

**KENO WHEEL™
USER MANUAL**

Gail Howard's
**SMART
LUCK®**

KENO WHEEL™ USER MANUAL

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**SMART
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KENO WHEEL PROGRAM HIGHLIGHTS

- ❑ Dos program runs on MSDOS3.x or higher, Win3.x, Win9.x, Win-NT, Win-ME, and Win-2000.
- ❑ Works for any Pick 10 Keno game drawing up to 99 numbers.
- ❑ Can also be used for 9-number and 8-number wheels.
- ❑ On screen, context sensitive HELP is available throughout the program. HELP shows the options available at any point in the program.
- ❑ Has 527 Balanced Wheeling Systems with up to two Power Numbers. An index of all wheels in the program is included in this manual.
- ❑ Wheels up to 52 numbers in 2 to MAX+ games.
- ❑ Fourteen different types of win guarantees assure winning six to nine number prizes when you trap between six and ten of the winning numbers in your wheeled groups.
- ❑ Select your wheel by: 1) type of win guarantee, 2) number of Keno Numbers you want to wheel, or by 3) how many games you want to play.
- ❑ Shows minimum prizes guaranteed for any wheel, and the maximum number of multiple prizes that can be won in a single drawing. Shows adjusted results if Power Numbers are missed.
- ❑ When entering your numbers, the important handicapping feature tells you how many times each number position is in the wheel, so you can place your strongest numbers where they appear most often.
- ❑ Your wheeled sets of numbers are on the screen instantly with the sum of each set shown in parentheses. Cursor keys (arrow keys etc.) allow instant scrolling on screen.
- ❑ A bar chart graphically shows the sums of the combinations in your wheel. Useful statistical information allows you to optimize the arrangement of your numbers to form the best average sum or the tightest spread of sums.
- ❑ Interface with Advantage Plus program allows Smart Picks or Advantage Plus Test Drive numbers to plug directly into your choice of Keno Wheels.
- ❑ Interface with Advantage Plus program allows you to test Drive your wheel through any compatible history file and see game-by-game results and totals as if you had played your wheel every game. Special feature allows you to collapse out the drawings

that had no winners.

- ❑ Interface with Advantage Plus program allows you to group-test your numbers through any compatible history file to see a summary of how your wheeled numbers would have done.
- ❑ The Winning combinations reported in Test Drive and when win-checking your wheels can be configured to report any combination of matches you want to see.
- ❑ Print your wheel showing your chosen numbers and the wheeled combinations of those numbers. The sum of the numbers in each combination appears in parentheses on the right.
- ❑ Print any report to a disk file so that you may access it with a word processor or other program.
- ❑ Simple method of saving your wheels for win-checking automatically records the date saved as well as the details of your wheel and allows up to 35 characters for notes to describe your saved wheel.
- ❑ Instant access to saved wheels allows you to instantly view a saved wheel, reprint, modify, optimize again, Test-Drive, Group-Test, and even re-save it; delete saved wheels; mark one or more wheels for automatic win checking.
- ❑ Win checking accurately reports Match-Zero prizes which yield a free ticket in some Keno games. Special function allows you to indicate which matches should be shown in the results.
- ❑ Win check any saved wheel individually or all marked wheels against the drawing results you enter or against the last drawing in any Advantage Plus history file. Shows summary of winnings and detailed results that identify each winning combination. Allows printing of same information.
- ❑ Works stand alone or with Advantage Plus program.

1. INTRODUCTION

Thank you for buying my Smart Luck® Keno Wheel™. You'll be amazed at your change in "luck" when you wheel your Keno numbers. You can't expect to win every time you use a wheeling system, but the odds are that you will win more often if you wheel your Keno numbers than if you don't.

Wheeling systems allow you to choose a large group of numbers in any Pick 10 Keno game, play special sets of combinations of those numbers and get a minimum win guarantee if the required number of winning numbers are in your chosen group. Wheeling does not choose the numbers for you. Wheeling arranges your own chosen Keno numbers into scientifically determined combinations that give you the highest probability of winning a prize, and guarantees a specific minimum prize.

Wheeling systems are merely a guide – but an absolutely essential guide – to show you how to arrange your chosen numbers when filling in your Keno play slips. If you were to take a group of Keno numbers and create your own sets of ten numbers in the same amount of games, you would not have the most efficient coverage of your group of numbers and you would not likely have a win guarantee. To cover the most Keno numbers in the fewest combinations and have a win guarantee, you must use my mathematically correct Balanced Wheeling Systems™.

Each Balanced Wheeling System™ has a specific minimum win guarantee which is assured when you trap the required number of winning numbers in your chosen group. Although my systems guarantee just one minimum prize, (which is the *least* you could win), it is possible to win much more than the minimum win guarantee. It is also possible to win prizes with fewer numbers than the win guarantee requires. (Avoid using inefficient wheeling systems that *guarantee* two or more minimum prizes. Such excess combinations are a result of inferior wheel construction and they waste money that could be better spent on a system with either more numbers or a higher win guarantee.)

For the minimum win guarantee to be effective, you must play every game in the system – and be careful not to make any mistakes

when filling in your play slips. One mistake could cost you your win guarantee.

All of my Balanced Wheeling Systems™ are abbreviated, which means they cover just enough combinations to give a minimum win guarantee. This makes wheeling many numbers affordable. For example, if you were to play every possible ten-number combination of 25 numbers, you would have to play 3,268,760 games for just one drawing. But by using my abbreviated System #10645-2, you can cover 25 numbers in just 12 games with a win guarantee. The lower the guaranteed prize, the lower the ticket cost and the more numbers that can be wheeled for the money.

Please take a few minutes to read the enclosed *Lottery Winning Systems*. Though specifically for pick-6 Lotto games, the principles apply to pick-5, pick-7 and Keno games as well. It explains the Balanced Game™ and gives a brief overview of Balanced Wheeling Systems™, what they are and how they work to reduce the odds in the Keno game.

WIN GUARANTEES

Keno Wheel™ contains fourteen basic types of wheeling systems for Pick-10 Keno games. They are categorized by their minimum win guarantee, which is the smallest prize you could expect to win, and by how many numbers in your wheeled group must match the winning numbers drawn for you to reap that minimum prize. For example, a *Win 6 with 10* wheel guarantees a six number prize if you successfully trap ten of the winning numbers in your wheeled group. The minimum win guarantee you choose determines the ticket cost and the number of combinations in the system.

NOTE: All wheels in the Keno Wheel™ program will win MORE than the minimum prize if you get MORE than the required number of numbers in your wheeled group.

The Balanced Power Number Wheels and Two-Power Number Wheels have the same win guarantees as non-Power Number wheels but cost much less to play. Power Numbers appear in each combination of the wheel, permitting you to give extra heavy play to your best Keno numbers.

Note: All Power Numbers MUST be drawn for the win guarantee to be valid.

WHICH WHEEL SHOULD YOU USE?

The best systems for players with smaller budgets are those that let you wheel the most Keno numbers for the smallest amount of money. To have the best chance of trapping the winning numbers, try to include as many numbers as your lottery budget allows. Best are the 6 out of 10 Balanced Wheeling Systems. Use Power Number Wheels if you study the numbers. In most Keno games there is one chance in four of correctly guessing a single power number and one in sixteen of correctly guessing two.

The more confident you are of your number selections, the fewer numbers you may want to wheel. High rollers could use the more expensive wheeling systems with the higher win guarantees, so that the minimum win will at least cover the cost of the bet. Those are the Win 7, Win 8 and Win 9 groups of wheels.

KENO WHEEL™ is loaded with over five hundred Pick 10 Keno Wheels and many convenient and powerful new features. The Keno Wheel, like the other Smart Luck wheeling programs, is used to arrange YOUR CHOSEN NUMBERS into scientifically balanced sets of combinations to guarantee a specified six to nine number minimum prize when the required number of Keno numbers are trapped within your wheeled group of numbers. It does not select the Keno numbers to be wheeled. You choose your own numbers—preferably with the help of Advantage Plus.

How to Make 8- and 9-Number Wheels

Some Keno games (in Canada and elsewhere) allow you to mark fewer than 10 numbers. You can use Keno Wheel to make wheels that mark sets of 9 numbers or 8 numbers on a bet slip. (To mark 7, 6, 5 or 4 numbers you need our Wheel Plus programs).

To make a 9-number wheel, use a pick-10 Keno Wheel with ONE Power Number. Place a 99 in the first position, A, which is the Power Number position. Then fill in the rest of the numbers normally. This will automatically place the Power Number 99 in the 10th position at the very end, which you can simply ignore.

All win guarantees will be reduced by **one** number. For example, a 6 out of 10 win guarantee will become a 5 out of 9; an 8 out of 8 will become a 7 out of 7; a 9 out of 10 will become an 8 out of 9; etc.

To make an 8-number wheel, use a pick-10 Keno Wheel with TWO Power Numbers. Place 99 in the first position, A, and 98 in the second position, B. Then fill in the rest of the numbers normally. This will automatically place the Power Numbers 99 in the 10th position and 98 in the 9th position, leaving you with a perfect 8-number wheel when you ignore the last two numbers, 99 and 98.

For a pick-8 wheel, all win guarantees will be reduced by **two** numbers. For example, a 6 out of 10 win guarantee will become a 4 out of 8; and 8 out of 8 will become a 6 out of 6; and a 9 out of 10 will become a 7 out of 8; etc.

A Tip on Keno Number Selection

You need to match only HALF of the 20 numbers drawn to get the 10 numbers required to win the jackpot. Repeat hits AND numbers out ONE game (that is, numbers repeated from the previous drawing, and numbers drawn one game before that) account for about half of all the winning numbers drawn. The Multiple Hit Pattern Chart® in Advantage Plus software tells you which numbers are most likely to hit two drawings in a row. The Skip and Hit® Chart tells you which numbers hit most often after skipping one game. For more Keno number selection tips, see pages 146 and 147 in my book, *Lottery Master Guide*.

2. GETTING STARTED

2.1 Hardware and Operating Requirements

The KENO WHEEL™ requires an IBM PC or compatible computer running PC/MS DOS Version 2 or higher with at least a single 360k floppy disk and 256k of memory. A printer is very useful but is not essential. Works in a DOS window with Windows 3.x, Windows 9x, Windows ME, Windows NT, and Windows 2000. Does NOT require MSDOS mode from windows.

2.2 Installation

Please refer to “How to Install Smart Luck Programs” to install Keno Wheel in the easiest way. If you want to install the program manually, three files can be copied to your hard disk or another floppy to install the program. For example, to install on your hard disk C drive in the \GH sub-directory, you would select the drive with **C:** and press **ENTER**, then select the directory with **CD \GH** and press enter, then copy the three files from the A drive with **COPY A:GAILKW.*** and press **ENTER**.

The three files for the KENO WHEEL™ are:

GAILKW.EXE, GAILKW.WL3, GAILKW.HLP

The additional files on the program disk are:

INSTALL.COM, AND 4100.INS

2.3 Setup

The program will use the screen mode that is selected when the program is first run. Normally this is not a problem. However, if you have an old computer and only a black and white or amber screen or certain LCD screens, you may not be able to read the information on the screen. If this occurs, or if the screen is difficult to read, try one of the following:

Run the program with **GAILKW /BW80** to force the program to use black and white mode, or use **GAILKW /CO80** to force color mode. The program will save the resulting settings as the default, so this needs to be done only once.

If your printer is not connected to printer port 1, LPT1, you can change the program's default printer by typing **GAILKW /PRN=DEV** where DEV is one of LPT1, LPT2, LPT3, PRN or WIN. The program uses PRN by default. If you are running an

early version of DOS 2, and the printer does not work, add a colon to one of the above names, ex: **GAILKW /PRN=LPT1:**

If you are using Windows and you are unable to print from the program, run the program once with **GAILKW /PRN=WIN**

Keno Wheel will use the printer and screen settings from Advantage Plus if installed in the same directory.

2.4 CAUTION

You do NOT have to make a backup copy your disk before installing the program. However, do NOT use the original Smart Luck program disk except to install the program. It may work fine and cause no problems, but it could destroy the original disk since it was not created on your machine. The program makes data files on the disk as part of its operation, this could damage the disk and make it unreadable if the alignment of the diskette drive on your machine is not the same as ours. This should be your standard procedure with any program that you purchase. **WORK ONLY FROM COPIES** except for installation.

2.5 BACKING UP YOUR DATA

Keno Wheel™ contains only two files that need to be backed up periodically, **GAILKW.DEF** and **GAILKW.CKF**. Using Windows, you can use Windows Explorer and simply drag these files to the Floppy disk icon in "My Computer." For DOS users, if your computer has two physical disk drives, two floppies or a hard disk and a floppy, making backups can be done by a single command: **COPY GAILKW.??F A:** for example to copy the two files from the hard disk to drive A. Change A to B to copy from one floppy to a second. Use Diskcopy to backup if you have only a single disk drive.

3. OVERVIEW

When you first run the KENO WHEEL™ the sign on screen will appear which shows the version number, your name and serial number. Press ENTER to get the Main Menu.

To use the KENO WHEEL™ you must then select a wheel and enter your numbers to be wheeled. The program will insert your numbers into the wheel and show you the resulting combinations in

sorted order. When viewing your wheel you may PRINT the combinations so you can mark your play slips, MODIFY or Re-Arrange the numbers you used, SAVE the wheel for win checking, OPTIMIZE the arrangement of your numbers for the best average sum, test the wheel in Advantage Plus history files to see if your wheel contains combinations that won in the past, and VIEW the minimum and maximum prizes guaranteed by the wheel.

Once you have made and saved a wheel, you may then access the Check Winners section which shows you a list of all wheels that you have saved. You can win check any individual wheel or group of wheels against numbers that you enter or automatically against the last drawing of any compatible Advantage Plus history file. You may alternately pull up any saved wheel to view it's combinations on screen and treat it as if you had just made it as a new wheel.

3.1 Important Keyboard Keys

Please locate on the right side of your keyboard the keys labeled with PLUS (+) and MINUS (-), PGUP, PGDN, HOME, END and the four arrow keys. Those keys are used throughout the program to control the information displayed on the screen. On some keypads the PLUS and ENTER are on the same key. The keypad ASTERISK or STAR (*) key may be used instead.

Now locate the Function keys, either at the top or on the left side of your keyboard. Function keys are marked F1, F2, and so on. Throughout the program, the bottom line of your screen will show the functions that are associated with each function key that is active.

The ESC key is used to back up to a previous screen — usually abandoning the operation that was occurring at the time. From the Main Menu the ESC key will ask if you want to Stop the program.

ALT+X will immediately exit from the program without asking.

The ENTER key is used to end user input and in some cases to perform the expected function. For example, pressing ENTER on the Main Menu will have the same effect as pressing the function key to make a wheel. Most keyboards have two ENTER keys that may be used interchangeably, one on the right side of the main keyboard and one on the right side of the number keypad.

3.2 F1 Instant On-Screen Help

Instant on-screen help is available anywhere in the program by pressing F1. A help window will appear with information

specific to that area of the program. At the center of the bottom line of the help window, arrows will point in the direction where more help is available, or ENTER will show if the entire help for that area is displayed. Use the outer keypad keys to control the display. Press ESC or ENTER when through viewing the help. Refer to the help screen for instructions on how to proceed, or for options and alternatives available at that point in the program.

3.3 F2 Standard Print Key

Consistent with all Smart Luck computer programs, the F2 key is used to print the information which is on the screen. In the KENO WHEEL™ it is used only to print your wheels, test drive and win check results.

All printouts that are more than one page in length can be interrupted by pressing the ESC key and answering Y when asked if you want to stop printing.

If you print to a disk file, the program will ask for a file name. Use only alphabetic characters and digits and include no spaces. You may use up to eight characters for the file name itself and may optionally include a period followed by three more characters as a file type. If you add the file type, make sure that you don't kill some other important file by naming your file the same name. Don't use .COM, .EXE, or .BAT or you could lock up your system later if you tried to treat the file like a program. Also be sure to REMEMBER the name you used. You will have to know it in order to do anything else with it.

3.4 Entering Keno Numbers

When entering the numbers you want to wheel or the winning numbers you want to check, please follow these simple rules.

Enter single digit numbers as either a digit followed by ENTER or a SPACE or as zero and then the digit WITHOUT the ENTER or SPACE keys. Enter two digit numbers as is without the ENTER or SPACE keys.

Press F10 or ENTER after all numbers have been entered. Use the UP arrow key, LEFT arrow key, or BACKSPACE key to back up to make corrections. Type a zero over a number to delete it. Use TAB to skip over a number without changing it.

3.5 Important Terms

COMBINATION — a selection of numbers that can be used to mark a single game on a play slip to get one chance of winning a lottery prize.

POWER NUMBER™ — a number that appears in every combination in a wheel. Power Numbers greatly reduce the cost of wheeling a given group of numbers. The Power Number(s) **MUST** be drawn for the **MINIMUM** win guarantee to be valid, though lesser prizes may still be won.

PICK SIZE — bet size, i.e. the number of numbers marked on a play slip to get one chance of winning the jackpot. It is also the number of numbers in each combination in a wheel. The most common pick sizes are Pick-6 and Pick-5. Only one U.S. game is a Pick-7, although Pick-7 and Pick-8 Games are played in other countries, and Pick-10 games are usually referred to as Keno Games in the U.S.

WHEEL — Wheeling is a method of arranging a large group of numbers into scientifically derived combinations that guarantee a minimum prize.

FULL WHEEL — plays every possible combination of a group of numbers and guarantees a jackpot and many secondary prizes if the conditions are met. Due to the huge number of combinations required, the KENO WHEEL™ contains no full wheels. The **FULL WHEEL GENERATOR** can be used to make full wheels for Keno games.

BALANCED WHEEL™ — a shortened form of a full wheel which guarantees a prize less than the jackpot but still allows a jackpot to be won. The Smart Luck **WHEEL SIX PLUS™** (for the pick-6 games), and **WHEEL FIVE PLUS™** (for the pick-5 games), are two other Smart Luck programs which contain a combined total of more than 2,000 Balanced Wheels.

DEFAULT — Simply put, a default is a choice pre-set by the program which you have the option of changing.

WHEEL NUMBERING SYSTEM — Because of the great number of wheels available in the KENO WHEEL™, a relatively simple yet descriptive method of numbering the wheels has been devised. This method has been adopted for all Smart Luck wheels in the future. All Keno wheel numbers are composed of six characters with a possible dash suffix as follows:

10E25-2



KENO WHEEL™

106425-2

- Number of Power Numbers
- Total Numbers used by wheel.
- Numbers Needed in addition to minimum guaranteed numbers (third digit).
- Minimum Win guarantee, 6 through 9.
- Size of each combination 5, 6, 7, or 10 numbers. All Keno Wheels have 10 number combinations.

4. MAIN MENU

The default Main Menu (shown below) is a table of No Power Number wheels. As shown at the bottom of this window, use the Plus/Minus keys to select more/fewer Power Numbers. The column headings for this menu show the win guarantees from 9/9 through 6/10 and the row headings on the left and right of each line indicate the numbers used by the wheel. The numbers in each column are the number of games required for wheels with that win guarantee and numbers in the same row use the same number of numbers. The bottom line of the window shows the details of the wheel highlighted in a particular row and column and changes immediately as you move the lightbar with the arrow keys. To make the highlighted wheel, press F4 or ENTER. To view the detailed list of minimum and maximum prizes for the highlighted wheel, press F-5.

This is one of the three available methods of choosing a wheel. Press F3 to select one of the other two methods, by number of games required or by number of numbers used.

Press F6 from any of the wheel selection menus to access wheels saved for win checking (at least one wheel must have been saved).

Release		Gail Howard's SMART LUCK												Serial Number	
1.10 12/11/2000		Keno Wheel (tm)												4100-12345	
		NO Power Number Wheels													
##	9/9	9/10	8/8	8/9	8/10	7/7	7/8	7/9	7/10	6/6	6/7	6/8	6/9	6/10	##
11	10	-	9	-	-	8	-	-	-	7	-	-	-	-	11
12	30	6	18	12	-	12	5	-	-	9	-	-	-	-	12
13	118	18	52	27	4	30	6	-	-	16	4	-	-	-	13
14	280	49	119	57	5	57	16	4	-	29	8	-	-	-	14
15	746	124	264	120	16	120	30	10	3	55	18	3	-	-	15
16	-	294	448	230	34	186	57	20	5	77	29	7	3	-	16
17	-	655	979	436	130	320	162	33	11	119	43	17	4	3	17
18	-	-	-	798	223	555	260	55	23	176	68	27	7	4	18
19	-	-	-	-	382	-	424	91	36	273	98	41	15	6	19
20	-	-	-	-	630	-	660	137	55	433	141	57	26	6	20
21	-	-	-	-	-	-	-	209	83	611	202	76	36	14	21
22	-	-	-	-	-	-	-	322	120	-	290	108	53	24	22
109011 11 nrs in 10 games, win 9 with 9 right															
+/- for MORE/FEWER Power Numbers															
Smart Luck Publishers												Tech Support			
PO Box 81770, Las Vegas, NV 89180												1-850-968-6950			
F1-Help F3-Alt Menu F4-Select F5-WinInfo F6-Win Check												ESC-DONE			

Default Main Menu / F3-Alt Menu, 1 - Table of Win Guarantees

4.1 Wheels by HOW MANY NUMBERS YOU WANT TO USE

Press F3 to select ALTERNATE MENU, then use either the DOWN arrow key and press ENTER or touch the number 2 to view a list of all available wheels sorted by NUMBERS

WHEELED. Wheels requiring the SAME number of numbers are arranged in order by the fewest to the highest number of combinations.

Use the PGUP/PGDN, UP/DOWN, HOME/END keys to browse through the list until you find the wheel that you want to make.

Press F2 to reduce the number of wheels shown by setting a low and high range of wheels you want to see.

Press F3 to change to Table Menu or Wheels by Games required.

Press F4 to make the highlighted wheel.

Press F5 to view the Minimum and Maximum prizes for the highlighted wheel.

When you have found the desired wheel, press ENTER or F4 to make the wheel and enter your numbers.

Press F6 to access wheels saved for win checking, F3 to switch to one of the other methods of selecting a wheel.

Release 1.10 12/11/2000	Gail Howard's SMART LUCK Keno Wheel (tm)	Serial Number 4100-12345
Wheels by NUMBERS USED		
SERIES	NRS	GAMES WIN GUARANTEE
106011-1	11	6 Win 6 with 6 Right (1-Power)
107011-2	11	6 Win 7 with 7 Right (2-Power)
106011	11	7 Win 6 with 6 Right
107011-1	11	7 Win 7 with 7 Right (1-Power)
108011-2	11	7 Win 8 with 8 Right (2-Power)
107011	11	8 Win 7 with 7 Right
109011-2	11	8 Win 9 with 9 Right (2-Power)
108011	11	8 Win 8 with 8 Right
109011	11	9 Win 9 with 9 Right
108112-2	12	10 Win 8 with 9 Right (2-Power)
11 to 44 Numbers (439 Wheels)		
Smart Luck Publishers PO Box 81770, Las Vegas, NV 89180		Tech Support 1-850-968-6950
F1-Help F2-Range F3-Alt Menu F4-Select F5-WinInfo F6-Win Check		ESC-DONE

F3-Alt Menu, 2 - Wheels by NUMBERS USED

4.2 Wheels by NUMBER OF GAMES YOU Want TO PLAY

Press F3 to select ALTERNATE MENU, then either use the DOWN arrow key twice and press ENTER or simply touch the number 3 to view a list of all available wheels sorted by the number of GAMES required by in the wheel. Wheels requiring the SAME number of games are arranged in order by the most to the fewest number of NUMBERS required.

Use the PGUP/PGDN, UP/DOWN, HOME/END keys to browse through the list until you find the wheel that you want to make.

Press F2 to reduce the number of wheels shown by setting a low and high range of wheels you want to see.

Press F3 to change to Table Menu or Wheels by Numbers Used.

Press F4 to make the highlighted wheel.

Press F5 to view the Minimum and Maximum prizes for the highlighted wheel.

When you have found the desired wheel, press ENTER or F4 to make the wheel and enter your numbers.

Press F6 to access wheels saved for win checking, F3 to switch to one of the other methods of selecting a wheel.

Release 1.10 12/11/2000	Gail Howard's SMART LUCK Keno Wheel (tm)	Serial Number 4100-12345
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Wheels by NUMBERS of GAMES			
SERIES	GAMES	NRS	WIN GUARANTEE
106419-1	2	19	Win 6 with 10 Right (1-Power)
106318-2	2	18	Win 6 with 9 Right (2-Power)
106417	3	17	Win 6 with 10 Right
106316-1	3	16	Win 6 with 9 Right (1-Power)
106316	3	16	Win 6 with 9 Right
106215-1	3	15	Win 6 with 8 Right (1-Power)
106215	3	15	Win 6 with 8 Right
107315	3	15	Win 7 with 10 Right
106114-2	3	14	Win 6 with 7 Right (2-Power)

2 to 979 Games (439 Wheels)

Smart Luck Publishers PO Box 81770, Las Vegas, NV 89180 F1-Help F2-Range F3-Alt Menu F4-Select F5-WinInfo F6-Win Check	Tech Support 1-850-968-6950 ESC-DONE
--	--

F3-Alt Menu, 3 - Wheels by NUMBERS of GAMES

4.3 Minimum and Maximum Prizes

To see the guaranteed minimum and maximum prizes for the highlighted wheel, press F5 from any of the three menus or when viewing a wheel. A window will immediately appear that shows the maximum and minimum prizes for the wheel.

109011 Win 9 with 9 Right						11 Nrs in 10 Games				
Numbers	--- Maximum Prizes ----					--- Minimum Prizes ----				
Correct	10#	9#	8#	7#	6#	10#	9#	8#	7#	6#
10	1	9	0	0	0	0	10	0	0	0
9	-	2	8	0	0	-	1	9	0	0
8	-	-	3	7	0	-	-	2	8	0
7	-	-	-	4	6	-	-	-	3	7
6	-	-	-	-	5	-	-	-	-	4

Press ENTER or ESC when DONE Viewing

Each line of the table shows the maximum prizes possible and the minimum prizes (6 to 10 number matches) guaranteed when you trap the indicated number of numbers, 6 to 10 Keno numbers INCLUDING POWER NUMBERS (if any), in your wheeled group.

The bottom of the window shows how many Power Numbers must be correct for the guarantee to be valid.

NOTE: Power Number Wheels require that **ALL POWER NUMBERS** be among the winning numbers drawn. If you miss one or more Power Numbers, you still could win prizes, but the win guarantee is **NOT VALID**. Use the RIGHT arrow key to view the prizes that are guaranteed when one or more Power Numbers are missed.

Use the UP/DOWN arrows to view the win guarantees for the previous or next wheel in the Menu Sequence selected.

4.4 Wheel Your Numbers

When the desired wheel is highlighted in any of the three wheel selection menus, press ENTER or F4 to enter the Keno numbers you want to wheel.

Release 1.10 12/15/2000	Gail Howard's SMART LUCK Keno Wheel (tm)	Serial Number 0000-00000												
106420 Win 6 with 10 Right		20 Numbers in 6 Games												
Enter Your Best 20 Numbers														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
0														
3x	3x	3x	3x	3x	3x	3x	3x	3x	3x	3x	3x	3x	3x	3x
P	Q	R	S	T										
3x	3x	3x	3x	3x										
Numbers Entered 0 of 20														
F1-Help F3-Clear Numbers F10-Done												ESC-Quit		

The window above shows the number of times each position appears in the wheel (i.e. 3x in the window above). This can be used to handicap the numbers in wheels where the positions are not evenly represented, allowing you to enter your best numbers in positions that appear most often. Use TAB to move right, SHIFT+TAB to move left to the position where you want to enter a number. Enter single digit numbers as zero and the number, or enter the digit only and press ENTER. A counter shows how many numbers you have entered. If you enter a number that was already used, the program will delete the number from its other position.

Press F3 to ERASE all numbers to allow you to start over.

Press F10 or ENTER when all numbers have been entered to view the resulting combinations.

Press ESC to exit from this window without continuing the entry of your numbers. You will immediately return to the previous area of the program.

5. VIEW WHEELED COMBINATIONS

The top line of the window identifies the type of wheel; the next line or lines show the numbers you are wheeling. The Power Numbers, if any, are the first numbers shown. The last line in the upper box shows either **** NOT SAVED **** or the date saved and the reference text that you entered when you saved the wheel. The bottom line of the window shows the range of combination numbers that are shown on the screen. Each combination is shown with the sum of its numbers in parentheses.

```

Release                               Gail Howard's SMART LUCK           Serial Number
1.10 12/15/2000                       Keno Wheel (tm)                   0000-00000

106420   Win 6 with 10 Right           20 Numbers in 6 Games
05 07 11 19 23 24 29 31 42 46 52 54 57 61 63 67 68 71 75 78
*** NOT SAVED ***

05-07-11-24-52-54-63-68-71-75 (430)
05-07-19-29-42-61-63-68-71-78 (443)
05-07-23-31-46-57-63-67-68-71 (438)
11-19-24-29-42-52-54-61-75-78 (445)
11-23-24-31-46-52-54-57-67-75 (440)
19-23-29-31-42-46-57-61-67-78 (453)

Games: 1 to 6
F1-Help F2-Print F3-Modify F4-Optimize F5-Save F6-WinInfo F7-Testdrive ESC-Done
    
```

Use UP/DOWN, PGUP/PGDN, HOME/END to view different parts of the wheel.

5.1 Print Wheel

Press F2 to print the wheel.

If you have not saved the wheel, a window will appear to allow you to enter a reference. You may enter any information you want or nothing. This information allows you to distinguish between various wheels that you make. Press ENTER when the information has been entered.

Check to make sure the printer is ON, ON LINE, and has paper. Then press ENTER to begin printing, ESC to CANCEL the printout, or press 'F', then enter a file name to print the information to a disk file.

Press any key during printing to interrupt the process. When the question "Stop Printing (Y/N)?" appears, answer with "Y" if you want to cancel the printing.

Note: Printers are frequently able to receive information much more quickly than they can print it. Therefore, your printer may continue printing for some time after the computer stops sending it information.

5.2 Change or Re-arrange Numbers in Wheel

Press F3 if you want to change or re-arrange the numbers that you used in the wheel. When the window appears with your numbers, type the new numbers over any numbers you want to modify or move.

Press ESC if you change your mind and don't want to change your numbers.

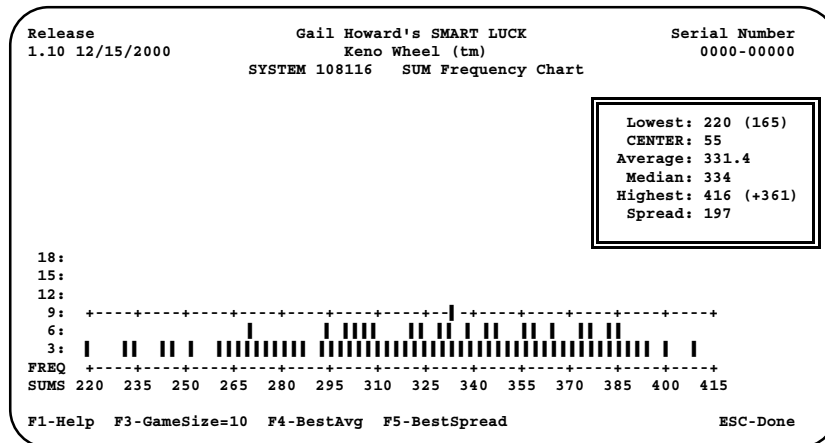
Press F3 to clear all of the numbers so that you can start over.

Press F10 when finished with your changes.

Note that your original saved wheel IS NOT ALTERED. Only a copy of it is changed.

5.3 Optimize Arrangement of your Numbers

In all Lotto and Keno games, the sums of all possible combinations form a bell curve with approximately 70% of the sums clustered near the central sum. This is because there are more ways of combining the numbers to form the central sums than there are ways of making very low or very high sums. Making wheels that avoid the extreme sums will improve your chances of winning. Optimizing provides a way to do this automatically by re-arranging your non-Power Numbers in an attempt to improve the average sum or to tighten the spread of sums.



Press F4 to Optimize the arrangement of your numbers. A bar chart will appear that shows the distribution of the various sums of the combinations in your wheel. Note the number after F3 on the bottom line of the screen. This is the game size of the Keno game you are playing. The program defaults this value to 80 numbers. If your Keno game uses a different game size, change this value to the correct size for your game. This is used to calculate the CENTER sum for the game and is important for proper optimizing.

A small window appears in the upper right corner of the screen showing key information about the sums as follows:

Lowest sum and its distance from the center sum — usually negative.

CENTER Sum is the central sum of a pick-10 Keno game of the specified game size.

Average is the numerical average or mean of the sums in your wheel. In a perfectly balanced wheel, the average should equal the center value, but you can force it higher or lower by using larger or smaller Keno numbers.

Median is the sum which has approximately half of the sums above or below it's value. This should also be close to the CENTER sum in a perfect wheel.

Highest sum and it's distance from the center sum - usually positive.

Spread is the distance between the highest sum and the lowest. A smaller spread concentrates the sums used in a wheel.

The legend on the left indicates the frequencies (how many times each sum appeared). This may be scaled to allow the entire chart to show on the screen.

Press F4 to try to improve the average sum. The program tries several hundred re-arrangements of your Keno numbers looking for a better average sum. On larger wheels this may take a few minutes for each attempt. If you have used too many low numbers or too many high numbers in your wheeled group, improvements may be minimal.

Press F5 to try to improve (reduce) the spread of the sums. Sometimes alternating between Best Average and Best Spread will result in additional improvements.

5.4 Save For Win-Checking

Press F5 to save your wheel for win-checking later. The program will ask you for a reference to be stored with the wheel.

Type anything you want to help you distinguish between various saved wheels. The program will automatically store the date saved and the description of the wheel including the numbers you entered.

Notice that the date saved and your reference text will appear on the bottom line of the upper box as soon as you save the wheel.

Wheels MUST BE SAVED before the program will be able to WIN CHECK them.

5.5 View Win Guarantee

Press F6 to see the same win guarantee information that is described in section 4.3 above.

5.6 Test Drive / Number Group Test

Press F7 to test your wheel through any compatible Advantage Plus history file (Requires Advantage Plus to be installed in the same folder/directory as Keno Wheel program). Use this to see what would have happened if you had played this wheel in every game of your chosen history. It shows game-by-game results of the type and quantity of prizes and the total. This information can then be used to re-optimize your wheel to eliminate combinations that have won too often in the past.

```

Release          Gail Howard's SMART LUCK          Serial Number
1.10 12/15/2000          Keno Wheel (tm)          0000-0000
PERFORMANCE TEST WITH NYKENO
106420  Win 6 with 10 Right          20 Numbers in 6 Games
05 09 13 17 19 20 24 28 31 35 40 42 43 56 59 62 64 67 76 79
*** NOT SAVED ***
DRAW#  DATE  RESULTS
2836  11/16/00  ---
2837  11/17/00  ---
2838  11/18/00  ---
2839  11/19/00  ---
2840  11/20/00  ---
2841  11/21/00  2-6#
2842  11/22/00  ---
2843  11/23/00  ---
2844  11/24/00  ---
2845  11/25/00  1-0#
2846  11/26/00  ---
2846  11/26/00  02-05-06-12-13-14-15-16-20-21-30-32-34-38-43-45-47-49-61-65
Totals:  1-8# 28-7# 183-6#
F1-Help  F2-Print  F3-ChangePrizes  F4-GroupTest  F5-Winners_Only  ESC-Done
    
```

Position the highlighted line using the up/down arrow keys and the actual combination drawn on that date will show on the bottom line of the window. The total prizes show in the bottom border of the window.

Press F3 to change the prizes that are shown for each drawing.

Press F4 to test the numbers you wheeled to see how many times they came up together in a single drawing. This shows the number and size of prizes that you would have won had you played a full wheel in every game.

Press F5 to condense the listing by eliminating the non-winning combinations from the view.

6. WIN CHECK SAVED WHEELS

Press F6 from the Main Menu to access the wheels you have saved for win checking. The program will show "No Wheels Saved," if you have not yet created and saved any wheels.

A window will appear showing all wheels you have saved. Each wheel will be identified by its Wheel Number, Type of win guarantee, Number of Games in the wheel, the date saved and your reference details.

Release 1.10 12/29/2000	Gail Howard's SMART LUCK Keno Wheel (tm)	Serial Number 0000-00000				
SYSTEMS SAVED FOR WIN CHECKING						
SYSTEM	TYPE	GAMES	SAVED	REFERENCE		
106421	6/10	14	1/08/01	Not Optimized		
106421	6/10	14	1/08/01	Optimized		
SYSTEM:		2 of 2				
F1-Help	F3-Edit	F4-View	F5-Mark	F6-Del	F7-Check	ESC-Done

Since all new wheels are added to the end of the list, they will appear in chronological order. If more than one page of wheels have been saved, the program will initially show the last page, the newest wheels. Use PgUP to view prior pages of wheels. The entry number (one up for each wheel saved) of the presently highlighted wheel is shown at the center of the bottom line of the window. Entry numbers range from one to the total number of wheels you have saved.

Keno Wheel will accommodate 697 saved wheels which will occupy 64k of disk space. You can easily delete wheels to make room for more.

6.1 Change Reference Field

Press F3 to change the reference text for the highlighted wheel. Use the left and right arrow keys to move the cursor and type over original text. Press ESC to cancel changes. CTRL+Y will delete the data to allow you to re-type it.

6.2 View Saved Wheel

Press F4 to view the highlighted wheel. Once on the screen you can do anything with the wheel that you can do with a new wheel, i.e. print, modify, re-save it as a new wheel, optimize the sums, view win guarantees, and test drive. Refer to section five above for details. The original wheel will remain unchanged until you delete it.

6.3 Delete Saved Wheel

Move the lightbar to a wheel you want to delete and press F5 or CTRL+Y to delete it. If you press F5, the program will ask you to confirm that you want to delete the wheel. CTRL+Y is entered by holding down the CTRL key and touching the letter Y. The program will not ask for confirmation when CTRL+Y is used.

6.4 Mark for Win Checking

The program allows you to select one or more saved wheels to be win checked at the same time. If no wheels are marked for checking, the program will check only the highlighted wheel. Otherwise the program will check all the marked wheels in sequence from oldest to newest.

Press the SPACEBAR to mark or unmark the currently highlighted wheel.

F6 will allow you to mark all wheels, unmark all wheels, or reverse the marking on the presently highlighted wheel (the same as using the SPACEBAR).

6.5 Win Check Marked or Highlighted Wheels

Press ENTER to check only the highlighted wheel, F7 to check ALL MARKED wheels.

If Advantage Plus is present, you can choose how you want to win check: against the last drawing of currently selected history file, against a different history file, or against numbers that you enter manually.

The details of the wheel being checked are shown on the screen, along with the information about the drawing. The total number of correct numbers are shown and the number of missed Power Numbers (if any). A detailed listing of all prizes is displayed as well.

Use PGUP/PGDN, HOME/END, UP/DOWN to scroll through the right side window which shows the winning combinations.

Press F2 to print complete win information.

OTHER SMART LUCK PRODUCTS TO HELP YOU WIN

Keno Advantage Plus™ - This is the same program as the U.S. and International Advantage Plus, except it comes with all of our Keno game histories. Provides more than 50 different instant charts, most of which provide multiple views, to help you home

Check us out on the WEB www.smartluck.com

- ✓ Download a free program to update your Advantage Plus history files automatically from our site.
- ✓ Four free multiple-jackpot-winning pick-5 and pick-6 interactive wheeling systems.
- ✓ Free program patch upgrades.
- ✓ Tips and advice from Gail Howard.
- ✓ Free quick and responsive email tech-support.
- ✓ Information and links to U.S. and International lottery sites.
- ✓ Special offers with great values.
- ✓ Secure online order form.
- ✓ And much more ...

in on the winning numbers. Smart Picks and numbers you enter into the Advantage Plus Test Drive chart can plug directly into your choice of compatible Keno Wheels. If you have US or International version, you can download the Keno History files (updated weekly) from our web site for free.

Wheel Six Plus™ - provides 844 pick-6 wheels and 792 pick-7 wheels that can be directly used in some Keno games when you want to play only 6 or 7 numbers per ticket. Of course, they can also be used in the normal pick-6 and pick-7 lottery games.

Wheel Five Plus™ - provides 475 Balanced Wheeling™ systems that can be used directly in some Keno games when you want to play only 5 numbers per ticket; and also 4 and 3 numbers.

Full Wheel Generator™ makes pick-4, pick-5, pick-6, pick-7, pick-8, pick-9 and pick-10 full wheels (all possible combinations of your numbers) with up to 4 Power Numbers and up to 99 numbers.

Lottery Master Guide - 180 pages, 3rd edition, is the most thorough and complete book on lottery number selection strategy ever written. Gail Howard's most basic to her most advanced strategies are explained in great detail, with examples of patterns throughout. Contains many useful reference tables: Published Odds Chart, State Lottery Addresses, Most Probable Sum Range Chart™, Win Frequency Charts for most Lotto games, and more. Though it does not require Advantage Plus program, most of the major charts in Advantage Plus are explained in great detail, as well as how to make them by hand and what to look for. Has number selection strategies for Keno as well.

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12	30	6	18	5	-	12	5	-	-	9	-	-	-	-
13	118	18	52	12	4	30	6	-	-	16	4	-	-	-
14	280	49	119	27	5	57	16	4	-	29	8	-	-	-
15	746	124	264	57	16	120	30	10	3	55	18	3	-	-
16	-	294	448	120	34	186	57	20	5	77	28	7	3	-
17	-	655	979	230	68	320	95	33	11	119	43	17	4	3
18	-	-	-	436	130	555	162	55	23	176	68	27	7	4
19	-	-	-	-	223	-	260	91	36	273	98	41	15	6
20	-	-	-	-	382	-	424	137	55	433	141	57	29	6
21	-	-	-	-	630	-	-	209	83	611	202	76	36	14
22	-	-	-	-	-	-	-	322	120	-	290	108	53	24
23	-	-	-	-	-	-	-	474	194	-	454	152	70	38
24	-	-	-	-	-	-	-	-	271	-	-	211	93	57
25	-	-	-	-	-	-	-	-	477	-	-	280	130	81
26	-	-	-	-	-	-	-	-	-	-	-	365	170	112
27	-	-	-	-	-	-	-	-	-	-	-	478	217	150
28	-	-	-	-	-	-	-	-	-	-	-	-	282	202
29	-	-	-	-	-	-	-	-	-	-	-	-	458	263
30	-	-	-	-	-	-	-	-	-	-	-	-	-	338
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12	25	5	15	-	-	10	-	-	-	7	-	-	-	-
13	84	11	40	9	-	22	4	-	-	12	4	-	-	-
14	185	39	79	19	-	40	12	3	-	19	6	-	-	-
15	471	93	168	40	13	75	21	6	-	33	12	3	-	-
16	789	195	276	75	24	100	36	12	4	42	18	6	3	-
17	-	412	542	140	46	172	59	23	6	62	26	9	4	-
18	-	-	-	250	82	272	94	36	14	81	36	16	6	-
19	-	-	-	435	136	446	140	54	25	114	54	23	8	2
20	-	-	-	-	221	630	210	80	38	173	73	32	13	6
21	-	-	-	-	351	-	310	114	54	243	101	44	23	8
22	-	-	-	-	555	-	450	165	74	320	134	56	31	13
23	-	-	-	-	-	-	-	230	100	445	179	72	40	14
24	-	-	-	-	-	-	-	326	137	559	230	95	51	19
25	-	-	-	-	-	-	-	447	194	-	295	131	64	24
26	-	-	-	-	-	-	-	-	267	-	368	166	99	31
27	-	-	-	-	-	-	-	-	344	-	466	203	139	38
28	-	-	-	-	-	-	-	-	-	-	-	254	185	52
29	-	-	-	-	-	-	-	-	-	-	-	306	237	61
30	-	-	-	-	-	-	-	-	-	-	-	386	302	75
31	-	-	-	-	-	-	-	-	-	-	-	-	380	84
32	-	-	-	-	-	-	-	-	-	-	-	-	474	104
33	-	-	-	-	-	-	-	-	-	-	-	-	584	123
34	-	-	-	-	-	-	-	-	-	-	-	-	-	143
35	-	-	-	-	-	-	-	-	-	-	-	-	-	162
36	-	-	-	-	-	-	-	-	-	-	-	-	-	195
37	-	-	-	-	-	-	-	-	-	-	-	-	-	228
38	-	-	-	-	-	-	-	-	-	-	-	-	-	287
39	-	-	-	-	-	-	-	-	-	-	-	-	-	346
40	-	-	-	-	-	-	-	-	-	-	-	-	-	416
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12	20	5	12	4	-	8	-	-	-	5	-	-	-	-
13	63	10	29	6	-	16	4	-	-	9	-	-	-	-
14	126	29	51	16	5	26	9	3	-	12	3	-	-	-
15	297	66	101	29	9	43	15	4	-	18	7	-	-	-
16	471	134	151	53	20	55	23	6	-	24	10	4	-	-

KENO WHEEL™

17	972	252	283	87	32	89	34	13	5	30	15	6	-	-
18	-	467	395	135	52	117	48	22	8	30	20	7	2	-
19	-	809	620	221	82	188	70	33	15	54	27	12	5	-
20	-	-	-	352	126	268	94	46	24	66	35	18	7	-
21	-	-	-	518	186	370	135	63	33	89	45	22	10	4
22	-	-	-	-	279	497	190	83	42	93	59	30	10	5
23	-	-	-	-	414	605	262	110	57	129	73	38	14	-
24	-	-	-	-	-	-	348	146	74	165	88	46	18	8
25	-	-	-	-	-	-	451	188	97	203	108	56	21	12
26	-	-	-	-	-	-	576	247	119	241	131	66	24	15
27	-	-	-	-	-	-	-	321	152	282	159	77	30	19
28	-	-	-	-	-	-	-	-	190	330	185	94	36	24
29	-	-	-	-	-	-	-	-	234	411	221	111	42	29
30	-	-	-	-	-	-	-	-	308	460	262	135	48	32
31	-	-	-	-	-	-	-	-	-	559	308	157	54	38
32	-	-	-	-	-	-	-	-	-	-	360	183	60	44
33	-	-	-	-	-	-	-	-	-	-	420	222	60	50
34	-	-	-	-	-	-	-	-	-	-	482	249	60	50
35	-	-	-	-	-	-	-	-	-	-	-	286	84	57
36	-	-	-	-	-	-	-	-	-	-	-	331	108	65
37	-	-	-	-	-	-	-	-	-	-	-	-	120	75
38	-	-	-	-	-	-	-	-	-	-	-	-	132	89
39	-	-	-	-	-	-	-	-	-	-	-	-	155	103
40	-	-	-	-	-	-	-	-	-	-	-	-	178	118
41	-	-	-	-	-	-	-	-	-	-	-	-	182	138
42	-	-	-	-	-	-	-	-	-	-	-	-	186	152
43	-	-	-	-	-	-	-	-	-	-	-	-	222	166
44	-	-	-	-	-	-	-	-	-	-	-	-	258	181
45	-	-	-	-	-	-	-	-	-	-	-	-	294	201
46	-	-	-	-	-	-	-	-	-	-	-	-	330	224
47	-	-	-	-	-	-	-	-	-	-	-	-	368	252
48	-	-	-	-	-	-	-	-	-	-	-	-	406	278
49	-	-	-	-	-	-	-	-	-	-	-	-	444	314
50	-	-	-	-	-	-	-	-	-	-	-	-	482	350
51	-	-	-	-	-	-	-	-	-	-	-	-	523	386
52	-	-	-	-	-	-	-	-	-	-	-	-	564	424

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