

RCS Contents

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Back Office Operating Manual

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RCS Restaurant Programming: **PROCEDURE (Outline)**

•Certain Categories must be programmed in a specific order. These Categories have letters following them (A, B, etc.) to show the proper order.

STEP 1

EDIT MENU

- A. Create Screens with buttons on them (Do not Create or Edit Items).

TAXES

TIME FRAMES

PAY TYPES

DEVICES

- A. Local Printers
- B. Terminals (Don't choose LOCAL PRINTER)
- C. Printers
- D. Terminals (Choose LOCAL PRINTER)
- E. Cash Drawers

STEP 2

PAYMENTS

DELIVERY

PRICE SPECIALS

DEPARTMENTS

- A. Headings
- B. Departments

PRINTERS

- A. Guest Printers
- B. Prep Printers
- C. Printer Group

STEP 3

SETUP

GRAT/DISC

EDIT MENU (Create Items -- See EDIT MENU Outline)

STEP 4

JOBS

- A. Areas
- B. Jobs

CHANGE SPECIALS

STEP 5

REPORT SETUP

- A. Reporting Periods
- B. Preset Reports
Cash Payment Counts
- C. Report Groups

EMPLOYEE INFO

Software Install Procedure

RCS Software installation/update procedure

Preparation:

Turn off all terminals, including the fileserver.
Turn on the fileserver, and let it start up normally.
Exit the POS software by typing the '~' on the keyboard.

From Installation Disk:

Insert installation disk into fileserver.
Type A:\INSTALL
Type 'A' at the first prompt.
Type 'C' at the next prompt.
Type 'Y' as necessary to get past the next prompts.
When installation is complete, remove disk.
Reset fileserver and turn terminals back on.

From BBS update file:

NOTE: An unzip utility is required. UNZIP or PKUNZIP may be used.

These instructions assume that the update file (Vxx-Rxx.ZIP) is located on the fileserver's C:

Type C:
Type CD\RCS
Type ATTRIB -r RCSRUN.EXE
Type ATTRIB -r RCS.EXE
Type COPY *.EXE *.BAK * Recommended but not required.
Type COPY RCS.RES RCSRES.BAK * Recommended but not required.
Type CD \

UNZIP:

Type UNZIP <update file>

PKUNZIP:

Type PKUNZIP -d <update file>
Type CD RCS
Type ATTRIB +r RCSRUN.EXE
Type ATTRIB +r RCS.EXE

Completion:

Reset fileserver and turn terminals back on.
Enter 'MANAGER' mode and press "SOFTWARE INFORMATION" and verify that the version reported matches that which you have just installed. If it is not the correct version, the update did not install properly.

Remote Control or No keyboard:

The update procedure can be performed over the network or via remote control software. When using remote control, it is often impractical or impossible to turn off or reset the terminals.

Use the network remote control utility to send the following keystrokes to the fileserver:

~ (wait a second in case the screensaver was active)

~

REMLOCK RCSRUN.EXE

You can now proceed with the normal instructions on the reverse. Replace all references to the C: drive with the network drive letter of the fileserver.

RCS Key Passwords

RCS Password Policy

All RCS license keys are shipped with an expiration date. The expiration can be removed by entering the key's password. Passwords may be obtained from RCS after payment has been received by RCS.

Company Check: Password may be obtained 10 days after payment is received.

Cashiers Check: Password may be obtained immediately.

Custom Expiration Dates

If desired, RCS can program a custom expiration date onto any key. The custom date may be used by the dealer to ensure payment from restaurants. To request a custom expiration date, note the date on the Purchase Order.

Note: If the desired custom date is later than the Payment Due Date for the order, payment must be prepaid or made via COD.

Entering a Key's Password

**Note: Each key must be unlocked individually.*

Before expiration: Enter Manager Mode (POS main screen, MANAGERS)
Press 'Key Date'
Press 'Unlock'
Type in the password

After expiration: At the Dos prompt (\RCS) type RCSRUN PWD:<password>

Hardware, Boot Disk Setup, Wiring

RCS Hardware Requirements

Minimum Hardware Requirements for RCS Point Of Sale Terminals are as follows:

****200 WATT Power Supply highly recommended for all POS Terminals**

CRT TERMINAL

14" Color CRT Touch Screen Monitor
256K Local Bus VGA Video Card
486 DX66 Processor (external cache not required)
8 Megabytes RAM
IDE/IO Card
1.44 MB Floppy Drive
Ethernet Network Card (NE2000 recommended)

LCD TERMINAL

9 1/2" Mono, Greyscale, or Color LCD Monitor
LCD Video Card
486 DX66 Processor (external cache not required)
8 Megabytes RAM
IDE/IO Card
1.44 MB Floppy Drive
Ethernet Network Card (NE2000 Recommended)

FILESERVER

ADDS 540 MB (min.) Hard Drive and 256K cache to Terminal specifications.

CREDIT CARD PROCESSOR

Monochrome Monitor - recommended (any size)
386 SX40 Processor
1 Megabytes RAM
Mono MGP Video Card
IDE/IO Card
1.44 MB Floppy Drive
Ethernet Network Card (NE2000 recommended)
1200 or 2400 BPS Hayes Compatible Modem (higher speed modems not recommended)

OPTIONAL EQUIPMENT

- Magnetic Stripe Card Reader - Must be Keyboard Wedge type
- Pole Display - Must be 1 or 2 lines @ 20 characters per line; serial

RCS Autoexec.bat and Config.sys • Fileserver only

CONFIG.SYS

```
DEVICE=C:\dos\himem.sys
DEVICE=C:\dos\emm386.exe NOEMS
DOS=HIGH,UMB
FILES=80
BUFFERS=80
STACKS=20,256
```

```
DEVICE=\dos\ramdrive.sys 128
```

----INSERT APPLICABLE NETWORK FILES HERE

AUTOEXEC.BAT

```
@ECHO OFF
PATH c:\zip;C:\DOS;C:\lbl;
prompt $p$g
```

```
mode com2:9600,n,8,1
```

Each SERIAL port that is used needs the following defined for it: “comX:baud,parity,bits,stop”

```
set RCS_SERVER=TRUE
set RCS_RAMDRIVE=D
set RCS_MYNODE=2
set RTM=EXTLEAVE 32 REALLEAVE 4096
set RCS_NOCURSOR=TRUE
```

```
\dos\share /F:8192 /L:255
\dos\smartdrv.exe 512 C /Q
```

The ‘512’ is the amount of memory smartdrv use. This should be adjusted so that the machine has approximately 700K to 1MB free when RCS POS is running

```
echo Loading Touchscreen Driver...
```

----INSERT TOUCHSCREEN MOUSE DRIVERS HERE

```
echo Loading Network...
```

----INSERT NETWORK INSTALLATION COMMANDS HERE

```
:RESTART
cd \rcs
rcsrun
if errorlevel 99 goto END
goto RESTART
:END
```

RESTART to END sets up the RCSRUN command to be in an endless loop. RCSRUN will return 99 on a normal exit. Any other exit is due to another error that has caused the program to quit

RCS Autoexec.bat and Config.sys • Terminals

CONFIG.SYS

```
DEVICE=\dos\himem.sys
files=20
buffers=20
STACKS=20,128
```

```
DEVICE=\DOS\RAMDRIVE.SYS 128
```

----INSERT APPLICABLE NETWORK FILES HERE

AUTOEXEC.BAT

```
@ECHO OFF
PATH \DOS;\lbl;
prompt $p$g
```

```
\dos\share
```

```
mode com2:9600,n,8,1
```

Each SERIAL port that is used needs the following defined for it: "comX:baud,parity,bits,stop"

```
set RCS_MYNODE=X
```

Set X to a unique number. This number will reference the terminal to the device setting.

```
set RCS_RAMDRIVE=C
```

```
set RTM=EXTLEAVE 32 REALLEAVE 4096
```

```
set RCS_NOCURSOR=TRUE
```

```
echo Loading Touchscreen Driver...
```

----INSERT TOUCHSCREEN MOUSE DRIVERS HERE

```
echo Loading Network...
```

----INSERT NETWORK INSTALLATION COMMANDS HERE

```
:RESTART
```

----INSERT NETWORK CONNECTION COMMANDS HERE

```
echo Synchronizing local clock to fileserver...
```

----INSERT NETWORK SYNC CLOCK TO SERVER COMMAND HERE

```
d:
```

Switch to Network Drive

```
cd \rcs
```

```
echo Starting RCSRUN...
```

```
rcsrn
```

```
if errorlevel 99 goto END
```

```
goto RESTART
```

```
:END
```

RCS Environmental Variables

Point-Of-Sale (RCSRUN.EXE):

RCS_USE_VM=[any]	Enables 1MB of virtual memory.
RCS_VM_PATH=drive:\path	If Virtual Memory is used, this specifies the drive and path to use for virtual memory. If not specified, it will default to the root of the current drive, which will generally be across the network. If a hard drive is present on the terminal, it should be used instead.
RCS_RAMDRIVE=X	Specifies the location for this terminal to use for temporary files. If it is not specified, the terminal will use a temporary file across the network. (Using a local ramdrive is MUCH faster)
RCS_ALIVEDRIVE=X	Specifies the drive to use for temporary terminal communication files. This MUST be the same physical device for all terminals. That is, the target drive that will hold the temporary data must be the same for all terminals. For example: The target drive is the fileserver's ramdrive, drive D, so the fileserver sets this variable to 'D'. Terminal #3 redirects drive Z: to the fileserver's drive D, so it sets this variable to drive 'Z'. It is VERY important that every terminal is set up properly when using this option. If you do not fully understand this option, don't use it.
RCS_DATADRIVE=X	Specifies the drive to run in. If booting/running a terminal from a hard drive, this can be used to use the local hard drive for system/program files, and the network drive for POS data files.
RCS_NETCLOCK=drive:\path\filename	Specifies the network utility to use to synchronize the terminals clock to the fileservers clock.
RCS_NETCLOCK_FREQ=X (seconds)	If a network utility to synchronize clocks is used, this specifies how often the terminal should run the utility.
RCS_MYNODE=[any]	Specifies the terminal node number that will identify this station within the RCS system.
RCS_SERVER=[TRUE,FALSE]	Specifies that this terminal is considered the fileserver. Only one terminal should be set up as the fileserver. This terminal allows certain tasks, such as system closeout and time update, as well as other internal tasks.
RCS_MIN_SEPTIME=[1/1000 seconds]	Number of milliseconds to delay between button presses.
RCS_SAME_DELAY=[Multiple of above]	When press is in same location as last press, number of times RCS_MIN_SEPTIME should be multiplied by.
RCS_MOUSE_MODE=[0,1]	0 specifies to use driver functions 5 and 3. 1 specifies to use driver function 3 only.
RCS_NOMOUSE=[any]	Allow POS to begin even if mouse is not present.
RCS_NOCURSOR=[any]	Specifies that the mouse cursor never be displayed.
RCS_NOMETAMOUSE=[TRUE/FALSE/NORESET]	Specifies that RCSRUN should use compatibility mode to communicate with the mouse driver. Some mouse drivers may require this, such as EloGraphic's monmouse driver. This compatibility mode may not work with 800x600 screen resolutions.

RCS_ADJUSTMOUSEX=[mult]	X/Y dimension multiplier for non-standard mouse drivers. The X and Y coordinate returned from the mouse driver are multiplied by the value of 'mult' specified in this setting. (For 800x600 resolutions, some mouse drivers may require 1.25 for this setting).
RCS_ADJUSTMOUSEY=[mult]	
RCS_XTOL=[tolerance]	Horizontal and vertical tolerance levels for touch coordinates. The larger this setting is, the easier it is to activate on-screen buttons - the program will allow touches that are 'near' the button instead of requiring the touch to be exactly within the button's boundaries. The default setting is [X=30, Y=22], and is usually sufficient for most touchscreens.
RCS_YTOL=[tolerance]	
RCS_LIFTOFF=[1-20]	Specifies the number of milliseconds to wait before determining that the finger has been released from the touchscreen. Some touchscreens are either overly sensitive or slow, causing them to report that the finger was released when it is still touching the screen. Increasing this value will reduce the problem.
RCS_RESET=[HH:MM]	Causes station to reset itself at specified time. This option is often used to cause the station to reboot during the middle of the night to allow the network to clear out any anomalies that may have occurred during the day's transactions.
RCS_RESET_SOFT=[TRUE/FALSE]	If TRUE, station does not actually reset the station, but does quit RCSRUN (and stuffs keyboard buffer for restart). This may be necessary at fileserver if it does not reset correctly.
RCS_DBTEST=[any]	Specifies that RCSRUN should test the database to find non-existent or invalid links.
RCS_BACKUPSERVERTO=[drive:]	This terminal will periodically backup (mirror) the fileserver's POS data files to the drive that is specified.
RCS_MOUSEFIX=[res]	<u>Back Office (RCS.EXE):</u> For RCS.EXE only - specify the vertical resolution the mouse driver is using. For Elo touchscreens, this is 1000.
RCS_SCREENSAVE=[TRUE/FALSE]	For RCS.EXE only - Set to TRUE to implement a simple screensaver for the back office.
RCS_QUITPASSWORD=[password]	For RCS.EXE only - Specify password required to exit the back office software.
RCS_MKR_PRINTER=[type]	Specifies Backoffice printer type of IBM, EPSON, or HPLASER. If not defined, the default is HPLASER.

RCS Back Office Programming for MicroPlus VDU

(without On-the-fly printing)

Create a physical printer in DEVICES for each VDU control box that will be used (each control box can control up to 4 separate VDU screens/keypads). Set up in the same manner as for a remote printer, using 'MICRPL' as the printer type. Do not enter anything in the option for VDU codes.

Create a Prep Printer in PRINTERS for each VDU screen that will be used. Set 'Content' Type' to 'Prep'. Use only the following options in the 'Ticket Content' list (no other options should be selected):

OVERRIDE ITEM: -No Expand
OVERRIDE ITEM: -No Price
OVERRIDE ITEM: -Use sep. lines
Print Items
Print Modifiers

Do not enter anything in the 'Mini Header' or 'Mini Footer' fields.

When setting up Printer Groups in PRINTERS, use only the following 'Header options':

Server's name
Table number
Check number

Do not use any 'Footer options', and do not enter anything in the 'Header', 'Footer' or 'Min Lines' fields. If necessary, specify the monitor ID to use in the 'VDU ROUTE' field, in the format ~VIDnn, where nn is the monitor to display the ticket on.

When programming items, you can set the item's VDU color by typing '@n' in front of the Prep Desc. text, where 'n' is a color code from 0 to F. See the color chart below. In addition, two predefined colors are built into the system and can be selected with the 'red' checkbox or the 'bold' checkbox. Bold text is displayed as blue on the VDU screen.

NOTE: If the '@' character is used anywhere within the 'rep Desc.' field, the VDU will interpret it as the color change code. Be careful to not use the '@' for anything else.

0- Black	A- Lt Green
1- Blue	B- Lt Cyan
2- Green	C- Lt Red
3- Cyan	D- Lt Magenta
4- Red	E- Yellow
5- Magenta	F- White
6- Brown	
7- Lt Gray	
8- Dk Gray	
9- Lt Blue	

RCS Back Office Programming for MicroPlus VDU

(Utilitizing On-the-fly printing)

Create a physical printer in **DEVICES** for each VDU control box that will be used (each control box can control up to 4 separate VDU screens/keypads). Set up in the same manner as for a remote printer, using 'MICROPL' as the printer type. Do not enter anything in the option for VDU codes.

Create a Prep Printer in **PRINTERS** for each VDU screen that will be used. Set 'Content Type' to 'Prep'. Of the other options in the 'Ticket content' section are required. Do not enter anything in the 'Mini header or 'Mini footer' fields.

Click on the On-the-fly button to bring up the On-the-fly setup screen.

Select 'MicroPlus VDU' for VDU Type. In the right hand column, select the device to send data to.

Set up the VDU Specific fields as follows:

Digits:	Description:
1, 2.....	Register # (use 99 for actual reg. #)
3.....	Route #
4.....	Header color
5.....	Default modifier color
6.....	Void color
7.....	Default item color

Numbers:	Color Table:
0.....	Black
1.....	Blue (bold in item definition)
2.....	Green
3.....	Lt Cyan
4.....	Red (red in item definition)
5.....	Pink
6.....	Yellow (bold and red in item definition)
7.....	White
8.....	Gray
9.....	Lt Blue

Example VDU Specific setting: 0116327

***RCS* Elo Touchscreen Setup**

Loading ELO Drivers:

ELO Drivers must be loaded in the following order.

Nomouse

Elodev (enter device #'s here)

Monmouse -m5 -t+ -b-

REM out all Mouse commands

[A mouse can be loaded after the ELO drivers, however for ease of setup it is usually better to REM out all mouse drivers until you are sure the touchscreen is working]

Tochscreen Calibration Batch File:

CALIB.BAT:

Elocalib -m12 -s- -u+ -q

Monmouse -m5 -t+ -b-

RCS Wiring Requirements and Specifications

ETHERNET TWISTED PAIR WIRING REQUIREMENTS

(Used to connect POS terminals and the back office computer)

4 Pair Twisted Pair. (24awg, Category 5)

RJ-45 connectors

- Requires use of a 'concentrator' or 'hub'. Each POS terminal requires a home run to the hub (twisted pair wire connecting the terminal and the hub).
- Maximum length of any wire segment is 100 meters (328 feet).

SERIAL PRINTER WIRING REQUIREMENTS

(Used to connect serial printers, usually RKP, to the nearest POS terminal)

2 or 4 Pair Twisted Pair. (24awg, Category 3 or 5)

DB25 or DB9 connectors

- Only requires 2 Pairs (4 wires), however 4 Pair is often used when the network also uses it.
- Maximum length is 100ft.

PARALLEL PRINTER WIRING REQUIREMENTS

(Used to connect parallel printers, usually SCP, to the nearest POS terminal)

IBM style DB25M to Centronics, (premade)

- Maximum length is 25ft.

CASH DRAWER WIRING REQUIREMENTS

(Used to connect cash drawer to nearest POS printer)

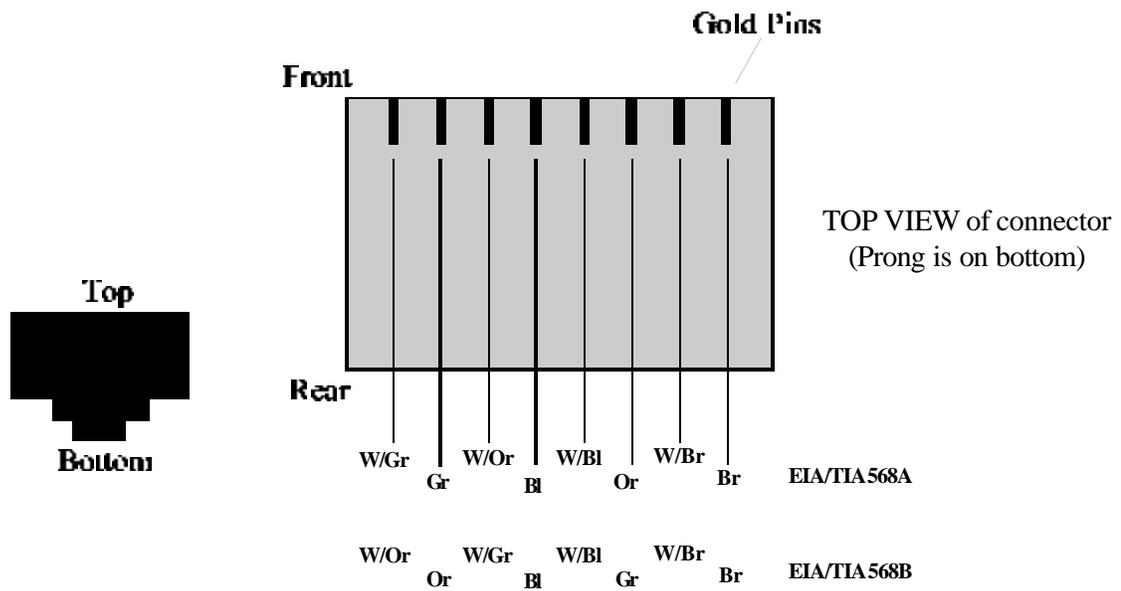
No standard setup

- Common setup: Telephone style 6 wire satin flat cable. RJ-12 connectors.

TWISTED PAIR ETHERNET Connections

SPECIFICATIONS

- Cat-5 UTP
- EIA/TIA 568A or 568B Wiring Scheme
- Use RJ-45 Connectors for SOLID wire



WIRING GUIDELINES

- Maximum length of any wire segment is 100 meters (328 feet).
- Avoid running wire through strong EMF fields - near elevators, heat pumps, and AC units.
- Avoid physical damage or stress to the cable. No sharp bends; don't over tighten tiewraps; don't cut into the jacket of the copper conductors when scoring the outer jacket; don't twist multiple cables together during installation.

RCS RS232C Serial Connections Worksheet

Location: _____

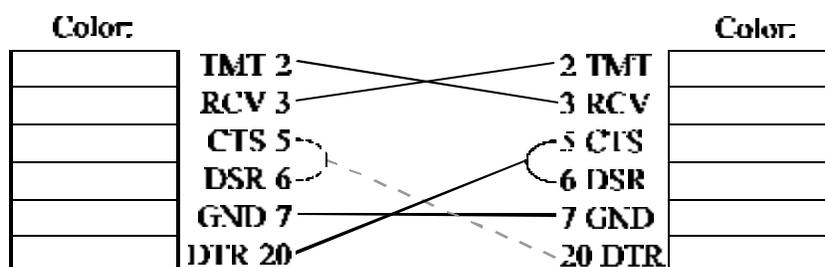
Date: _____

Comments: _____

DB25-Male TO DB25-Female Connection

Printer side:
DB25-Male

Computer side:
DB25-Female

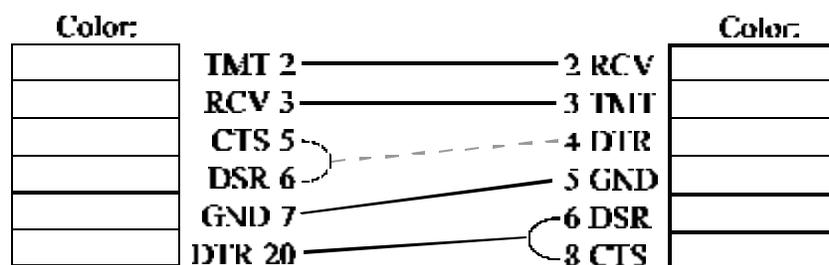


The wire between Printer 5,6 to Computer 20 is only required if drawer compulsion will be used.

DB25-Male TO DB9-Female Connection

Printer side:
DB25-Male

Computer side:
DB9-Female



The wire between Printer 5,6 to Computer 4 is only required if drawer compulsion will be used.

DB9 to DB25 Conversion:

Signal	DB9	DB25
CD	1	8
RCV	2	3
TMT	3	2
DTR	4	20
GND	5	7
DSR	6	6
RTS	7	4
CTS	8	5

DB25 to DB9 Conversion:

Signal	DB25	DB9
TMT	2	3
RCV	3	2
RTS	4	7
CTS	5	8
DSR	6	6
GND	7	5
CD	8	1
DTR	20	4

RCS RS232C Serial Cash Drawer Connection

Location: _____

Date: _____

Comments: _____

DB25-Male TO DB25-Female Connection

Cash Drawer side:
DB25-Male

Computer side:
DB25-Female

Color:

RCV 3
GND 7
RI 22

2 TMT
7 GND
22 RI

Color:

DB25-Male TO DB9-Female Connection

Cash Drawer:
DB25-Male

Computer side:
DB9-Female

Color:

RCV 3
GND 7
RI 22

3 TMT
5 GND
9 CTS

Color:

DB9 to DB25 Conversion:

Signal	DB9	DB25
CD	1	8
RCV	2	3
TMT	3	2
DTR	4	20
GND	5	7
DSR	6	6
RTS	7	4
CTS	8	5
RI	9	22

DB25 to DB9 Conversion:

Signal	DB25	DB9
TMT	2	3
RCV	3	2
RTS	4	7
CTS	5	8
DSR	6	6
GND	7	5
CD	8	1
DTR	20	4
RI	22	9

RCS Centronics Parallel to PC Parallel connector

Location: _____

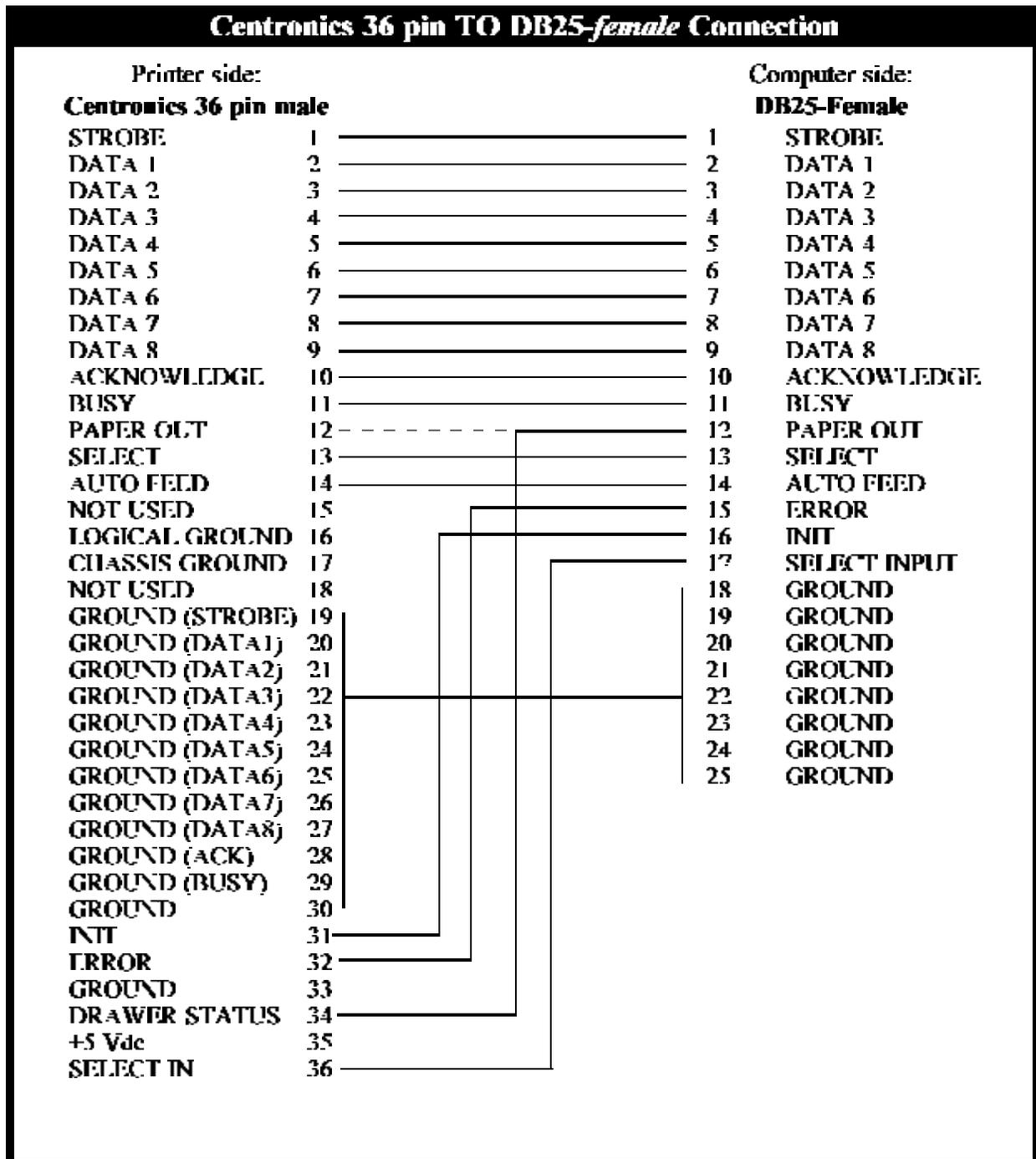
Date: _____

Comments: _____

This cable is usually purchased as a premade cable in fixed lengths.

Premade cables do not include the Drawer Status line as it is a non-standard connection. If the Drawer status is required, this cable must be constructed as follows:

Note: This is a standard cable except that the printers pin 34 is connected to the computers pin 12. If a premade cable has a removable cover on the printer side, the wire at pin 12 can simply be moved to pin 34.



RCS Troubleshooting Wiring

TWISTED PAIR ETHERNET

Problems with the network

Problems with the network that will be discussed are:

- Single terminal not responding to network
- All terminals not responding to network

SINGLE TERMINAL NOT RESPONDING TO NETWORK

Check to see if the light on the hub is “ON” for the terminal:

- If the light is on, that usually means the connection is good. The problem is either in the card or the config/autoexec setups.
- If the light is not on, anything could be wrong. Work through the following check list to determine the problem.

Check the Network line (Twisted Pair wire):

- Make sure the Network line is securely connected to both the Network Card and the Network hub.
- Try using a different Twisted Pair wire that is known to be good (i.e., it works with a different terminal).

Check the Network Card:

- Is it securely seated in the Riser or Main Board on the Computer? Is the Riser securely seated?
- Try the Net Card in a different slot. If it works, this may mean that the Riser is bad.
- Try using a Net Card that is known to work. Do you have the 16-bit Net Card in an 8-bit slot? This usually won't work.
- Are “autoexec.bat” and “config.sys” setup correctly. Try using a boot disk that is known to work.
- Is the Network Card set on the correct IRQ?

Check the Network Hub:

- Try connecting the Net Line to a different spot on the hub.

**There is usually not a problem with more than one thing (the Net Card and the Net Line) but it is possible. If you believe both are bad, they will have to be tested on other computers to determine if they work or not.

ALL TERMINALS NOT RESPONDING TO NETWORK

If none of the terminals are responding to the network, there are three possible reasons:

The Fileserver network card or Network line is not working:

- Check all of the above steps on the Fileserver.

The Network Hub is not working:

- Make sure the lights are on the hub. If the hub is getting power and no lights are on, this is a probable cause of Network failure. Try a hub that is known to work.

All of the Boot Disks are bad:

- Try Boot Disks which are known to work.

SERIAL AND PARALLEL PRINTERS

Printer Problems

Printers which work sporadically or do not work at all could be caused by:

- Faulty Printer Wiring
- Faulty Printer
- Improper RCS Back Office (Printer) Setup

WARNING: Serial printers and parallel printers cannot be interchanged.

Faulty Printer:

- Make sure the printer is on.
- Make sure the “On Line” light is on.
- Make sure the “Feed” button works.
- Initiate the printer’s self-test. Self-test is often performed by holding down the “FF” button while turning the printer on. If this does not work, consult the printer’s manual.

Faulty Printer wiring:

- Connect a working printer to the (faulty) printer wire. Make sure both printers are of the same type (i.e., both serial or both parallel).
 - If the second printer does not work, the wiring is bad. Replace the printer cable or test it using a multimeter and fix all shorts.
 - If the second printer does work, the printer is bad.

Improper Back Office setup:

- Connect a keyboard to the terminal which the printer is connected to. Get out to DOS and copy a text file (txt) or a batch file (bat) to the PORT the printer is connected to (i.e., copy autoexec.bat com2). If the printer works, the problem is in the Back Office printer setup. Go through all settings for the printer and make sure they are correct.

Database Programming

RCS Menu Programming

Ease of Use

BUTTON LOCATION

When two or more Modifier Screens contain the same items, always place those items in the same location on each screen. PLAN AHEAD and use templates.

START SCREENS

A Start Screen should always be the Screen that the Job/Employee uses most often. “Main Lunch”, for example, might be the start screen for lunch servers. This is much easier for servers than to have to select “Main Lunch” from a general screen.

TIME FRAMES

Use Time Frames to limit when Items are available. Items which are served during limited times of the day (i.e. Lunch and Dinner) should always be limited by Time Frames. Limiting Items with Time Frames eliminates confusion and keeps servers from using Alpha Find to ordering unavailable Items (or the same item at a different price -- lunch price vs. dinner price).

SCREENS

Avoid cluttering screens. Sometimes it is much easier for the server to switch to a new button screen than to search for a button on a screen which is very cluttered. Group like items in logical screens (i.e., if a menu is large, make a screen for all chicken entrees, etc.).

Create separate modifier screens for each category of items, rather than making one huge modifier screen which encompasses all modifiers. In general, any item’s modifier screen should only have modifiers that pertain to the item. Keep “BUTTON LOCATION” (above) in mind when making screens.

Aesthetics

HELP LINE

Keep “Help Line” professional, short, and to the point. When using punctuation, such as question marks, use only one. Multiple punctuation is unnecessary.

Use lower case letters in Help Lines. Letters should be capitalized at the beginning of the Help Line. The first letter of each word may be capitalized if desired.

BUTTONS

Depending on the size of the button, names may be too long to fit on the button. Either shorten the button name or increase the size of the button so that this does not occur.

When creating or editing a SCREEN, always use the Arrange Button. It is easy to arrange buttons by pressing <ALT-S> on your keyboard, then clicking on “Arrange Buttons”. Buttons should always be neat and organized.

BUTTONS (Cont.)

Buttons which are grouped (by color or otherwise) should be consistent in size. Use the “Copy Size” and “Paste Size” functions. Button size should be logical, not random.

Avoid leaving Blank buttons (buttons with no names and which are not linked in the final database). Blank buttons are unnecessary, cluttering, and confusing.

Button names that are humorous or unprofessional should be avoided. Button descriptors should be clear, concise, and easy to understand. Whenever possible, use the same item and modifier names that the restaurant used before it purchased RCS-100.

Don't be afraid to use lower case letters in Button text, especially when there are many buttons on one screen. Letters should be capitalized at the beginning of the text. The first letter of each word may be capitalized if desired.

COLOR

Button colors should not be spread out randomly. Colors should always be grouped either by item type or in horizontal and vertical line(s).

A screen which contains only a few buttons which are the same color is normally fine. On the other hand, an entire screen filled with buttons of the same color is usually overwhelming. If, for example, the screen contains a long list of items in alphabetical order, split up groups of letters by color.

Avoid using colors which clash.

Quality Assurance

RESTAURANT DATABASE AUDITS

In the interest of quality assurance and consistency between dealers, RCS has the right to randomly require submission and approval of restaurant databases. This process is designed to aid both RCS and POS dealers for the common goal of customer service.

When a restaurant database audit is to occur, the Dealer will be notified at the time the purchase order is submitted. At least three days before installation, the Dealer will submit the restaurant database via the RCS BBS. RCS may make changes and suggestions to help follow RCS aesthetic standards. Aesthetic changes suggested by RCS must be adhered to (with restaurant approval).

RCS Special Item Codes

•Menu Buttons may be used for many purposes other than ordering items. All of the following codes may be used on buttons on any menu screen. These special item codes can be used to customize each restaurant for the greatest possible speed and efficiency.

USAGE: Set up a button as normal and label it. Use the *NEW ITEM* key to add a new item to your button. Leave all of the item blank except for the field specified below.

PREP DESC: !CLOSE TICKET!

Causes ticket to be closed as if server had pressed 'SEND/PAY/DONE' and then "CLOSE TICKET".

PREP DESC: !QUIT TICKET!

Causes ticket to be quit as if server had pressed 'SEND/PAY/DONE' and then "DONE".

CUST DESC: DELIVERYONLY - Causes the command to work only if delivery information exists.

PREP DESC: !NEXT TICKET!

Causes ticket to be quit as if server had pressed "QUIT/PRINT/PAY" and then "NEW TABLE". The following additional options can be used to modify the behavior (and can be mixed if necessary - with an '!' between each command - '!FT!GT!')

CUST DESC: !DO! - Causes the command to work only if delivery information exists.

CUST DESC: !FT! - Causes the command to go to the TABLE screen even if employee uses auto-fast mode.

CUST DESC: !GT! - Causes the command to require a table number other than FAST.

PREP DESC: !XFER TICKET!

Causes ticket to be transferred as if server had pressed "SERVER", "TRANSFER TICKET", "YES", [select server], "NEW TICKET", "NEXT TICKET" The following additional options can be used to modify the behavior (and can be mixed if necessary - with an '!' between each command - '!FT!GT!')

CUST DESC: !FT! - Causes the command to go to the TABLE screen even if employee uses auto-fast mode.

CUST DESC: !GT! - Causes the command to require a table number other than FAST.

BIN - If a number 'x' is present in this field, 'x' guest checks will be generated.

PREP DESC: !GOTOCASHIER!

Quits out of current ticket and goes straight into cashier mode under the current server's name. If the current server is not a cashier, it displays a warning and does nothing. When done, the server is returned to current ticket.

PREP DESC: !CANCEL ORDER!

Cancels the ticket *if* all items on the ticket have not yet been printed. Also clears order-type and delivery charges.

PREP DESC: !DELIVERY!

Brings up the delivery screen, same as hitting the DELIVERY button on the on-screen ticket.

PREP DESC: !EDIT TIP!

Allows selected payment to have tip added/edited.

PREP DESC: !VOID NOWASTE!

Voids selected item(s) with no-waste code. No manager or password is required.

PREP DESC: !VOID WASTE!

Voids selected item(s) with wastecode. No manager or password is required.

PREP DESC: !CLEAR POS!

Clears all seat positions/separate checks. Same as pressing the sequence: 'SELECT ALL' - 'SPLIT CHECK' - '0' - 'DONE'.

PREP DESC: !SET POS!

Allows current seat position/separate check # to be entered. If items are selected on ticket, they will be changed also. Same as pressing the built-in button: 'SPLIT CHECK'.

PREP DESC: !REPRINTCHRG!

Reprints charge slip for selected payment.

PREP DESC: !TAXEXEMPT!

Sets tax exempt status for the ticket. No manager or password is required.

PREP DESC: !CLRTXEXEMPT!

Clears the tax exempt status for the ticket. No manager or password is required.

PREP DESC: !RETURN!

Allows a return to be entered. Same as using built-in manager function 'RETURN'. No manager or password is required.

PREP DESC: !SEL ALL!

Selects all items on the ticket. Same as pressing built-in 'SELECT ALL'.

PREP DESC: !UNSEL ALL!

Unselects all items on the ticket. Same as pressing built-in 'UNSELECT ALL'.

PREP DESC: !SEL NEW!

Selects all items that have not yet been prep or guest printed.

PREP DESC: !NO SALE!

Opens the cash drawer. Cash drawer is only opened if server is allowed access to it.

PREP DESC: !TYPE!

Brings back the ticket type screen if the server/workstation uses one.

PREP DESC: !GUEST CHECK!

Causes the guest check to be generated.

PREP DESC: !EDIT BOWL!

When the next button linked to a bowl is pressed, the BOWLEDIT utility is initiated for that bowl.

PREP DESC: !FIND BIN#!

Causes a prompt “Enter Lookup #”. The item’s database is then searched for a matching entry in the BIN# field.

Note: The BIN# field will print at the prep printer.

PREP DESC: !FIND PLU#!

Causes a prompt “Enter PLU #”. The item’s database is then searched for a matching entry in the PLU# field.

Notes: - The PLU# field in the item record is initially preset to the internal item index number. The PLU# field is NOT a real PLU#, but generally behaves as if it is. As a result, when modifying the PLU# field it is possible to create a duplicate PLU#. This will not affect RCS, but may affect any third party inventory packages. If there is a duplicated PLU#, the item that is selected for this function is selected based on the following priority:

- 1: Any item where the PLU# has been modified from the internal index number.
- 2: If there are multiple PLU#’s found in rule #1, the one with the lowest internal index number is chosen.
- 3: If there are no matching PLU#’s from rule #1, then the internal index number is used.

CUST DESC: !DEV:xxxx!

PREP DESC: yyyyyyyyyyyyyyy

Sends the ASCII string y (14 chars max) to Device x. The character ‘ is converted to the terminal’s node number before being sent to the device. Currently, only printable characters may be sent in this manner.

CUST DESC: !OPEN DESC!

PREP DESC: ALPHA

Causes the item’s customer and prep descriptions to be entered by the employee as if it were an alpha-item. Works in Pizza Mode only.

CUST DESC: !USE PAYMENT!

PREP DESC: <payment name>

Causes payment specified by <payment name> to be initiated.

CUST DESC: !USE ADDDISC!

PREP DESC: <adddisc name>

Causes adddisc specified by <adddisc name> to be initiated.

CUST DESC: !USE PGROUP!

PREP DESC: <group name>

Causes printer group specified by <group_name> to be initiated.

CUST DESC:

PREP DESC: !CHANGE TABLE!

Allows the table number/name to be changed (same as pressing the table name at the top of the on-screen ticket).

CUST DESC:

PREP DESC: !CHANGE CUST!

Allows the number of guests to be changed (same as pressing the Guests area at the top of the on-screen ticket).

CUSTDESC: !CHANGE TAX!

PREP DESC: xy...

Allows existing items on a ticket to be altered to a different tax rate. All items currently charging tax rate 'x' are converted to charge tax rate 'y' instead. Tax rate ID numbers are 1 through 5, and are in the same order as listed on the 'TAXES' setup screen (ie. the first one on this screen is #1, the second is #2, etc.).

Note: This function will only work on items that are allowed to charge tax rate 'y' - to use this effectively, each item that may be affected must be set up to charge all possible tax rates, then use the job definition to limit the initial selection down to just 1 tax rate (or even none).

Reports Available

RCS Point of Sale Systems

REPORT OBJECT DEFINITIONS

Sales Summary: Brief Summary of Sales Totals, separated by open tickets, closed tickets, net sales, total sales, and accountable sales.

Sales Summary, No IRS info: Brief Summary of Sales Totals, separated by open tickets, closed tickets, net sales, total sales, and accountable sales. Does not include IRS sales information (reportable tips, etc.).

System Grand Totals: Running Total for restaurant taken from Sales Summary.

Area Summary: Sales Summary as separated by Area (Bar, Restaurant, etc.)

Station Summary: Sales Summary separated by each Terminal. Calculations are done based on Tickets closed at the terminal.

Cash Due: Total of all payments marked as CASH.

Bank Deposit: Total of all payments marked as Bank Deposit (Checks, Cash, Etc.)

Headings: Sales broken down by Department Heading.

Departments: Sales broken down by Department.

Order Types: Sales separated by Order Type (For Here, To Go, Etc.)

Heading/Entrees: Reports the number of entrees sold and the customer count for each Department Heading.

Entree Totals: Reports total number of Entrees sold.

Entree by Server: Reports the total number of Entrees sold by individual servers.

Entree by Period: Reports the number of Entrees sold by Time Period (i.e. Hourly).

Contest/Special Totals: Totals of all items sold which have been marked as Contest/Special

Contest/Special/Srv Lite: Separates out each Contest Special item and reports sales by server.

Contest/Special/Srv Full: Reports all available information for each Contest/Special item.

Non-Sales Totals: Total amount of all items marked as a non-sales item.

Non-Sales Detail: Itemized list of all non-sales items.

Tax Breakdown by Depts: Separates all taxes by department.

Tax Breakdown by Items: Separates all taxes by individual item.

Non-Taxable Sales Detail: Full detail on Tickets marked as Tax Exempt.

Taxable Coup/Disc/Comp: Itemized list of Coup/Disc/Comps which were taxed.

Payment Totals: Reports totals for each Payment Type.

Payment Tip Totals: Reports totals for all payments which include tips. Reports tip information separately for each server.

Payment Lite Detail: Separates out each individual Payment, giving the amount, ticket number, and the server name.

Payment Full Detail: Separates out each individual Payment giving ALL details collected for each payment.

Payment Lite W/Check Numbers: Includes Check #, Check amount, and Payment amount.

Coupon Totals: Reports Totals for each coupon type. Any of the Info fields that were used will be included.

Coupon Lite Detail: Separates out each individual Coupon, giving the amount of the Coupon, the ticket number it affected, and the employee who placed the order.

Coupon Full Detail: Separates out each individual Coupon, giving the amount of the Coupon, the ticket number it affected, the employee who placed the order, and all other data entered concerning the Coupon.

Discount Totals: Reports Totals for each of the Discounts.

Discount Lite Detail: Separates out each individual Discount, giving the amount of the Discount, the ticket number it affected, and the employee who placed the order.

Discount Full Detail: Separates out each individual Discount, giving the amount of the Discount, the ticket number it affected, the employee who placed the order, and all other data entered concerning the discount.

Comp Totals: Reports Totals for each of the Comps.

Comp Lite Details: Separates out each individual Comp, giving the amount of the Comp, the ticket number it affected, and the employee who placed the order.

Comp Full Details: Separates out each individual Comp, giving the amount of the Comp, the ticket number it affected, the employee who placed the order, and all other data which has been entered concerning the Comp.

Gratuity Totals: Reports Totals for each of the Gratuities.

Gratuity Lite Details: Separates out each individual Gratuity, giving the amount of the Gratuity, the ticket number it appeared on, and the employee the Gratuity goes to.

Gratuity Full Details: Separates out each individual Gratuity, giving the amount of the Gratuity the ticket number it appeared on, the employee who it goes to, and all other data entered concerning the Gratuity.

Service Charge Totals: Reports Totals for each of the Service Charges.

Service Charge Lite Details: Separates out each individual Service Charge, giving the amount of the Service Charge, the ticket number it appeared on, and the employee who ran the order.

Service Charge Full Details: Separates out each individual Service Charge, giving the amount of the Service Charge, the ticket number it appeared on, the employee who ran the order, and all other data entered concerning the Service Charge.

Alpha Item Totals: Reports the sales Totals for all POS Alpha entered items, as separated item type.

Alpha Item Details: In addition to the sales Totals for all POS Alpha entered items, this includes an itemized list of all Alpha entered items, the ticket number they appeared on, and the employee who entered the item.

Price Special Totals: Reports the total amount discounted for each Price Special.

Price Special Details/Items: Reports the total amount each menu item was affected by a Price Special.

Price Special Details/Departments: Reports the total amount each department was effected by a Price Special.

Product Voids Lite Detail: Reports each menu item or modifier Void. Includes the ticket number and the employee who approved the Void.

Product Voids Full Detail: Reports each menu item or modifier Void. Includes the ticket number the employee who approved the Void, and the reason entered at the time of the Void.

Other Voids Lite Detail: Reports each payment, gratuity, discount or comp which was Voided. Includes the ticket number and the employee who approved the Void.

Other Voids Full Detail: Reports each payment, gratuity, discount or comp which was Voided. Includes the ticket number, the employee who approved the Void, and the reason entered at the time of the Void.

Subtotal Tans. By Server: Reports total of transactions which took place after the Subtotal button was used by the server. Separated out by server.

Delete after Subtotal All: Reports detail on each transaction which took place after the Subtotal button was used.

Delete after Subtotal \$1: Reports detail on transactions (over \$1) which took place after the Subtotal button was used.

Delete after Subtotal \$2: Reports detail on each transactions (over \$2) which took place after the Subtotal button was used.

Delete after Subtotal \$5: Reports detail on each transactions (over \$5) which took place after the Subtotal button was used.

Server Sales: Reports total Sales for each employee.

All Server's Cash Due: Reports the Cash Due for each server.

All Server's Cash Due/Cashier: Reports the Cash Due for each server, minus all money that the Cashier has received for that server.

All Server's Payment Tips: One line report showing Total amount of tips which appear on Payments. No detail is given on this report..

All Server's Gratuities: Shows total Tips for each server. Separated out by the types of gratuity used.

All Server's Sales/Dept: Total sales for each server, separated out by Department.

All Server's Sales/Heading: Total sales for each server, separated out by Department Heading.

All Server's Transfers: Reports all Server's Transfers, including who transferred, who received the transfer, the amount of the ticket, and the ticket number.

Clocked-In Employees: Reports a list of all Clocked-In Employees for the closeout period, up to the time of the report.

Employee Hours: Reports a list of total hours per employee for the closeout period, up to the time of the report. Report includes Name of Server, Job performed, Time in/out, Total hours/pay/sales/tips, Credit sales, and Credit tips.

Employee Hours (Totals): Same report as "Employee Hours", but does not include Time in/out.

Employee IRS Sales/Tips: Report separated by employee. Includes Job performed, Sales, Tips, Credit Sales, and Credit Tips.

Employees on Break: Reports a list of all employees currently on a break (off the clock). This report does not include "Automatic Breaks".

Labor by Periods - Totals: Reports total labor cost for each defined time period.

Labor by Periods - Areas: Reports total labor cost for each defined time period. Also broken down by each Area.

Labor/Sales by Periods - Jobs: Reports Labor Totals, Sales Totals, and a Labor vs. Sales ratio, giving the labor percentage. Also broken down by each Job and each Job within an Area.

Sales by Time Periods: Reports total Sales for each of the specified Reporting Periods.

Item Usage: Reports a list of all Item Usage for the closeout period. Includes financial data.

Item Usage - No Sales: Reports a list of all Item Usage for the closeout period. Does not include any financial data.

Item Usage (mix Plu#'s): Reports a list of all Item Usage for the closeout period. Does not include any financial data. This report combines like PLU#'s

Items w Mgr 'Edit Price: Reports detail on all items which had their price altered by using the Manager Function "Edit Price".

Items by Screen: Reports Items sold separated out by the menu screen they came from.

Items by Screen (No Alpha): Reports Items sold separated out by the menu screen they came from. Does not include Alpha ordered items.

Ingredient Usage: Reports total Ingredient Usage for the closeout period.

Pull-Tab (lottery) Status Report: Shows status of all Lottery Bowls in system. Reports Quantity of tickets sold, Total sales, Payouts and Dollar amount of profit or loss for each bowl.

Pull-Tab (lottery) Winners: List of all pull-tab winners and amounts won. Automatically included in Lottery Bowl report.

Tickets: List every Ticket in the RCS system for the closeout period. Information for each Ticket includes the Ticket number, totals, and server name or number.

Tickets with Payment Information: Reports the same thing as "Tickets", but adds a second line to show the Payment type used.

Open Tickets: List every OPEN ticket in the RCS system for the closeout period. Information for each ticket includes the ticket number, totals, and server name or number.

Non-Zero Tickets: List every ticket in the RCS system with a non-zero balance. Information for each ticket includes the ticket number, totals, and server name or number.

Reopened Tickets: Reports a list of all the tickets that have been closed and then reopened.

TOGO Tickets: Reports a list of all tickets declared as "TO-GO" tickets by a server.

Employee Meal Tickets: Reports totals for all employees meals and lists each employee meal ticket individually.

Tickets Not Guest Printed: Reports all tickets which have not had a guest check printed.

of Delivery Tickets: A one line report which simply indicates the number of delivery orders which have been taken.

Delivery Tickets: A detailed report of all delivery tickets. Includes Check numbers, Server who took order, Total amount, Total due, Time order taken, and Time check closed.

TRAIN: Sales Summary: Brief Summary of Sales Totals, separated by open tickets, closed tickets, net sales, total sales, and accountable sales.

TRAIN: Server Sales: Reports total Sales for each employee.

TRAIN: Tickets: List every Ticket in the RCS system for the closeout period. Information for each Ticket includes the Ticket number, totals, and server name or number.

Many of reports can be limited by the following options:

Areas: Limit to individual Areas of the restaurant (i.e. Bar only)

Time of Day: Limit to specific time of day (Lunch, or 1:00 to 1:45)

Departments: Limit to specific restaurant Departments

Cash Drawers: Limit to transactions at specific Cash Drawers

Disc/Coup/Grat: Limit to specific Discounts, etc. (only report Senior Discount)

Payments: Limit to specific Payments (Checks only)

Order Types: Limit to specific Order Types (Delivery only)

Terminals: Limit to specific Terminals (All transactions at Bar Terminal)

Employees: Limit to specific Employee (All transactions by employee)

Jobs: Limit to specific Jobs (Cocktail only)

Departments: This list is used to specify which departments will be included in this report. All highlighted departments will be included. If no items are selected, all will be included. This feature will work for all Department reports, Items Used, and Ingredients Used reports.

Cash Drawers: This list is used to specify which cash drawers will be included in this report. All highlighted cash drawers will be included. If no items are selected, all will be included. This feature will work with all Payment reports.

Disc/Coup/Grat: This list is used to specify which discounts, coupons, comps, and gratuities will be included in this report. All highlighted disc/coup/grats will be included. If no items are selected, all will be included. This feature will work with all Disc/Coup/Comp/Grat reports.

Payments: This list is used to specify which payment types will be included in this report. All highlighted payment types will be included. If no items are selected, all will be included. This feature will work with all Payment reports.

Card Types: This list is used to specify which credit card types will be included in this report. All highlighted credit card types will be included. If no items are selected, all will be included. This feature will work with all Payment reports.

RCS Report Format Examples

The following pages contain examples of a small selection of available RCS Reports. Many of the included examples show only the first few lines of the complete report. Amounts and Totals will not be consistent between reports.

RESTAURANT: RCS Demo
 RUN TIME: 06/20/97 09:24AM
 DATE:Sun 05/11/97 #01

**** SALES SUMMARY ****

672 Customers at \$16.74 per Customer
 297 Tables, \$37.88 per Table
 (35.85 minutes per table)
 1st Open: CK#00001 at 11:30
 Last Open: CK#00297 at 00:15
 Last Close: CK#00286 at 00:54

100.00% of all sales.
 100.00% of area total sales.

0	Total open tickets:	\$	0.00
297	Total closed tickets:	\$	11565.25
	Voids:	\$-	314.30
			<hr/>
	TOTAL SALES:	\$	11250.96
			<hr/>
	ACTUAL SALES:	\$	11250.96
			<hr/>
	NET SALES:	\$	11250.96
	Non-Taxable Items:	\$-	85.40
			<hr/>
	TAXABLE SALES:	\$	11165.56
	INCLUDED*:	\$	921.17
	Total Rounding:	\$	-0.12
	Non-Taxable Items:	\$	85.40
			<hr/>
	TOTAL COLLECTED:	\$	12172.00
			<hr/>
	TOTAL ACCOUNTABLE:	\$	12172.00

Server Sales Reportable To IRS:

NET SALES:	\$	11250.96
		<hr/>
SERVER IRS SALES:	\$	11250.96

CASH DUE

	TOTAL ACCOUNTABLE:	\$	1938.60
1	PUB COUPON:	\$-	5.00
2	TIP TENDERED:	\$-	75.00
1	HOUSE CHARGE:	\$-	169.52
2	GC REDEEMED:	\$-	75.00
1	CHECK:	\$-	313.32
3	CREDIT CARD:	\$-	557.16
	TOTAL CASH DUE	\$	743.60

BANK DEPOSIT

	CASH DUE	\$	743.60
	TOTAL BANK DEPOSIT	\$	743.60

SALES BY HEADINGS

<u>Dpt Heading</u>	<u>Qty</u>	<u>TotSales</u>	<u>NetSales</u>	<u>%</u>
BEER	55	87.50	82.85	4.88
FOOD	180	1137.55	1124.32	63.4

SALES BY DEPT

<u>Department</u>	<u>Qty</u>	<u>TotSales</u>	<u>NetSales</u>	<u>%</u>
BTL BEER	14	20.25	20.25	1.13
BTL WINE	8	285.00	285.00	15.9

NON-SALESDetail

GIFT CERT	#0117	SRV: JOHN F.	\$	50.00
CASH OUT	#0192	SRV: JOHNSON	\$	25.95

CONTEST ITEMS / SERVER

Server	Qty	Tot Sale	Net Sales
WENDY L.	3	9.00	9.00
KIMBERLY R.	9	27.00	27.00

ENTREE TOTALS

Qty	Item Desc	Entr	TotlSale	Net Sale
2	PORTERHOUSE	4	100.00	100.00
2	PETITE/SHRIMP	2	44.00	44.00

ENTREES / SERVER

Server	Qty	Tot Sale	Net Sale
WHITMAN T.	30	437.30	437.30
WENDY L.	5	113.90	111.60

PAYMENT DETAIL LITE

CHK#	Payment	Server	Total	Chng/Tip
0001	CASH	ERNESTO	65.41	0.00
0002	CREDIT C	KIMBERLY	149.31	20.00

PAYMENT DETAIL FULL

CHK#0001 SRV:ERNESTO M. TBL:5
VISA/MC TIME 01:58 TOTL: 48.75
ACCT#9398000033339999
EXP: 09/96
NAME: JOHN SABERNANDER

CHK#0002 SRV:KIMBERLY R. TBL:12
CHECK TIME 01:56 TOTL: 129.31
DATA:ODL9909339

COUPON TOTALS

Qty	Description	Amount
1	ENTERTAINMENT BOOK	5.00
3	G-T ADVERTISEMENT	23.85

COUPON DETAIL FULL

CHK#0014	TBL:49	23:57	5.95
ENTERTAINMENT	SRV:ERNESTO	MGR:	
DATA: ENT97315			

DISCOUNT TOTALS

Qty	Description	Amount
1	1ST TIME VALUE	2.30
1	BDAY DISC	5.74

DISCOUNT DETAIL FULL

CHK#	Discount	Server	Table	Total
0001	BDAY DIS	ERNESTO	5	5.74
0005	1ST TIME	WENDY L	1	2.30

COMPTOTALS

Qty	DescripDtion	Amount
1	MANAGER MEAL	11.80
1	POOR SERVICE	27.95

COMPDETAIL FULL

CHK#0094	TBL:LAURA	18:15	-11.80
MANAGER MEAL	SRV:SCOTT W	MGR:JOHNSON	
-LAURA & BOB			

GRATUITY TOTALS

Qty	Description	Amount
2	20% GRATUITY	64.06
1	SERVICE CHARGE	24.20

GRATUITY DETAILS FULL

CHK#0009	TBL:FAST	16:49	64.06
20% GRATUITY	SRV:WHITMAN T.	MGR:	
CHK#0033	TBL:19	20:44	20.74
20% GRATUITY	SRV:ERNESTO	MGR:JOHNSON	

SERVER SALES

Server	Job	TotlSale	Net Sale	CstAvg
WHITMAN	DINNER	708.65	708.65	23.91
KIMBERL	DINNER	184.60	184.60	30.77

ALL SERVER TRANSFERS

From	To	CHK#	Totl Net	Use Net
WHITMAN	ERNESTO	0012	103.70	103.70
ERNESTO	WHITMAN	0007	214.32	0.00

EMPLOYEE HOURS

B	Employee	Job	In	Out	Hours
	SMITH	BARTENDER	13:25	16:20	2.92
*	JOHNSON J.	DINNER SE	13:59	16:26	2.20

LABOR BY JOBS

Period/Area/Job	# Emp	Hours	Cost
11 AM - 12 PM	19	19.00	99.74
-Kitchen	19	19.00	99.74
--VALET	1	2.75	16.50
--LINE	18	16.25	83.24

LABOR BY JOBS

Period/Area/Job	# Emp	Hours	Cost
11 AM - 12 PM	19	19.00	99.74
-Kitchen	19	19.00	99.74
--VALET	1	2.75	16.50
--LINE	18	16.25	83.24

LABOR/SALES BY JOBS

Period/Area/Job	Sales	Labor	%
11 AM - 12 PM	119.55	99.74	83.43
-Kitchen	119.55	99.74	83.43
--VALET	0.00	16.50	0.00
--LINE	119.55	83.24	69.63

SALES BY PERIODS

Period	Qty	Total	Net
01:30-02:00	88	798.90	788.60
02:00-02:30	289	930.50	916.83

ITEMS USED

FOOD --> DIN ENTREE

Item	Sold	VdW	VDN	TotlSale	%
CORNISH HEN	1			15.95	0.89
FILET MIGN	3			68.85	3.84

INGREDIENTS

INGREDIENT	QTY	UNITS	COST
CAJUN SPICE	5.00	TSP.	0.35
CHICKEN BREAST	2.00	EACH	1.66

ALL TICKETS

CHK#	TABLE	SERVER	TOTL COL
00001	5	ERNESTO M	65.41
00002	12	KIMBERLY R	129.31

ALL TICKETS AND PAYMENTS

CHK#	TABLE	SERVER		TOTL COL
00001	5	ERNESTO M.		65.41
			** CASH **	- 65.41
00002	12	KIMBERLY R.		129.31
			** CREDIT CARD **	- 149.31
			** TIP TENDERED **	- 20.00

RCS Net sales itemization report

Discrepancy in line item Net Sales amounts versus Net Sales Totals occur when included taxes are used. This is a normal part rounding. Because of their small size, included taxes must be internally kept to 5 decimal places. Any report that displays a breakdown (with 2 decimal points) involving an included tax is subject to rounding errors such as this.

Sample Data:

TotSales NetSales Actual Figure

12.50	12.50	12.500	
345.00	325.00	325.000	—20.000 (Comp)
21.00	20.66	20.657	—0.343 (Included tax)
0.00	0.00	0.000	
112.50	110.09	110.087	—2.413 (Included tax)
491.00	468.24	468.244	

NetSales figure without rounding

Appears to add up to 468.25 due to rounding

Graphic Conversion, Configuration Settings

RCS Graphics Conversion

PCX2ICON.EXE

Converts PCX format picture files into icon files usable by RCS POS.

USAGE: PCX2ICON [prompt] [win] <filename> [filename] [...]

- prompt** - Waits for a keypress after each conversion.
- win** - Specifies that the file's colors already use the RCS WIN style colors.
- filename** - The filename (without the .PCX extension) of the graphics to be converted.

- The resulting icon file is saved as \rsc\icons\<filename>.ICN
- Filenames may contain wildcards (*).
- Filenames must contain the entire DOS PATH.

IMG2ICON.EXE

Converts borland style IMG format picture files into RCS format icons.

USAGE: IMG2ICON <filename> [filename] [...]

- The file <filename> (without the .IMG extension) is converted and saved as \RCS\ICONS\<filename>.ICN
- Filenames containing wildcards are expanded to all matching files.

ICON2PCX.EXE

Converts RCS format icon files to PCX format.

USAGE: ICON2PCX [/LOOK] <filename> [filename] [...]

- The file <filename> (without the .ICN extension) is converted and saved as \RCS\PCX\<filename>.PCX
- Filenames containing wildcards are expanded to all matching files.

After each screen is filled, the program will pause:

- Press 'S' to save the entire screen as a PCX file (\RCS\PCX\SCRNXXXX.PCX)
- Press any other key to continue the process.

If the option /LOOK is specified, the individual PCX files will not be generated (You can still save the whole screen though).

RCS Graphics Conversion (cont.)

PCX2EPS.EXE

Converts PCX file to Epson TM-T8x printer specific image file.

- The input PCX file must be converted to Black and White (Monochrome or 1 bit).
- If supported, the resolution should be set to 180 pixels per inch.
- The image size in the horizontal direction must be limited to a maximum of 500 pixels
- The image size in the vertical direction is dependent on the horizontal size. You can use the following equation to determine the allowable vertical size: $Y=83904/X$
- The image size must be less than 83,904 sq. pixels (approx. 2.5 sq. inches).

USAGE:

- Type PCX2EPS to start the program.
- Press 1 to set the Input File to your filename.
- Press 6 to convert the image and display it on-screen.

If the image is too large, a message will display that the image was truncated to fit.

If the image is not a 1 bit black and white, an err message will be displayed, and the file will not be converted.

- If you have a printer connected, you can test the converted image by setting the port, and then sending the image to the printer. If nothing appears, or a series of 'garbage' data appears, the image was not converted correctly, and usually means that the PCX image is still too large.

RCS PROGRAM SETUP:

- Copy the converted file (with the .BIT extension) to the \RCS\PRNDEFS directory.
- In the printer device setup, type in the image filename without the .BIT extension.

ISSUES/NOTES:

- If the printer is turned off at any time, the image will be lost from the printer's memory. If this occurs, there is a manager option to re-send the image to the printer's memory. If a manager is not available, restarting the terminal will also reload the printer memory.

RCS Delivery Import Utility

Files: \RCS\DLVRIMP.EXE - Delivery import utility
\RCS\SPECFILE.INI - Database format specification file

The delivery import utility works with comma delimited ASCII files. The database that you use to provide the phone numbers and addresses must be capable of exporting to this format.

The following fields are used: Phone number, Extension, Name, Address, City, State, Zip, and Phone number. The database may export additional fields - they will be ignored by import utility.

The following example is the format used by PhoneDisc:

```
"ERIC NOEL","1111 SE 11TH AVE ","PORTLAND","OR","97111","503-711-1111","R","000000"
```

The default settings in SPECFILE.INI are set up for PhoneDisc. If the database that you are using uses a different format, you will need to modify the settings in this file to match your data. See the SPECFILE.INI file for details.

You should name the export file created by your database as CUSTOMER.TXT and save it to the \RCS directory on the fileserver. You can also choose to use a different name if you are creating multiple export files for different zip codes. If you use a different filename, you will need to specify it when you run the DLVRIMP utility.

If you saved the data file as CUSTOMER.TXT, switch to the \RCS directory on the fileserver and type DLVRIMP to initiate the import process. If you have used a different filename, you will need to type DLVRIMP <filename>, where <filename> is the name you chose.

NOTES:

- *The import process can be lengthy, and adds considerable network traffic, so it is a good idea to do this process after hours or overnight.*
- *Read the database license carefully, as it may require that the restaurant purchase their own copy or copies of the database even though the data has been exported into a different format.*

RCS Barcode Printing

The Check or /Pickup # may be printed in Barcode at the bottom of the guest check or prep ticket.

A CHECK # Barcode on the bottom of the customer's guest check can be used by the Cashier. When a Cashier scans the guest check, the On-Screen ticket automatically comes up so payment can be made.

A PICKUP # Barcode on the prep ticket can be used in combination with delivery drivers to automatically bring up and transfer the ticket to the driver.

Hardware Requirements: The printer that will be used must support a barcode format that the scanners you will be using will also support. The Epson TM-T8* series is a good example of a printer that prints several barcode formats.

The barcode scanner must have a wedge interface to the keyboard port, and needs to be set up to send only the barcode data (ie. Start and Stop sentinels, and the check digit should be removed).

Although the barcode format is user-defined, we recommend that the 'Code 39' or 'Code 3 of 9' format be used.

Implementation:

The printer definition file (PRNDEF) needs to be set up to allow barcode printing. Click on MAINTENANCE from the main screen, then NEW/EDIT PRNDEF. Select the printer type you will be using and click on NEW/EDIT. Scroll down to the BARCODE ON, MORE BARCODE ON, and BARCODE OFF settings. The first 4 bytes of the BARCODE ON setting determine the format required by the printer, and control whether or not the start and end sentinels, and the check digit are used.

BARCODE ON:

BYTE #1: Format required by printer
1 = <start string> <barcode data> <data count> <end string>
2 = <start string> <data count> <barcode data> <end string>
3 = <start string> <barcode data> <end string>

BYTE #2: Starting Sentinel
1 = Do not use start sentinel
n = ASCII code of character to print
42 = '*' character (Start sentinel for Code 39)

BYTE #3: Ending Sentinel
1 = Do not use end sentinel
n = ASCII code of character to print
42 = '*' character (End sentinel for Code 39)

BYTE #4: Check digit
1 = Do not use check digit
2 = Use Mod43 check digit

BYTE #5 - 7: Printer <start string> code to turn on barcode printing

MORE BARCODE ON:

BYTE #1 - 7: Additional <start string> codes

BARCODE OFF:

BYTE #1 - 7: Printer <end string> codes to turn of barcode printing

Example:

*These are the Code 39 settings for Epson TM-T80 and TM-T85 thermal printers:
(using '*' starting and ending sentinels, and Mod 43 check digit)*

	Byte:	1	2	3	4	5	6	7
BARCODE ON:		3	42	42	2	29	107	4
MORE BARCODE ON:								
BARCODE OFF:		0						

RCS Manual Closeout

- Make a backup of the following restaurant files:

- \RCS\CHECKS*.*

- \RCS\CONFIG*.DTA

- \RCS\RCREDIT*.DTA (Only for restaurants with RCREDIT)

- \RCS\RCREDIT*.BAK (Only for restaurants with RCREDIT)

- After a backup has been made, copy the files to Dealer's Computer (with RCSRUN.EXE)

- Delete Dealer's CHECKS and CONFIG directories.

- Copy Restaurant's CHECKS directory to Dealer's CHECKS directory.

- Copy Restaurant's CONFIG directory to Dealer's CONFIG directory.

- Do the Closeout on Dealer's Computer.

- RCS will settle all Credit Card Batches (if necessary).

Usually when there is a problem, it is caused by one of the reports in the automatic report. To get the Closeout to work properly at the restaurant, disable the report groups that are executed at closeout (Auto-Execute). When closeout succeeds, turn the group back on.

RCS Example Closeout Batch File

```
@echo off
REM *****
REM ** EXAMPLE CLOSEOUT BATCH FILE FOR RCS POS      **
REM **                                              **
REM ** This example shows typical things that you might/can **
REM ** accomplish with this batch file.           **
REM **                                              **
REM *****
REM ** Created:      12/16/96                      **
REM ** Modified:     2/18/97                      **
REM *****
REM ** Fields supplied to this batch program:      **
REM ** %1 - mmddynn Date of the closeout file     **
REM ** %2 - mm      2 digit month of the closeout file **
REM ** %3 - dd      2 digit day of the closeout file  **
REM ** %4 - yy      2 digit year of the closeout file **
REM ** %5 - nn      2 digit number of the closeout file **
REM **                                              **
REM ** The closeout file is named \RCS\STORAGE\%1.DTA **
REM ** The sales mix file is named \RCS\STORAGE\%1.MIX **
REM ** Other file names can be created as needed by using **
REM ** the %2-%5 fields.                          **
REM *****
```

```
REM Show the user what is happening...
echo =====
echo      SYSTEM CLOSEOUT
echo =====
echo Closeout on:   %2/%3/%4 #%5
echo Closeout file: %1.DTA
echo Sales mix file: %1.MIX
echo =====
```

```
REM Compress the storage file before transmitting it:
echo Compressing closeout file...
zip \%1.SSS \rcs\storage\%1.DTA
```

```
REM If the sales mix file exists, compress it too:
if exist \rcs\storage\%1.MIX goto mix
echo \rcs\storage\%1.MIX does not exist.
goto cont
```

```
:mix
echo Compressing sales mix file...
zip \%1.SSS \rcs\storage\%1.MIX
```

```
REM Once the daily files have been compressed, send the compress file
REM to the main office via a PCAnywhere script:
:cont
echo Sending closeout data to main office...
echo Initiating AWREMOTE...
echo awremote -M=P -N=<host/procedure> \%1.SSS
```

```
REM !!!!!DON'T INCLUDE THE 'PAUSE' IN LIVE VERSIONS OF THIS FILE!!!!
pause
```

RCS.INI Configuration File for RCS.EXE

(4/17/97 Version 4.5 Rev:03 and higher)

RCS.INI allows the customization of RCS.EXE back office software for the RCS-100 POS system.

Back office printer type and port selection

If the printer used at the back office is not an HP Laser or compatible, this setting will need to be set up in order to print reports correctly in condensed print mode. IBM, Epson, and HP Laser protocols are supported. Most printers, will support one or more of the above protocols.

Note: The environmental variable RCS_MKR_PRINTER is no longer required. However, if it is used, it will override the setting in the RCS.INI file.

[Printer]

Port=LPT1 Allowed settings are LPT1,LPT2,LPT3,COM1,COM2,COM3,COM4

Type=HPLASER Allowed settings are HPLASER,IBM,EPSON

Back Office Menu Customization

The main menu for the back office can be completely customized, and can include links to other software packages (acting as a menuing program), such as payroll or inventory. Up to 10 sublevels may be defined to “hide” or protect areas of the back office from missuse. In addition, submenus can be password protected independently of the passwords assigned in SETUP.

Back Office Menu Setup

The first screen that will appear must be defined as [Main]. All other submenus can be named at will. Each menu or submenu is defined in a section that underneath it's title, such as [Main], or [Reports]. Within the menu's section, both buttons and text can be added:

Text on screen:

Text=TX,x-coordinate,y-coordinate

Button that initiates an RCS pre-defined function, such as EDIT MENU, TIMECARDS, etc. Commands ID's are listed on the reverse side of this document:

Text=BC,top x,top y,bottom x,bottom y,Command ID

Button that initiates a sub-menu that you define. 'Link Name' is the section's title in the RCS.INI file, such as [Reports]. 'Password' is optional - if not specified, no password will be required.

Text=BL,top x,top y,bottom x,bottom y,Link Name>Password

Button that initiates a Dos program that you specify. 'Program Name' is the command line required to start up the program. 'Password' is optional - if not specified, no password will be required.

Text=BP,top x,top y,bottom x,bottom y,Program Name>Password

NOTES:

All x-coordinate values must be in the range of 3 through 77.

All y-coordinate values must be in the range of 9 through 43.

top x,top y,bottom x, and bottom y specify the coordinates of a rectangle.

EXAMPLE (not complete)

[Main]

This is my Custom Menu=TX,29,10

Edit Menu=BC,25,12,55,14,19

Edit Specials=BC,25,16,55,18,20

Employee Maintenance=BL,25,20,55,22,Employee,1234

Reports=BC,25,24,55,26,22

File Maintenance=BL,25,28,55,30,Maint,1234

Advanced Configuration=BL,25,32,55,34,Advanced,1234

DOS Shell=BP,25,36,55,38,COMMAND.COM,1234

[Employee]

Edit Employee=BC,30,20,50,22,19

Edit Jobs=BC,30,24,50,26,20

[Reports]

[Maint]

[Advanced]

Command ID codes:

1	PRINTERS	12	EMPLOYEE INFO
2	DEPARTMENTS	13	TIMECARDS
3	TIME FRAMES	14	PAY TYPES
4	PRICE SPECIALS	15	MAIL
5	SETUP	16	BACKUP
6	TAXES	17	RESTORE
7	GRAT/DISCS/COMPS	18	MAINTENANCE
8	PAYMENTS	19	EDIT MENU
9	JOBS	20	CHANGE SPECIALS
10	DEVICES	21	REPORT SETUP
11	DELIVERY	22	REPORTS

RCS SCHEDULE.INI

The file 'SCHEDULE.INI' is always the current schedule file.

Defaults

The [Defaults] header can be used to set defaults for how early or late employees may clock in and out without needing manager approval. When the following defaults are specified, these fields are not required on each individual entry.

[DEFAULTS]

- inbefore** - *Optional.* If defined, overrides default value. # of minutes before scheduled shift that employee is allowed to clock in without manager approval (use 0 for don't care).
- inlate** - *Optional.* If defined, overrides default value. # of minutes late that employee is allowed to clock in without getting a manager's approval (use 0 for don't care).
- outearly** - *Optional.* If defined, overrides default value. # of minutes before scheduled end of shift that employee is allowed to clock out without manager approval (0 for don't care).
- outlate** - *Optional.* If defined, overrides default value. # of minutes after scheduled end of shift that employee is allowed to clock out without manager approval (use 0 for don't care).

In addition, should any of the early/late parameters be exceeded, the system can be set up to automatically generate warnings or notes in the employee's file, or log the transaction to a daily scheduling log file that can be monitored by a manager. *Note: The following options cannot be set for individual employees. They can only be used as default values.*

Options: IfInBefore = <parameters>
IfInLate = <parameters>
IfOutEarly = <parameters>
IfOutLate = <parameters>
IfNoShift = <parameters>

Parameters: Warning, Note, Log, *

*More than one parameter can be used if separated by a comma. If parameter is marked with a *, manager will be able to choose whether or not to use the parameter each time.*

Shift Header

Each day and shift has a separate [header] in the following format:

[MM/DD/YY#X]

MM: 2 digit month

DD: 2 digit day of the month

YY: 2 digit year

XX: Shift number (1-5)

Employee Shift Parameters

Within each [header], the each employee who will work should be listed as
emp#=name,in,out,job,inbefore,inlate,outearly,outlate

- emp#** - RCS Internal employee #
- name** - For readability only - not used by RCS
- in** - Time scheduled in
- out** - Time scheduled out
- job** - RCS internal job# employee is scheduled for. Use 0 for don't care.

Sample SCHEDULE.INI file

[DEFAULTS]

InBefore=5

IfInBefore=Note*,Log

InLate=15

IfInLate=Warning,Log

OutEarly=0

IfOutEarly=Log

OutLate=5

IfOutLate=Note,Log

```
=====
;
;==                                MONDAY
==
```

```
=====
[11/12/97 #1]
```

```
00071=Charles Schwab,4:00a,8:00a
```

```
00089=Don Johnson,6:35a,7:35p
```

```
[11/12/97 #2]
```

```
00071=Charles Schwab,2:00p,7:00p
```

```
=====
;
;==                                TUESDAY
==
```

```
=====
[11/13/97 #1]
```

```
00071=Charles Schwab,4:00a,5:00p
```

```
[11/13/97 #2]
```

```
00071=Charles Schwab,6:00p,9:15p
```

```
00065=Phat Freddy,5:00p,7:00a
```

RCS Automatic Fileserver Backup

If the primary fileserver goes down due to a hardware failure, the backup terminal can be rebooted (without the floppy disk) and start up as the fileserver. When the fileserver has been repaired, data from the backup terminal must be manually copied back to the fileserver.

When setting up a terminal to be Backup Terminal, changes are made only to the backup terminal, not the fileserver or any other terminal.

Backup Fileserver Setup

The Following changes are necessary for a terminal to be used as a fileserver backup.

NOTE: The terminal must contain a floppy disk and a hard disk.

1. The terminal's BIOS should be set to boot from A: first and then from C:
2. The boot disk in A: should be a standard terminal boot disk with the exception of an additional line in the AUTOEXEC.BAT file: SET RCS_BACKUPSERVERTO=C:
3. The backup terminal's hard disk should be set up in a similar manner as the fileserver's hard drive (ie. DOS, network, AUTOEXEC.BAT, CONFIG.SYS, and all RCS program files should be identical to those on the fileserver).
4. From the Back Office Software main screen, click on the DEVICES button. Select the terminal which will be used as the backup and click on new edit terminal. In the "Fileserver Backup Frequency" field, enter the desired frequency for backup. Shorter frequencies (less than 5 minutes) retain more information but may slow the system down.

Using the Backup Terminal as Fileserver (Primary fileserver down):

1. Turn off the Fileserver and all terminals.
2. Eject the boot disk from the Backup Terminal
3. Restart the Backup Terminal
4. Turn all terminals back on (Do not turn primary fileserver back on!)

Adding Fileserver Back into System

1. Turn off all terminals.
2. Re-Insert Floppy disk into Backup Terminal
3. Turn on Primary fileserver and Backup Terminal (Do not allow Backup Terminal to be used at this time).
4. At the primary fileserver's dos prompt, copy the following directories from the Backup Terminal to the primary fileserver:

\RCS\CHECKS

\RCS\TIMECARD\CURRENT

In addition, any closeout files in the \RCS\STORAGE directory that were created while the primary fileserver was down should also be copied back to the primary fileserver.

3. Reset the primary fileserver and the Backup Terminal.

Export Formats

RCS Sales Mix Export File

Sales mix filename: \RCS\STORAGE\mmddyynn.MIX
mm - 2 digit month
dd - 2 digit day
yy - 2 digit year
nn - 2 digit closeout number, starting with 01 up to 99.

File format: ASCII, comma delimited, text in quotes. Each line contains one record. Each line is terminated with a CR/LF sequence. All numbers are base 10.

File information: The export file is created during the Closeout (Z) procedure. Up to 99 separate closeouts may occur during the day, however most restaurants perform the closeout once per day either as the first task of the morning or the last task of the night. The export file is not used or maintained by RCS-100 after it is generated. The inventory package should delete the file once it has been processed.

<u>Field Name</u>	<u>Type</u>	<u>Description</u>
PLU#	I10	RCS-100's internal PLU# for the item. This number can be programmed to match inventory numbers when necessary. There is a 'Setup' option to include alpha-items (one-time items that are manually entered at the POS, and do not have a PLU#) in the export file. If this is enabled, the PLU# will be 0 for these items.
Qty Used	D8	Total number of items that were used.
Voided	D8	Total number of items included in 'Qty used' that were not paid for due to being voided with the 'Waste' option.
Price	D9*	Current price for the item.
Amount	D9*	Total sales for this item.
RevCtr	I5*	Sales area or terminal ID (depending on 'Setup' option) where the item was sold. When this option is used, a plu# may be listed more than once as it will be listed separately for each revenue center it has been used in.
Item Description	S14	Item description, in "quotes". If item description contains quotes, they are removed.

I - Integer D - Decimal S - String n - max length * - Optional

Example 1, options set for PLU#,Qty Used,Voided,Item Description:

```
64,2,0,"Lasagna"  
66,2,0,"SPAGHETTI"  
1539,1,"Mondavi W.Z."
```

Example 2, options set for PLU# (allowing alpha-items),Qty Used,Voided,Price,Amount,Item Description:

```
64,2,0,5.99,11.98,"Lasagna"  
66,2,0,4.25,8.50,"SPAGHETTI"  
1539,1,0,15.95,15.95,"Mondavi W.Z."  
0,1,0,5.00,5.00,"TEST ITEM"
```

RCS Timecard Export File

The timecard export file is created on demand from the RCS Back Office Software. Generally, it is created after a timecard 'End-Of-Period' has been performed. To generate the export file, the user clicks on 'TIMECARDS', then 'REPORTS', then 'PAYROLL REPORT', and then 'EXPORT'.

- Timecard export configuration:** \RCS\CONFIG\EXPORTS.INI under section title [Timecards].
The first line should be Filename=drive:\path\filename, where drive, path, and filename specify the location and filename of the completed export.
Then, list each field to be included in the export in the order desired.
An example file is available on the BBS as 'TEXPORT.INI'
- Timecard export filename:** Specified in the export configuration file.
- Timecard export format:** ASCII. Quote and Comma delimited, Comma delimited, or Fixed Field Length. Each line contains one record. Each line is terminated with a CR/LF sequence.

Export file General Settings:

<u>Setting</u>	<u>Description</u>
[Timecards]	Section heading
Filename	Drive/Path/Filename of filename to export to
ExportType	Either 'Comma', 'CommaNoQ' (no quotes), or 'Fixed'
ExecuteBefore	Drive/Path/Filename of external program or batch file to execute before exporting
ExecuteAfter	Drive/Path/Filename of external program or batch file to execute after exporting

Fields available for each record:

- Notes:*
- The export file can be customized to include any of the fields, and in any order.
 - A/N Alpha-numeric
 - N Numeric, no decimal.
 - NDn Numeric, with decimal point, up to n decimal places.

<u>Field</u>	<u>Max</u>	<u>A/N</u>	<u>Description</u>
UserDef	20	A/N	For interface compatibility - Used to specify static information required by payroll import that is not available or provided by RCS
EmpName	30	A/N	Employee's name - Last First MI
EmpPayrollID	8	A/N	User definable code specific to each employee
EmpNumber	4	A/N	User definable code specific to each employee
EmpAddr1	30	A/N	First line of address information
EmpAddr2	30	A/N	Second line of address information
EmpCity	30	A/N	City
EmpState	2	A/N	State abbreviation
EmpZip	10	N	Zipcode
EmpPhone1	30	A/N	First line of phone information
EmpPhone2	30	A/N	Second line of phone information
EmpSSN	11	A/N	Social Security Number
JobName	14	A/N	Job name
JobPayrollCode	6	A/N	User definable code specific to each job
RegHours	9	ND2	Total number of regular pay hours
OTHours	9	ND2	Total number of overtime pay hours
RegRate	9	ND2	Current regular pay rate
OTRate	9	ND2	Current overtime pay rate
RegOTCode	20	A/N	Used to separate regular and overtime hours into separate records.
Hours	9	ND2	Used only in conjunction with RegOTCode setting
Rate	9	ND2	Used only in conjunction with RegOTCode setting
Days	5	N	Total number of days worked
Shifts	5	N	Total number of shifts worked
Sales	10	ND2	Total net sales
Tips	10	ND2	Total tips reported by server
CrSales	10	ND2	Total sales that were paid by credit card AND included a tip. Credit card sales that did not have a tip added are not included.
CrTips	10	ND2	Total credit card tips
Period	8	A/N	Last date of payroll period in format MM/DD/YY
YYMMDDPeriod	6	N	Last date of payroll period in format YYMMDD

Notes:

- When using fixed fields, each field must specify a length in the format: FieldName=<length>
- 'UserDef' field requires data which is passed through to the export file (see example).
- When using RegOTCode, the 2nd parameter is the data that will be passed through on the regular hours record, the 3rd parameter is the data that will be passed through on the overtime hours record (see example).

RCS Timecard Export File

Timecard Export File Example (comma delimited):

```
[Timecards]
Filename=\RCS\EXPORT\ADP.PAY
ExportType=CommaNoQ
UserDef=P
UserDef
EmpPayrollID
UserDef
UserDef
UserDef
UserDef
YYMMDDPeriod
UserDef
RegOTCode=6,7
UserDef
UserDef=9999
UserDef
UserDef
UserDef
UserDef
UserDef
Hours
```

Example output:

```
P,,1234,,,,990104,,6,,9999,,,,,40.00
P,,1234,,,,990104,,7,,9999,,,,,9.15
|      |      |      |      |      |      |
|      |      |      |      |      |      | - Hours (regular on first line, overtime on second)
|      |      |      |      |      |      | - User Defined Store #
|      |      |      |      |      |      | - Pay type code (6 for regular, 7 for overtime)
|      |      |      |      |      |      | - End date of payroll period YYMMDD
|      |      |      |      |      |      | - Employee payroll ID
|- User defined code
```

Timecard Export File Example (Fixed Length Fields):

```
[Timecards]
Filename=\RCS\EXPORT\CERIDIAN.PAY
ExportType=Fixed
UserDef=3,999
UserDef=6,123456
EmpPayrollID=6
RegOTCode=2,01,05
Hours=6
```

Example output:

```
99912345623    01 40.00
99912345623    05  8.77
-----*****-----**-----
|      |      |      |      |      |      |
|      |      |      |      |      |      | - Hours (regular on first line, overtime on second)
|      |      |      |      |      |      | - Pay type code (01 for regular, 05 for overtime)
|      |      |      |      |      |      | - Employee payroll ID
|      |      |      |      |      |      | - User defined Company Number
|- User defined Batch Number
```

RCS Payments Full Detail Export

Export filename: \RCS\EXPORT\PAYMENTS.DTA

Export format: ASCII. Each field is comma delimited and enclosed in quotes. Each record is separated by a CR/LF combination

Fields: Payment name, CHK#, Server Name, Table #/name, Transaction time, Transaction date, Total amount paid, Tip, amount, Field #1, Field #2, Field #3

Notes: Tip field is for reference only. The Total amount paid field already includes the tip amount

Fields #1-#3 are set up in the payment definition using RCS.EXE

Example: (Header is for readability only, it is not included in export file)

<u>Payment name</u>	<u>CHK#</u>	<u>server</u>	<u>table</u>	<u>time</u>	<u>date</u>	<u>charge</u>	<u>tip</u>	<u>field1</u>	<u>field2</u>	<u>field3</u>
"HOUSE ACCT"	"00056"	"JEN"	"23"	"11:30:10A"	"05/01/97"	"20.47"	"0.00"	"JOHN"	"123456789"	"JOHN DOE"
"HOUSE ACCT"	"00056"	"BOB"	"B3"	"12:45:07A"	"05/01/97"	"51.00"	"5.00"	"ERIC"	"125488976"	"OFFICE MACH."
"HOUSE ACCT"	"00057"	"JOE"	"A9"	"01:33:44P"	"05/01/97"	"25.00"	"8.79"	"DOUG"	"134485572"	"FRANKS SMITH"

Appendix

RCS-CREDIT Modem Settings

* Not all modems support these commands - refer to modem manual.

Modem must support the following basic commands:

ATZ - Soft Reset.
DT - Dial with touch-tone.
DP - Dial with pulse dialing
H0 - Hangup.

The following commands (or their equivalent) are REQUIRED for MODEMINIT:

&C1 - Make DCD follow actual state of modem carrier.
E0 - Disable command echo.
Q0V1 - Send verbose result codes.
X3 or X4 - X3 is faster as it does not wait for dial tone before dialing. If phone line is multipurpose, use X4 instead.

The following commands are required for 14.4 and higher modems:

%C0 or &K0 * Compression off.
&Q0 or &M0 * Direct mode, no speed buffering or error control

The following commands can help improve modem performance:

&D2 or &D0 - Modem disconnects if DTR is dropped. Some external modems require &D0 instead.
S0=0 - Make sure it won't answer telephone.
S7=5 - Carrier wait time (in seconds).
S9=5 - Carrier detect response time. Measured in 1/10 second units. Smaller numbers make a faster connection but increase the chances of an invalid connection.
S10=10 - Lost carrier to hangup delay. Must be greater than value in S9.
S11=50 - Use fastest DTMF tone duration.
M0 or M1 - Speaker control: 0 is off, 1 is on.
&A0 * ARQ result codes disabled
&B1 * Use fixed serial port rate
&H0 * Disable transmit flow control
N0S37=5 (or 6) * Set desired line connection to v.22 (1200bps) or v.22bis (2400bps). **If supported, N0S37=6 can reduce connect times by as much as 5 seconds!**
&N2 or &N3 * Set desired line connection to 1200bps or 2400bps.
%E0 * Disable line quality monitor.

The following commands can be added to the phone # to work with PBX systems, as necessary:

W - Wait for dial tone
, - Pause
! - Flash

Example MODEMINIT Commands:

For generic 2400 and lower modems: MODEMINIT=E0Q0V1X4S9=6S10=10S11=50&C1&D2
For generic 14.4 and higher modems: MODEMINIT=E0Q0V1X4S9=6S10=10S11=50&C1&D2% C0&Q0
Hayes Accura 33.6 External: MODEMINIT=E0Q0V1X4S9=6S10=10S11=50&C1&D2% C0&Q0N0S37=6
3Com/Us Robotics 56K external: MODEMINIT=E0Q0V1X4S9=6S10=10S11=50&C1&D2&A0&B1&H0&I0&K0&M0&N3
(Model #5686) - Requires RCS-CREDIT V2.49 and higher
- Dip switch settings: 1 2 3 4 5 6 7 8
Up Up Down Up Down Up Up Down

Testing a MODEMINIT string (v2.43 and higher):

To test a modem init string, use the TESTINIT instead of MODEMINIT, and separate each command with a space character. This will cause each command to be issued separately so you can see which commands are accepted by the modem.

Testing/Fine tuning the connection speed (V2.48 and higher):

Start RCS-CREDIT with the command line parameter 'TEST' (ie: RCREDIT TEST). This will start the program in a testing mode. All four authorization and settlement phone numbers specified in the config.dta will be dialed and connected. The time taken to connect is displayed for each phone #. The connect times should generally be 8 seconds or less for a properly tuned modem and a normal phone system.

RCS-HOTEL PMS Interface

(Conforms to Micros-Fidelio V1.08/V1.10. Requires additional license.)

Introduction:

RCS-Hotel is an interface between the RCS Restaurant Point of Sale (POS) System and a hotel Property-Management-System (PMS). The interface allows RCS-100 POS stations to charge an amount from the restaurant to a guests room folio maintained by the PMS system.

Hardware Requirements:

80386 or higher PC compatible

1MB RAM

Network Boot disk

Ethernet card

RS-232 serial port

Installation:

Install RHOTEL on the fileserver in the directory \RCS\RHOTEL (Use the included INSTALL program). If the serial port is not COM1 or COM2, edit the START.BAT file as directed within the file. Edit the file CONFIG.DTA to specify the com port and the store number. On the interface boot disk, add a line to AUTOEXEC.BAT to call the START.BAT program on the fileserver.

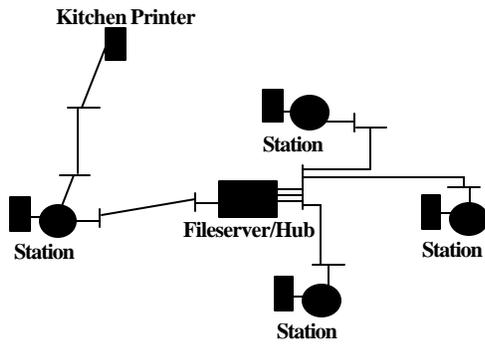
Usage:

The Server or Cashier selects ROOM CHARGE from the payments screen, enters the amount of the charge, enters the amount of the tip, and enters the guests room number or guest name. The PMS then searches for matching room number or name and returns all matches. The Server or Cashier then selects the correct name or room number.

Set up (Back Office Programming):

1. Add additional lines to the guest check footer for the customer to write in the guest name, room number, tip, and total lines.
2. In payments, click on NEW to add a new payment tender.
3. Fill in the new payment as listed on the next page.
4. Make sure that employees are allowed to use the new payment in their RCS FUNCTIONS definition screen.

RCS Printer Wiring



- PRN Adapter (RR12P25/RR12P9 or equivalent)
- MS Adapter (RC25R12/RC9R12/RJR45R12 or equivalent)
- RJ12 Keystone Jack (RR12K/RR12KS or equivalent)
- RJ45 Keystone Jack (RR45K/RR45KS or equivalent)
- Patch Cord
- Parallel printer cable

RJR45R12 (Cable to connect Javelin Wedge to RJ12)

