

SEIKO

SEIKO

Concise
Oxford
Thesaurus

ER2100 OPERATION MANUAL

ALWAYS press the “RESET” button on the front of the unit after battery replacement or if the unit fails to operate properly.

UKE2G50AA

SII ● Seiko Instruments Inc.

Thank you for purchasing the ER2100. Please read this operation manual carefully before using the product.

This unit is an Electronic Thesaurus with English Spellchecker using data from Oxford University Press.

The Thesaurus, Spellchecker, Anagram/Crossword Solver and eight Word Games enable you to effortlessly enhance your knowledge of English vocabulary.

The Concise Oxford Thesaurus 2e © Oxford University Press 2002
The British English Word List © Oxford University Press 2003

SEIKO is a registered trademark of Seiko Corporation.

SII is a registered trademark of Seiko Instruments Inc.

© 2004 Seiko Instruments Inc.



EC DECLARATION OF CONFORMITY

This is to certify that this equipment fully conforms to the protection requirements of the following EC Council Directives on the approximation of the laws of the member states relating to:-

Directives	Title
89/336/EEC	Electromagnetic Compatibility
Applicable Standards	
EN55022: 1998	Electromagnetic Compatibility - Emissions (Radiated)
EN55024: 1998	Electromagnetic Compatibility - Immunity (Radiated Susceptibility, ESD)

SEIKO UK Limited SC House, Vanwall Road, Maidenhead, Berks. SL6 4UW U.K.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Note: this device should be disposed of through your local electronic product recycling system
- do not throw away in your domestic rubbish.

CONTENTS

Functions and Features	2	Hangman	34
The Keys and their Functions	6	User Hangman	37
Preparation for using the Unit	8	Jumble	38
1. Resetting	8	User Jumble	40
2. Contrast Adjustment	9	Crossword Quiz	42
3. Demo Function	10	Time Bomb	44
Changing the Battery	12	Memory	46
Spellchecker	14	Hidden	48
Thesaurus	19	Easy Learn	50
Solvers	27	Calculator	54
Selecting the solver	27	Converters	56
Anagram Solver	28	Setting function	62
Crossword Solver	30	Help function	68
Games	32	Proper Use / Specifications	70
Selecting a game	32	ONE YEAR LIMITED WARRANTY	71

Functions and Features

1 Thesaurus

You can find synonyms for the word you enter.

When the word you enter has more than one meaning, the unit will group the synonyms according to part of speech and meaning.

The unit offers a high speed search of over 4 million synonym links.

The thesaurus entries, including examples, sense groupings, and all alternative and opposite words, are taken from the latest edition of the Concise Oxford Thesaurus.

2 Spellchecker

Instant phonetic spelling correction for over 130,000 words ensures you will always have the answer at your fingertips.

You can search for a word using wildcards (“?” and “*”) if you are uncertain of the spelling.

2

3 Solvers

Anagram Solver / Look for new words using the same letters as the word or letters you have entered.

Crossword Solver / Look for the right word by entering letters you know along with question marks for any letters you don't know.

The Crossword Solver database is 200,000 words from Oxford University Press.

4 Word Games

You can take on the challenge of eight different word games set to any one of three levels of difficulty.

Hangman, User Hangman, Jumble, User Jumble, Crossword Quiz, Time Bomb, Memory, Hidden

5 Easy Learn

The Easy Learn function allows you to create your own word list from the Spellchecker, Thesaurus, Solvers and Games.

3

6 Calculator

A full function calculator with memory and % is included.
12 digits, 1 Memory

7 Converters

The conversion function enables you to convert foreign currencies and metric/imperial units of length, area, volume, weight, capacity, power, and temperature.
You can also convert foreign clothing sizes of shirts, shoes, hats etc. for men, women and children.

8 Setting function

You can customize the following operating conditions:
Demo Message, LCD Contrast, Game Level, Game Scores, Easy Learn, Word List

4

9 Help function

An explanation of how to operate the various functions is simply explained on the screen at each operational stage in each mode.

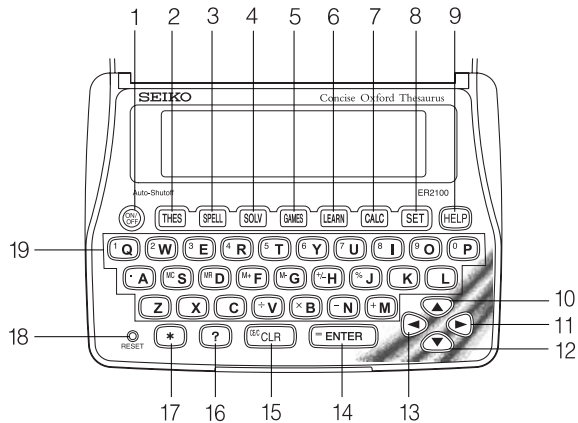
10 Demo function

A demonstration display explains the contents of the unit.

- Unit will automatically TURN OFF when not used for approximately 3 minutes.

5

The Keys and their Functions



6

- 1 Turns the power ON and OFF.
- 2 Selects Thesaurus mode.
- 3 Selects Spellchecker mode.
- 4 Selects Solver mode.
- 5 Selects Game mode.
- 6 Selects Easy Learn mode.
- 7 Selects Calculator mode, Currency, Metric/Imperial and Clothing Size Converters.
- 8 Activates Setting function.
- 9 Activates Help function.
- 10 For scrolling back through the lists in memory. / Cursor key
- 11 Enters a single blank space when pressed once. / Cursor key
- 12 For scrolling down through the lists in memory. / Cursor key
- 13 For deleting the last input character. / Cursor key
- 14 Executes the functions. / Scrolls down within a synonym list.
- 15 Clears all the input characters. / Returns the display to the previous state/levels.
- 16 Used instead of one letter if you don't know how to spell a word.
- 17 Used instead of one or more letters if you don't know how to spell a word.
- 18 RESET button
- 19 Letter, numeral and symbol input keys.

7

Preparation for using the Unit

1. Resetting

Before using the unit, press the “RESET” button on the front of the unit.



The contrast adjustment display will appear. (See page 9.)

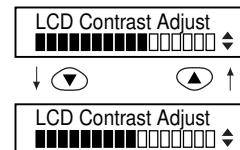
ALWAYS press the “RESET” button on the front of the unit after battery replacement or if the unit fails to operate properly.





NOTE: Pressing the “RESET” button will clear the Easy Learn Memory.

8

2. Contrast Adjustment




1. After resetting, the contrast adjustment display will appear.



2. You can use either   or   to adjust the contrast of the display Level 1 to Level 16. (Initial setting = 10)

3. Press  to finish.

The display will enter the Thesaurus mode.

* If you want to adjust the contrast of the display again, press . Select “LCD Contrast” by using  or . (See page 63.)

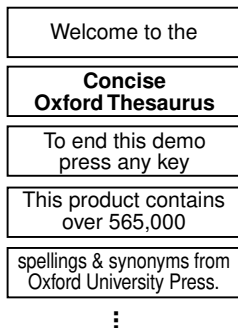
9

3. Demo Function

When you turn on the power, a demonstration display will begin to explain the contents of the unit.

* **You can stop the demonstration by pressing any of the keys.**

The unit will show the initial display of the mode used before the power was last turned off.



10

● To turn off the demonstration display:

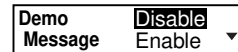
1 Press (SET) .



2 Press (ENTER) .



3 Select “Disable” by using (▼) (▲) or (▶) (◀) .



* If you want to see the demonstration display again, select “Enable”.

4 Press (ENTER) to finish.



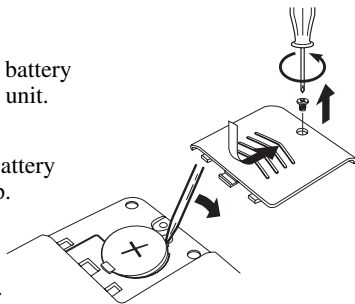
(See page 62.)

11

● Changing the Battery

The battery needs to be changed as soon as the display becomes dim. Make sure that the power is switched off before replacing the battery.

1. Turn the unit OFF.
2. Remove the screw and the battery cover from the back of the unit.
3. Remove the old battery.
4. Insert the new (CR2032) battery with the “+” side facing up.
5. Replace the battery cover and the screw.
6. Press the “RESET” button.



12



CAUTION

- **The battery may pose a choking hazard to small children.**
- **Keep the battery and product away from small children.**
- **Do not expose the battery to open flame or intense heat.**

Resetting:

If the unit does not operate properly after the battery has been replaced, or if at any time the unit fails to operate properly, gently press the “RESET” button.

13

Spellchecker

● If the spelling of a word you enter is correct :

1 Press **[SPELL]** .

Spellchecker
Enter letters...

2 Type a word to be checked.

Example: intellect

Spellchecker
intellect_

3 Press **[ENTER]** .

After the display “Correctly spelt”, the entered word will be displayed in bold on the upper line.

Phonetically similar words may also be displayed on the lower lines.

Searching ⌚

Correctly spelt

intellect
intellects ▼

14

4 The list of phonetically similar words can be displayed by pressing ▼ or ▲ .

⋮
intellects
interlock ◆

5 To scroll alphabetically up or down through the unit’s word list, starting from the displayed word, press ◀ or ▶ followed by ▼ or ▲ .

Alphabetical list
interlock
interlocked ◆

* If you press **[ENTER]** again, the unit will recheck the underlined word to enable you to view further phonetically similar words.

* To clear the display and spellcheck another word, simply enter your new word. Pressing **[CLR]** will also clear the display.

● Entering and Correcting Letters

- Up to 30 letters can be entered.
- Corrections can be made by using ◀ .
- The entire display can be cleared by pressing **[CLR]** .

15

● If the spelling of a word you enter is incorrect :

- 1 Type a word to be checked.

Example: krokadyle

Spellchecker
krokadyle_

- 2 Press **ENTER** .

After the display “Correction list”, a list of words that are phonetically similar to the entered word will be displayed.

Searching ⌂

Correction list

crocodile
crookedly ▼

- 3 Press **▼** to see further candidates.

⋮
crookedly
crocodiles ▲

16

● Using the Wildcard function

If you are unsure of part of the spelling of a word, enter the word using “?” or “*” for the letter(s) of which you are unsure.

Use **[?]** to enter “?”.

This is used in place of a single character.

Use **[*]** to enter “*”. (Up to two “*” can be used.)

This is used in place of one or more characters.

- 1 Type a word.

*Example: p*na?t*

Spellchecker
p*na?t_

- 2 Press **ENTER** .

The first corresponding word will be displayed.

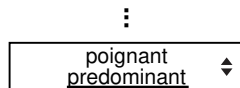
Searching ⌂

pennant
poignant ▼

17

3 You may continue to scroll through the corresponding word list by using

⏏ or ⏮ .



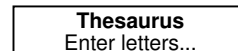
* If the corresponding word list has a great number of words, the unit will check the word list again. In this case you can not return to the first corresponding word.

* To clear the display and spellcheck another word, simply enter your new word.

Thesaurus

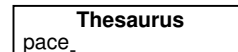
You can investigate the synonyms (and antonyms) for a word you enter. When the word you enter has more than one meaning, the unit will group the synonyms according to part of speech and meaning.

1 Press **THES** .



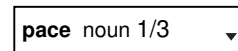
2 Type a word.

Example: pace




3 Press **ENTER** .


First group of synonyms will be displayed.



* Press **CLR** to return to the headword list.

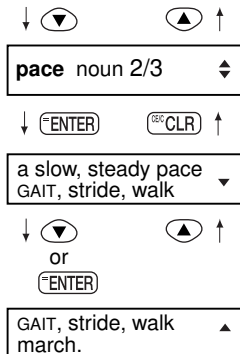
4 If there are two or more groups of synonyms (or antonyms), press  to see each successive group.

Press  to return.

5 Press  to see the example sentence and synonym set.

6 Press  or  to see the rest of the synonyms.

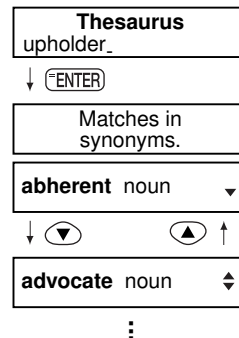
* The synonyms in each set that are closest in meaning to the entry word are given first, usually starting with a 'core synonym' in SMALL CAPITALS.



● Words not in headword

If the entered word is not contained in the headword of the thesaurus but is contained in the synonyms or antonyms data, the unit will find and display the group(s) of the synonyms or antonyms.

Example: upholder



● Synonym groups for phrases

The thesaurus also includes synonym groups for some phrases - these are listed after the groups for the main parts of speech.

Example: pick

Note: For longer phrases, you may need to scroll down to see all the sense numbers.

Thesaurus
pick_
↓ <input type="button" value="ENTER"/>
pick verb 1/5 ▾
↓ <input type="button" value="▼"/> x 7
pick on phrase ⇅

● Homograph numbers

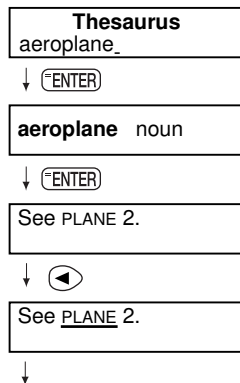
Some terms are treated as more than one headword for lexical purposes - in these cases the headword is displayed along with a headword number, as well as any relevant sense numbers - compare tear 1 (ripping) and tear 2 (weeping)

Thesaurus
tear_
↓ <input type="button" value="ENTER"/>
tear 1 verb 1/5 ▾
↓ <input type="button" value="▼"/> x 8
tear 2 noun ⇅

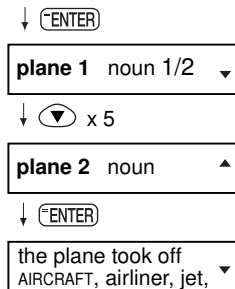
● Complex Entries

To find a thesaurus entry for a word within another list, use ◀ or ▶ to select the word from the screen display, then press (ENTER) to search for the underlined term. This function is particularly useful following cross-references.

Example: aeroplane



24



25

● Words not in memory

If you press **ENTER** when a word you have entered is not contained in the unit's list of entries, or if the word you entered is misspelled, the unit will find and display the word which is spelled most closely to your entered word.

This happens even if the found word has no linguistic relationship to your entered word.

Example: prated

Thesaurus prated_
↓ ENTER
No matches in Thesaurus.
<u>prattle</u> pray

26

Solvers

The unit provides two solvers that can help you to solve word games.

● Selecting the solver

- 1 Press **SOLV** .
The unit returns to the last solver used each time you select the solver mode.
- 2 Select the solver you wish to use by pressing **▼** or **▲** .

SELECT A SOLVER
Anagram Crossword
↓ ▼ ▲ ↑
Anagram Crossword

27

■ Anagram Solver

Look for anagrams using the same letters or words that you entered. You can enter actual words, or jumbled letters.

- 1 Select “Anagram” and then press **ENTER**.

Anagram Solver Enter letters...

- 2 Enter letters.
Example: rail

Anagram Solver rail_

- 3 Press **ENTER**.
The corresponding words will be displayed.

Searching ⌂
aril lair ▼

- 4 You may continue to scroll through the corresponding word list by using **▼** or **▲**.

⋮
lair
lair ▼

- * To clear the display and enter another word, press **CLR** or simply start typing your new word.
- * If the word or letters entered do not have any anagrams, the message “No anagrams found” will be displayed.

■ Crossword Solver

Look for the right word by entering the letters you know along with “?” or “*” for any letters you don’t know.

Use **[?]** to enter “?”.

This is used in place of a single character.

Use **[*]** to enter “* ”. (Up to two “* ” can be used.)

This is used in place of one or more characters.

- 1 Select “Crossword” and then press

[ENTER].

Crossword Solver
Enter letters...

- 2 Enter letters.

*Example: f*uen??*

Crossword Solver
f*uen??_

30



- 3 Press **[ENTER]**.

The corresponding words will be displayed.

Searching 

fluence
fluency ▼

- 4 You may continue to scroll through the corresponding word list by using

 or .

⋮
fluency
frequency ▲

- * The corresponding word list includes words with spaces or hyphens.
- * If the corresponding word list has a great number of words, the unit will check the word list again. In this case you can not return to the first corresponding word.
- * If the letters entered do not have any corresponding words, the message “No words found” will be displayed.

31

Games

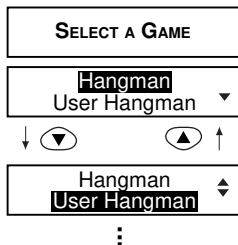
There are 8 great word games that will help you to improve your spelling and vocabulary.

● Selecting a game

- 1 Press **GAMES** .

The unit returns to the last game used each time you select the game mode.

- 2 Select the game you wish to play by pressing **▼** or **▲** .



The games are displayed in the following order:

Hangman, User Hangman, Jumble, User Jumble, Crossword Quiz, Time Bomb, Memory, Hidden


- By pressing the first letter of a game, you can jump directly to the desired game. Further games starting with the same letter can be displayed by pressing the same letter again.

(NOTE)

- * To skip the displayed question, press **CLR** , then the next question will appear. This will not be counted in your score.
- * The Game Levels can be changed from the SET menu. (See page 64.)

■ Hangman

This is a game in which you have to find a mystery word whose spelling is unknown to you with a limited number of allowed tries.

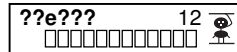
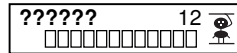
- 1 Select “Hangman” and then press .

The number of letters in the mystery word is indicated by question marks.

The number of times you can try is shown at the right of the screen.

- 2 When you enter one of the letters used in the mystery word, the question mark will be replaced by the letter.

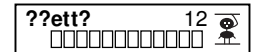
Example: Enter “e”.



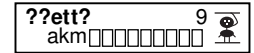
- * In some cases, the same letter is used two or more times in the same word:

When you enter the letter, all the corresponding question marks will be replaced by the letter simultaneously.

Example: Enter “t”.

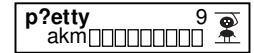


- * The number of tries you are allowed will decrease progressively every time you enter an incorrect letter.



- 3 If all the letters in the word are displayed before you have used up all the tries, a congratulatory message will be displayed and counted in the “Won” column.

Then the next mystery word will be displayed.



↓ (4R)

YOU'RE A WINNER!

pretty
Won:1 Lost:0


- * One letter will be displayed in turn as a “Tip” every time you press **[?]** .
- * All the letters will be displayed if you press **[ENTER]** .
- * If you fail to find the word before you have used up all the tries you are allowed, or if you press **[ENTER]** half way through a game, “Sorry, you lost.” will be displayed and counted in the “Lost” column.

Sorry, you lost.
The answer was ...

pretty
Won:0 Lost:1

The answer will be displayed on the upper line.

Then the next question will be displayed.

????? 10 
□□□□□□□□□□


■ User Hangman

This is the Hangman game for 2 players using words that you can select.

- 1 Select “User Hangman” and then press **[ENTER]** .
- 2 Player 1 enters a word.
You can use up to 12 letters.
Example: wonder
- 3 Press **[ENTER]** .
- * The ensuing procedure is the same as that used in the Hangman Game.
- 4 Player 2 has to guess the mystery word.

User Hangman
Enter a game word...

User Hangman
wonder_

????? 12 
□□□□□□□□□□

*** Tip for Parents ***

This game is a fun way for you to help your children to learn new words from a list or as part of their homework. Select a suitable level, secretly enter your chosen word and then work with them to spell the mystery word correctly .

■ Jumble

Using letters displayed at random, you attempt to find a specified number of words.

- 1 Select “Jumble” and then press **ENTER**.

The selected letters and the number of answers will be displayed, to the right of the “/”.

Example: blowe

- * To shuffle the letters, press **ENTER**.

- 2 Enter the word using all the selected letters.

- * If your answer is incorrect, the message “Please try again.” will appear and the selected letters will be displayed again.

Searching 🕒
blowe 0/3 Try a word...
SHUFFLE
elowb 0/3 Try a word...
elowb 0/3 elbow_

- 3 Press **ENTER**.

If your answer is correct, the selected letters will be displayed again.

Enter the next word and press **ENTER**.

- * The entered answers can be seen again by using **▼** or **▲**.
Press **CLR** to return.

- 4 If you enter all the answers, a congratulatory message will be displayed and counted in the “Won” column.

- * To give up entering letters, press **?**.

- * The answers can be seen by using **▼** or **▲**.

VERY GOOD!
elowb 1/3 Try a word...
CONGRATULATIONS!
below bowel

■ User Jumble

This is a Jumble game using words that you can select.

- 1 Select “User Jumble” and then press **ENTER**.
- 2 Enter a word.
You can use up to 12 letters.
Example: ascot
- 3 Press **ENTER**.
The selected word and the number of other words will be displayed.
- 4 Enter the word using all the selected letters.

User Jumble
Enter game letters...

User Jumble
ascot_

Searching ⌚

ascot 0/3
Try a word...

ascot 0/3
coast

- 5 Press **ENTER**.
If your answer is correct, the selected letters will be displayed again.
Enter the next word and press **ENTER**.
- * The entered answers can be seen again by using **▼** or **▲**.
Press **ESC CLR** to return.

VERY GOOD!

ascot 1/3
Try a word...

- 6 If you enter all the answers, a congratulatory message will be displayed and counted in the “Won” column.
- * To give up entering letters, press **?**.
 - * The answers can be seen by using **▼** or **▲**.

CONGRATULATIONS!

coast

*** Tip for Parents ***

This game is a fun way for you to help your children to learn new words. Simply enter your chosen word and then work with them to find the correct anagrams.

■ Crossword Quiz

Enter a letter or letters to replace the question marks.

- 1 Select “Crossword Quiz” and then press **ENTER**.
The question will be displayed.

Example: ???tom

Enter your guess
???tom

- 2 Enter letters to replace the question marks.

Example: bot

Enter your guess
bottom

- * The entered letter can be changed.
Press **◀** to blink the letter and then enter the new letter.

- 3 Press **ENTER**.

If your answer is correct, a congratulatory message will be displayed and counted in the “Won” column.

Then the next question will be displayed.

EXCELLENT!

bottom
Won:1 Lost:0

- * One letter will be displayed in turn as a “Tip” every time you press **?**.
- * To give up entering letters, press **ENTER**.
- * If your answer is incorrect, or if you press **ENTER**, “Sorry, you lost.” will be displayed and counted in the “Lost” column.
- * Then the first correct solution will be displayed, you can check any alternative solutions by pressing **▼** or **▲**.

■ Time Bomb

This is a game in which you have to find a mystery word with a limited number of tries, in a limited time.

- 1 Select “Time Bomb” and then press .

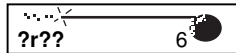
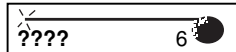
The number of letters in the mystery word is indicated by question marks.

The number of times you can try is shown at the right of the screen.

- 2 When you enter one of the letters used in the mystery word, the question mark will be replaced by the letter.

Example: Enter “r”.

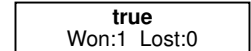
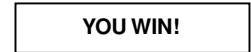
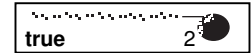
The fuse will also begin to burn down.



- 3 If you complete the spelling of the mystery word before you have used up all the tries or the fuse burns out, a congratulatory message will be displayed and counted in the “Won” column.

Then the next mystery word will be displayed.

- * One letter will be displayed in turn as a “Tip” every time you press .
- * All the letters will be displayed if you press .
- * If you fail to find the word before you have used up all the tries you are allowed, if the fuse burns out, or if you press half way through a game, “Sorry, you lost.” will be displayed and counted in the “Lost” column. Then the answer and the next mystery word will be displayed.



■ Memory

Correctly enter the spelling of word momentarily displayed.

- 1 Select “Memory” and then press **ENTER**.

The word will be displayed for about one second.

Example: bride

bride

Memory Game
Enter a guess...

- 2 Enter the spelling of the word which has just disappeared from the screen.

Memory Game
bride_

- 3 Press **ENTER**.

If your answer is correct, a congratulatory message will be displayed and counted in the “Won” column.

Then the answer and the next word will be displayed.

- * To give up entering letters, press **?**.
- * If your answer is incorrect, or if you press **?**, “Sorry, you lost.” will be displayed and counted in the “Lost” column.

VERY GOOD!

bride
Won:1 Lost:0

■ Hidden

Find the non-synonym word from the displayed words.

- 1 Select “Hidden” and then press **ENTER**.

A list of synonyms is displayed with one random word added that does not belong.

- 2 Select the non-synonym word by using **▶** **◀** or **▼** **▲**.

- * The last word in the list will be followed by a period.
- * Press **?** to see a hint.

**FIND THE
NON-SYNONYM WORD...**

attribute, chalk up,
zodiac, credit, put down, ▼

⋮

zodiac, credit, put down, ▲
accredit, assign, impute.

**WHICH IS NOT
A SYNONYM FOR...**

ascribe

48

- 3 Press **ENTER**.

When the correct word is selected, a congratulatory message will be displayed and counted in the “Won” column.

YOU WIN!

zodiac
Won:1 Lost:0

- * To give up selecting a word, press **ENTER**.
 - * If your answer is incorrect, “Sorry, you lost.” will be displayed and counted in the “Lost” column.
- Then the correct word will appear.

49

Easy Learn

The Easy Learn function allows you to create your own word list from the Spellchecker, Thesaurus, Solvers and Games, which can then be used in the games.

● Building your word list :

The underlined word will be added to your word list by pressing **(LEARN)**.

(See page 14.)

The unit can store words between 3 and 12 letters.

- * If the word to be added is already contained in memory, the message “Word is already in your list” will appear.
- * The unit's memory can store 100 words. When you try to add the 101st word, the message “Sorry, Memory is full” will appear.

intellect
intellects ▼

↓ **(LEARN)**

Word has been added
to your list.

● Finding a word

1 Press **(LEARN)**.

2 Press **(ENTER)** to select “List”.

The word list will be displayed.

3 Press ▼ or ▲ to select a word.

* Press **(THES)** to activate the Thesaurus function.

Easy Learn
List Delete List

aspect
behalf ▼

⋮

pace
respect ▲

↓ **(THES)**

pace noun 1/3 ▼

*** Tip for Parents ***

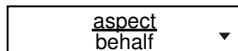
This is a fun way to help your children learn new words from a list as part of their homework. Enter the words into the list as described above, then set the frequency of use in the SET menu. The words will then appear in the games.

● Deleting a word

1 Press **LEARN** .

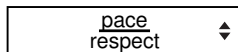


2 Press **ENTER** to select "List".
The word list will be displayed.



⋮

3 Press **▼** or **▲** to select the word you wish to delete.



4 Press **SEC CLR** .



5 Press **ENTER** . The selected word will be deleted from the word list.

* If you decide not to delete the word, select "No" then press **ENTER** .

● Deleting all words

1 Press **LEARN** .



2 Press **▶** to select "Delete List".



3 Press **ENTER** .



4 Press **ENTER** .

* If you decide not to delete the word, select "No" then press **ENTER** .

Calculator

● Keys and their Functions

1. **CALC** Selects Calculator and Unit Converters.
2. **CE/C** Clears last entry with one press, clears all with two presses.
3. 1 ~ 0 Number input keys.
4. +, -, ×, Mathematical function keys.
5. MC Clears memory.
6. MR Recalls number from memory.
7. M+ Enters number into memory.
8. M- Subtracts number from memory.
9. +/- Changes sign of number.
10. % Percentage key.

* The number stored in the memory is held when the calculation is changed, the mode is switched or the power is turned off.

● Correcting and Clearing Entries

If you enter an incorrect number, press **CE/C** to clear the entire displayed number, then re-enter the correct number.
If you press an incorrect mathematical function key, simply press the correct function key afterwards.

If “E” appears in display:

- The answer to a calculation is more than 12 digits.
- The memory is full.
- 0 has been used as a divisor.

Press **CE/C** to remove the “E” and continue.

Converters

● Entering or Changing a Conversion Rate

- 1 Press **(CALC)** .
- 2 Press **(▼)** or **(▲)** to display the conversion menu.
- 3 Press **(ENTER)** to select “Money”.
- 4 Press **(▼)** to select “Exchange Rate”.
- 5 Press **(ENTER)** .
- 6 Enter the new rate and then press **(ENTER)** .

Example: £1=\$1.8

Calculator 0.
Converter Money Metric Clothing
Money →Home Cur. →Local Cur. ▼
Money Exchange Rate ▲
Exchange Rate £1= 1.
Exchange Rate £1= 1.8

56

● Currency Conversion

Example: 540 US Dollar to £ (£1=\$1.8)

- 1 Press **(CALC)** .
 - 2 Press **(▼)** or **(▲)** to display the conversion menu.
 - 3 Press **(ENTER)** to select “Money”.
 - 4 Press **(▶)** to select “→Local Cur.”.
 - 5 Press **(ENTER)** .
 - 6 Enter the amount you wish to convert and then press **(ENTER)** . (*\$540=£300*)
- * You can convert a new amount by entering the new number and pressing **(ENTER)** .

Calculator 0.
Converter Money Metric Clothing
Money →Home Cur. →Local Cur. ▼
Money →Home Cur. →Local Cur. ▼
OC 0.= £0.
OC 540.= £300.

57

● Metric / Imperial Conversion

Example: Kilometres to Miles

- 1 Press **(CALC)** .
- 2 Press **(▼)** or **(▲)** to display the conversion menu.
- 3 Press **(▶)** to select “Metric” and then **(ENTER)** .
- 4 Press **(▶)** to select “Length”.
- 5 Press **(ENTER)** .
- 6 Select “Kilometre” by using **(▶)** **(◀)** or **(▼)** **(▲)** .
- 7 Press **(ENTER)** .

Calculator		0.
Converter		
Money	Metric Clothing	
Metric Converter		
Temperature	Length ▼	
Metric Converter		
Temperature	Length ▼	
Source unit:		
Centimetre	Inch Feet ▼	
Centimetre	Inch	Feet ▲
Yard	Metre	Kilometre ▼
km →		
Centimetre	Inch Feet ▼	

58

- 8 Select “Mile” by using **(▶)** **(◀)** or **(▼)** **(▲)** .

Yard Metre Kilometre ▲
Mile

- 9 Press **(ENTER)** .
Enter the number you wish to convert.

km → mi.
5.km

- 10 Press **(ENTER)** .
(5 Kilometres = 3.10685596119 miles.)

5.km=
3.10685596119mi.

Categories of the Metric Conversion

Temperature: °C, °F

Length: Centimetre, Inch, Feet, Yard, Metre, Kilometre, Mile

Area: Centimetre², Inch², Feet², Yard², Metre², Acre, Kilometre², Mile²

Volume: Centimetre³, Inch³, Feet³, Yard³, Metre³

Weight: Gram, Ounce, Pound, Kilogram

Capacity: Millilitre, Ounce(AM), Ounce(BR), Litre, Quart(AM), Quart(BR), Gallon(AM), Gallon(BR)

Power: Kilowatt, Horsepower

59

● Clothing Size Chart

You can easily check foreign clothing sizes: shirts, shoes, hats etc. for men, women and children.

- 1 Press **CALC** .
- 2 Press **▼** or **▲** to display the conversion menu.
- 3 Press **▶** to select “Clothing” and then **ENTER** .
- 4 Press **▶** to select “Women”.
- 5 Press **ENTER** .
- 6 Select “Dresses” by using **▶** **◀** or **▼** **▲** .

Calculator			0.
Converter			
Money	Metric		Clothing
Clothing Sizes			
Men	Women	Children	
Clothing Sizes			
Blouses	Pullovers	Dresses Coats Sits ▼	
Dresses	Pullovers	Coats Sits ▼	

60

- 7 Press **ENTER** .

Br.	Am.	EU
30	8	36 ▼

- 8 Press **▼** to see more sizes.

Br.	Am.	EU
32	10	38 ▲

⋮

Categories of the Clothing Size Chart

- Men:** Suits, Trousers, Overcoats, Pullovers, Socks, Shoes, Shirts, Hats
- Women:** Blouses, Pullovers, Dresses, Coats, Suits, Skirts, Trousers, Shoes, Stockings
- Children:** Dresses, Coats, Suits, Skirts, Trousers - Girls and Boys
Shoes - Girls and Boys, Other Items - Girls and Boys

61

Setting function

You can customize the operating conditions.

Press **[SET]** and then press **[▼]** **[▲]** or **[▶]** **[◀]** to select an item, when you want to change the default settings.

● Changing the Demo mode

1 Press **[SET]** .

Press **[▼]** **[▲]** or **[▶]** **[◀]** to select “Demo Message”.

2 Press **[ENTER]** .

3 Press **[▼]** **[▲]** or **[▶]** **[◀]** to select “Disable” or “Enable”.

4 Press **[ENTER]** to set it.
(See page 11.)



62

● Setting the LCD Contrast

1 Press **[SET]** .

Press **[▼]** **[▲]** or **[▶]** **[◀]** to select “LCD Contrast”.

2 Press **[ENTER]** .

3 Press **[▼]** **[▲]** or **[▶]** **[◀]** to adjust the contrast of the LCD display.

4 Press **[ENTER]** to set it.
(See page 9.)



63

● Setting the Game Level

The unit provides three skill levels for playing games (Beginner, Intermediate and Advanced). The level can be changed as required.

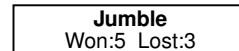
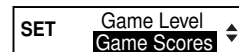
- 1 Press **SET** .
Press **▼** **▲** or **▶** **◀** to select “Game Level”.
- 2 Press **ENTER** .
- 3 Press **▼** **▲** or **▶** **◀** to select one of the levels.
- 4 Press **ENTER** to set it.



● Score of the Games

The unit can display the score of the games.

- 1 Press **SET** .
Press **▼** **▲** or **▶** **◀** to select “Game Scores”.
- 2 Press **ENTER** .
Press **▼** **▲** or **▶** **◀** to select one of the games.
- 3 Press **ENTER** to display the score of the selected game.
- 4 Press **ENTER** .
“Clear Score?” will be displayed.
Press **▼** **▲** or **▶** **◀** to select “Yes” or “No” and then press **ENTER** .



● Setting the frequency for the Easy Learn list

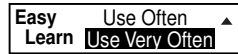
The unit provides four frequency levels to use your user word list (Use Very Often, Use Often, Use Seldom and Never Use) for playing games.

1 Press **SET** .

Press **▼ ▲** or **▶ ◀** to select “Easy Learn”.



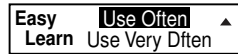
2 Press **ENTER** .



3 Press **▼ ▲** or **▶ ◀** to select one of the frequency levels.



4 Press **ENTER** to set it.



● Setting the Word Level for Solvers

The word list for the Anagram Solver and Crossword Solver can be selected between the Beginner level and Professional level.

1 Press **SET** .

Press **▼ ▲** or **▶ ◀** to select “Solver Level”.



2 Press **ENTER** .



3 Press **▼ ▲** or **▶ ◀** to select “Beginner” or “Professional”.



Beginner: 130,000 word from the spellchecker
Professional: Full 200,000 word from the solver



4 Press **ENTER** to set it.

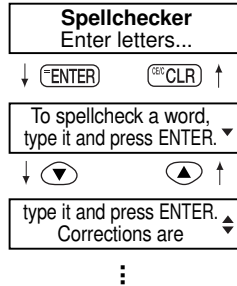


Help function

An explanation of how to operate the various functions is simply explained on the screen at each operational stage in each mode.

Example:

- 1 Press **[SPELL]** .
- 2 Press **[HELP]** .
- 3 Press **[▼]** to see the rest of the explanation.
Press **[▲]** to scroll up.



Proper Use

To ensure a long and useful life from this precision electronic instrument, do not expose the unit to extreme heat or cold, water or other liquids including spray cleaners or extreme pressure (such as carrying in a back pocket).

Doing any or all of these things may render the unit inoperable and invalidate the warranty.

Specification

Display:	21 characters x 2 lines
Temperature range:	0° C to +40° C (32°F to 104° F)
Battery:	Lithium CR2032 x 1 pc.
Battery life:	approx. 600 hours (continuous use)
Automatic power off:	approx. 3 minutes
Size:	108 (W) x 77 (H) x 13.5 (D) mm
Weight:	approx. 65g (including battery)

- * Specifications may change without notice due to our policy of continual product improvement. / The life of the battery will vary depending on how the unit is used.

ONE YEAR LIMITED WARRANTY

1. This product is warranted to be free from defects in material or workmanship for one year from date of purchase.
2. Repair (or at our option, replacement) will be made on any unit which proves to be defective during this period. Carefully pack the unit along with proof of purchase and a completed copy of the Warranty Record you will find in this manual. Postage, insurance and shipping costs incurred in returning the product for warranty service are your responsibility.
3. This warranty does not extend to units which have been subjected to misuse, abuse, neglect, accidents or to units that have been used in violation of the operation instructions. If in our judgement, the unit shows evidence of having been altered, modified or serviced without our authorisation, it will be ineligible for service under this warranty.
4. In Europe, this warranty does not affect your statutory rights.
5. **Battery replacement and broken Liquid Crystal Displays are not covered under this warranty.**

Seiko Instruments Inc. shall not be liable for any direct, consequential or incidental damages arising out of use of this product. Seiko Instruments Inc. shall not be responsible for damages to this unit as a result of a natural or unnatural disaster, except to the extent prohibited by applicable law. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of the warranty.