The IBM Electronic Typewriter Model 75 is a 96-character, single-element machine. The electronic logic in the machine reduces the amount of mechanical parts and increases the applications of the typewriter, compared with non-electronic machines. Both 15.5 inch (394 mm) and 19.1 inch (485 mm) machines are available.

The machine is designed for applications similar to the IBM Electronic Typewriter Models 50 and 60 and the IBM Memory Typewriter. The machine also provides some new features in addition to the features of the Model 50/60.

As text is entered at the keyboard, it passes through the electronics which sends electrical signals to the carrier and electromagnets within the machine. The Model 75 can store 7,500 characters in the electronic storage.

STANDARD FEATURES OF THE IBM ELECTRONIC TYPEWRITER 75

- AUTOMATIC CARRIER RETURN
- AUTOMATIC CENTERING
- AUTOMATIC INDENT
- AUTOMATIC LINE ERROR CORRECTION
- AUTOMATIC TAB GRID
- AUTOMATIC UNDERSCORE
- CHARACTER STORAGE BUFFER
- COLUMN LAYOUT
- DECIMAL TABULATION
- DOCUMENT AND PHRASE STORAGE
- DOCUMENT REVISION
- HYPHENATION MODE
- LIGHTED MARGIN SCALES
- MESSAGE LIGHTS
- NO PRINT
- PITCH SELECTION
- PRESELECTIVE PHRASE PLAYBACK
- SEMI-AUTOMATIC PAPER INSERTION

OPTIONAL FEATURES

- CARDHOLDING PLATEN
- DEAD KEY DISCONNECT
- DUAL LANGUAGE
- EXPANDED MEMORY
- MANUAL VELOCITY CONTROL
- MEMORY PROTECTION
- PIN FEED PLATEN
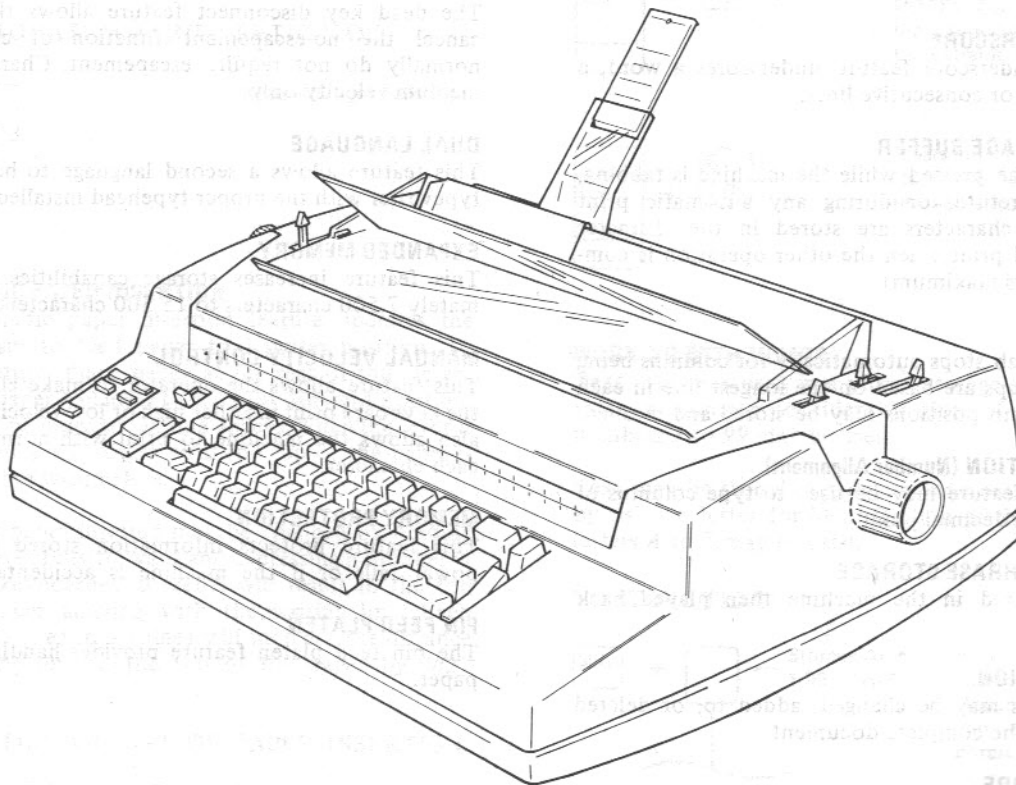
STANDARD FEATURES OF THE IBM ELECTRONIC TYPEWRITER

AUTOMATIC CARRIER RETURN

The carrier returns automatically if the Auto Rtn light is on, and a character follows a spacebar or hyphen when the carrier is five spaces to the left of the right margin. The character following the spacebar or hyphen prints at the left margin after the carrier return is completed.

During playback, this feature may also be used with a new right margin to change the line length of the played back text.

AUTOMATIC CENTERING

Headings or text may be centered automatically when a center code is entered before the headings or text.

AUTOMATIC INDENT

The carrier automatically returns to the indent position after the carrier return and when a coded tab has been entered.

AUTOMATIC LINE ERROR CORRECTION

Printed characters in a line may be corrected by depressing only the backspace correction keybutton, provided the carrier has not returned.

AUTOMATIC TAB GRID

A grid of tab stops one inch apart is automatically set when the machine is turned on. This grid is set when all other tab stops are cleared or when the standard tabs code is entered. Each of the four pitch selections has a separate tab grid.

AUTOMATIC UNDERSCORE

The automatic underscore feature underscores a word, a line, part of a line, or consecutive lines.

CHARACTER STORAGE BUFFER

Keybuttons may be pressed while the machine is tabbing, during a carrier return, or during any automatic print operation. These characters are stored in the character storage buffer and print when the other operation is complete (31 characters maximum).

COLUMN LAYOUT

This feature sets tab stops automatically for columns being typed. The tab stops are based on the longest line in each column. The column positions may be stored and recalled.

DECIMAL TABULATION (Number Alignment)

The decimal tab feature may be used to type columns of figures aligned to a decimal point.

DOCUMENT AND PHRASE STORAGE

Text may be stored in the machine then played back automatically.

DOCUMENT REVISION

Stored documents may be changed, added to, or deleted without retyping the complete document.

HYPHENATION MODE

When the Hyphenate light is on, the machine will stop automatic playback if the next word to be printed would go past the right margin. A decision may then be made and playback started again.

LIGHTED MARGIN SCALES

The margin scale for the pitch selected is lighted when the main power and motor switches are on.

MESSAGE LIGHTS

The lighted words on the message panel indicate the mode of the machine.

NO PRINT

If the no-print code is entered, any typed text does not print on the paper. This feature may be used to store characters to be corrected in line memory.

PITCH SELECTION

Both 10-pitch and 12-pitch typestyles may be used. Two sets of tab stops and margins may be stored in each pitch.

PRESELECTIVE PHRASE PLAYBACK

While the machine is printing text from phrase storage, other phrases may be programmed to play back in sequence.

SEMI-AUTOMATIC PAPER INSERTION

The index mechanism automatically positions the paper at the first writing line when the paper bail arm is moved to the full forward position, then released.

OPTIONAL FEATURES

CARDHOLDING PLATEN

The platen securely holds the top or bottom of stiff cards.

DEAD KEY DISCONNECT

The dead key disconnect feature allows the operator to cancel the no-escapement function of characters that normally do not require escapement. Characters print in medium velocity only.

DUAL LANGUAGE

This feature allows a second language to be typed on the typewriter with the proper typehead installed.

EXPANDED MEMORY

This feature increases storage capabilities from approximately 7,500 characters to 15,500 characters.

MANUAL VELOCITY CONTROL

This feature allows the operator to make all characters on the keyboard print in either high or low velocity. This feature also allows the machine to print with normal velocity for each character.

MEMORY PROTECTION

This feature protects information stored in memory if power fails or if the machine is accidentally unplugged.

PIN FEED PLATEN

The pin feed platen feature provides handling of pin feed paper.

This section is designed as a guide to aid the Customer Engineer in determining whether there is a machine malfunction or an operator instruction problem. This is not a complete operator's manual. If further information is needed, refer to the IBM Electronic Typewriter operating instruction manuals and reference manuals.

The operating instructions in this section apply to the operations of the Model 75 only. They are in addition to the Model 50 and 60 operations or are operated differently.

Symbols on keybuttons referred to in this section are U.S. Correspondence arrangement and may differ from the symbols on some other keyboard arrangements.

AUTOMATIC CARRIER RETURN

The automatic carrier return feature is similar to the Model 60, but is automatically turned on when power is applied to the typewriter. A right margin should be set for the automatic carrier return. To turn the automatic carrier return off, the operator must keyboard two coded R's.

TO TURN AUTOMATIC CARRIER RETURN OFF:

| Code | + | R / A Rtn | (Two Times) |

Auto Rtn light goes out.

TO TURN AUTOMATIC CARRIER RETURN ON:

| Code | + | R / A Rtn |
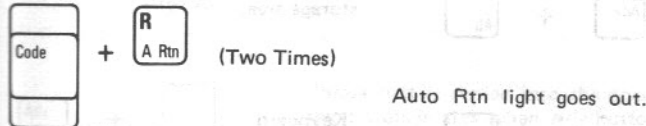
Auto Rtn light comes on.

SEMI-AUTOMATIC PAPER INSERTION

The semi-automatic paper insertion feature operates the index mechanism to feed paper to a preset position. To operate the feature, place paper at the rear of the platen, then move the paper bail lever to the fully forward position. The platen will be indexed six line spaces. When the lever is released the platen will rotate until the top of the paper is one inch above the writing line.

The amount of paper inserted may be changed by holding the paper bail lever fully forward and depressing a numbered keybutton. A keyboarded 0 (zero) will result in the top edge of the paper aligning with the writing line. Each number from 1 (one) to 9 (nine) will increase the distance from the writing line to the top of the paper by 1/2" (12.70mm).

TO CHANGE THE AMOUNT OF PAPER INSERTION:

Paper will move to preset position when semi-automatic paper insertion is operated.
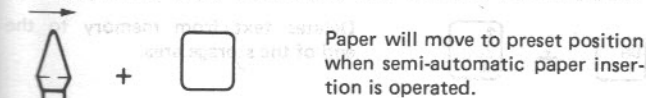
Paper Bail Lever Fully Forward   0 To 9 Keybutton

CHARACTER STORAGE BUFFER

The Model 75 character storage buffer electronically stores up to 31 keyboarded characters in memory while the printer is performing another operation. This allows the operator to continue keyboarding during a carrier return, a tab or a playback operation.

MARGIN RELEASE

| Code | + | Backspace |
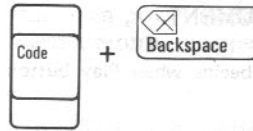
Carrier moves left through the left margin and operates like a margin release.

(At The Left Margin)

TAB GRID

A standard one-inch tab grid is set when the main power switch is turned on. If other tab stops are set, the grid will be cleared when the carrier is returned. A coded A will reset the standard tab grid and clear all previously set tab stops.
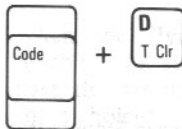
| Code | + | A / Std T |
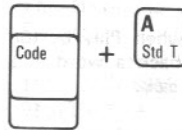
Sets standard tab grid and clears all set tab stops in the pitch selected.

| Code | + | S / T Set |
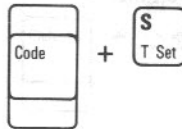
Sets single tab stops.

NOTE: Carrier return then clears the tab grid and sets a tab stop at the extreme right of the machine.

| Code | + | D / T Clr |

Clears single tab stops. If all tab stops are cleared, the tab grid is restored automatically.

WORKING WITH MEMORY

Text may be stored in a phrase storage area of memory by using a number for identification of that phrase. The numbers 1 to 99 may be used.

Text may be stored in a document storage area of memory by using a letter for identification of that document. The letters A to Z may be used.

TO STORE TEXT:

| Store | + | [ ] ← Storage Area 1-99 or A-Z |

Keyboard Text

| Store |
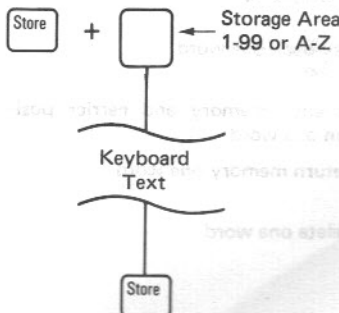
When the buttons are released, the phrase or Document light comes on and the machine is in phrase or document mode.

Text enters memory and prints on paper.

Phrase or Document light off. The machine is no longer in phrase or document mode.

NOTE: It is possible to store in phrase and document at the same time. To do so, the document storage area must be selected first, then the phrase storage area. To end the phrase storage, depress the Store button, and the Phrase light will go out. At this point you may end Document Storage by pushing Store again or you may select another phrase storage area by holding down the Store button and depressing another numbered keybutton.

TO PLAY BACK PHRASE OR DOCUMENT:

[Store] + [Storage Area 1-99 Or A-Z]
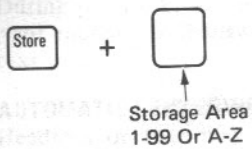
Operation begins when Play button is released.

Typewriter will play back all text in storage area unless stop code is read.

To Stop Playback:

[Play]

Playback stops at the next space.

To Play Back A Word:

[Play]

Operation begins when Play button is released. Plays back a word at a time, or stops playback.

To Play Back A Line:

[Play] + [" Line]

Plays back a line at a time.

To Play Back All Text In Storage Area:

[Play] + [? / All]

Plays back all of text, or continues to end of text.

TO REVISE A DOCUMENT:

[Store] + [Storage Area A-Z]
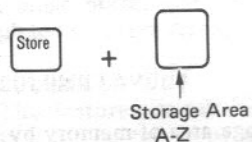
Operation begins when Store button is released. Document light on. Storage area is selected.

To make revisions within a document, locate the memory to the position where the change is required, then keyboard or delete text. When text is added to memory, it does not erase other text from memory.

When the Document light is on, depressing and releasing these buttons causes the typewriter to:

[Play]   Play back one word

[Adv]   Advance memory and carrier position one word
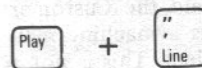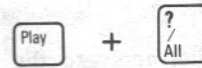
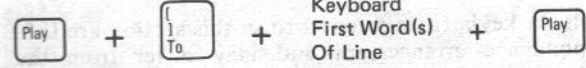[Rtn]   Return memory one word

[Del]   Delete one word

When the document light is on, the combination of these buttons causes the typewriter to:
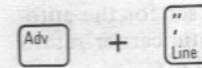
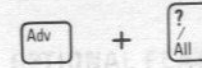[Play] + [" Line]

Play back one line or remainder of one line.

[Play] + [? / All]

Play back all text or remaining text in a storage area.

[Play] + [[ ] To] + [Keyboard First Word(s) Of Line] + [Play]

Play back text up to word(s) keyboarded.

[Adv] + [" Line]

Advance memory to the beginning of the next line.

[Adv] + [? / All]

Advance memory to end of text in storage area.
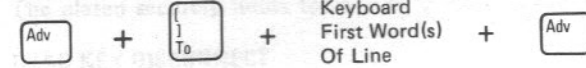
[Adv] + [[ ] To] + [Keyboard First Word(s) Of Line] + [Adv]

Advances memory to start of that line.

[Rtn] + [" Line]
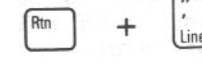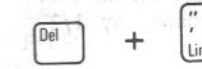
Return memory to the beginning of the line. (If memory is at the beginning of a line, return is to beginning of previous line).
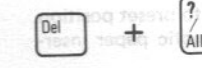
[Rtn] + [? / All]
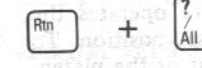
Returns memory to the beginning of the storage area.
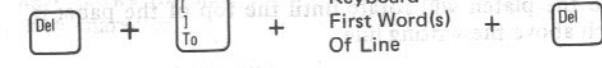
[Del] + [[ ] To] + [Keyboard First Word(s) Of Line] + [Del]

Returns memory to start of that line.

[Del] + [" Line]

Deletes text from memory to the beginning of the next line.

[Del] + [? / All]

Deletes text from memory to the end of the storage area.

Keys	Description
[Del] + [[] / To] + Keyboard First Word(s) Of Line + [Del]	Deletes text from memory to that line.
[Store]	Document light off when button is released (if Phrase light is off).
[Del] + [ ] ↑ Document Storage Area A-Z	Deletes all information in that storage area.

TO REVISE A PHRASE:

Keys	Description
[Store] + [ ] ↑ Document Storage Area A-Z	Document light on when the Store button is released. (Select a document storage area not in use and empty.)
[Adv] + [ ] ↑ Phrase Storage Area 1-99	Phrase text is copied into the document storage area when Adv button is released. (The phrase text is also in phrase storage area.) Memory is at the end of that text in the document storage area.
～ Revise Text ～	Revise text. (See procedures in "TO REVISE A DOCUMENT" section.)
[Rtn] + [ ] ↑ Phrase Storage Area 1-99	Revised text is stored in phrase storage area when Rtn button is released. NOTE: This will erase all text already stored in that phrase storage area.
[Del] + [ ] ↑ Document Storage Area A-Z	Text is deleted from document storage area when Del button is released.
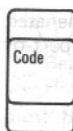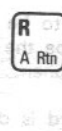
AUTOMATIC CARRIER RETURN

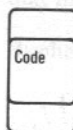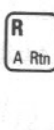| Keys	Description
[Code] + [R / A Rtn]	Auto Rtn light on. Machine is in automatic carrier return mode. NOTE: A right margin must be set for automatic carrier return operation.

NOTE: Automatic carrier return is automatically set when the main power switch is turned on. To turn off automatic carrier return, the operator must keyboard two *R*'s.

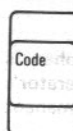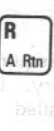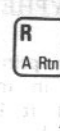To Clear Automatic Carrier Return And Hyphenate:

Keys	Description
[Code] + [R / A Rtn]	Automatic carrier return and hyphenate are cleared.

HYPHENATE FEATURE
The Hyphenate feature is used with the Automatic Carrier Return.

TO OPERATE HYPHENATE FEATURE DURING PLAYBACK:
(If Auto Rtn Light Is Off):

Keys	Description
[Code] + [R / A Rtn] + [R / A Rtn]	Auto Rtn light and Hyphenate light turned on. Machine is in Hyphenate mode.

When the Hyphenate light is on during playback, the machine will stop if the next word to be printed would go past the set right margin. At this point the operator has three choices.

1. TO KEEP THE WORD ON THAT LINE:

Keys	Description
[Play] + [? / / All]	Word prints on same line.

2. TO PUT THE WORD ON THE NEXT LINE:

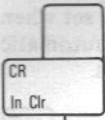| Keys	Description
[CR / In Clr] Then [Play] + [? / / All]	Carrier returns to next line and playout continues.

3. TO HYPHENATE THE WORD:

Del

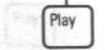Delete the word to be hyphenated from playout. Type the first part of the word and a hyphen.

NOTE: The word is deleted from memory if the document light is on.

The carrier returns to next line.

CR
In Clr
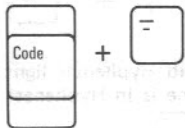
Keyboard
Rest Of Word

Word prints on paper.

**Play** + **?/All**

Playout continues.

NOTE: If words or numbers with required hyphens are stored, the code and hyphen button should be used. This will prevent the automatic deletion of the hyphen when the word or number is played back and is located within the line.

TO OPERATE A REQUIRED HYPHEN:

Code + **=**

Hyphen prints. Required hyphen is stored in memory. (In operator's manual it is called a permanent hyphen.)

WORD UNDERSCORE

Code + **I XXX**
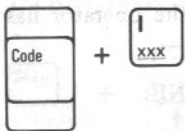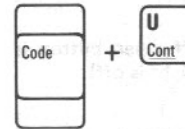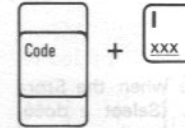
Machine automatically underscores a word. (This is the same as the Model 50/60 but the keybutton has XXX symbols.

CONTINUOUS UNDERSCORE

With the carrier positioned where the underscore should start.

Code + **U Cont**

Keyboard
**Text To Be**
Underscored

Code + **I XXX**

Carrier will move back to where underscore is to start then underscore the line.

If the next line is to be continuously underscored, depress carrier return instead of Code and XXX. Each subsequent line will be automatically underscored when the carrier return is depressed until Code + XXX is used.

COLUMN LAYOUT

Code + **L Col L**
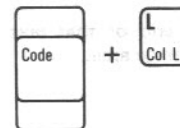
Column layout light on. Instructs typewriter to set column layout. (This is similar to the Model 50/60 but an indicator light comes on when column layout is coded.)

Code + **L Col L**
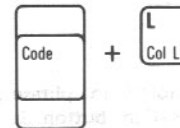
Columns light goes off and original tabs are restored.

NOTE: While centering or using tab to type a column (columns light on) at the right margin, the Auto Return light will go off, then come back on after a carrier return.

BLINKING LIGHTS AND BELL

Bell rings three times, and Document and/or Phrase lights blink (during text storage):

This indicates that there is only space for one hundred characters or functions in memory.

NOTE: To complete storage of a document or phrase, it may be necessary to delete some text from another storage area. (Refer to "TO REVISE A DOCUMENT.") After a storage area is deleted for this reason, the machine automatically returns to the original document at the position where the bell rang.

Document and/or Phrase lights blinking:
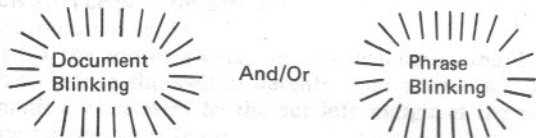
This indicates less than one hundred characters or functions in Memory.

Bell rings one time when keyboarding:

This indicates that the carrier is one-half inch from the right margin.

Bell rings one time when using Adv To, Rtn To, Play To, or Del To:

This indicates that the machine cannot find a line in memory starting with the word(s) keyboarded.

Bell rings one time when play button is depressed after the Del button during Hyphenate decision in playout:

This is a warning that the word to be hyphenated will not be printed.

Bell rings each time a keybutton is depressed: (Phrase and/or Document lights blinking)

This indicates that the memory is full and no more text may be stored until a storage area is deleted.

Bell rings when coded L is depressed.

This indicates that the machine is in continuous underscore mode. Continuous underscore mode must be cancelled to continue with column layout.

NOTE: If multiple space bars and/or backspaces are used to fill memory, when played back, the carrier does not space or backspace the same as when stored. Also, if lines contain only spacebars and/or tabs between carrier returns, the index does not operate when the carrier returns and that line is not stored in memory.

Hyphenate light blinking:

This indicates that a hyphenation decision is necessary to continue with playback.