setup**” the following options are accessed by using the **A** and **B** keys to scroll to the item, then the **ENT** key to select that item.

### **Use DHCP for IP?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to use DHCP. Setting DHCP to **yes** inactivates the next 3 settings.

### **Terminal IP**

Enter the Terminal IP Address (address of this device) via the keypad, in the format:  
**### . ### . ### . ### . ENTER** The . (decimal) is entered with the **D** key.

### **Gateway IP**

Enter the Gateway IP Address via the keypad, in the format:  
**### . ### . ### . ### . ENTER** The . (decimal) is entered with the **D** key.

### **Netmask**

Enter the Netmask Address via the keypad, in the format:  
**### . ### . ### . ### . ENTER** The . (decimal) is entered with the **D** key.

### **Server IP**

Enter the Server IP Address via the keypad, in the format:  
**### . ### . ### . ### . ENTER** The . (decimal) is entered with the **D** key.

This is the server to send commands to

## **Menu 5 Meters And Log Management**

While in the Command Menu “**Meters and Log Management**” the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item. Any report viewed on the LCD display is advanced to the next page by pressing the **ENTER** key

### **Read Event Log**

Pressing the **ENTER** key will allow the detailed event log to be displayed or output Via Com 1. Press **1** to view the log or press **0** to send it out Com 1 which can be attached to a PC to capture the log.

### **Read Backup Log**

Pressing the **ENTER** key will allow the backup event log to be displayed or output Via Com 1. Press **1** to view the log or press **0** to send it out Com 1 which can be attached to a PC to capture the log.

### **Read Meters**

Pressing the **ENTER** key will allow the meters log to be displayed or output Via Com 1. Press **1** to view the log or press **0** to send it out Com 1 which can be attached to a PC to capture the log. If a receipt printer is installed in the 1080 the report will be printed there.

### **Clear Event log**

Pressing the **ENTER** key will select **Yes**; Clear the Event Log.  
Pressing the **CLEAR** key will select **No**; Don't Clear the Event Log.

### **Clear Meters**

Pressing the **ENTER** key will select **Yes**; Clear the Meters.  
Pressing the **CLEAR** key will select **No**; Don't Clear the Meters.

### **Menu 6      Service**

While in the Command Menu "Service" the following options are accessed by using the **A** and **B** keys to scroll to the item, then the **ENTER** key to select that item.

### **Validator Status**

Pressing the **ENTER** key will display the current Bill Validator status. The Status codes are:

- Normal Bill Validator is working correctly.
- Not responding. Bill Validator is not responding (check cable or power).
- Stacker full. Remove the money from the Validator.
- Cassette out of position. Reinstall the bill cassette or vault.
- Jammed remove all bills and reinstall cassette or vault.
- Motor or cassette failure. Remove the Bill Validator and have it serviced.

### **Network Status**

Press **ENTER** key to scroll through the settings.

### **Menu 7      Set Currency**

While in the Command Menu "**Set Currency**" the following options are accessed by using the **A** and **B** keys to scroll to the item, press **ENTER** key to select that item.

#### **Accept \$1.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$1.00 Bills

#### **Accept \$5.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$5.00 Bills

#### **Accept \$10.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$10.00 Bills

**Accept \$20.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$20.00 Bills

**Accept \$50.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$50.00 Bills

**Accept \$100.00**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$100.00 Bills

NOTE: The above denominations may not be applicable to the bills accepted by the Bill Validator. The denominations accepted by the validator is dependant on the market and model installed.

**Amount Per Dollar**

Enter the Dollar amount to add to Cash cards per dollar accepted via the keypad, in the format:

**\$.## ENTER**

**Units Per Dollar**

Enter the number of units to add per dollar accepted via the keypad, in the format:

**### ENTER**

Note: Units cards do not apply to all card formats or sites.

**Menu 8      Set Coins**

While in the Command Menu "Set Coins" the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

**Accept Canadian Coin**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of Canadian Coins

**Accept USA Coins?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of USA Coins.

**Accept .05?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of .05 Coins.

**Accept .10?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of .10 Coins.

**Accept .25?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of .25 Coins.

**Accept 1.00?**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$1.00 Coins.

### Accept 2.00?

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable acceptance of \$2.00 Coins.

### Menu 9 Reader Setup

While in the Command Menu "**Reader Setup**" the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

#### Reader Type

Select Smart or Magnetic Card type Via the **A** or **B** key followed by **ENTER** to match the card reader installed

#### Max Card \$

Enter the desired maximum Cash card value to allow, via the keypad, in the format:

\$ ###.## **ENTER** Range: \$0.00 - \$999.99

#### Max Card U

Enter the desired maximum Units card value to allow, via the keypad, in the format:

##### **ENTER** Range: 000000 – 9999.

Note: Units cards do not apply to all card types, formats or sites.

**THE FOLLOWING SETTINGS ONLY APPLY TO DEVICES WITH A MAGNETIC CARD READER INSTALLED.** Smart card readers will ignore these settings.

#### Card Format

Select **ITC/ACT**, **ICS/XCP**, or **DANYL** Card Format Via the **A** key followed by **ENTER** to match the card reader installed

#### Accept Card types

Select **CASH ONLY**, **UNITS ONLY** or **CASH AND UNITS** Via the **A** key followed by **ENTER** to select acceptance of the desired cards.

#### Explanation of STX and ROM

A two nibble (four bit) code forms part of the overall facility code. This has typically been referred to as the "**ROM**" code for the site. The first nibble of this "**ROM**" code has typically been referred to as the start (first nibble, **STX**).

Each nibble of the two nibble "**ROM**" code can have a value from "0" to "F" in hexadecimal notation, which is "0" to "15" in decimal notation. The values set in the Model 1080 must be in decimal notation.

I.E. "**ROM**" Code of "B9". The **STX** nibble is "B" (11) and the **ROM** nibble is "9" (9). See table below:

Specified STX or ROM (Hex)	Decimal Number to Enter
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

8	8
9	9
A	10
B	11
C	12
D	13
E	14
F	15

**Card STX**

Enter the appropriate **STX** (in Decimal) for the cards, via the keypad, in the format:  
**### ENTER**

**Card ROM**

Enter the appropriate **ROM** (in Decimal) for the cards, via the keypad, in the format:  
**## ENTER**

The **MODEL 1080** allows acceptance of up to 8 different site codes as long as all the cards have the same **STX** and **ROM**. These Site Codes are set below. Unused site Codes should be set to 4095.

**DO NOT SET 2 SITE CODES TO THE SAME VALUE OTHER THAN 4095.**

**Card Site 1**

Enter the appropriate Site code 1 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 2**

Enter the appropriate Site code 2 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 3**

Enter the appropriate Site code 3 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 4**

Enter the appropriate Site code 4 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 5**

Enter the appropriate Site code 5 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 6**

Enter the appropriate Site code 6 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 7**

Enter the appropriate Site code 7 for the cards, via the keypad, in the format:  
**##### ENTER**

**Card Site 8**

Enter the appropriate Site code 8 for the cards, via the keypad, in the format:  
**##### ENTER**

## **Menu 10 Dispenser Setup**

While in the Command Menu “**Dispenser Setup**” the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

### **Card Price**

Enter the required value to dispense a card, via the keypad, in the format:

**\$ ###.## ENTER** Range: \$0.00 - \$655.34

### **Max Escrow**

Enter the desired maximum value to dispense a card with (any value left over will be added to the card when it is inserted into the reader), via the keypad, in the format:

**\$ ###.## ENTER** Range: \$0.00 - \$655.34

### **Value Of Dispensed Card**

Enter the **CASH** value that is encoded on the dispensed cards, via the keypad, in the format:

**\$ ###.## ENTER** Range: \$0.00 - \$655.34

### **Value of Dispensed Card U**

Enter the **UNITS** value that is encoded in the dispenser, via the keypad, in the format:

**U ##### ENTER** Range: 000 - 65534

### **Dispenser Inventory**

Enter the number of cards in the dispenser, via the keypad, in the format:

**### ENTER** Range 0-255

### **Dispense Key**

Select **A** or **A** via the **A** key followed by **ENTER** to set the key that should be pressed to dispense a card

## **Menu 11 Printer Setup**

While in the Command Menu “**Printer Setup**” the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

### **Receipt Printer**

Select **YES** or **NO** Via the **A** or **B** key followed by **ENTER** to enable or disable the receipt printer.

### **Always Print Receipt**

Select **YES** Via the **A** key followed by **ENTER** to always print the receipt or

Select **NO** Via the **A** key followed by **ENTER** to prompt the customer to request a receipt.

Use the Keypad as described below for the following options:

- A** Used for Alpha Entries; press for CAPITALIZED characters, press again to advance alpha character until desired character is displayed then press **ENTER**.
- B** Used for Alpha Entries; press for lower-case characters, press again to advance alpha character until desired character is displayed then press **ENTER**.
- D** Used for Punctuation Entries; press for “Punctuation” characters, press again to advance character until the desired character is displayed then press **ENTER**.

- ENTER** Use to accept the current Alpha Entry and advance the cursor. Press **ENTER** while the cursor position is blank to indicate entry of line is complete and return to the **Printer Setup** menu.
- 0-9** Use for Numerical Entry; press the appropriate key for desired digit. The cursor will automatically advance 1 position after numerical entries
- C** Used to delete previous character; press for “Back-Space”.
- CLEAR** Clears the entire current entry.

### Receipt line 1

Using the keypad as described above, enter the desired message for the first line of the receipt.

### Receipt line 2

Using the keypad as described above, enter the desired message for the second line of the receipt.

### Receipt line 3

Using the keypad as described above, enter the desired message for the third line of the receipt.

## Menu 12 Bonus Setup

The Bonus function can be used to encourage patrons to add larger values to the cash card by offering a “bonus” percentage on monies added to the card. There are 3 levels of bonus available based upon the value of money being added. **NOTE:** The bonus is determined by the value added to the card during the session, **NOT** the balance on the card. While in the Command Menu “**Bonus Setup**”, the following options are accessed by using the **A** and **B** keys to scroll to the item, press the **ENTER** key to select that item.

### **Bonus A Deposit**

Enter the minimum deposit value to activate bonus level 1, via the keypad, in the format:

\$ ###.## **ENTER** Range 0.00 – 255.00

### **Bonus A Value %**

Enter the value in percent to apply to bonus level 1, via the keypad, in the format:

### **ENTER** Range 000 – 100.

### **Bonus B Deposit**

Enter the minimum deposit value to activate bonus level 2, via the keypad, in the format:

\$ ###.## **ENTER** Range 0.00 – 255.00

### **Bonus B Value %**

Enter the value in percent to apply to bonus level 2, via the keypad, in the format:

### **ENTER** Range 000 – 100.

### **Bonus C Deposit**

Enter the minimum deposit value to activate bonus level 3, via the keypad, in the format:

\$ ###.## **ENTER** Range 0.00 – 255.00

### **Bonus C Value %**

Enter the value in percent to apply to bonus level 3, via the keypad, in the format:

### **ENTER** Range 000 – 100.

### **Menu 13   Diagnostics**

The Diagnostics routine was developed for production and Q-A use and is password protected to prevent accidental initiation. The Diagnostics routine is not available to the end user.

#### **Meters Report**

Initiating the Read Meters routine in the Meters and log management command menu will generate the following report:

Meters Report For	Value Added To \$
Unit #1	Cards \$ 5.00
	Value Added To U
	Cards 0
	Value Not Issued
01/03/2004	\$2.00
10:54:13	Not Issued Database
	01/03/02 08:58:50 \$1.00
	01/03/02 09:02:30 \$1.00
Num Bills Stacked	Bonus Added To \$
1	Cards \$ 14.83
Value Of Bills Stacked	Bonus Added To U
\$5.00	Cards 31
Bills Accepted	
\$1: 1	Grand Total Value
\$5: 0	Bills \$482.00
\$10: 0	Grand Total Value
\$20: 0	Coins \$16.60
\$50: 0	Grand Total Num
\$100: 0	Cards Dispensed 12
Value Of Coins	Grand Total Value
\$7.00	Not Issued \$7.90
Num Cards Dispensed	Grand Total Num
5	Meters Clears 2

End Of Report

### **Maintenance**

#### **Card Reader Maintenance**

The Card Reader in the Model 1080 is our universal Serial Insert Reader and is cared for in the same way as any other Card Reader. The head and rollers should be kept clean with cleaning cards. Any dirt or loose bits of paper impeding the sensors should be blown out with canned air. Severe card jams can be removed by manually by manipulating the gears and rollers. Press up on the roller at the bottom of the reader and turn both it and the gears back and forth until the card comes clear. Sometimes it is necessary to push a small screwdriver blade up into the card near the hole for the head and rollers to release a severely bent card.

#### **Bill Acceptor Maintenance**

The bill acceptors used in the Model 1080 series have proven to be dependable units. Occasional servicing may be necessary. Please refer to the appropriate Bill Acceptor Operation and Service Manual contained later in this document.

## Coin Acceptor Maintenance

The SR3 acceptors used in the Model 1080 series have proven to be dependable units. Occasional servicing may be necessary. Please refer to the appropriate SR3 Coin Acceptor Operation and Service Manual contained later in this document.

## General Maintenance

The lock shaft should be kept lubricated with Lithium grease to ensure easy opening and closing. The outer metal can be cleaned with a mild household cleaner such as window cleaner. The use of cleaners with abrasives is not recommended as they could scratch the housing. The Plastic LCD display cover should be cleaned with a soft rag moistened with water or isopropyl alcohol. Check the condition of the power supply cable and replace immediately if any damage is observed.

## Bill Acceptor Information

The BillPro Series Bill Acceptor is the result of extensive research and development in computerized crediting systems. These greatly simplified units provide many important features never before available in any bill acceptor. The BillPro Series Bill Acceptor extends the capability of the vending machine to generate maximum performance.

Here is some general information on installing, operating and maintaining the bill acceptor. Some of the units many outstanding features include:

- Modular design with new routines and validation techniques that simply future upgrades and expansion
- Improved bill rejection/anti-jam software
- Single harness with quick disconnects for ease of service
- Plastic PCB's (Printed Circuit Board) enclosure assures protection from water damage
- MDB (Multi-Drop Bus) interface only
- New "Flex Stacker" maximizes bill capacity
- BP2 accepts old and new \$1 and \$5's; BP4 accepts old and new \$1, \$5, \$10 and \$20's; coupon capabilities are also available for both models
- Improved anti-cheat features
- Compact design proves easy machine installation
- New configuration features eliminates the dipswitch

## Installation And Operation

1. Remove the vending machines power.
2. Install the bill acceptor into the mounting hole of the vending machine using the appropriate hardware (Not Included)
3. Connect the interface harness to the vending machine

**NOTE: Should additional mounting hardware be required, please contact you local office or machine manufacturer.**

4. Restore power to the vending machine (Illuminated inlet will begin to flash and stacker motor will cycle upon power-up).
5. Observe that the power indicator light on the back of the lower housing is **ON** continuously. If the light is off or blinking, check the following:

- Power to machine
  - Machine disabling unit
  - Bill acceptor harness
  - Machine does not have credit already established
6. With the vend price set below one dollar, insert a one dollar bill.
  7. Verify that a dollar bill is accepted and stacked into the bill box
  8. Verify a one dollar credit has been established
  9. Check the bill box to see that the one dollar bill is properly stored.

### **About The Configuring Options**

The eight different configuration option and the order in which they are stored in the bill acceptor are as follows:

- \$1 accepted with high security disable
- \$1, \$5 accepted with high security disable
- \$1, \$5, \$10 accepted with high security disable\*
- \$1, \$5, \$10, \$20 accepted with high security disable\*
- \$1 accepted with high security enable
- \$1, \$5 accepted with high security enable
- \$1, \$5, \$10 accepted with high security enable\*
- \$1, \$5, \$10, \$20 accepted with high security enable\*

Configuring the bill acceptor for bill enabling and security is accomplished using the anti-cheat lever and the illuminated inlet. The anti-cheat lever is used to enter configuration programming mode, scroll through all possible configuration options and select the required configuration. The illuminated inlet provides feedback to the user during the configuration process by displaying a pattern that corresponds to each configuration option available.

***\*Options available for BP4 only.***

### **Setting The Configuring Options**

- Remove the lower housing (See Figure 1)
- Depress and release the anti-cheat lever five times, holding it down for a half a second each time
- Once in the configuration mode, depress and release the anti-cheat lever on time to scroll to the next configuration mode (approximately 3 seconds). The new configuration setting will flash 3 times to confirm the setting
- Replace the lower housing
- Test unit to insure proper set-up

## Removing Accepted Bills

- Accepted bills may be removed by releasing the bill box lid exposing the bills or by removing the bill box from the bill acceptor (See Figure 2)

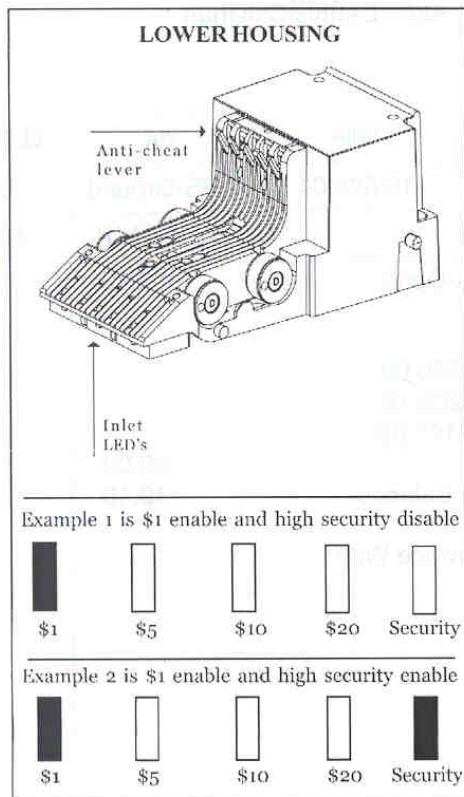


Figure 1

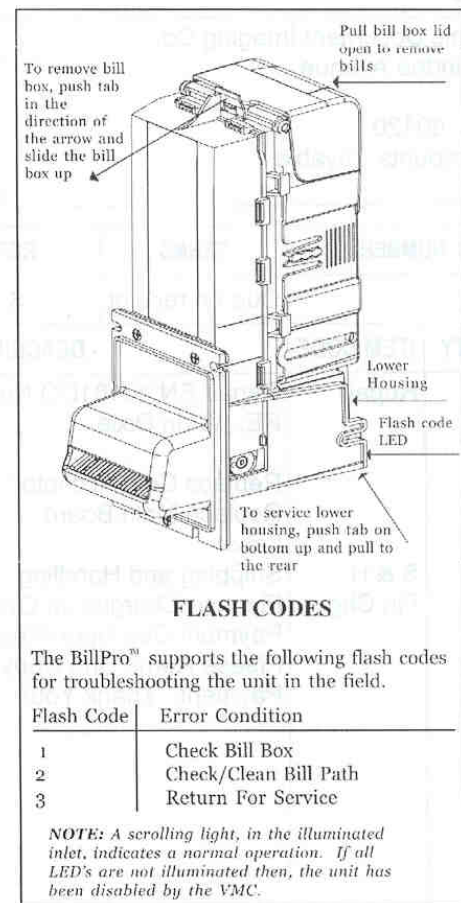


Figure 2

## Clearing Jams & Cleaning (See Figure 2)

- Dirt or debris can result in poor bill acceptor or bill rejection
- Remove the bill box and lower housing to access the bill path for dirt or debris
- Clean the bill path plastic parts and belts with a cloth moistened with a mild soap and warm water solution
- Clean the magnetic head using isopropyl alcohol

**\*DO NOT use any petroleum based cleaning solvents, scouring pads or stiff brushes for cleaning. The bill acceptor requires no lubrication at any time.**

**Coin Acceptor Information**

The Coin Acceptor supplied with this Model BC300 is the Model SR3. The SR3 includes a serial interface and is custom configured. The SR3 is programmed at the factory to accept the coins as described in the table below:

SR3 Channel	Coin Description
Channel 1	USA .05
Channel 2	CAN .05 Old Style
Channel 3	CAN .05 New Style
Channel 4	USA .10
Channel 5	CAN .10 Old Style
Channel 6	CAN .10 New Style
Channel 7	USA .25
Channel 8	CAN .25 Old Style
Channel 9	CAN .25 New Style
Channel 10	CAN 1.00
Channel 11	CAN 2.00
Channel 12	Unused

**Coin Acceptor Cleaning**

The coin rundown area should be cleaned regularly to ensure accurate discrimination of coins and maintain good coin acceptance. Only a cloth dampened with water should be used.

**UNDER NO CIRCUMSTANCE SHOULD ANY SOLVENT OR CLEANER BE USED**

Access to the rundown area is gained by opening the reject gate on the left side (from the back) of the coin acceptor.

**Card Dispenser Information**

**Dip Switch Setting  
CD-9603 Control Board**

Number Of Re-Tries	Switch Numbers	
	1	2
1	~	~
2	ON	~
4	~	ON
• 8	ON	ON

- **Factory setting units on utilizing the CD-9603**

## Receipt Printer Information

Infinite Peripherals TG58

Print resolution 200 dpi (8 dot/mm)

Interface Serial RS232, TTL

Print current 1.5 A

Operating temperature 0 - 50 deg C

Paper roll size 58 mm

Print speed 42 mm/sec

Power supply Single, range from 9 to 13 VDC

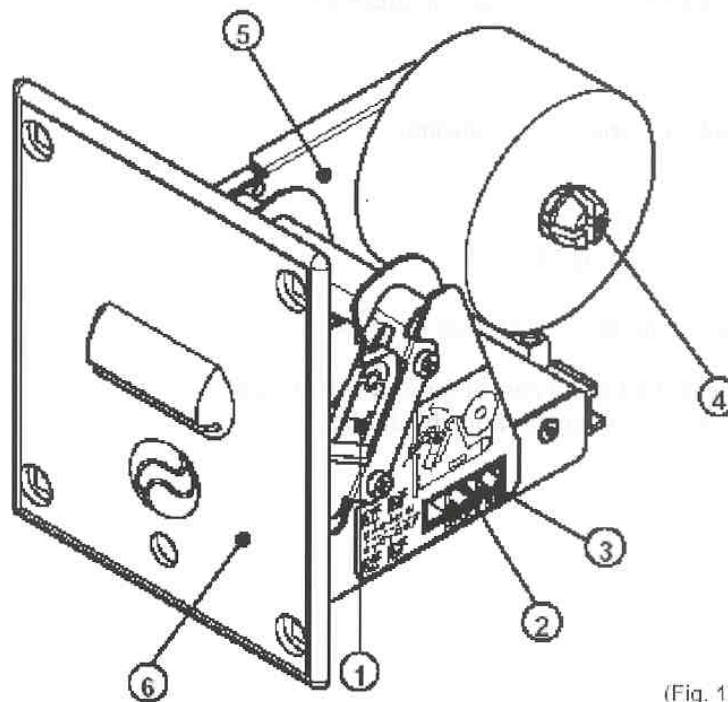
Standby current 50 mA

Operating humidity 20 - 85%

## Description Of The Printer

It is equipped with a 200 dpi thermal print mechanism that uses paper rolls with a width of 35mm (58mm options.). It has a TTL serial interface and is also equipped with a calendar clock (Real Time Clock).

The TG-35-58 Printer consists of a case (5) onto which the following components are fitted: thermal print mechanism (1), paper roll pin (4), front panel (6) in PPO for installation on Gaming Machines.



(Fig. 1)

## FREQUENTLY ASKED QUESTIONS

### **Where is the bill box, manual, coin bin and other accessories?**

All these items are located in the accessory box located at the bottom of the main packaging.

### **The unit is plugged but there is no display?**

The power switch located on the power supply is not in the **ON** position or the Model BC300 is not plugged into a live power outlet.

### **The options to dispense a card is not displayed. Instead there is a message “Sorry, Temporarily Unable To Dispense Cards”.**

Ensure that the card dispenser is properly loaded by removing all the cards and re-loading. After re-loading, turn the main power supply off for 10 seconds. Then back on to reset the dispenser.

### **When a card s inserted into the reader to add value, the display shows “Data Not Valid” and ejects the card.**

The setting for the card reader in Command Menu 9 are not correct or the card is from another site or system.

### **When a card is inserted in the reader, the display show “Unable To Read Card”. Why?**

The card might have been inserted the wrong way with the magnetic stripe on the wrong side or the card is from another site or system.

### **When a card is inserted into the reader, it does not show the value and the only way to retrieve the card is to power down the machine.**

Turn off the Model 1080 for 10 seconds. Then turn it back on. Carefully watch the display to see if a “Card Reader Not Responding” message appears. Check the cables to the reader or contact Boscop Inc. Service Department for assistance.

### **The card reader is not responding. Why?**

Check to ensure that the reader is [power up and that the cable connected to the back of the reader is secured. Or check to make sure that the correct reader type in Command Menu “Reader Setup” is selected. If not sure, contact Boscop Inc. Service Department for assistance.

### **How do you get to the Command Menu Mode?**

Press **CLEAR, D, 9, 5, 1, ENTER** on the keypad.

### **What is the password to enter the Command Menu Mode?**

The factory default password is 1080. If 1080 does not work, the password has been changed. Check with the system administrator for the correct password.

## BC300 Dispenser\Revalue Station Installation Data

Model: BC300 VER \_\_\_\_\_ Serial #: \_\_\_\_\_ Date \_\_\_\_\_

Customer \_\_\_\_\_

Building \_\_\_\_\_

Address \_\_\_\_\_

Contact \_\_\_\_\_ Tel \_\_\_\_\_ Fax \_\_\_\_\_

Reference \_\_\_\_\_

### Command Menu Mode Settings

ID		Enable Coins		Enable Dispenser	
Enable Log		Password		Enable Ser. IOTP	
P1 Baud		P1 Parity		P1 Data Bits	
P2 Baud		P2 Parity		P2 Data Bits	
Use DHCP		Terminal IP		Gateway	
Netmask		Server IP		Accept \$1 Bill	
Accept \$5 Bill		Accept \$10 Bill		Accept \$20 Bill	
Accept \$50 Bill		Accept \$100 Bill		Amount/Dollar	
Units/Dollar		Canadian Coins		USA Coins	
Accept 05 Coin		Accept 10 Coin		Accept 25 Coin	
Accept 100 Coin		Accept 200 Coin		Reader Type	
Mas Card \$		Max Card U		Card Format	
Card Types		Card STX		Card ROM	
Card Site 1		Card Site 2		Card Sit e3	
Card Price		Max Escrow		Val of Disp Card	
Receipt Printer		Always Print			
Line 1		Line 2		Line 3	
Bonus A Deposit		Bonus A Value		Bonus B Deposit	
Bonus B Value		Bonus C Deposit		Bonus C Value	

### NOTES

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## WARRANTY

This product is guaranteed to the original purchaser for a period of one (1) year from original purchase date against defective materials and workmanship when used under normal operating conditions. The repair or replacement or any necessary adjustments will be made free of charge provided that the machine is shipped securely packaged back to us. The guarantee is not applicable if the device has been subject to misuse, abuse, negligence, dropped and/or spillage accidents, power surges, faulty installation, improper operation, fire, lightning or third party acts. This guarantee is not applicable if the serial number has been altered, defaced or removed or if the device has been tampered with or taken apart by other than authorized service personnel.

Equipment returned for Warranty repair must be accompanied by a copy of the Bill Of Sale as verification or purchase date. Equipment returned without a Bill Of Sale will be charged to the customer at the normal repair rates.

Fill out and keep this information handy.

Part # _____	Serial No. _____	Date _____
Name Of Owner _____		
Address _____	City _____	State _____
Equipment Location _____		
City _____	State _____	Zip _____
Purchased From: _____		
Address _____	City _____	Zip _____
Installed On: _____		