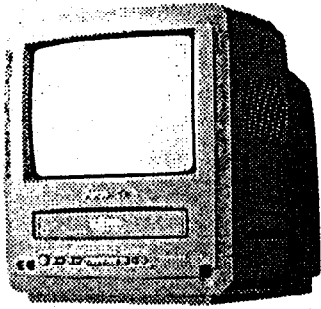


— TENTATIVE —

# Panasonic

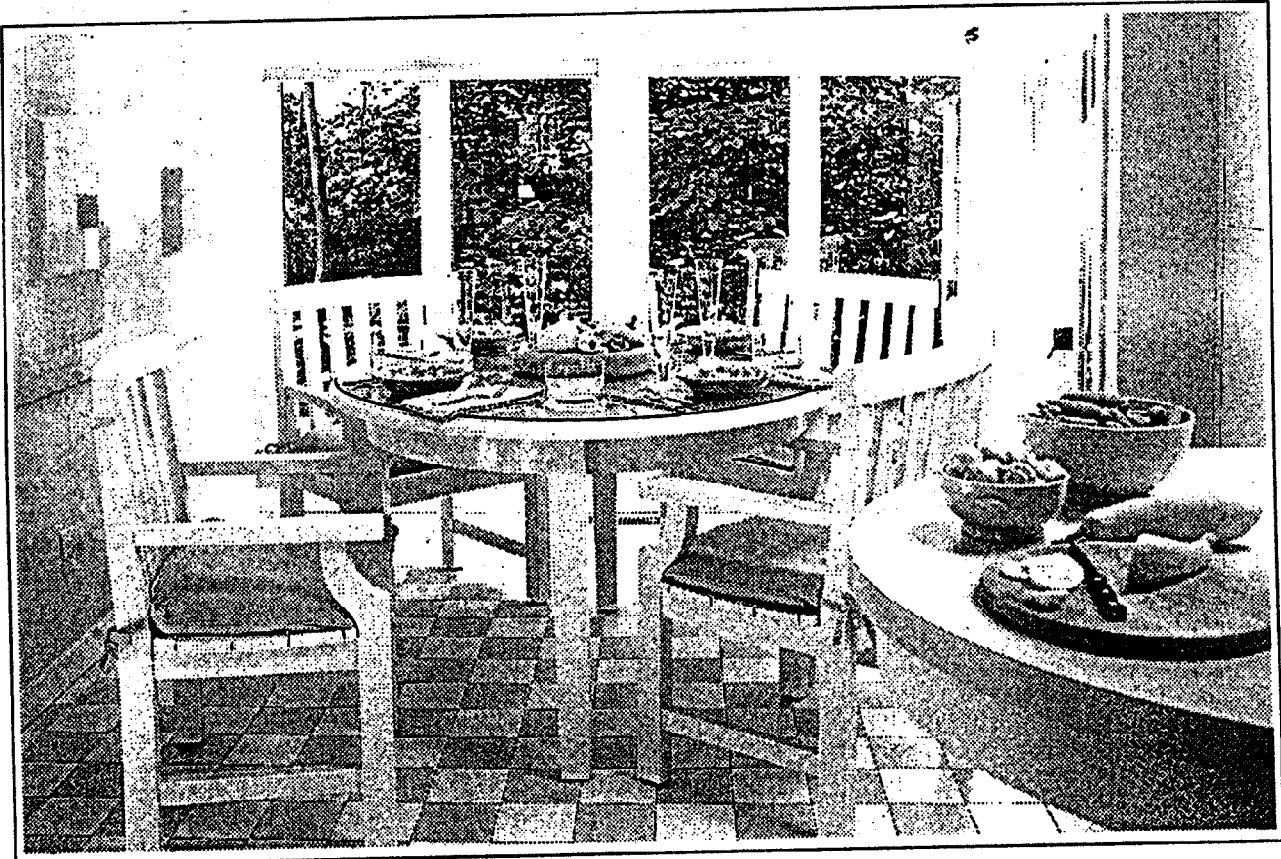


Omnivision VHS

EXHIBIT # 6  
FIG NO. \_\_\_\_\_  
FCC ID: ACT927140TX  
MODEL NO. PV-C921  
OUR REF.: MKES00-F016

## Combination VCR Operating Instructions

Models No. PV-C911 / PV-C921  
PV-C931W



Initial Setup

Basic Operation

TV Operation

Timer Operation

Advanced Operation

For Your Information

- Initial Setup and Connection Procedures are on pages 8 to 13.
- SELF-DEMO Procedure is on page 4.



As an ENERGY STAR® Partner, Matsushita Electric Corporation of America has determined that this product or product model meets the ENERGY STAR® guidelines for energy efficiency.

Please read these instructions carefully before attempting to connect, operate or adjust this product. Please save this manual.  
Spanish Quick Use Guide is included.  
(Guía para rápida consulta en español está incluida.)

LSQT0341A

For assistance, please call : 1-800-211-PANA(7262) or send e-mail to : [consumerproducts@panasonic.com](mailto:consumerproducts@panasonic.com)

# Safety Precautions / Mesures de sécurité

## Warning:

To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

## Caution:

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

## Avertissement:

Afin de prévenir tout risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à une humidité excessive.

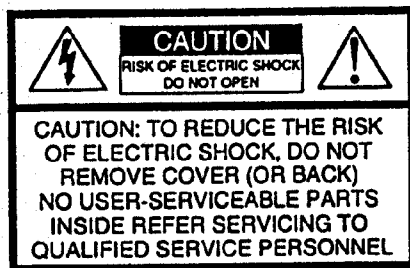
## Attention:

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment. Only use those tapes with the **VHS** mark. It is recommended that only cassette tapes that have been tested and inspected for use in 2, 4, 6, and 8 hour VCR machines be used. This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

## FCC WARNING:

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

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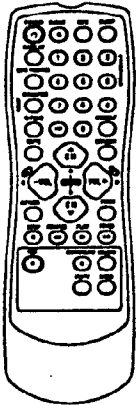
# Before Using

## Congratulations

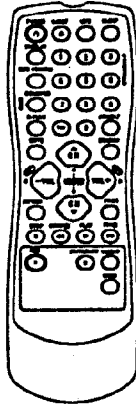
on your purchase of one of the most sophisticated and reliable products on the market today. Used properly, it will bring you and your family years of enjoyment. Please fill in the information below. The serial number is on the tag located on the back of your unit.

Date of Purchase \_\_\_\_\_  
 Dealer Purchased From \_\_\_\_\_  
 Dealer Address \_\_\_\_\_  
 Dealer Phone No. \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Serial No. \_\_\_\_\_

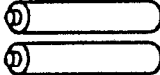
## Accessories

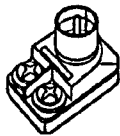


- Remote Control  
LSSQ0281  
(PV-C921)  
LSSQ0282  
(PV-C931W)

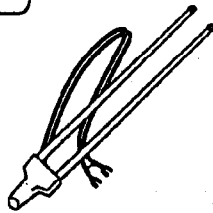


- Remote Control  
LSSQ0280  
(PV-C911)

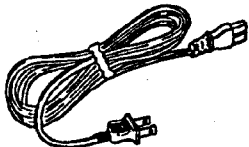
- Batteries  
2 "AA" 



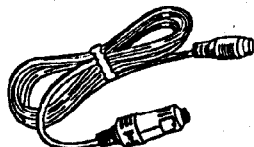
- 300 ohm-75 ohm  
Transformer  
VSQS0974



- Indoor Antenna  
TSA700009



- AC Power Cord  
VJAW0044  
(PV-C911, PV-C921)  
LFX6109A  
(PV-C931W)



- DC Car Cord (2m)  
LFX6301A

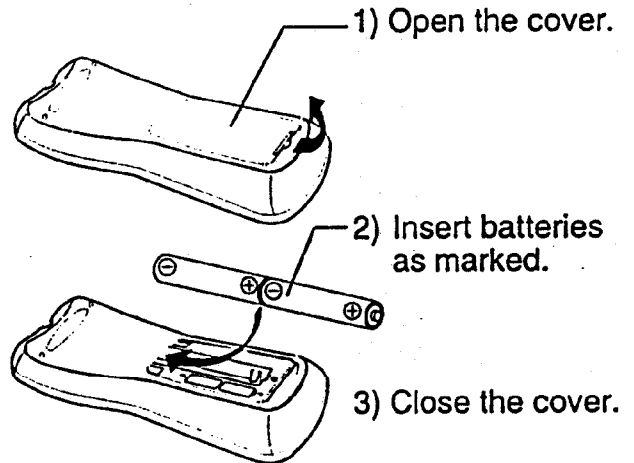
To order accessories, call toll free 1-800-332-5368.

## SELF-DEMO Mode

With Power ON, press **PLAY/REPEAT** on the unit for 7 seconds to deactivate the **SELF-DEMO Mode**.

Repeat this to display demo screen.

## Loading the Batteries

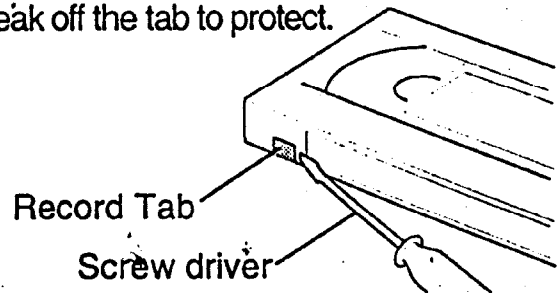


### Battery replacement caution

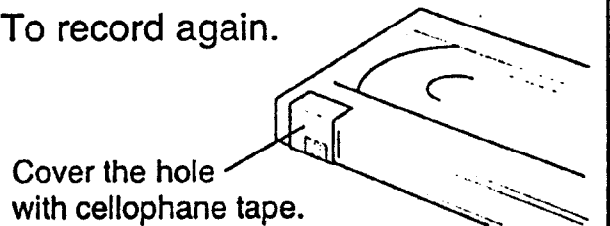
- Do not mix old and new batteries.
- Do not mix alkaline with manganese batteries.

## Prevent Accidental Tape Erasure

Break off the tab to protect.

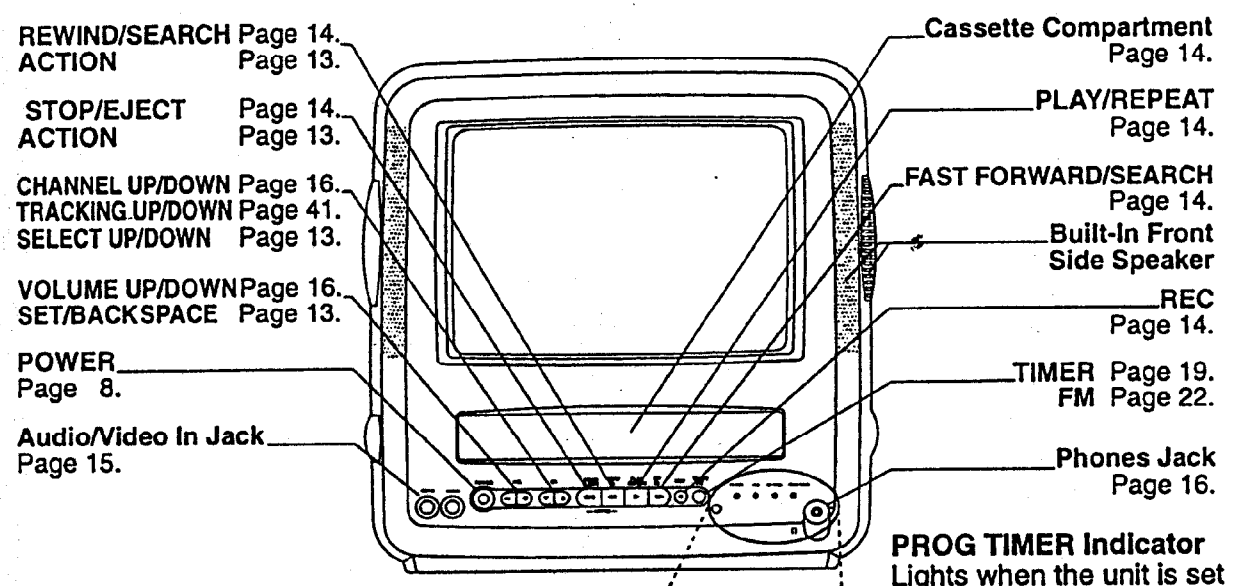


To record again.



# Front View of the unit and Indicators on the Front Panel

<Model PV-C921/PV-C931W unit shown>



**POWER Indicator**  
Light when the unit is turned on.  
Remote Control is functional only when this indicator is lit.

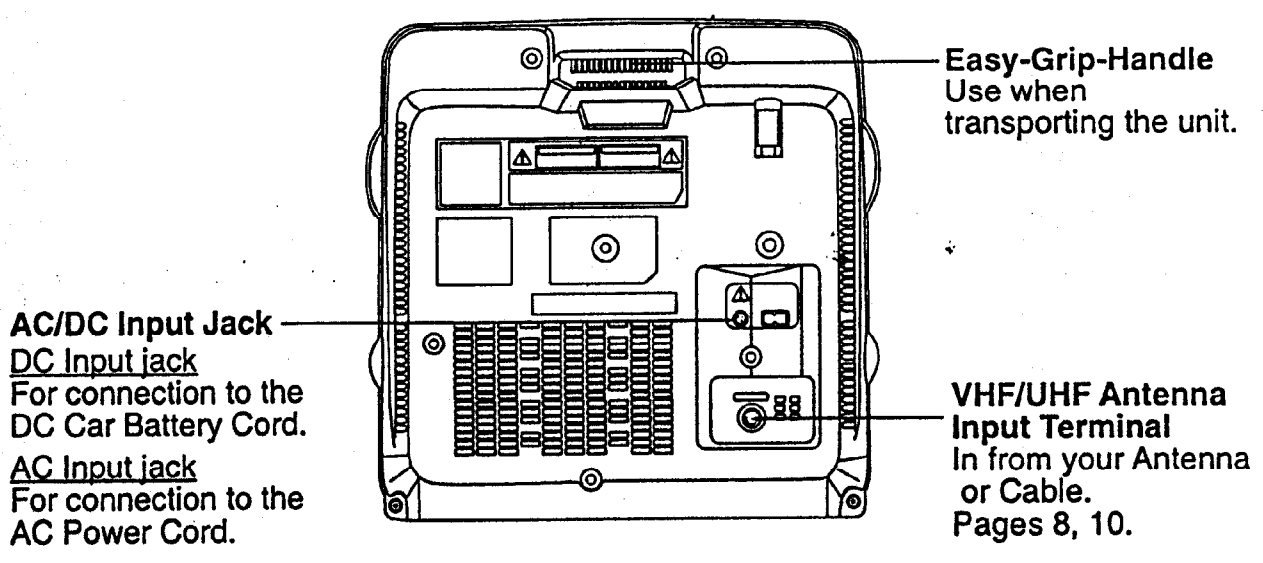
**Remote Sensor**

**REC Indicator**  
Lights during recording.  
In Rec Pause or OTR Pause mode, the indicator flashes.  
Page 14.

**ON TIMER Indicator**  
Lights when the On Timer is set.  
Page 18.

**PROG TIMER Indicator**  
Lights when the unit is set for Timer Recording.  
It flashes when a Timer Recording has been set with no tape inserted, the clock is not set, or the tape is in motion.  
Page 24.

# Rear View of the unit

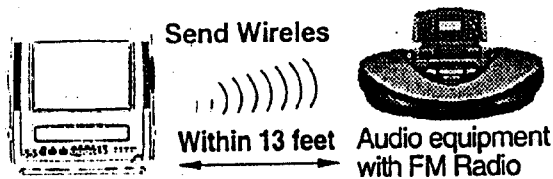


**AC/DC Input Jack**  
**DC Input jack**  
For connection to the DC Car Battery Cord.  
**AC Input jack**  
For connection to the AC Power Cord.

**Easy-Grip-Handle**  
Use when transporting the unit.

**VHF/UHF Antenna Input Terminal**  
In from your Antenna or Cable.  
Pages 8, 10.

# FM Transmitter

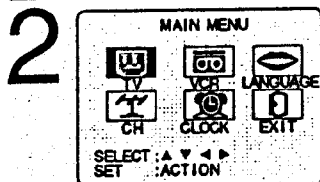


Carrier Frequency : 93 ~ 97, 99 ~ 103 MHz

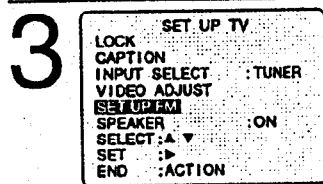
FM Transmitter is ... a feature whereby this unit's sound can be heard on an FM Radio. First, tune your radio to a vacant station which has no radio broadcasts between 93 ~ 97 or 99 ~ 103 MHz. Then, set the combo to the same station. Now, fine-tune this unit so the sound comes in clearly.

## FM Transmitter Carrier Frequency Setup

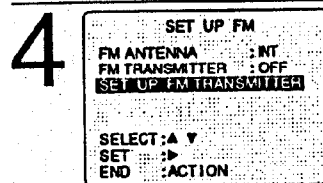
**1** Press ACTION to display MAIN MENU.



- 1) Press ▲▼◀▶ to select "TV."
- 2) Press ACTION to display SET UP TV screen.

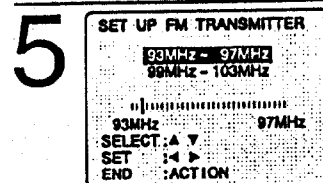


- 1) Press ▲▼ to select SET UP FM.
- 2) Press ▶ to display screen.



- 1) Press ▲▼ to select SET UP FM TRANSMITTER.
- 2) Press ▶ to display screen.

• When step 4 is done, if FM TRANSMITTER is "OFF," the unit is automatically set to "ON."



- 1) Press ▲▼ to select the desired frequency range. (93-97 or 99-103 MHz)
- 2) Press ◀▶ to select the Carrier Frequency.
- 3) Press ACTION to set the Carrier Frequency. (The screen in step 4 is redisplayed.)



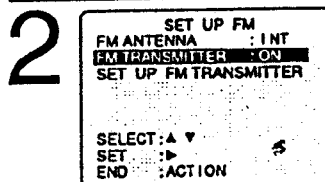
To Make Corrections, select frequency with CH ▲▼◀▶, then repeat step 5.

**6** Press ACTION four times to end setup

<For Model PV-C921/PV-C931W only>

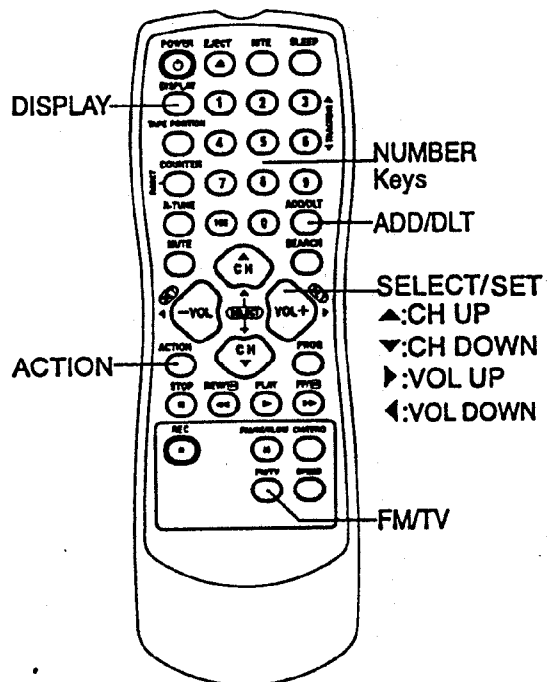
## FM Transmitter Control

**1** Do "FM Transmitter Carrier Frequency Setup" steps 1~3 at left.



- 1) Press ▲▼ to select FM TRANSMITTER.
- 2) Press ▶ to select "OFF" or "ON."

**3** Press ACTION three times to end setup



Model PV-C921/PV-C931W remote is shown here.

### Notes

- The Carrier Frequency shown by the selector bar is a guide only. Please listen to the sound and adjust accordingly.
- The unit will transmit sound when unit power is on and "FM TRANSMITTER :ON" is selected.
- Please put your FM Radio within 13 feet of the unit.
- Interference occurs when you select CATV channels 95, 96, or 97, while FM Transmitter is operating.
- FM Transmitter will not work in FM Radio Mode.
- Please note the current FM Transmitter capability is the maximum level allowed by FCC standard for low power license-exempt radio communication devices.

TV Operation

# Unit Information

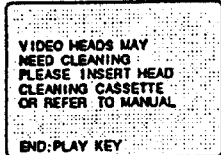
## Head Cleaning

Playing older or damaged tapes may eventually cause video heads to become clogged.

### Head Clog Sensor

During playback this screen appears if clogging is detected. To remove screen, press **PLAY** on the remote or unit.

- Use "dry" type head cleaning cassette only. (Part No. NV-TCL30PT is recommended.)
- Follow cleaning tape directions carefully. Excessive use of head cleaning tape can shorten the video head life.
- If head clog symptoms persist, contact your nearest Factory Service Center or authorized Service Center. (See page 43.)



## Build-in Head Cleaner <For Model PV-C911 only>

A clean video head helps produce a clear picture. So, we have equipped your unit with a built-in, non chemical head cleaning system that helps prevent clogging of the video heads. Cleaning is performed each time you load or unload a video cassette.

**Note:** This feature is preventative only. If your video heads are seriously clogged, consider the use of a chemical nonabrasive head cleaning kit or take your unit to a Service Center.

## DST (Daylight Saving Time)

Unit auto adjusts clock for DST (Daylight Saving Time.)

### ■ Spring (First Sunday in April)

DST : ON → Sets clock ahead one hour.

### ■ Autumn (Last Sunday in October)

DST : ON → Turns clock back one hour.

- If your area does not observe Daylight Saving Time, select DST:OFF.
- Keep these time changes in mind when programming the unit for timer recordings.

## Record/Playback Time

Only use tapes with the **VHS** mark in this unit.

Tape Speed Setting	Type of Video Cassette		
	T60	T120	T160
SP (Standard Play)	1 Hour	2 Hours	2 Hours 40 Minutes
LP (Long Play)	2 Hours	4 Hours	5 Hours 20 Minutes
SLP (Super Long Play)	3 Hours	6 Hours	8 Hours

## Specifications

### Display

Picture Tube: 9 inch measured diagonal 90° deflection Picture Tube

### VCR

Video Recording System: 2 rotary heads helical scanning system

Audio Track: 1 track

### Tuner

Broadcast Channels: VHF 2 ~ 13, UHF 14 ~ 69  
CABLE Channels: Midband A through I (14 ~ 22)  
Superband J through W (23 ~ 36)  
Hyperband AA ~ EEE (37 ~ 64)  
Lowband A-5 ~ A-1 (95 ~ 99)  
Special CABLE channel 5A(01)  
Ultraband 65 ~ 94, 100 ~ 125

### FM Radio

Band range: 87.5 ~ 108.1 MHz  
(PV-C921/PV-C931W)

### General

Power Source: 120 V AC, 60 Hz (AC)  
12V/24V (DC)

### Power Consumption:

#### Power on

Approx. 63 watts (AC)  
Approx. 59 watts (DC)

#### Power off

Approx. 3.5 watts (AC)  
Approx. 0.8 watts (DC 12V)  
Approx. 1.5 watts (DC 24V)

### Television System:

EIA Standard NTSC color

Speaker: 1 piece

Operating Temperature: 5 °C ~ 40 °C (41 °F ~ 104 °F)

Operating Humidity: 10 % ~ 75 %

Weight: 9.1 Kg (20.1 lbs.)

Dimensions: 302 (W) X 327 (H) X

335 (D) mm

11-7/8" (W) X 12-7/8" (H)

X 13-3/16" (D)

**Note:** Designs and specifications are subject to change without notice.

## Features for a Quality Picture

### Digital Auto Tracking

Continuously analyzes the signal and adjusts for optimum picture quality.

### Manual Tracking Control (to reduce picture noise)

Use during Playback and Slow Motion mode to reduce picture noise. Press the 3 or 6 number key on the remote control or CH ▲▼ on the unit until the picture clears up. To return to Auto Tracking, press **POWER** off, then on again a few seconds later.