

BOSCOP INC.

Cash Card Access and Debit Reader

Instruction Manual

Model: BC201 Serial



**Boscop Inc.
159 Dana Hill Rd
New Hampton NH 03256
Phone: 603-744-2188
Fax: 603-744-2062
email: service@boscop.com**

SERIAL CARD READER BC201

Table of Contents:

Index:

1. Sales and Service
2. Overview
3. Set-Up
 - 3.1 Setting The Dip Switches
 - 3.2 ROM Code Settings
 - 3.3 Parameter Set-Up
 - 3.4 Site Code Information
 - 3.5 Error Code Summary
4. Metering
 - 5.1 Meter Readings
 - 5.2 Clearing the Meters
 - 5.3 To Obtain Meter Readings via Print Out
 - 5.4 Printer Protocol
 - 5.5 Seiko DPU-414 Setup
5. Installation
 - 6.1 Serial Communication Protocol
6. Cash Card Reader Installation Data
7. Frequently Asked Questions and Explanation and Terms Used
8. Warranty

1.

Sales and Service

At **Boscop Inc.**, complete customer satisfaction is our number one goal. As such, customer support is readily available to satisfy any need you may have. Whether it's sales information, a service requirement or just general inquiry, you can be assured of a prompt response to your need(s).

If you require technical assistance advice or parts please contact **Boscop Inc.** and ask for the Service Department.

If you are a new or existing customer with a new installation in mind, our highly qualified sales staff will custom tailor a product solution for "your" particular needs. Simply telephone **Boscop Inc.** at 603-744-2188 and ask for sales assistance.

BOSCOPI INC.

Tel: (603)744-2188

Fax: (603)7442062

sales@boscop.com

<http://www.boscop.com>

BOSCOPI INC. . . . COMMITTED TO COMPLETE CUSTOMER SATISFACTION

2.

OVERVIEW

Thank you for purchasing Boscop Inc. BC201 series card reader. The BC201 card reader is capable of communicating with cash registers, computers and other serial devices through its 9 pin serial port. When a card is inserted into the reader the value is displayed on the LED display and transmitted to the attached application. The application performs its functions, then transmits the new value to be written onto the card and the card is updated and returned to the customer.

Important Notes:

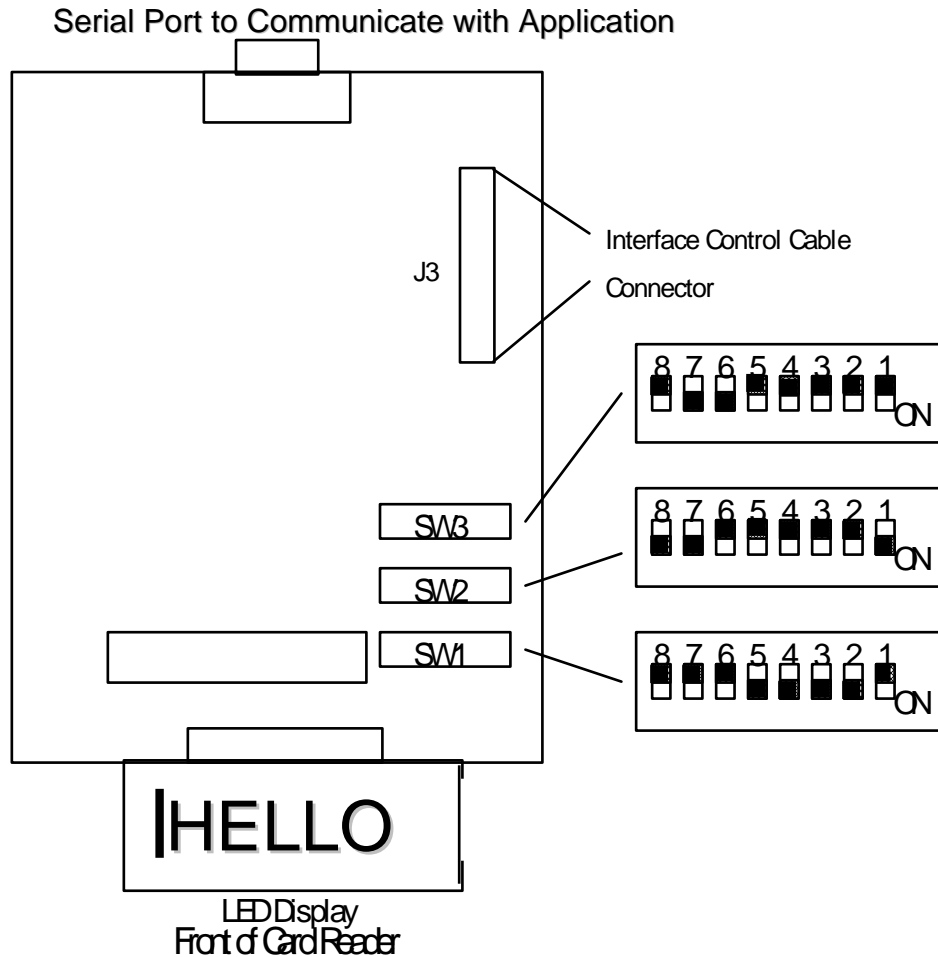
Switch 8 on Bank C **must be off** for most applications to work properly.

Switch 4 on Bank A **should be on** for most applications involving debit Applications. The only time it should be turned off is in a POS application where it is desirable to add value to a card through the POS terminal or allow for refunds to the card.

Switch 3 on Bank A **must be off** for most POS applications to work properly. The ON position causes the reader to verify the encoding on the card at exit but the delay in communications will likely result in the POS application interpreting a communication failure.

The following manual should allow you to install and set up your serial Card Reader. If you have any questions, please contact your dealer or Boscop Inc. technical support at 603-744-2188.

3.1 Setting the Dip Switches



NOTE: SW 2 shown set for C1A ROM Code.

- 1) Unplug the power supply from the wall outlet.
- 2) To access the switches insert the key in the back of the reader and turn it 180 degrees, which will unlock the transport from the cover.
- 3) Remove the transport by pushing the black front bezel where the card would be inserted at the front of the reader. Once the bezel has cleared the face plate on the cover, slide the transport completely out.
- 4) The switches are located on the board on top of the transport.
- 5) Set the switches according to your site requirements as follows:

DIP SWITCH SETTINGS

BANK 'A'

SW 1 * OFF - Allow Old Format
ON - Reject Old Format

SW 2 OFF - Do Not "Flag" Card
* ON - "Flag" Card

SW 3 OFF - Do not VERIFY write
**ON - VERIFY write on return

SW 4 OFF - Allow Application to Credit Card Value
**ON - DO NOT Allow Application to Credit Card Value

SW 5 OFF - Do not use SENSOR 3
* ON - Use SENSOR 3

SW 6 * OFF - Do not allow COMMAND CARDS
ON - Allow COMMAND CARDS

SW 7 * OFF - Do not perform TEST
ON - Perform TEST + Diagnostic Data on Power-up

SW 8 * OFF - Do not CONVERT code
ON - CONVERT code

BANK 'B'

SW 1-4 "ROM CODE" see section 3.2

SW 5-8 "START BYTE" see section 3.2

BANK 'C'

SW 1-4 "ROM for XCP systems, set by Boscop Inc.

SW 5 OFF - TOGGLE "HELLO"
ON - STATIONARY "HELLO"

SW 6 OFF - HOLD card if bad
*ON - DON'T HOLD card if bad

SW 7 OFF - Display Tenth of a Cent
*ON - Don't Display Tenth of a Cent

SW 8 OFF -For use with POS and Most applications
**ON For use with some Print Manager Software
Contact Boscop support for more details.

*Preferred switch settings for normal operation.

** See "Important Notes" on Page 4

3.2 ROM Code Settings

The following table shows the settings to be used on Switch Bank 2 for common ROM codes. If you cannot locate your ROM Code or have any questions, contact Boscop support for help.

CODE	SWITCH	1	2	3	4	5	6	7	8
40A		Off	Off	Off	Off	Off	Off	On	Of
C0A		Off	Off	Off	Off	Off	Off	On	On
C1A		On	Off	Off	Off	Off	Off	On	On
B9A		On	Off	Off	On	On	On	Off	On

3.3 Parameter Set-Up

In order for the Serial Cash Card Reader to operate properly, it must be initially set up using the "Set Parameters" card. This is one of three command cards used by the System.

Outlined below is a list of instructions describing how to set the reader up.

- 1) Insert the "Set Parameters" Card into the reader mouth with the label face up.
- 2) *The reader will take the card and the display will show "Pre Set".*
- 3) Remove the card from the reader.
- 4) *The display will flash between "i.d." and a "value". Where the "i.d." is the Machine Identification and the "value" is what it is set to.*
- 5) If the parameter is set properly, proceed to step 9.
- 6) To change this number, press the black front panel button once.
- 7) *This will cause the number to go to 0 (zero).*
- 8) To increase the value of the number, press and hold the black front panel button until the desired value is obtained. The button may be pressed and released as many times as required in order to achieve the number. **If you exceed the number, the process will have to be repeated from the start (step 1).**
- 9) In order to advance to the next parameter, insert the "Set Parameter" card until it stops inside the mouth and remove it quickly.
- 10) The next parameter will appear on the display with the setting. If it is not set properly, follow step 6. If it is set properly, proceed to step 9.
- 11) Repeat this process until all the parameters are set properly. At the last parameter, once the card is inserted and removed quickly, the display will show "HELLO" which indicates that the card reader is in its idle state.

1.	I.D.#	(I.D)	Machine Ident. #, i.e. 1-Must be set to 1 for most applications check the application & documentation for details.
2.	SITE CODE 1	(SITE 1)	Code for Group 1 – Your Site Code
3.	SITE CODE 2	(SITE 2)	Code for Group 2 your 2 nd site code
4.	SITE CODE 3	(SITE 3)	Code for Group 3 your 3 rd site code.
5.	LARGEST CASH AMOUNT	(LG.CASH)	Max. Cash Card allowed. **
6.	LARGEST UNIT AMOUNT	(LG.UnIt)	Max. Unit Card allowed. **

**** 0=Disabled i.e. Allow any value card**

3.4 Site Code Information

When using the Serial Card Reader with older systems that referred to the site code by what was set on the dip switches, the site code must be converted to its decimal value.

To convert the setting of the "DIP" Site/Group code to a decimal number use the following chart.

SWITCH #	1	2	3	4	5	6	7	8
<hr/>								
VALUE	1	2	4	8	16	32	64	128

For each switch in the "ON" position, add the corresponding value from the above chart. Example:

Dip Switch setting of old unit = site code 1347

SW1 = ON, SW2 = OFF, SW3 = ON, SW4 = ON, SW5 = OFF, SW6 = OFF, SW7 = ON, SW8 = OFF

Add the values corresponding to: SW1 + SW3 + SW4 + SW7 = 1347
Dip Switch setting.

The Decimal equivalent is: 1 + 4 + 8 + 64 = 77 Decimal setting as set in the parameters.

3.5 Error Code Summary

DISPLAY -----	PROBLEM -----
ER 1 -	A Card was not properly inserted or something is blocking one of the sensors
ER 2 -	Blank Card Inserted: Card was not encoded or card was inserted the wrong way.
ER 3 -	No Start Byte Encountered: Defective data on card. Magnetic head needs to be cleaned using a cleaning card.
ER 4 -	No ROM Code Encountered: Switches on Bank 2 were not properly set.
ER 5 -	Field Error: Defective data on card
ER 6 -	No End Byte Found: Defective data on card
ER 7 -	LRC Not Correct: Defective data on card
ER 8 -	LRC is Inverted (Flagged): Card was removed manually during a power off state
ER 9 -	Site Code Error (the card is from another system): Check that the proper site code is set using the SET PARAMETERS card
ER 12 -	Motor Speed Error: Problem with card reader
ER 13 -	Command Card Switch Not "ON": Switch 6 on Bank must be on to encode, clear meters or set parameters
ER 14 -	Illegal User Card: Card cannot be used with this system
ER 15 -	Illegal Command Card: To clear meters, the front button must be held while card is inserted
ER 16 -	Illegal Account Card Inserted: Card cannot be used with this system
ER 17 -	Illegal Card Format: To accept cards from older systems switch 1 on Bank A must be off
ER 19 -	Memory Error

4. Metering

4.1 Meter Reading

The BC201 Card Reader will provide a number of different readings as to the activity of the unit.

In order to retrieve the reading, the operator must insert the "Read Meter" control card. The BC201 will read the card and eject it from the reader. Once this is done, the card can be removed from the mouth of the reader altogether.

NOTE: Before Meter readings can be taken via the LED Display, the reader must be unplugged (via the 9 Pin D-Connector) from the application.

The display will show "rd.met" and the toggle between "CASH.r1" and a "value". The BC201 is indicating the meter reading and the value of that reading.

To advance to the next reading, the operator must push the front panel button once.

A list of all the reading is outlined below.

Once all the readings have been displayed, the display on the BC201 will show "HELLO" which means the BC201 is in its idle state.

BC201 Meter Readings:

Re-settable Meters:

CASH.r1	Cash Cards Value Deducted-Site 1
CASH.A1	Cash Cards Value Added-Site 1
CASH.r2	Cash Cards Value Deducted-Site 2
CASH.A2	Cash Cards Value Added-Site 2
CASH.r3	Cash Cards Value Deducted-Site 3
CASH.A3	Cash Cards Value Added-Site 3
UNIT.r1	Units Cards Value Deducted-Site 1
UNIT.A1	Units Cards Value Added-Site 1
UNIT.r2	Units Cards Value Deducted-Site 2
UNIT.A2	Units Cards Value Added-Site 2
UNIT.r3	Units Cards Value Deducted-Site 3
UNITS.A3	Units Cards Value Added-Site 3

CASH.r	Cash Cards Total Cash Deducted
CASH.A	Cash Cards Total Cash Added
UNIT.r	Units Cards Total Value Deducted
UNIT.A	Units Cards Total Value Added
nCCARD	Total Number Cash Cards Encoded
nUCARD	Total Number Units Cards Encoded
ECASH	Total Cash Encoded on Cash Cards
EUNIT	Total Value Encoded on Units Cards

Non-Resettable Meters:

tCSh.r1	Cash Cards Value Deducted-Site 1
tCSh.A1	Cash Cards Value Added-Site 1
tCSh.r2	Cash Cards Value Deducted-Site 2
tCSh.A2	Cash Cards Value Added-Site 2
tCSh.r3	Cash Cards Value Deducted-Site 3
tCSh.A3	Cash Cards Value Added-Site 3
tUnt.r1	Units Cards Value Deducted-Site 1
tUnt.A1	Units Cards Value Added-Site 1
tUnt.r2	Units Cards Value Deducted-Site 2
tUnt.A2	Units Cards Value Added-Site 2
tUnt.r3	Units Cards Value Deducted-Site 3
tUnt.A3	Units Cards Value Added-Site 3

tCSh.r	Cash Cards Total Cash Deducted
tCSh.A	Cash Cards Total Cash Added
tUnt.r	Units Cards Total Value Deducted
tUnt.A	Units Cards Total Value Added
tCCARD	Total Number Cash Cards Encoded
tUCARD	Total Number Units Cards Encoded
tECASH	Total Cash Encoded on Cash Cards
tEUnit	Total Value Encoded on Units Cards
CLEAR	Total # of Meter Clears

4.2 Clearing The Meters

In order to clear the meters, the operator must insert the "Clear Meters" control card while the front panel button on the BC201 is pressed. The operator must hold the button while the card is being read by the reader.

If the clearing was successful, the display will show "8.8.8.8.8.8." then return to "HELLO". If the front panel button was not held while the clear meters control card was inserted, the display will show "CLEAR" indicating that the meters were NOT CLEARED.

In order to clear the meters, simply insert the card again with the front panel button depressed

4.3 To obtain meter readings via Print out

1. Connect Printer to Card Reader via the 9 D Socket at the rear of the reader.
2. Make sure Printer is "ON Line".
3. Insert Read Meters Command Card.

4.4 Printer Protocol

Standard RS232 Output

9600 Baud →
ODD Parity
8 Data Bits
1 Stop Bit

Pin out from Reader (9 Pin D-Connector)	25 Pin	9 Pin
Pin 2 – Data	pin 2	Receive 3
Pin 3 – Receive	pin 3	Data 2
Pin 5 – Ground	pin 7	Ground
Pin 7 - - -		
Pin 8 - - -		

4.5 Seiko DPU 414 Setup

Refer to the manual provided with the printer and set as shown below.

DIP SW-1

1. (OFF) : Input = Serial
2. (ON) : Printing Speed = High
3. (OFF) : Auto Loading = OFF
4. (OFF) : Auto LF = OFF
5. (OFF) : Setting Command = Disable
6. (OFF) : Printing
7. (ON) : Density
8. (ON) : 100 %

DIP SW-2

1. (OFF) : Printing Columns = 80
2. (ON) : User Font Back-up = ON
3. (ON) : Character Select = Normal
4. (ON) : Zero = Normal
5. (ON) : International
6. (ON) : Character
7. (ON) : Set
8. (OFF) : U.S.A.

DIP SW-3

1. (ON) : Data Length = 8 Bits
2. (OFF) : Parity Setting = Yes
3. (ON) : Parity Condition = Odd
4. (OFF) : Busy Control = XON/XOFF
5. (OFF) : Baud
6. (ON) : Rate
7. (ON) : Select
8. (ON) : 9600 bps

5. Installation

The Card Reader may be mounted in any convenient location on, or next to, the controlled machine. Attach the Card Reader to the application via a Serial cable plugged into the 9 “Dsubminiature” Female socket at the back of the reader. Plug the transformer attached to the card reader into a standard AC outlet or Power bar.

5.1 Serial Communicating Protocol

The Serial Communication Protocol of the BC201 is as shown below. Ensure that the communication Protocol of the attached application is set to match.

Board	9600
Data Bits	8
Stop Bits	1
Parity	Odd

6.

Cash Card Reader Installation Data

Model: BC201 VER 3.01 Serial #: _____

Date _____ Customer _____ Building _____
Address _____ City _____ State _____ Zip _____
Contact _____ Tel _____ Fax _____

Equipment & Model

DIP SWITCH SETTINGS

BANK "A" (ON) _____ BANK "B" (ON) _____ ROM
CODE _____
BANK "C" (ON) _____

PARAMETER SETTINGS

SITE 1 _____ SITE 2 _____ SITE 3 _____
I.D. # _____ LG.CASH _____ LG UNIT _____

APPLICATION INFORMATION

NOTES:

PLEASE COMPLETE AND FAX TO BOS COP INC. (630-325-9201)

FREQUENTLY ASKED QUESTIONS

BC201 CARD READER/POS

For Error messages refer to Error code list.

When a transaction is made towards the card reader the display on the register comes up as “Reader Not Responding”.

Check to see if the cable is connected to the reader and the Datasym board located at the back of the register.

Check to see if the card reader Parameter ID is set to 1.

When a transaction is made the register displays an error message of “Card Verify Error”?

Turn switch 2 on Bank A to the off position.

When trying to add value to a card the value is added and the card ejected but the register displays “Card Not Present”?

Set the R/A for that key to Auto Media = YES, Media = CASH, Cashcard = YES.

The register displays a Lock message.

Ensure that a Cashier button is depressed or a cashier is logged in.

The reader does not display the Hello message.

Ensure that the reader is getting power from the outlet. Plug the unit into another outlet in another room. Check the power cable for any broken wires. If the unit is found to be the problem, consult an Boscop Inc. Technician.

How to remove a card jam from a reader.

Unplug the reader and remove the reader from its case and locate the white gears on the right side when facing the front. Turn the gears counterclockwise until card comes out. For stubborn jams follow procedure above put push down on the roller at the underside of the reader.

How are the parameter settings set?

Use the Command Card SET PARAMETERS.

Print Queue displays a communication error between the reader and PC.

Check the serial communication cable as well as the power cable of the reader.

Make sure that the ID # is set to 1 in the reader parameters.

4. EXPLANATION OF TERMS USED IN SERVICE

Audit Report Printer:	An optional serial printer that can be attached to the printer output jack on the main board. When the printer is attached and the device is requested to print, a hard copy of the account information will be printed. Refer to the specific product manual for details.
Card Format	<p>The format of the data on the card is referred to as card format. Often the format is named after the company that manufactures the readers that utilize it.</p> <p>Some formats are named for card the issuing body such as MONDEX or VISACASH. Many ASU readers can be setup to read other formats of cards through settings and or specific firmware revisions.</p>
Card Format:	There are 2 card formats available. They are ASU format and OTHER format. If the system is using cards from a competitor's system, then set the format to OTHER. If the original system was provided by ASU Systems, set the format to utilize the high security ASU card format. Refer to the specific product manual for details.
Card Reader:	Device that accepts the card, determines the value of the card and transfers the value of the card to the control board or enables the copier, etc. When the transaction is finished and the eject button is pushed, the Card Reader writes the new value onto the card and returns the card to the customer. The Card Readers used are the 10XX-YY-Z Series where XX = application, YY = card size (CR-50 or CR-80) and, in the case of CR-80, Z determines the track position on the card that the magnetic stripe is located (2, 4, 5).
Card Size / CR-50 / CR-80:	Two standard card sizes are the CR-80 (typical credit card size – approximately 54 mm.) and CR-50 (narrower card – approximately 44 mm.) These are standard sized based on ISO standards.
Card Track:	The location of the magnetic stripe on the card. The locations are based upon ISO standards. Some common tracks are 5.5, 2, and 4 and, in the case of CR-50, centered. The advantage to the CR-50 centered track is the card can be read/written from either end.

Command Card Switch	An internal DIP switch located on the top board of the reader that must be set correctly to allow use of command cards. This is typically switch 6 on bank A (front DIP switch) and it must be in the ON position to allow command cards. For security reasons THIS SWITCH MUST BE TURNED OFF EXCEPT WHEN USING COMMAND CARDS!!!!!!
Command Cards Control Cards Set-up Cards	Command Cards are used by various readers to do Administrative tasks. Some of these tasks include: Setting parameters, Reading meters, Clearing meters, Encoding cash or units onto user cards, and Logging in or out operators. See Command Card Switch section for important note.
Communication port	See Serial Port Section
Control Cards	See Command Cards
Eject Button:	User accessible button on the front of Card Readers to indicate that the user wants the card returned. This button is also used to set parameters and exit meter-reading routines.
High Field:	A magnetic data stripe with high coercivity in the range of 4000 oersted. This is a higher security medium that takes a much larger magnetic field to encode. Typically, the write CCT drives through a 15-ohm resistor. See Low Field.
LED LCD Display	The display used to show information on status etc to the user. There are two main types used by ITC Systems. LED (Light Emitting Diode) and LCD (Liquid Crystal Display) are the proper names for these displays.
Low Field:	A magnetic data stripe with low coercivity in the range of 400 oersted. This is a lower security medium equivalent to a typical bankcard that can easily be affected by a magnetic field. Typically the write CCT drives through a 220 to 330 ohm resistor. See High Field.
Machine ID#:	An arbitrary number the operator can assign to the device to track which unit is making what copies. This number will be printed on the audit reports if an audit report printer is used. This ID number is critical for POS cash register use where it must be set to 1.

Parameter / Option / Command:	Administrator settable variables to determine how the system will function, values to be charged, card compatibility, etc. These are either numerical values, ON / OFF, Yes / No, or similar choices.
Power Supply Power Adapter Transformer	A Class 2 device (wall plug type) that converts the 120 volt power supplied by the mains to a lower AC or DC Voltage. This lower voltage (typically 9 to 24 volts) is then utilized by the controller. Using a class 2 device makes the product safer as there is no direct path to 120 Volts.
Printer Settings:	Typically printers are used to obtain meter and audit readings. To allow for maximum versatility, most printers and many controllers have settable parameters include: Baud Rate, Parity, Data Bits, Stop Bits, Null Characters, etc. The settings of the printer and controller must match for proper printout. See Null for explanation.
RAM:	Random Access Memory where the parameters and meters are stored. The device will have a battery on the board to keep this data even though the device is unplugged from the wall. Random values in the meters and parameters indicate that the battery may have failed. Parameters being lost or, in the case of Card Readers, changing to 65 XXX or 520 values indicates loss of battery back up. In these cases, the first item to check is the battery voltage.
Receipt Printer	The receipt printer is a small printer dedicated to printing receipts for transactions as they take place. There are receipt printers available for the 1040 plus and 1035.
ROM Code:	This is the last digit in the ROM Group Code (see STX Code for proper settings).
Serial Port Communication port Key Account Software	Some Devices (1040 Plus, 7500 1010 etc) have a built in serial communication port to interact with a computer or Audit Report Printer to report meter readings. Special communications packages are also available for some devices to upload and download information including parameters, account information and meter readings. (i.e. 7500 & Key Account 1010 and Actors)
Set-up Cards	See Command Cards

Site Code: This is a unique code assigned to the location so only cards at that location can be used. Site Codes are assigned in groups called ROM groups (see ROM and STX). Up to 3 Site Codes can be set on each Coin-Op for different pricing applications.

Smart Card: A card with a memory chip embedded in it to store data instead of storing data on a magnetic strip. The smart card has exposed terminals for data transfer to a Smart Card Reader device. The data contained on the smart card is encrypted according to the specific application.

Software / Firmware: The program that runs within the controller. Contained on an EPROM (or, in some cases, a microprocessor), it can be easily upgraded by exchanging the EPROM. NOTE: EPROMS are very fragile and sensitive to static electricity so handling precautions should be observed. The label on the EPROM does not necessarily indicate the orientation of the EPROM to the socket! Always double check that the notch on the EPROM matches the notch on the socket.

STX Code: This is the first digit(s) in the ROM Group. This is set by determining the start byte(s) of the ROM Group Code. For example, in ROM Group C1A, the start byte is "C". This is entered in DECIMAL (i.e. 12) at the parameter STX Code.

ROM Group	STX Code	ROM Code
B9A	11	9
C0A	12	0
C1A	12	1
C2A	12	2
E70	231	0
E71	231	1
40A	4	0

Transformer See Power Supply section

Troubleshoot: To diagnose a specific problem or malfunction in a device through the process of elimination of working functions and components vs. non-working functions and components through a logical, methodical approach and process.

Warranty

BOSCOPE INC. – WARRANTY AND LIABILITY CONTRACT

By issuing a Purchase Order or contracting with Boscop Inc. to carry out the supply of products, clients are accepting the terms of this Warranty and Liability Contract.

This document states the warranty and liability offered by Boscop Inc. on any products we manufacture or services we provide for our clients.

Boscop Inc. shall not be liable for any direct, indirect and/or consequential damages or losses, including loss of use, revenue, profit incurred by the client, its customers and/or any third party as a result of the use of the work carried out by Boscop Inc. for the client, including any loss resulting from equipment failure or malfunctions, design or programming errors or any other use of the work carried out in this contract. The client specifically waives any claim or recourse it may have against Boscop Inc. in any of the above instances.

When Boscop Inc. is manufacturing equipment, the equipment to be manufactured will be an exact replication of previously manufactured product, or the prototype, unless specified otherwise by the client, in writing.

Boscop Inc. warrants all parts of new equipment for 90 Days, from date of invoice or if warranty card is on file, from date on card, against DEFECTIVE MATERIAL OR WORKMANSHIP, but not against damage caused by accident, abuse, faulty installation, or improper operation.

Boscop Inc. will repair, or at its option, replace without charge, F.O.B. factory, defective parts returned to its factory, transportation charges prepaid. Boscop Inc.' obligation under this warranty is limited to repair or replacement as stated herein.

Any changes in design or improvements added to the line of equipment shall not create any obligation to install same on equipment previously sold and delivered to the client.

Any unauthorized alteration of, or addition to, articles of the contractors manufacture voids this warranty.

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

WARRANTY REGISTRATION CARD

Mail to Boscop Inc. at once. The warranty period begins on the date your equipment is put into service, but is effective only if this card is filed with Boscop Inc..

Please Print:

Part # _____ Serial No. _____ Date _____

Name of Owner _____

Address _____ City _____ Prov & Zip _____

Street Location of Equipment _____

City, Province & Zip _____

Purchased from (Dist.) _____

Address _____ City _____ Prov & Zip _____

Installed On: POS Coin Laundry _____ Copier _____ Computer _____

Vending Installation _____ Laser Printer _____ Other _____