

PLAYING A TAPE

1. Turn on the TV and set it to the same channel as the VCR's 3CH/4CH switch.

If you are using a TV monitor that is connected to the VCR's AUDIO/VIDEO LINE OUT jacks, set the monitor to the video mode.

2. Position the cassette with the main label facing up and the spine label facing out from the VCR. Then insert the cassette into the cassette compartment by gently pushing on the center of the cassette's spine until the VCR completely draws in the cassette.

The VCR turns on automatically and the tape indicator lights.

If the erase-protection window has been closed, playback begins automatically. (See "Erase-Protection.")

CAUTION: Never insert anything except an 8mm video cassette into the cassette compartment. You might damage the VCR's internal mechanisms.

3. If playback does not begin automatically, press PLAY.

Press STOP/EJECT (or STOP on the remote control) to stop playback before the end of the tape. Then press STOP/EJECT (or EJECT on the remote control) to eject the tape.

If the tape reaches the end before you press STOP, the VCR automatically stops the tape and completely rewinds it. The VCR ejects the cassette and turns off after the tape fully rewinds.

STORING YOUR VIDEO CASSETTES

Store video cassettes in their protective boxes in a cool, dry, dust-free environment. Use video cassette racks that hold the cassettes on end, not on their sides. This prevents improper settling of the tape inside the cassette.

ERASE PROTECTION

All 8mm video cassettes have an erase-protection window to prevent you from accidentally recording over the tape. To prevent recording, close the window.

To allow recording, slide the window open.

HOW THE VCR'S TUNER WORKS

The Model 800's 179-channel PLL tuner is active when you turn on the VCR. The tuner has two functions:

It lets you select what the VCR records.

It lets you select the VCR's output when VCR appears on the VCR's

display (when the VCR is neither playing nor recording a tape).

The tuner has no effect on recording or VCR output when the power is off.

SETTING THE 3CH/4CH SWITCH

When VCR appears on the VCR's display, the VCR sends the selected video source signal from the VCR's ANT OUT terminal to the TV on the channel you select using the VCR's 3CH/4CH switch (on the back of the VCR). These signals are also present at the VCR's AUDIO/VIDEO OUT jacks.

If Channel 3 or 4 is an active channel in your area, set the 3CH/4CH switch to the other position.

The 3CH/4CH switch has no effect when the VCR is off or when VCR does not appear on the display.

TV/VCR BUTTON

When VCR appears on the display, the signal from the VCR is sent to the ANT OUT terminals on Channel 3 or 4.

When VCR does not appear on the display, antenna or cable signals connected to the ANT IN terminals pass through to the ANT OUT terminals unaffected. You can use the TV tuner to select channels as if the signals were directly connected to the TV.

If the VCR is turned on, the signals from the VCR are sent to the AUDIO/VIDEO LINE OUT jacks, regardless of the TV/VCR setting.

PROGRAMMING THE TUNER MEMORY

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

1. Press MENU. Then select 4 with the remote control number button or CHANNEL $\setminus/$. Then press SELECT to select channel preset.

MENU
1 PROGRAM SET
2 TIME SEARCH
3 CLOCK SET
*4 CHANNEL PRESET
5 CHANNEL ADD/CLEAR
6 SAP ON/OFF

2. Press SELECT to select TV or CATV. The marker on the screen shows the current selection.

CHANNEL PRESET
* TV CATV

3. Press CHANNEL $\setminus/$ or $/\setminus$. The tuner scans all the active channels in your area and stores them into memory, and then stops on the lowest memorized channel. Press CHANNEL $\setminus/$ or $/\setminus$ to check the memory's contents.

CH 2

4. If the tuner stores a channel that

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you do not want to miss a weak channel you want, press MENU and select 5 (CHANNEL ADD/CLEAR) with the remote control number button or CHANNEL \/. Press SELECT. The display shows the channel currently selected.

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MENU
1 PROGRAM SET
2 TIME SEARCH
3 CLOCK SET
4 CHANNEL PRESET
*5 CHANNEL ADD/CLEAR
6 SAP ON/OFF
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5. You may press COUNTER RESET/ADD/CLEAR to store or remove the displayed channel number you want to store or remove using the remote control's number buttons. (Press 2 2 to select channel 22, for example.)

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CHANNEL ADD/CLEAR
CH 22 (TV)
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If the channel number flashes on the display, this indicates that the channel is not stored in memory. A stored number stays lit.

6. Press COUNTER RESET/ADD/CLEAR to store or remove the channel in memory.

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CHANNEL ADD/CLEAR
CH 23 (TV)
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7. Press MENU to return to the regular display.

If necessary, repeat the above steps to store the other band's (TV or CATV) station in memory.

CHANNEL SELECTION

There are two methods of channel selection: scanning and direct.

To scan for a channel, press CHANNEL \/ or /\. The tuner automatically advances to the next memorized channel in the direction of the arrow on the button you press.

If you press CHANNEL /\ when the tuner is at the highest memorized channel, the VCR displays L1 for A/V input mode from rear panel AUDIO/VIDEO LINE IN 2 jacks. Press CHANNEL /\ again, and the tuner returns to the lowest memorized channel. If you press CHANNEL \/ when the tuner is at the lowest memorized channel, the VCR enters A/V input modes in the same manner; press CHANNEL \/ twice to return to the highest memorized channel.

To directly select a channel, press the remote control's number buttons for the desired channel. You must precede one-digit channel numbers with a 0 -- 02, 03, 04, and so on. For three-digit channel numbers, press 100. Then enter the second and third digits in the channel number.

With direct channel selection, you can choose any channel in the tuner's range, even if you have not programmed the channel, if there is no broadcast present, or if the channel is scrambled. (The tuner does not unscramble the channel.)

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 the other channels with a letter or letter-number combinations. The following chart shows common cable channel designations.

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

ALTERNATE CHANNEL DESIGNATION	TUNER DISPLAY	ALTERNATE CHANNEL DESIGNATION	TUNER DISPLAY
Mid Low Band Channel		Hyper Band Channels	
5A	1	W + 1	37
Mid Band Channels		W + 2	38
A	14	W + 3	39
B	15	W + 4	40
C	16	W + 5	41
D	17	W + 6	42
E	18	W + 7	43
G	19	W + 8	44
F	20	W + 9	45
H	21	W + 10	46
I	22	W + 11	47
Super Band Channels		W + 12	48
J	23	W + 13	49
K	24	W + 14	50
L	25	W + 15	51
M	26	W + 16	52
N	27	W + 17	53
O	28	W + 18	54
P	29	W + 19	55
Q	30	W + 20	56
R	31	W + 21	57
S	32	W + 22	58
T	33	W + 23	59
U	34	W + 24	60
V	35	W + 25	61
W	36	W + 26	62
		W + 27	63
		W + 28	64
		W + 29	65
		ULTRA BAND CHANNELS	
		W + 30	66
		W + 31	67

ALTERNATE CHANNEL DESIGNATION	TUNER DISPLAY	ALTERNATE CHANNEL DESIGNATION	TUNER DISPLAY
ULTRA BAND CHANNELS		ULTRA BAND CHANNELS	
W + 32	68	W + 59	100
W + 33	69	W + 60	101
W + 34	70	W + 61	102
W + 35	71	W + 62	103
W + 36	72	W + 63	104
W + 37	73	W + 64	105
W + 38	74	W + 65	106
W + 39	75	W + 66	107
W + 40	76	W + 67	108
W + 41	77	W + 68	109
W + 42	78	W + 69	110
W + 43	79	W + 70	111
W + 44	80	W + 71	112
W + 45	81	W + 72	113
W + 46	82	W + 73	114
W + 47	83	W + 74	115
W + 48	84	W + 75	116
W + 49	85	W + 76	117
W + 50	86	W + 77	118
W + 51	87	W + 78	119
W + 52	88	W + 79	120
W + 53	89	W + 80	121
W + 54	90	W + 81	122
W + 55	91	W + 82	123
W + 56	92	W + 83	124
W + 57	93	W + 84	125
W + 58	94		
SUB MID BAND CHANNELS			
A - 3	97		
A - 2	98		
A - 1	99		

NORMAL TV VIEWING

Follow these steps for normal TV viewing.

1. Turn on the TV.
2. Turn off the VCR, or press TV/VCR so that VCR does not appear on the display. The antenna or cable signals pass through the VCR unaffected, as if they were directly connected to the TV.
3. Select the desired channel using the TV's tuner.

(ALL-12/13/94)