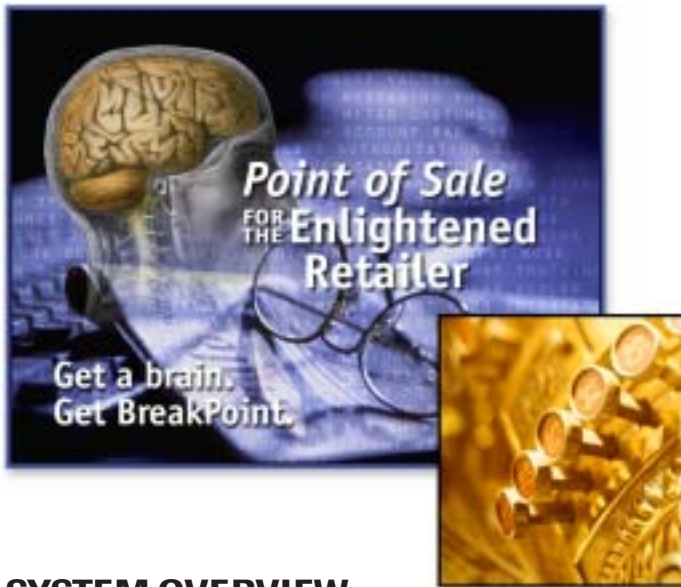# BREAKPOINT PRODUCT OVERVIEW
FEATURING BREAKPOINT 2K

BreakPoint Systems Corporation

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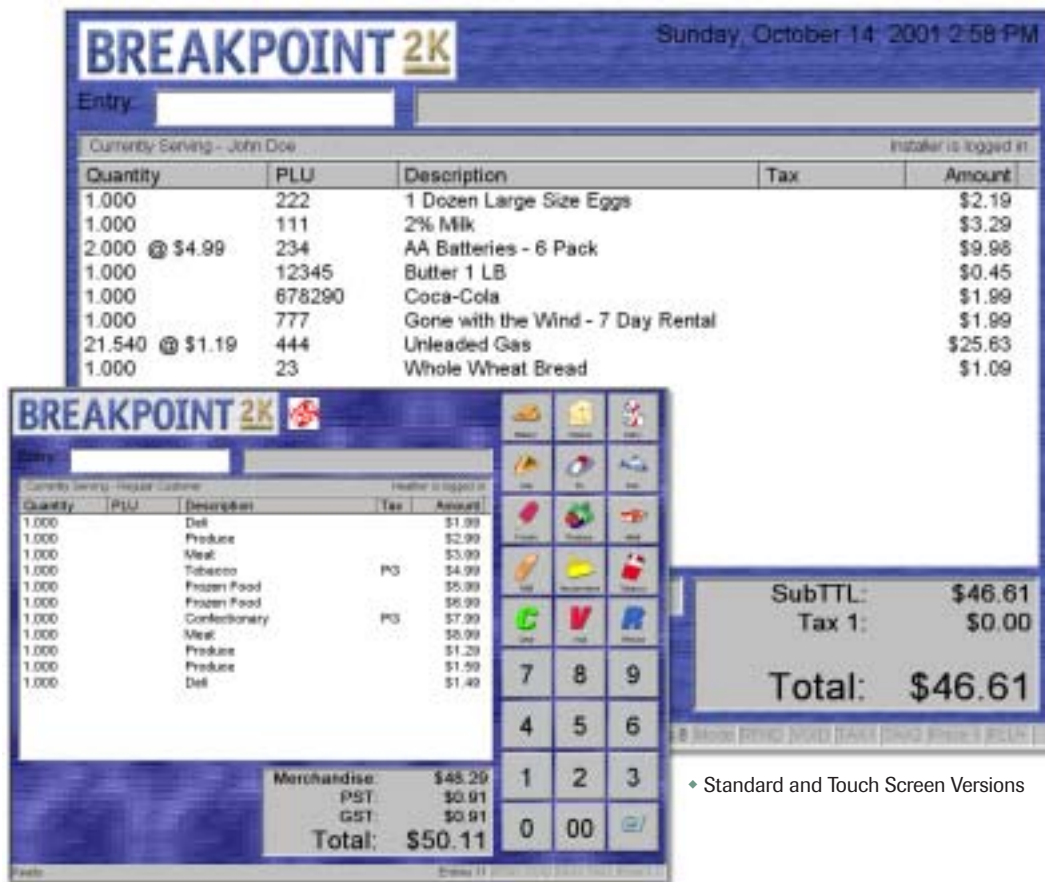email admin@breakpoint.ca

BACKGROUND

BreakPoint Systems Corporation has been a world leader in technologically advanced Point of Sale system development for more than twenty years. The original BreakPoint Retail Cash System defined the extreme limits of POS capability in the DOS environment and taunted the imaginations of even the most progressive retailers.

Today, BreakPoint 2K has redefined those limits for the Windows (95/98/ME/NT/2000/XP) operating systems. Constructed in MicroSoft Visual C++ and incorporating 100% object-oriented code, world-renown C-Tree indexing, ODBC and SQL compliancy, OPOS hardware support, Internet/FTP communications, dazzling customer display, integrated credit/debit, optional touch-screen support, gas pump interface, and more cashier functions than any retail POS system ever developed, BreakPoint 2K is unequalled in the retail POS systems market.

SYSTEM OVERVIEW

BreakPoint begins as a single POS workstation program that is easy to install and friendly to use. From there, numerous system options may be added to configure BreakPoint to meet the unique requirements of every different retailer. The BreakPoint 2K product family now includes the following system modules:

◆ **BreakPoint 2K**, the BreakPoint Cashier Workstation program now designed with 100% Windows GUI (Graphical User Interface) compliancy, Internet connectivity, over 1,000 System Flag options, touch-screen support, ODBC & SQL compatibility, OPOS hardware support, and dozens of advanced cashier functions. Every BreakPoint System begins with this module.

◆ **Integrated Program Configurator (IPC)**, the BreakPoint programming tool, permitting operators to perform every aspect of BreakPoint 2K setups and service programming through a familiar, highly intuitive and self-teaching Windows GUI-compliant environment. The IPC is so friendly that most retailers can program their own BreakPoint 2K workstations without dealer assistance. The IPC is included with BreakPoint 2K at no extra charge.

◆ **The BreakPoint BOT (BOT)**, our real-time, background, automated systems maintenance and communications robot. The BOT provides an invisible communications link, by modem or Internet/FTP, between you and all of your BreakPoint 2K workstations, however many there might be and wherever they might be located in the world. System file maintenance, system backups, import and export operations, management report requests, and service programming can all be performed manually or fully automated, turning the complex management of multiple lanes in multiple remote store locations a simple and enjoyable exercise. The BOT is included with BreakPoint 2K at no extra charge.

◆ **Integrated Customer Display (ICD)**, our infamous graphic customer display program, providing customers with an easy-to-read Receipt Window, Enlarged Subtotal, Programmable Background and Company Logo, and our popular Advertising Slide Show Presentation.

◆ **Credit/Debit Authorization** is an add-on option that provides fully integrated Credit and Debit Authorization operations. 100% INTERAC compatible, supports both US and Canadian banks for debit and all major credit cards.

◆ **Gas Pump Interface Option** is an add-on option to BreakPoint 2K that provides fully integrated gas pump operations through a seamless interface to the FuelDesk Software and Progressive Pump Controller products. Supports every major gas pump manufacturer worldwide.

◆ **Loss Prevention Manager (LPM)**, our unique clerk loss prevention system, designed to record transactional details on a wide variety of loss-susceptible cashier operations and provide statistical summary and detailed transaction reports for complete clerk loss prevention management.

◆ **Mini-A/R Accounts Receivable**, our directly integrated Accounts Receivable program, providing a simple balance forward, monthly statement A/R that requires minimal maintenance and can process customer charges and payments from any number of BreakPoint 2K workstations.

* Standard and Touch Screen Versions

BreakPoint 2K

BreakPoint 2K is an explosion of integrated technologies, including our 100% Windows (98/ME/NT/2000/XP) GUI-compliant user interface, Email and FTP Site Internet connectivity, SQL/ODBC reporting, OPOS hardware support, touch-screen support and Internet shopper (E-Commerce) interfaces. BreakPoint 2K is the starting point of any BreakPoint system, with many optional modules that may be added to meet the unique requirements of virtually any retail operation.

BreakPoint 2K is written in MicroSoft Visual C++, a true source programming language quite unlike fourth-generation tools such as Delphi or Access. Visual C++ programming affords the greatest combination of speed, flexibility, and reliability of any programming language available today. The database engine inside BP 2K is the infamous C-Tree, one of the fastest indexing systems known to C language programmers.

BP 2K offers the same comprehensive set of POS features and facilities as our original BreakPoint plus much more. This includes the same 1,000+ System Flag options, our powerful Data Capture engine, our traditional 100% open architecture integration links, hardware support for virtually every known POS peripheral, integrated credit/debit authorization, charge account tracking, item rental, customer profiling, 17 unique customer loyalty programs, and every relevant cashier function known to modern retail management.

BP 2K is just one component of a complete family of Windows GUI-based POS products available to you, from which you may construct and refine the cash register system that is precisely correct for your business. From the simplest of stand-alone POS system configurations to the most complex multi-store POS networks, BP 2K is a product that can offer a manageable and affordable starting point and unlimited upward mobility, enabling you to keep up with the constantly increasing POS requirements of your business.

BreakPoint 2K Features

* Unlimited Departments
* Unlimited PLU Items
* Unlimited Customers
* Unlimited Clerks with Six Flexible Permission Levels
* Unlimited Tenders
* Unlimited Foreign Currency Tenders with 7 Decimal Conversion Rates
* Over 1,000 System Flag Options
* Unlimited % and $ Discounts
* Multilingual Capability
* Preset Tenders from $1 to $100
* 10 Tax Levels, Add-On or VAT
* 17 Unique Customer Loyalty Programs
* Item Tax Shifting
* Subtotal Tax Shifting
* Error Correct, Transaction Cancel
* 10 PLU Preset Shift Levels
* 10 PLU Price Shift Levels
* Open Department Entry
* Paid Out and Received on Account
* Electronic Journal with Keyword Search and Easy Receipt Reprint
* Dual Level Programmable Keyboard
* 4 Programmable End-of-Day Cashouts
* Customizable Receipt Layout
* Real-time or Buffer Receipt Printing
* Unlimited PLU Speed Charts
* Multi-lane Suspend & Recall
* Tender Loan & Pickup
* Complete Training Mode
* Cheque Writing
* 100% Power Fail Recovery
* Price Override
* Mix & Match Split Pricing
* Limited Quantity Pricing
* Multiple Link Items
* PLU Lookup by PLU Code, Alternate Code, or PLU Descriptor
* Customer Lookup by Customer Code, Customer Name, or Customer Phone Number
* Tag & Coupon Printing
* Security Clerk Login & Logoff
* Single-Line or Multi-Line Validation Printing
* Integrated Credit/Debit
* Gas Pump Interface
* Item Rental Option
* Customer Charge Tracking with Integrated A/R
* Cheque Authorization
* Food Stamp and WIC Support
* 100% Open Architecture
* Complete OPOS Support
* ODBC/SQL Compliancy
* Internet/FTP Communications
* Automated Backups & File Maintenance

BreakPoint ICD Features
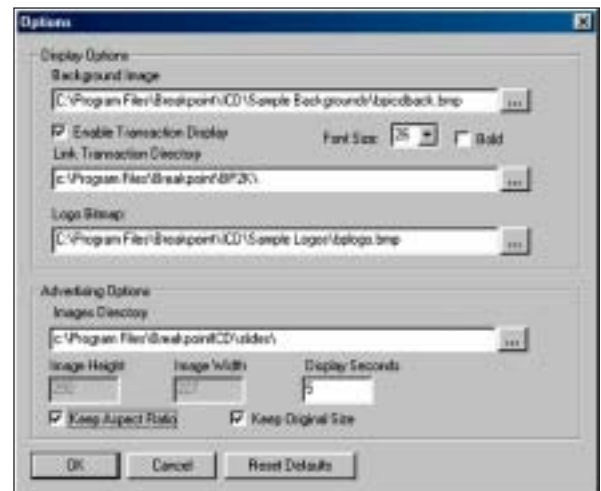
- Over 100 Custom Backgrounds
- Customized Corporate Logo
- Complete Customer Receipt Display
- Enlarged Easy to Read Subtotal
- Large Advertising Slide Window
- Over 150 Special Interest Slides
- User Designed Slide Development
- User-selectable Slide Interval
- Weigh Scale Display Window
- Time / Date Bar

The Integrated Customer Display (ICD)

The BreakPoint ICD Integrated Customer Display is a high resolution full-screen colour display that is designed to fulfill the needs of your customer for the duration of their sale. The ICD offers an easy-to-read customer receipt display with an enlarged subtotal, for ideal customer viewing of their sale as it is being transacted. Everything your customer wants to know about their sale is right there, big and bold and beautiful, and friendly enough to be read easily by all your elderly or visually-challenged patrons.

The BreakPoint ICD also includes a high resolution colour graphic slide presentation for advertising or displaying customer service information, creating a very real advertising capitalization opportunity for your business. Quick and easy program options are provided for changing the ICD backgrounds, the graphic corporate logo, and for selecting the advertising slide show presentations you wish to have presented. The ICD slide window can support an unlimited number of presentation slides with a user-assignable delay between slides.
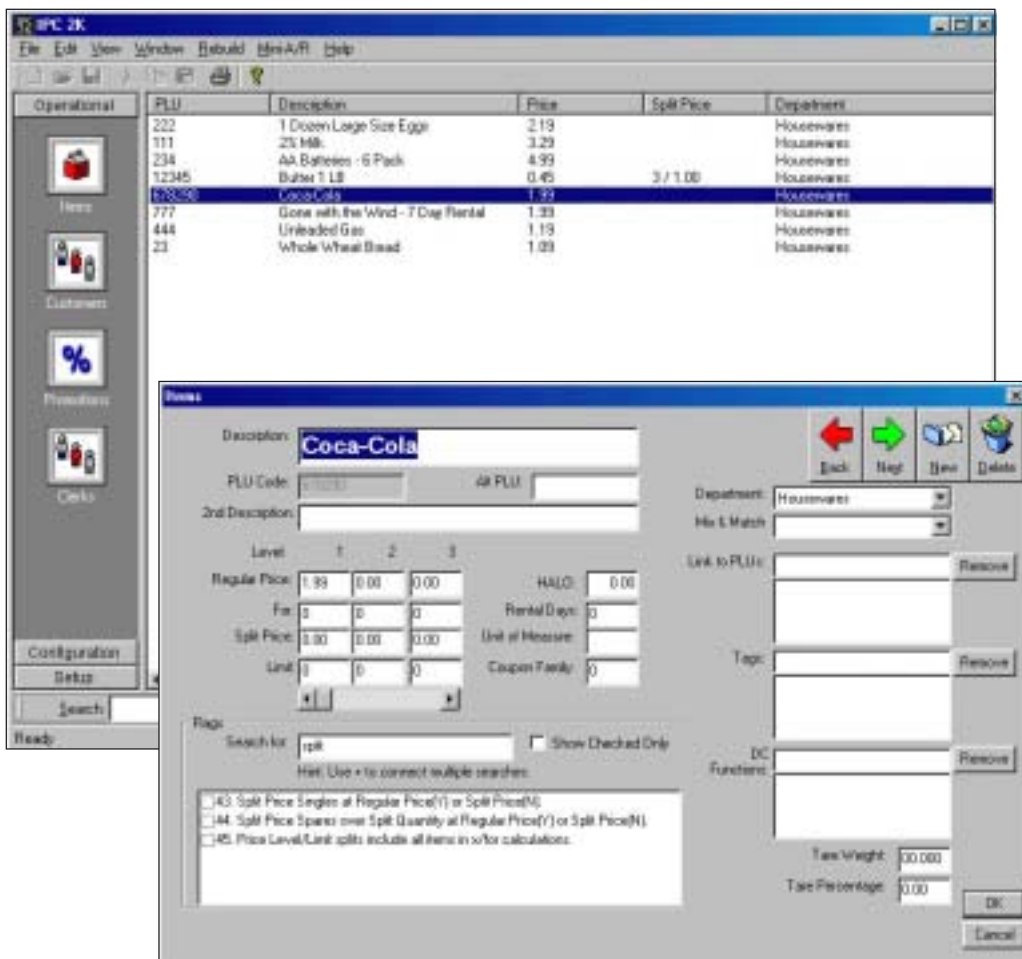
◆ BreakPoint ICD Options Screen

Graphic images can be created easily by your own staff using the BreakPoint ICD Graphic Slide Development Manual and an inexpensive tabletop scanner. Professional graphic art design services may also be provided by BreakPoint Systems Corporation for any customized logos or backgrounds that require that special touch. Backgrounds of any texture and content may be blended with unique company colours and logos for highly specialized and personalized ICD presentations. Presentation slides may also be custom designed at your request.

The BreakPoint ICD is the most vibrant part of your BreakPoint cashier workstation. It will dazzle and amaze your customers while it makes them feel welcome and at home in your store. Your cashiers will appreciate the convenience it provides to them and to your customers, and you will appreciate the advertising revenues and effective throughput it will enable at your cashier lanes.

◆ BreakPoint IPC Main Menu and Item Programming Screen

BreakPoint IPC Features

- ◆ Item Programming
- ◆ Customer Programming
- ◆ Clerk Programming
- ◆ Promotion Programming
- ◆ Tax Programming
- ◆ Discount & Coupon Setups
- ◆ Department Programming
- ◆ Tender Programming
- ◆ Mix & Match Programming
- ◆ Preset Programming
- ◆ System Flag Programming
- ◆ Receipt Layout Setup
- ◆ Journal Layout Setup
- ◆ Report Layout Setup
- ◆ Touch-Screen Button Layout
- ◆ Cashout Programming
- ◆ System Values Programming
- ◆ Plugin Setups
- ◆ Preset Programming
- ◆ File & Index Rebuild Routines

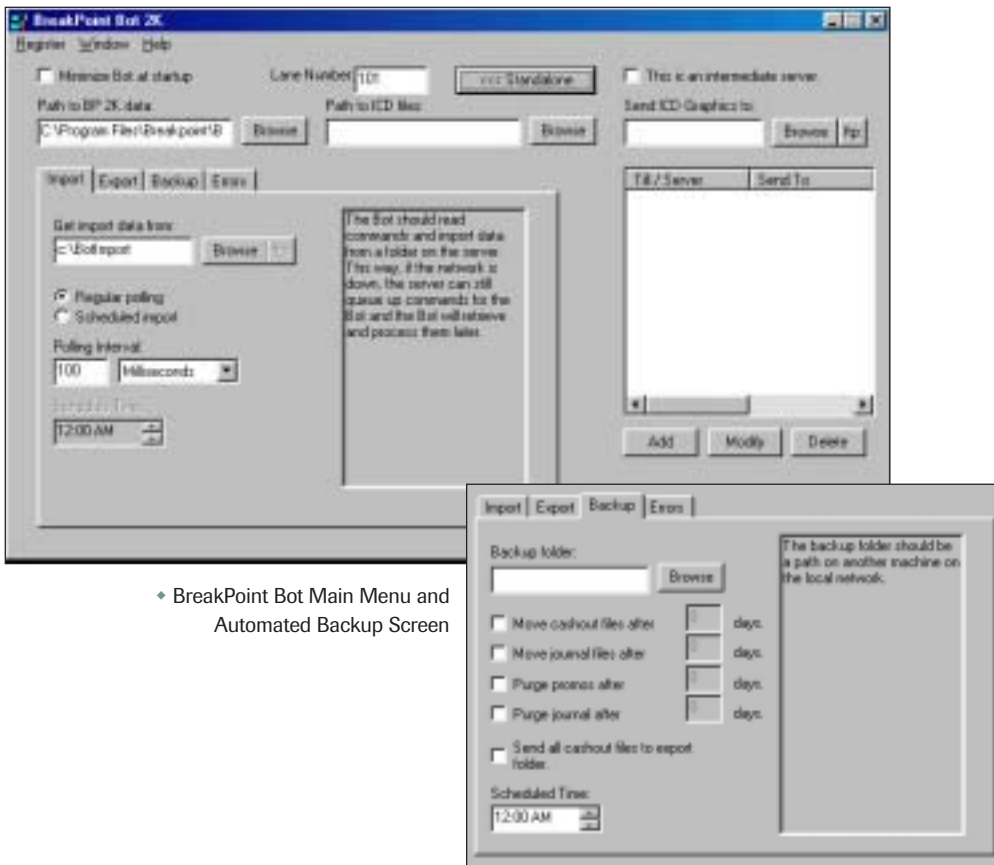# The Integrated Program Configurator (IPC)

The BreakPoint IPC Integrated Program Configurator operates in the Window (95/98/ME/NT/2000/XP) environments to provide complete system setup and service programming for your BreakPoint 2K workstation.

The BreakPoint IPC is included with your BreakPoint 2K system at no extra charge, so that the BreakPoint IPC icon will appear automatically on your Windows desktop when you install your BreakPoint 2K system. With a click of your mouse, you are able to program every aspect of BreakPoint 2K through a friendly, easy-to-use GUI-compliant menu system.

The BreakPoint IPC is written in MicroSoft Visual C++ and supports all of the programming elements of the original BreakPoint ALT Programming Menu and much more. Special new capabilities make programming BreakPoint easier than ever, such as wordwheel searches on all system flags, scroll bars and check boxes for quick updating, and the very familiar Windows GUI user interface, supporting keyboard, mouse, or touch-screen entry.

The BreakPoint IPC is automatically present on every individual BreakPoint 2K workstation, so that each BreakPoint register is 100% complete and independently self-sufficient at all times. However, the IPC can also be operated from a backroom server or from a remote server in conjunction with the BreakPoint BOT to enable multi-store and multi-register programming from a single IPC workstation. Simple register changes can be made quickly and easily at one terminal and, through the BOT Internet or modem communications, transferred to any number of BreakPoint 2K workstations installed worldwide.

The BreakPoint IPC makes programming of BreakPoint 2K workstations so quick and easy that many retail operators are able to program their own BreakPoint registers without any dealer assistance required. Even multi-store and multi-lane register programming is something that every modern retailer can now learn to master and enjoy.

◆ BreakPoint Bot Main Menu and
Automated Backup Screen

BreakPoint BOT Features

- ◆ Remote PLU Updating
- ◆ Remote Customer Updating
- ◆ Remote System Backups
- ◆ Remote (IPC) System Programming
- ◆ Realtime Multi-Store Customer
   Loyalty Data Sharing
- ◆ Realtime Multi-Store Charge
   Account Tracking Data Sharing
- ◆ Realtime Multi-Store Inventory
   Control Data Sharing
- ◆ Realtime On-Demand or
   Pre-Scheduled Multi-Store
   Cashier Reporting
- ◆ Remote ICD Slide Updating
- ◆ Complete Internet / FTP Site
   Communications Support
   using Standard IP Addressing
- ◆ Windows (98/ME/NT/2000/XP)
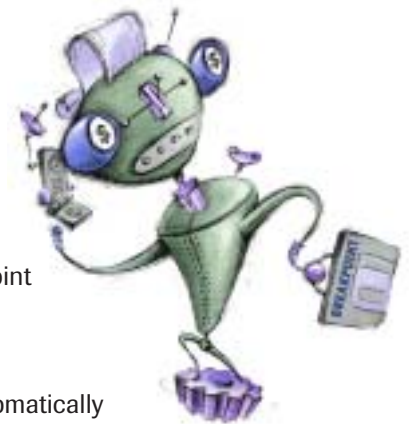   LAN Communications Support

The BreakPoint BOT (BOT)

The BreakPoint BOT is an automated, real-time active Windows (95/98/ME/NT/2000/XP) application robot that runs in the background of your Windows desktop and performs a myriad of standard system maintenance, system backup, import and export, service programming and report generation operations.
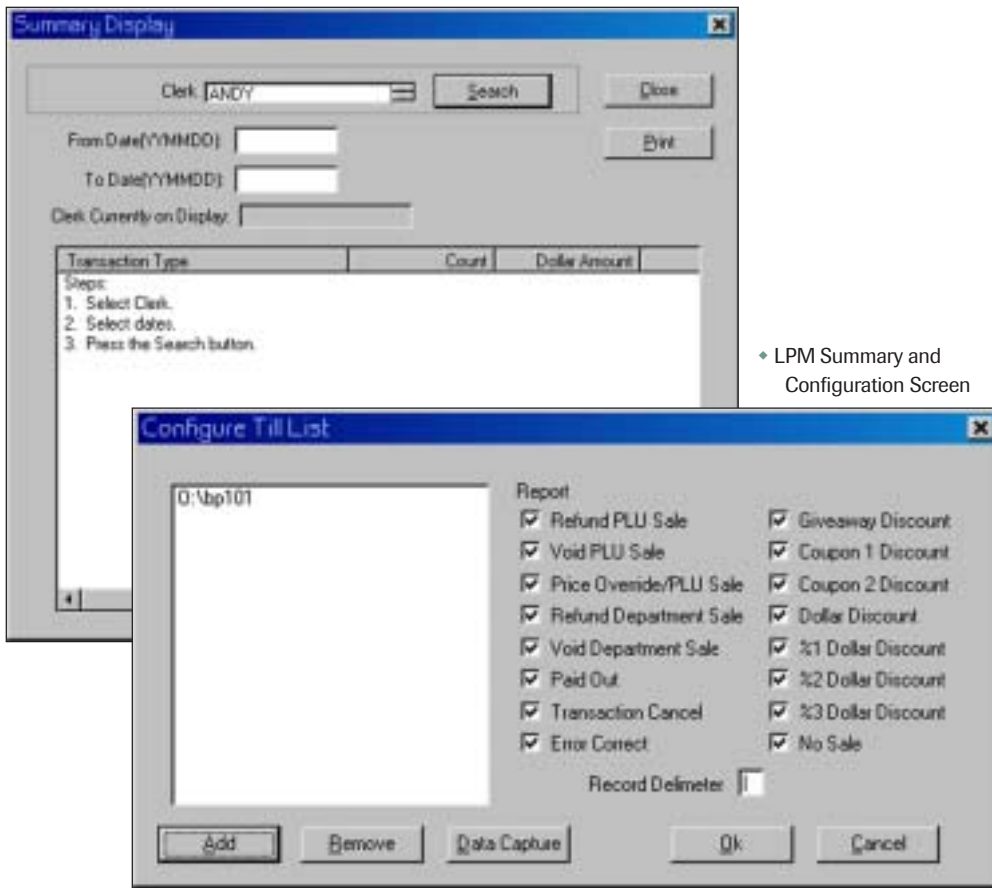
You will never again have to think about imports, exports, cashouts, backups or file maintenance operations. You simply program the events that you want to occur inside the BreakPoint BOT, and it sits quietly in the Windows System Tray, performing its tasks dutifully while your BreakPoint 2K runs happily in the foreground.

Importing and exporting has never been easier. Just start up the BreakPoint BOT and it automatically watches for new files to be dropped into its import directory. When a file appears, the BOT loads the file into BreakPoint 2K according to the schedule you have selected. Imports can be scheduled to occur as frequently as every 30 milliseconds, so that the BOT is importing with real-time efficiency but with the error checking and data security of traditional store-and-forward batch importation, permitting the BreakPoint BOT to deliver the best of both worlds. System Backups and System Maintenance operations can also be scheduled for once a day at a predetermined time for added convenience.

The BreakPoint BOT is universally connected. It can operate across your LAN, across local or long distance phone lines, or across the Internet. The BOT can process import files, deliver export files, or transmit backups to virtually any system located anywhere in the world, by simplt instructing it as to the IP address and/or the hard drive and directory designation. When a particular connection becomes lost or interrupted, the BreakPoint BOT records exactly where it left off, so that it can proceed correctly once the connection has been restored and complete all of the tasks that are outstanding.

The BreakPoint BOT will open up unlimited horizons for our retailers. Imagine sharing BreakPoint 2K customer balances or frequent shopper points across a chain of stores located anywhere in the world, with every site updated the very second the customer card is scanned. Retailers will also be able to perform real-time inventory lookups instantly across an unlimited number of store or warehouse locations, update PLU pricing or produce cashier reports from remote sites at any time. With the touch of your mouse, you will be able to monitor and manage an unlimited number of remote stores and BreakPoint registers, without ever leaving your desk. Remote store management has never been easier.

LPM Summary and
Configuration Screen

BreakPoint LPM Features

- Tracks Over 20 Loss Prevention Clerk Transaction Types
- Records Every Clerk Entry
- Maintains Clerk Data Indefinitely
- Tracks Refund Entries
- Tracks Error Corrects and Voids
- Tracks Price Overrides
- Tracks Discount and Coupon Entries
- Tracks Transaction Cancels
- Tracks Cash Pickups and Drops
- Tracks Paid Out Entries
- Tracks No Sale Entries
- Summary Report for All Clerks
- Detail Report for Single Clerk
- Detail Report for Specific Entry Type
- Date Range Selection on All Reports
- Quick Locating of Clerk, Date, Time, Register Number, and Transaction Number for any Clerk Entry with Optional Receipt Reprint for Presentation

The Loss Prevention Manager (LPM)

The BreakPoint Loss Prevention Manager is designed to record transactional details on a wide variety of loss sensitive cashier operations and provide statistical summary and detailed transaction reporting for complete cashier monitoring.
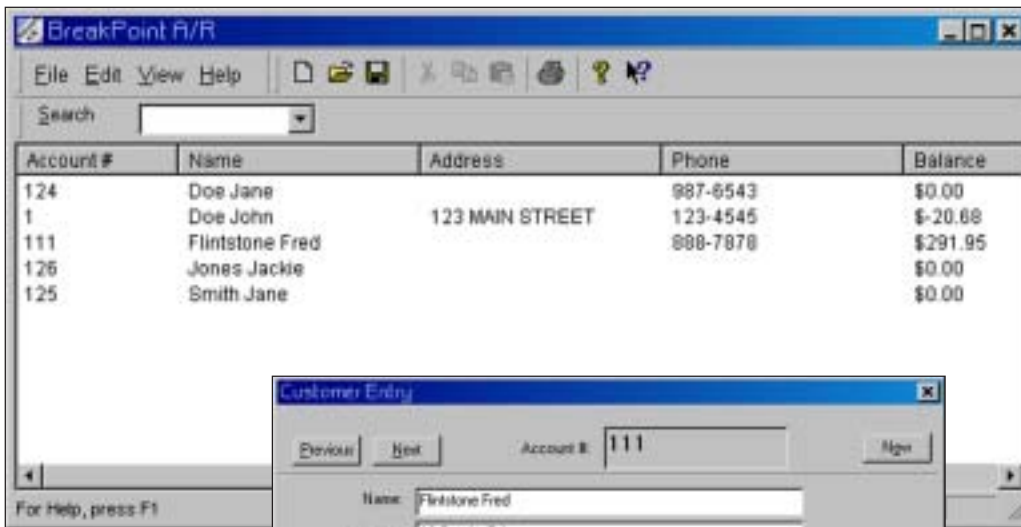
The LPM utilizes our unique Invisible Data Capture Function to record each and every detail on the cashier transaction types that you identify as your loss prevention issues. Transaction types that may be monitored include:

- ◆ Refund
- ◆ Void
- ◆ Price Override
- ◆ % Discount1, 2 and 3
- ◆ $ Discount
- ◆ Coupon 1 and 2
- ◆ Transaction Cancel
- ◆ Cash Pickup
- ◆ No Sale

The Loss Prevention Summary Report provides an overview of all clerks, reporting the number of occurrences and the accumulated dollar amounts for each transaction type for any period you select. Summary reporting provides instant insight into unusual or unexpected usage of loss prevention transactions by any particular cashier.

The Detailed Loss Prevention Report enables you to quickly procure more specific information about unusual or unexpected usage of loss prevention transactions. The LPM permits you to select a specific Transaction Type and Clerk Number for a selected period of time, and then reports the transactional details of every identified event, including Date and Time of the entry, the Register Number, Transaction Counter, Dollar Amount, and Customer Code. The details provided on the Detailed Loss Prevention Report can also be used to find the original receipt as stored in the BreakPoint Electronic Journal for closer examination or reprinting.

The Loss Prevention Manager can consolidate reporting for any number of registers for regional or corporate overviews of clerk activity. Loss prevention details may also be retained and reported for an unlimited period of time.

◆ Mini A/R Main Menu and Customer Entry Screen

BP Mini A/R Features

- Simple Balance Forward A/R
- Standard Monthly Statements
- Complete Charge Detail Printing on Customer Statements including Original Receipt Transaction#
- Standard 30/60/90 Aging
- Optional Interest Charges
- Unique Interest Percentages for Individual Accounts
- Unique Charge Credit Limits for Individual Accounts
- Customer Summary Report
- Automated Realtime Charge Posting from Unlimited Remote Registers When Utilized with the BOT
- Optional Statement Suppression on Individual Accounts
- Optional Statement Suppression on Zero Balance Accounts
- Quick Locating of Original Sales Transaction for any Charge Entry with Optional Receipt Reprint for Review or Presentation

The Mini-A/R Accounts Receivable

The BreakPoint Mini-A/R is a simple balance forward / monthly statement Accounts Receivable system that requires minimal maintenance and can process customer charges and payments from any number of BreakPoint registers, wherever they exist in the world.

The Mini-A/R collects detailed transactions on all Charge and R/A entries using the BreakPoint Data Capture engine. These transactions are automatically processed each day to enable quick and easy month end printing of customers statements and various accounts receivable reports.

The Mini-A/R is specially designed for the retail business that manages simple in-house charge accounts. Charge sales and payment entries may be performed right at the register using familiar cashier operations and with easy customer lookup by Customer Name, Account Code, or Phone Number. BreakPoint also provides a special customer Mini-Statement that can be produced right at the register, showing the month-begin Balance Forward, the current charges and payments, and the final account balance. Other Mini-A/R options include over credit limit manager authorization, automatic duplicate or triplicate receipt printing, and optional signature line on receipt.

The Mini-AR automatically performs a simple Balance Forward month end rollover and requires very little maintenance. Transactions from any number of BreakPoint registers can be collected and processed automatically each night, so that system maintenance operations are limited to a single monthly operation of printing customer statements and any of the management reports that you desire. The singular purpose of simple balance forward A/R combined with direct integration to the cashier workstation make the Mini-A/R the ideal charge account management tool for the automated retailer.