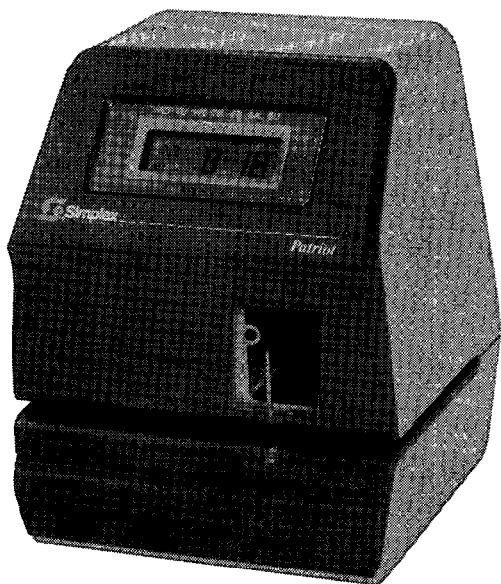


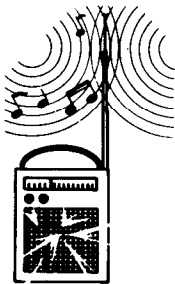
Installation, Operating, and Programming Instructions



IMPORTANT

Upon unpacking the Patriot™, inspect the contents of the carton for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify Simplex. **DO NOT INSTALL ANY Patriot™ THAT APPEARS DAMAGED.**

WARNING



This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

CAUTION

ELECTRICAL HAZARD



Disconnect electrical power when making any internal adjustments or repairs. Installation and servicing should be performed by qualified Simplex Representatives.

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SPECIFICATIONS

Timekeeping:	Quartz (accuracy ± 15 seconds/month)
Power Requirement:	120 VAC (USA/Canada); 230 VAC (Europe/Asia)
Power Consumption:	120 VAC 20.0 VA max. when printing 3.3 VA when idling 0.2 A max. when printing 230 VAC 20.0 VA max. when printing 4.0 VA when idling 0.1 A max. when printing
Environment:	+23°F to +113°F (-5°C to +45°C); 20% to 80% relative humidity, non-condensing
Dimensions:	Depth = 6-3/16 in. (157 mm) Width = 6-27/32 in. (174 mm) Height = 8-3/16 in. (208 mm) Weight = 5.5 lbs. (5.2 Kg)
Display:	7-segment LCD w/date, hour, minute, and day of week indications
Daylight Saving Time (DST) Change:	Automatic
Print Mechanism:	Dot matrix, 9-pin impact
Print Trigger:	Card activation; manual activation; card and manual activation
Print Position:	Adjustable card stop/trigger; either right-hand or left-hand print
Perpetual Calendar:	1994 to 2089 (automatically accommodates leap years)
Maximum Number of Printable Characters:	For time and date only, 15 characters (excludes spaces) For time, date and numbering, 15 characters — includes one 3-digit number (excludes spaces) For date and numbering only, 15 characters — includes one 6-digit number (excludes spaces)
Hour Formats:	1-12 or 00-23 hours
Fractional Hour:	36-second increments (1/100th hour); 1-minute increments (1/60th hour); 3-minute increments (1/20th hour); and 6-minute increments (1/10th hour)
Multiple Copies:	Original plus 4 (maximum thickness = 3 mm)
Ribbon:	Inked fabric tape (cassette enclosed, endless)
Optional Equipment:	Battery (allows up to 200 punches or up to 72 hours of operation during power outages)

GENERAL

Patriot™ is a multipurpose machine that can be used as a job/cost recorder, a dater, a combination dater and numbering machine, a time stamp, or a combination time stamp and numbering machine.

Patriot™ can be either wall or tabletop-mounted. Accessible DIP switches allow it to be programmed for left-hand print, right-hand print, a variety of print formats, a variety of languages, and for any of three print configurations. In addition, the Patriot™ can be made to print anywhere from flush with the document's edge to 1-1/3 inches (3.27 cm) from the document's edge.

PRE-INSTALLATION PROCEDURE

Check the package to ensure that, in addition to this manual, the package contains two keys, a Patriot™, four mounting screws, and a wall-mounting template (Figure 1).

CAUTION: Do not install the Patriot™ in places subject to high humidity and dust, in places subject to strong vibrations, in areas exposed to direct sunlight, or in places subject to temperatures below 23°F (-5°C) or above 113°F (45°C).

INSTALLATION PROCEDURES

Note: If the Patriot™ is to sit on a desk rather than to mount on a wall, only perform steps 3, 4, and 6 below.

TO MOUNT ON WALL

Note: Do not mount the Patriot™ directly to plasterboard, panelling, brick, or concrete block. Rather, using appropriate fasteners, secure a board to the wall and then mount the Patriot™ to the board.

1. At a height convenient for all members of the work force and within 6 ft. (1.9 meters) of a power outlet, use the mounting template (Figure 1) to mark the points where the mounting screws for the Patriot™ are to be installed.
2. Leaving 1/8 in. (3.1 mm) of screw shank exposed, screw the mounting screws into place.

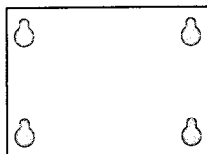


Figure 1

3. Unlock the cover. Then lift the cover up and off the Patriot™ (see Figure 2).

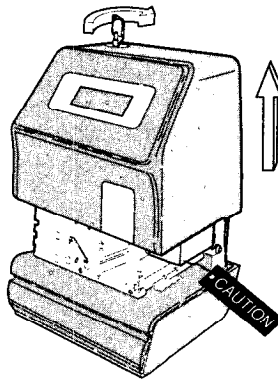


Figure 2

4. Remove and discard the protection pad (see Figure 3).

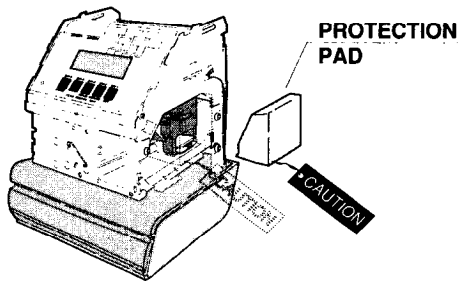


Figure 3

5. Hang the Patriot™ from the mounting screws.
6. Plug the power cord into the power outlet.
 - Patriot™ displays its current time and date.
7. Set up and program the Patriot™ (see pages 4 through 12).
8. Install and lock the cover.

TO SET THE PRINT MARGIN (FIGURE 4)

1. Determine where you want the leading edge of the imprint placed with respect to the card/document edge.
2. Lay the Patriot™ on its back. Then set the trigger stop to the depth desired.
 - Extreme rear = flush with the card's edge; extreme front = indented 1.18 in. (30 mm).

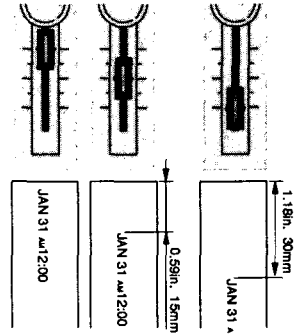


Figure 4

TO CHANGE THE RIBBON (Figure 5)

TO REMOVE THE OLD RIBBON CASSETTE

1. Unlock and remove the cover.
 - The cover lifts straight up and off the Patriot™.
2. Grasp the ribbon cassette by its tab and pull it straight out the side of the Patriot™.

TO INSTALL THE REPLACEMENT CASSETTE

1. Unpack a new ribbon cassette.
2. Rotate the white knob on the replacement cassette clockwise to remove all ribbon slack.
3. Slide the replacement cassette's exposed ribbon under the print head. Then:
 - a. Align the projections on the cassette with the ears on the cassette holder.
 - b. Snap the replacement cassette into place.
4. Take up all ribbon slack. Then take a test print on a clean sheet of paper.
 - Ensure that the imprint is complete and smudge-free.

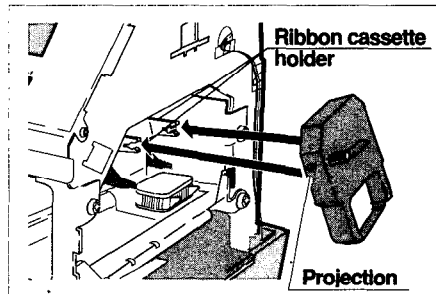


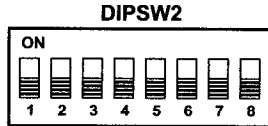
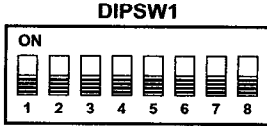
Figure 5

SETUP INSTRUCTIONS

GENERAL

Except for setting the print margin, set up the Patriot™ by using DIP switches DIPSW1 and DIPSW2 (found on the upper left of the display panel).

- Use a small screwdriver or the tip of a ball point pen to set the switches.



TO SET THE PRINT LINE FORMAT

From the menu below, choose the print line format. Then set DIP switches SW-1 through SW-6 accordingly.

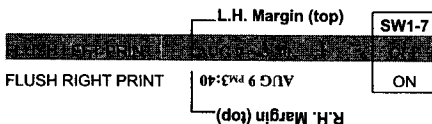
Note 1: = Off; = On

Note 2: For abbreviations, see the legend on the following page.

Print Line Format	Example	Switch Settings					
		SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6
MNTH,DOM,HH,MM	AUG 9 PM3:40	OFF	OFF	OFF	OFF	OFF	OFF
YR,MNTH,DOM,HH,MM	'94 AUG 9 PM3:40	ON	OFF	OFF	OFF	OFF	OFF
DOM,MNTH,YR,HH,MM	9 AUG '94 PM3:40	ON	OFF	OFF	OFF	ON	OFF
MNTH,DOM,YR,HH,MM	AUG 9 '94 PM3:40	ON	OFF	OFF	OFF	OFF	ON
DOM,HH,MM	9 PM3:40	OFF	ON	OFF	OFF	OFF	OFF
DOW,DOM,HH,MM	TU 9 PM3:40	ON	ON	OFF	OFF	OFF	OFF
NBR SEQ,DOM,HH,MM	000000 9 PM3:40	OFF	OFF	ON	OFF	OFF	OFF
NBR SEQ,MNTH,DOM,HH,MM	000 AUG 9 PM3:40	ON	OFF	ON	OFF	OFF	OFF
NBR SEQ,MNTH,DOM,YR	000000 AUG 9 '94	OFF	ON	ON	OFF	OFF	OFF
NBR SEQ,DOM,MNTH,YR	000000 9 AUG '94	OFF	ON	ON	ON	OFF	OFF
NBR SEQ,YR,MNTH,DOM	000000 '94 AUG 9	OFF	ON	ON	OFF	ON	OFF
MNTH,DOM,YR,NBR SEQ	AUG 9 '94 000000	OFF	ON	ON	ON	ON	OFF
DOM,MNTH,YR,NBR SEQ	9 AUG '94 000000	OFF	ON	ON	OFF	OFF	ON
YR,MNTH,DOM,NBR SEQ	'94 AUG 9 000000	OFF	ON	ON	ON	ON	ON
COM,MNTH,DOM,YR	RCVD AUG 9 '94	ON	ON	ON	OFF	OFF	OFF
COM,DOM,MNTH,YR	RCVD 9 AUG '94	ON	ON	ON	ON	OFF	OFF
COM,YR,MNTH,DOM	RCVD '94 AUG 9	ON	ON	ON	OFF	ON	OFF
MNTH,DOM,YR,COM	AUG 9 '94 RCVD	ON	ON	ON	ON	ON	OFF
DOM,MNTH,YR,COM	9 AUG '94 RCVD	ON	ON	ON	OFF	OFF	ON
YR,MNTH,DOM,COM	'94 AUG 9 RCVD	ON	ON	ON	ON	OFF	ON
COM,DOM,HH,MM	RCVD 9 PM3:40	ON	ON	ON	ON	ON	ON

TO SET THE PRINT ORIENTATION

From the menu below, choose the print orientation. Then set DIP switch SW1-7 accordingly.



TO SET THE MEANS OF PRINT ACTIVATION

From the menu below, choose the print activation method. Then set DIP switches SW1-8 and SW2-1 accordingly.

	SW1-8	SW2-1
PRINT ACTIVATED BY CARD/DOCUMENT	OFF	OFF
PRINT ACTIVATED BY PUSH PLATE	ON	OFF
PRINT ACTIVATED BY CARD AND PUSH PLATE	OFF	ON

TO SET THE HOURS AND MINUTES FORMAT

From the menu below, choose the hours and minutes format. Then set DIP switches SW2-2 through SW2-5 accordingly.

Note: The following print examples assume switches SW1-1 through SW1-6 are OFF.

		SW2-2	SW2-3	SW2-4	SW2-5
REG HRS, MINS	AUG 9 PM3:40	OFF	OFF	OFF	OFF
REG HRS, 100THS OF HRS	AUG 9 PM3.67	ON	OFF	OFF	OFF
REG HRS, 20THS OF HRS	AUG 9 PM3.65	OFF	ON	OFF	OFF
REG HRS, 10THS OF HRS	AUG 9 PM3.6	ON	ON	OFF	OFF
REG HRS, MINS, LEADING 0s DISABLED	AUG 9 PM3:40	OFF	OFF	OFF	OFF
REG HRS, MINS, LEADING 0s ENABLED	AUG 09 PM03:40	OFF	OFF	ON	OFF
00-23 HRS, MINS	AUG 9 15:40	OFF	OFF	OFF	ON
00-23 HRS, 100THS OF HRS	AUG 9 15.67	ON	OFF	OFF	ON
00-23 HRS, 20THS OF HRS	AUG 9 15.65	OFF	ON	OFF	ON
00-23 HRS, 10THS OF HRS	AUG 9 15.6	ON	ON	OFF	ON
00-23 HRS, MINS, LEADING 0s DISABLED	AUG 9 15:40	OFF	OFF	OFF	ON
00-23 HRS, MINS, LEADING 0s ENABLED	AUG 09 15:40	OFF	OFF	ON	ON

TO SET THE PRINT LANGUAGE

From the menu below, choose the language the Patriot™ is to print. Then set DIP switches SW2-6 through SW2-8 accordingly.

		SW2-6	SW2-7	SW2-8
ENGLISH	FILED AUG 9 '94	OFF	OFF	OFF
SPANISH	ARCH AGO 9 '94	ON	OFF	OFF
GERMAN	ABLAG AUG 9 '94	OFF	ON	OFF
FRENCH	ENREG AOU 9 '94	ON	ON	OFF
ITALIAN	ARCH AGO 9 '94	OFF	OFF	ON
PORTUGUESE	FICH AGO 9 '94	ON	OFF	ON
ROMAN MONTHS	FILED VIII 9 '94	OFF	ON	ON
ARABIC MONTHS	FILED 8 9 '94	ON	ON	ON

LEGEND

COM = Comment	MM = Minute
DOM = Day of month	MNTH = Month
DOW = Day of week	NBR SEQ = Number sequence
HH = Hour	YR = Year

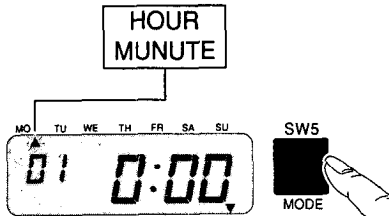
PROGRAMMING INSTRUCTIONS

TO SET THE TIME

Note 1: The example shows the Patriot™ being set to 10:08 am.

Note 2: To rapidly advance hours or minutes, keep pressing down on the appropriate key.

1. Press the [SW-5 : MODE] key once.
 - HOUR/MINUTE (MO) arrow blinks.



2. Press the [SW-3 : HOUR/MONTH] key until the desired hour (10) appears.
 - Hours display in 0/23 hr. format.
 - Seconds automatically reset to 00).



3. Press the [SW-2 : MINUTE/DAY] key until the desired minute (:08) appears.



4. Press the [SW-1 : SET] key once.
 - The seconds start scrolling.



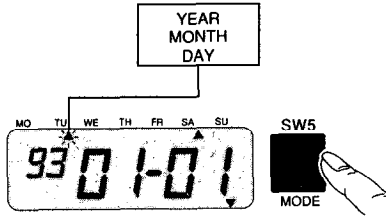
5. Confirm that the time is properly set. Then press the [SW-1 : SET] a second time.
 - Patriot™ displays the date, hour, blinking colon, and minute.

TO SET THE DATE

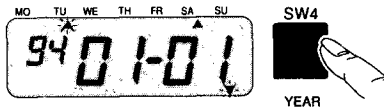
Note 1: The example shows the Patriot™ being set to Aug. 8, 1994.

Note 2: To rapidly advance years, months, or days, keep pressing down on the appropriate key.

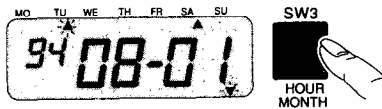
1. Press the [SW-5 : MODE] key twice.
 - YEAR/MONTH/DAY (TU) arrow blinks.



2. Press the [SW-4 : YEAR] key until the desired year (94) appears.



3. Press the [SW-3 : HOUR/MONTH] key until the desired month (08) appears.



4. Press the [SW-2 : MINUTE/DATE] key until the desired date (08) appears.



5. Press the [SW-1 : SET] key twice.



- Patriot™ displays the date, hour, blinking colon, and minute.

TO SET AUTOMATIC DAYLIGHT SAVING TIME (Spring Forward) DATE

Note 1: The "spring forward" date only needs to be set one time.

- After springing forward, the Patriot™ automatically programs itself to spring forward at 2:00 a.m. on the appropriate date of the subsequent year.

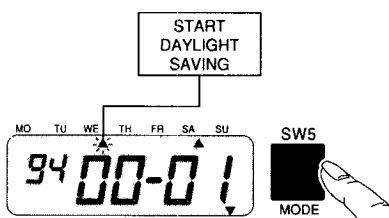
Note 2: The example shows the Patriot™ being set to Apr. 2, 1995.

Note 3: To rapidly advance years, months, or days, keep pressing down on the appropriate key.

Note 4: To disable "spring forward" and "fall back" functions, enter month 00.

1. Press the [SW-5 : MODE] key three times.

- START DAYLIGHT SAVING (WE) arrow blinks.



2. Press the [SW-4 : YEAR] key until the desired year (95) appears.



3. Press the [SW-3 : HOUR/ MONTH] key until the desired month (04) appears.



4. Press the [SW-2 : MINUTE/ DAY] key until the desired date (02) appears.



5. Press the [SW-1 : SET] key twice.



- Patriot™ displays the date, hour, blinking colon, and minute.

TO SET AUTOMATIC DAYLIGHT SAVING (Fall Back) DATE

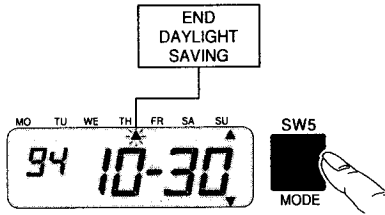
Note 1: The "fall back" date only needs to be set one time.

- After falling back, the Patriot™ automatically programs itself to fall back at 2:00 a.m. on the appropriate date of the subsequent year.

Note 2: The example shows the Patriot™ being set to Oct. 29, 1995.

Note 3: To rapidly advance years, months, or days, keep pressing down on the appropriate key.

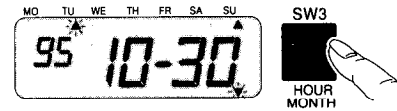
1. Press the [SW-5 : MODE] key four times.
 - END DAYLIGHT SAVING (TH) arrow blinks.



2. Press the [SW-4 : YEAR] key until the desired year (95) appears.



3. Press the [SW3 : HOUR/
MONTH] key until the desired
month (10) appears.



4. Press the [SW-2 : MINUTE/
DAY] key until the desired date
(29) appears.



5. Press the [SW-1 : SET] key
twice.



- Patriot™ displays the date, hour, blinking colon, and minute.

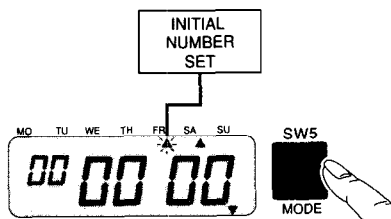
TO SET THE INITIAL COUNT NUMBER

Note 1: Although any 6-digit number can be used, the example shows the Patriot™ being set for an initial count number of 675829.

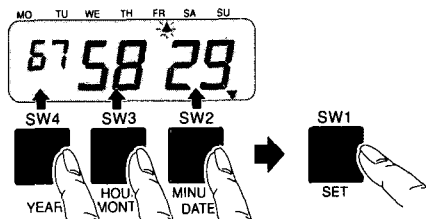
Note 2: To rapidly advance numbers, keep pressing down on the appropriate key.

Note 3: If the Patriot™ is set to print 3-digit numbers, it only prints the last three digits of the 6-digit number that appears on the display.

1. Press the [SW-5 : MODE] key five times.
 - INITIAL NUMBER SET (FR) arrow blinks.



2. Press:
 - a. The [SW-4 : YEAR] key until the first two digits of the desired number (67) appear.
 - b. The [SW-3 : HOUR/MONTH] key until the second two digits of the desired number (58) appear.
 - c. The [SW-2 : MINUTE/DAY] key until the last two digits of the desired number (29) appear.



3. Press the [SW-1 : SET] key twice.
 - Patriot™ displays the date, hour, blinking colon, and minute.

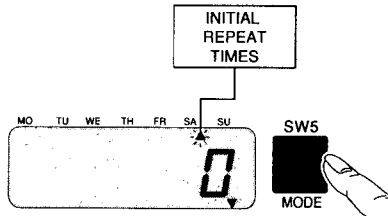
TO SET THE NUMBER OF REPEAT COUNT PRINTS

Note 1: Although the Patriot™ can be programmed to repeat the same number from one to nine times, the example shows the Patriot™ being set for each number to print twice.

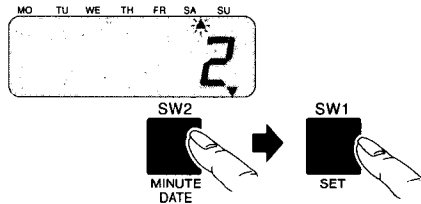
- A “number step interval” entry of “0” causes the Patriot™ to repeat the same number forever.

Note 2: To rapidly advance numbers, keep pressing down on the appropriate key.

1. Press the [SW-5 : MODE] key six times.
 - INITIAL REPEAT TIMES (SA) arrow blinks.



2. Press the [SW-2 : MINUTE/DATE] key until the desired number of repeat printings (2) appears. Then press the [SW-1 : SET] key twice.



- Patriot™ displays the date, hour, blinking colon, and minute.

TO SET THE COMMENT CODE NUMBER

Note 1: Although the Patriot™ can be programmed to print any of seven comments, the example shows the Patriot™ being set to print the comment represented by code 2 (SENT).

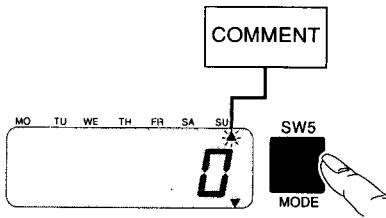
Note 2: To rapidly advance numbers, keep pressing down on the appropriate key.

1. Select the desired comment code from the following table.

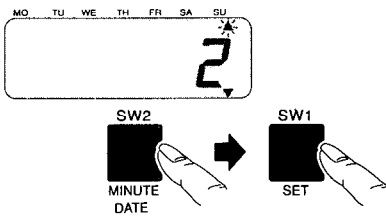
CODE	COMMENT	CODE	COMMENT
1	RCVD (Received)	5	CMFD (Confirmed)
2	SENT	6	FILED
3	IN	7	PAID
4	OUT		

2. Press the [SW-5 : MODE] key seven times.

- COMMENT (SU) arrow blinks.



3. Press the [SW-2 : MINUTE/DAY] key until the desired comment code (2) appears. Then press the [SW-1 : SET] key twice.



- Patriot™ displays the date, hour, blinking colon, and minute.

QUICK PROGRAMMING INSTRUCTIONS

TO SET THE TIME

A. Press MODE (SW-5) once

B. Press HOUR/MONTH (SW-3) to set the hour
Press MINUTE/DAY (SW-2) to set the minutes

C. Press MODE (SW-5) and then press SET (SW-1) to go to step B of
To Set the Date
Or...
Press SET (SW-1) twice to save the settings

TO SET THE DATE

A. Press MODE (SW-5) twice

B. Press YEAR (SW-4) to set the year
Press HOUR/MONTH (SW-3) to set the month
Press MINUTE/DAY (SW-2) to set the date

C. Press MODE (SW-5) and then press SET (SW-1) to go to step B of
To Set the DST "Spring Forward" Date
Or...
Press SET (SW-1) twice to save the settings

TO SET THE DST "SPRING FORWARD" DATE

A. Press MODE (SW-5) three times

B. Press YEAR (SW-4) to set the year
Press HOUR/MONTH (SW-3) to set the month
Press MINUTE/DAY (SW-2) to set the date

C. Press MODE (SW-5) and then press SET (SW-1) to go to step B of
To Set the DST "Fall Back" Date
Or...
Press SET (SW-1) twice to save the settings

TO SET THE DST "FALL BACK" DATE

A. Press MODE (SW-5) four times

B. Press YEAR (SW-4) to set the year
Press HOUR/MONTH (SW-3) to set the month
Press MINUTE/DAY (SW-2) to set the date

C. Press MODE (SW-5) and then press SET (SW-1) to go to step B of
To Set the Initial Count Number
Or...
Press SET (SW-1) twice to save the settings

TO SET THE INITIAL COUNT NUMBER

A. Press MODE (SW-5) five times

B.

Press YEAR (SW-4) to set the first two digits Press HOUR/MONTH (SW-3) to set the second two digits Press MINUTE/DAY (SW-2) to set the last two digits

C.

Press MODE (SW-5) and then press SET (SW-1) to go to step B of To Set the Number of Repeat Count Prints Or... Press SET (SW-1) twice to save the settings

TO SET THE NUMBER OF REPEAT COUNT PRINTS

A. Press MODE (SW-5) six times

B.

Press MINUTE/DAY (SW-2) to set the number of repeat prints
--

C.

Press MODE (SW-5) and then press SET (SW-1) to go to step B of To Set the Comment Code Number Or... Press SET (SW-1) twice to save the settings

TO SET THE COMMENT CODE NUMBER

A. Press MODE (SW-5) seven times

B.

Press MINUTE/DAY (SW-2) to set the comment code number (1 = RCVD, 2 = SENT, 3 = IN, 4 = OUT, 5 = CMFD, 6 = FILED, 7 = PAID)

C.

Press SET (SW-1) twice to save the settings

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, da der/die/das

MODEL 1602

[Gerät, Typ, Bezeichnung]

in Übereinstimmung mit den Bestimmungen der

DBP-Vfg. 1046/1984 Amtsblatt Nr. 163/1984

[Amtsblattverfügung]

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Maschinenlärminformationsverordnung 3. GSGV, 18.01.1991: Der arbeitsplatzbezogene Schalldruckpegel beträgt 70 dB(A) oder weniger gemäß ISO 7779.

Die zugehörige Steckdose muß nahe beim Gerät angebracht und leicht zugänglich sein.

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS A LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRÉSENT APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMÉRIQUES DE CLASSE A PRESCRITES DANS LE RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE ÉDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.



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Simplex Plaza • Gardner, MA 01441-0001 U.S.A.

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