

SETTING THE ON-SCREEN PROGRAMMING LANGUAGE AND CLOCK

Use the remote control to select the language and set the clock.

NOTE: Set the clock accurately for proper automatic timer and quick timer recording. We suggest you refer to a TV or radio station to obtain the correct time.

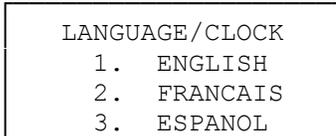
In the following example, the language is set to English and the clock is set to 9:30 PM, March 7, 1993.

- 1. Press VCR on the remote control.
- 2. Press POWER to turn on the VCR.
- 3. Turn on your TV and set it to the same channel as the VCR's CHANNEL 3/4 switch located on the back of the VCR. Then press TV/VCR on the remote control so VCR appears on the VCR's display. The TV screen shows a blue display if you have not yet selected a channel.

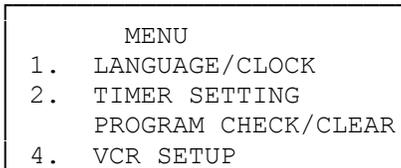
NOTE: If you have connected Model 99 to A/V inputs, set your TV to the video mode.

- 4. Press PROGRAM on the remote control.

- a. If you have just plugged in the VCR but have not yet set the clock, the language setting mode automatically appears on the TV screen.



- b. If you have already set the clock since plugging in the VCR, the menu display appears on the TV screen. Press 1 to enter the language and clock setting mode.

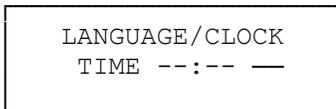


- 5. Select the on-screen instruction language: Press 1 for English, 2 for French, or 3 for Spanish. (Press 1 for English, for example.)

- a. If you have just plugged in the VCR but have not yet set the clock, the STANDARD/DAYLIGHT time selecting mode automatically appears on the TV screen. Press 1 to select standard time or 2 to select daylight saving time.



- b. If you have already set the clock since plugging in the VCR, the time setting mode automatically appears on the TV screen.



- 6. When the hour and minute indicators



flash, press the remote control's number buttons to set the correct hour and minute. (Press 0 9 3 0 to set 9:30, for example.)

```
LANGUAGE/CLOCK
TIME 09:30
  AM=1   PM=2
[CLEAR] - TO CORRECT
[PROGRAM] - END
```

NOTE: You must precede a single-digit entry with 0. If you press a wrong number button, press CLEAR and then press the correct button.

7. Press 1 to select AM to 2 to select PM. Your VCR uses a 12-hour clock.

```
LANGUAGE/CLOCK
TIME 09:30 PM
DATE --/--/--
```

8. When the date indicators flash, press the number buttons to set the correct date. (Press 0 3 0 7 9 3 to set March 7, 1993, for example.)

```
LANGUAGE/CLOCK
TIME 09:30 PM
DATE 03/07/94 (SUN)
[CLEAR] - TO CORRECT
[PROGRAM] - END
```

When you enter the date, the corresponding day of the week appears.

9. Review the entered information.

If the information is not correct, press CLEAR as necessary to erase the wrong information. The positions you clear flash. Then enter the correct information.

When the information is correct, press PROGRAM. The clock-setting display disappears, and the VCR display changes to the correct clock display.

NOTES: If you enter an invalid date or time (13:00, for example), ? flashes. Press CLEAR, then enter the correct date or time.

Seconds begin counting at 00 when you press PROGRAM after setting the date.

### Memory Sentinel

Your VCR has a special memory sentinel feature that protects clock settings, tuner programming information, and timer memory settings by providing up to 1 hour of back up power in case a power failure occurs of if the power cord becomes unplugged. After about 1 hour without power, the VCR loses all timer memory settings.

### Adjusting Standard/Daylight Saving Time

You can switch the clock to daylight saving time (add one hour) or standard time (subtract one hour).

1. Press VCR on the remote control.
2. Press PROGRAM. The menu display appears on the TV screen.
3. Press 4 to select the VCR SETUP menu.

4. Press 0. The display changes to DAYLIGHT (or STANDARD) and one hour is added to (or subtracted from) the current time.
5. Press PROGRAM to exit the menu. The menu display reappears.
6. Press PROGRAM again to exit the menu display.

#### PROGRAMMING THE TUNER'S MEMORY

You can program the tuner's memory so when you press CHANNEL/TRACKING (CHANNEL on the VCR) \ / or / \, the VCR's tuner scans only the active channels in your area.

1. Press VCR on the remote control.
2. Press PROGRAM on the remote control. The menu display appears on the TV screen.
3. Press 4 to select the VCR SETUP menu.

MENU
1. LANGUAGE/CLOCK
2. TIMER SETTING
PROGRAM CHECK/CLEAR
4. VCR SETUP

4. Press 3 to select CATV or TV.

If you have cable service and the cable wire is connected directly to the VCR without a cable box, select CATV. C appears on the VCR's display.

If you have cable service and use a cable box between the cable wire and the VCR, or if you do not have service and want to receive up to 68 VHF/UHF channels, select TV. C does not appear on the VCR's display.

0. TIME: STANDARD
1. AUTO CH MEMORY
2. ADD/ERASE CHANNEL
3. TV/CATV: CATV
4. TRACKING: AUTO

0. TIME: DAYLIGHT
1. AUTO CH MEMORY
2. ADD/ERASE CHANNEL
3. TV/CATV: TV
4. TRACKING: AUTO

5. Press 1 to program the tuner's memory. The tuner scans through the channels, starting with antenna broadcasts all the way through the CATV channels, and memorizes all the active channels in your area. After scanning all the channels, the tuner stops on the lowest-numbered active channel.

AUTO CH MEMORY	01
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6. Press CHANNEL/TRACKING (CHANNEL on the VCR \ / or / \) to check the memory's contents.

NOTE: If the AC cord is unplugged or a power failure occurs for more than about 1 hour, the tuner will lose the information in memory.

#### Adding or Deleting a Channel

If the tuner stores a channel that you do not want or misses a weak channel that you do want, follow these steps to manually add or delete the channel.

1. Press VCR on the remote control.
2. Press PROGRAM on the remote control. The menu display appears on the TV screen.

```
MENU
1. LANGUAGE/CLOCK
2. TIMER SETTING
   PROGRAM CHECK/CLEAR
4. VCR SETUP
```

3. Press 4 to select the VCR SETUP menu.

```
0. TIME: STANDARD
1. AUTO CH MEMORY
2. ADD/ERASE CHANNEL
3. TV/CATV: CATV
4. TRACKING: AUTO
```

4. Press 2 to select ADD/ERASE CHANNEL.

```
                C 01
                ADDED
SELECT CHANNEL
[SET] - ADD
[CLEAR] - ERASE
[PROGRAM] - END
```

5. Use the remote control's number buttons to enter the channel number you want to add or erase. (You can use CHANNEL/TRACKING \ / or / \ to display the channel to erase.) If the channel is stored in memory, ADDED appears below the channel number. If it is not stored in memory, ERASED appears below the channel number.

NOTE: If you enter a channel that is not available on broadcast, F appears on the TV and VCR display.

6. To add the channel, press SET on the remote control. ERASED changes to ADDED.

To erase the channel, press CLEAR on the remote control, ADDED changes to ERASED.

7. Press PROGRAM to exit the menu. The menu display appears.

```
MENU
1. LANGUAGE/CLOCK
2. TIMER SETTING
   PROGRAM CHECK/CLEAR
4. VCR SETUP
```

8. Press PROGRAM again to exit the menu display.

NOTE: With the remote control's number buttons, you can directly select channels that are not programmed in the tuner's memory.

CHANNEL SELECTION

You can select channels two ways: scanning and direct.

To manually scan for a channel, press CHANNEL/TRACKING (CHANNEL on the VCR) \ / or / \. The tuner automatically advances to the next programmed channel in the direction of the button's arrow.

NOTE: If you press CHANNEL/TRACKING (CHANNEL on the VCR) / \ when the tuner is at the highest programmed channel, the tuner returns to the lowest programmed channel. If you press CHANNEL/TRACKING (CHANNEL on the VCR) \ / when the tuner is at the lowest programmed channel, the tuner returns to the highest programmed channel.

To automatically scan all channels, press CH SCAN on the remote control once. The tuner scans the channels stored in the tuner's memory, stopping on each channel for about two seconds.

To stop auto-scanning, press CH SCAN again when the desired channel is displayed. After the tuner stops on all the stored channels, auto scanning stops.

To directly select a channel, press the remote control's number buttons or the desired channel. You must precede one-digit channel numbers with 0 (01, 02, 03, and so on). For three-digit channel numbers, press 100/ENTER. Then, enter the second and third digits in the channel number.

NOTE: If you enter a valid but inactive channel number, F briefly appears in the upper right corner of the display.

CABLE CHANNEL DESIGNATIONS

Your VCR can receive up to 111 cable channels. The VCR displays the channels as 1-125.

Channels 2-13 are the same for VHF and cable TV, and cable companies usually number them as they appear on the display.

However, cable companies often designate other cable channels with letters or letter-number combinations. The following chart shows common cable channel designations.

Alternate Channel Designations	VCR Tuner Display	Alternate Channel Designations	VCR Tuner Display
Mid-Band Channels		Hyper-Band Channels	
A	14	W+1	37
B	15	W+2	38
C	16	W+3	39
D	17	W+4	40
E	18	W+5	41
F	19	*	*

G	20	through	through
H	21	*	*
I	22	W+58	94
		W+59	100
		*	*
Super-Band Channels		through	through
J	23	*	*
K	24	W+84	125
L	25		
M	26		
N	27	VHF Low-Band Channels	
O	28	4A or A8	01
P	29	5A or A7	05
Q	30	6A or A6	06
R	31		
S	32	Mid Low-Band Channels	
T	33	A-3	97
U	34	A-2	98
V	35	A-1	99
W	36		

For more information, contact your cable company. You still might have to experiment to determine the proper cable channel designations for your cable system.

(ALL-11/10/94)