

## Special Operating Conditions

The **Caption**, **Menu**, **Reset**, **Sleep**, and **V-Guide** keys will operate only Sanyo televisions.

The **Channel**  $\nabla/\blacktriangle$  keys perform the **Tracking**  $-/+$  functions on Sanyo and Fisher brand VCRs.

The **Display** and **Mute** keys operate the TV regardless of the mode selected.

The **Vol**  $-/+$  keys operate TV functions in the VCR, TV, and Cable modes.

The **Recall** and **Video** keys have no function in the Cable mode.

The **Enter** key is for Satellite operation only.

The **Vol**  $-/+$  keys and **Channel**  $\nabla/\blacktriangle$  keys move the Cursor in the SAT/AUX mode when this mode is programmed to operate a satellite receiver.

The **Menu** key functions as the **Guide** key in the SAT/AUX mode when this mode is programmed to operate a satellite receiver.

Refer to the owner's manuals that came with your equipment for specific features operation.

## 90-DAY LIMITED WARRANTY

THIS LIMITED WARRANTY IS VALID ONLY ON SANYO PRODUCTS PURCHASED AND USED IN THE UNITED STATES OF AMERICA AND PUERTO RICO, HOWEVER, EXCLUDING ITS OTHER TERRITORIES AND PROTECTORATES. THIS LIMITED WARRANTY APPLIES ONLY TO THE ORIGINAL PURCHASER, AND DOES NOT APPLY TO PRODUCTS USED FOR INDUSTRIAL OR COMMERCIAL PURPOSES.

FOR 90 DAYS from the date of purchase, Sanyo Manufacturing Corporation will replace any defective unit without charge to the original purchaser.

To ensure proper warranty exchange, keep the original sales receipt for evidence of purchase. Return the defective remote control along with the receipt to the retailer. The defective remote control will be exchanged for the same model, or a replacement model of equal or greater value, if necessary. Replacement model will be contingent on availability and at the sole discretion of Sanyo Manufacturing Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

### OBLIGATIONS

For 90 days from the date of purchase, Sanyo Manufacturing Corporation warrants this product to be free from defects in material and workmanship under normal use and conditions. Should replacement be necessary under this warranty for any reason due to manufacturing defect or malfunction during the first 90 days from date of original purchase, Sanyo Manufacturing Corporation will provide a new remote control via exchange at the retailer at no charge.

This warranty expresses specific contractual rights; retail purchasers may have additional statutory rights which vary from state to state.

**SANYO**

Sanyo Manufacturing Corp.  
3333 Sanyo Road, Forrest City, AR 72335

(EFFECTIVE: January 1, 2000)

# SANYO

**Starlight**  
Backlit Keys

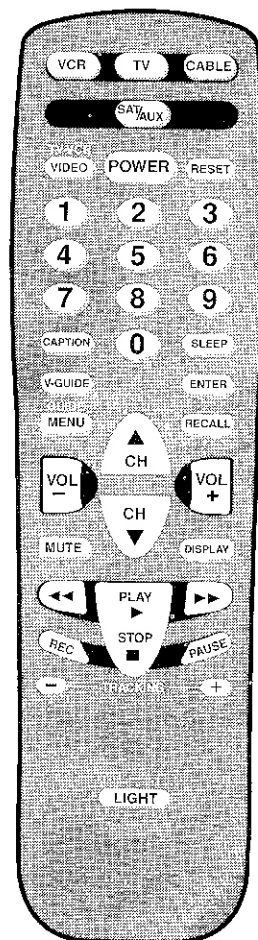
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## Universal Remote Control Owner's Manual

### Model RMT-U200

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Printed in U.S.A.: SMC, March 2000  
Part Number: 1JC6P1P0068A-  
Service Code: 610 279 3246

## TO THE OWNER

### Welcome to the World of Sanyo

Thank you for purchasing the **Sanyo "Starlight" Universal Remote Control**. You made an excellent choice for Performance, Reliability, Value, and Styling.

The **RMT-U200** can replace four separate remote controls. This greatly simplifies the operation of your home entertainment system. This remote control can operate *Video Cassette Recorders, Televisions, Cable Converter Boxes, and Satellite Receivers*. Simply program it according to the directions in this owner's manual. Then press the proper function key (**VCR, TV, CABLE, or SAT/AUX**) to set the remote control to operate each product. The SAT/AUX mode can be programmed to operate a Satellite Receiver or another VCR, Television, or Cable Box.

The **RMT-U200** remote control is ergonomically friendly. It offers **large Channel, Volume, Power, and Light keys that glow-in-the-dark**. It has **Function keys that light** and a **keypad that lights** when the Light key or other related key is pressed. The keypad remains lit for a few seconds after releasing the Light key. This allows easy use in a dimly lighted room.

Because the associated mode key lights when you press any operating key (channel, volume, number etc.), you always know which component is being controlled. Just observe the mode keys. The one that lights is the answer.

The **RMT-U200** universal remote control comes with keys that are preset to operate your Video Cassette Recorder, regardless of the mode you have selected.

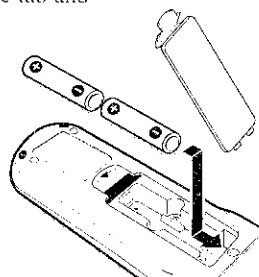
The **Caption, V-Guide, and Rec** keys have reduced heights to lessen accidental activation.

## BEFORE YOU BEGIN

### Install The Batteries

Step 1. Remove the battery cover by pressing the tab and tilting the cover upward.









Step 2. Install two "AA" batteries as shown. Be sure to match the **+** / **-** signs on the batteries with the **+** / **-** marks inside the case.



Note: **Do Not** mix new and used batteries or mix different types of batteries together.

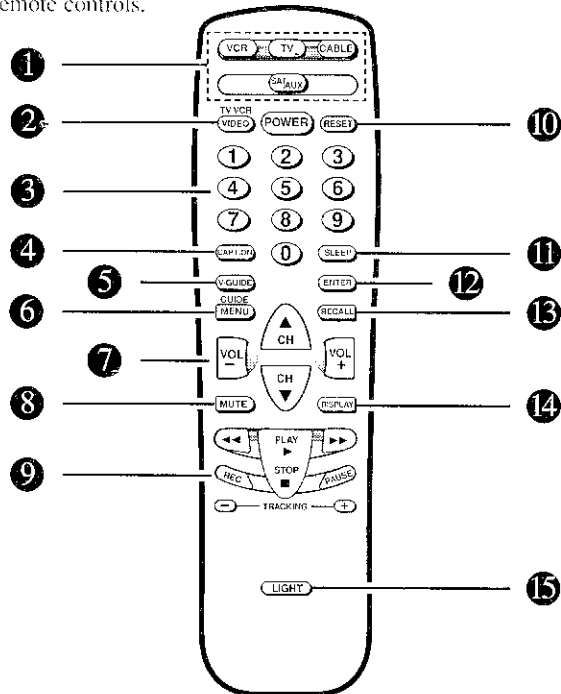
**IMPORTANT NOTE:** SPENT OR DISCHARGED BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY IN COMPLIANCE WITH ALL APPLICABLE LAWS. FOR DETAILED INFORMATION, CONTACT YOUR LOCAL COUNTY SOLID WASTE AUTHORITY.

## OPERATING KEYS DESCRIPTIONS

- ① **Mode Keys**—Use these keys to program the remote control and to select the operating mode (*VCR, TV, Cable or Satellite/Auxiliary*).
- ② **Video/TV•VCR Key**—In the TV and Satellite modes, this key selects the program source to display on the screen (TV signal or signal from equipment connected to the A/V jacks). In the VCR mode, this key functions as a VCR's **TV/VCR** key. This key has no function in the Cable mode.
- ③ **Number Keys**—Use these keys to directly select channels on your VCR, TV, Cable Converter Box, or Satellite Receiver.
- ④ **Caption Key**—Press to select the caption mode: OFF, Caption1, Caption2, Text1, Text2 or Quikcap on a **Sanyo TV**.
- ⑤ **V-Guide Key**—Press this key to access the TV Parental Guidelines setup menu on a **Sanyo TV**. It has no function in other modes.
- ⑥ **Menu/Guide Key**—Use this key along with the  /  and  /  keys to adjust the features of a **Sanyo TV**. Use it to display the Satellite Guide in the SAT/AUX mode.
- ⑦ **Channel** ( / ) and **Volume** ( / ) Keys—In the VCR, TV, and Cable Box modes, press to scan through the channels or to adjust the volume. In the SAT/AUX mode, these keys move the cursor.
- ⑧ **Mute Key**—Press once to turn off the volume. Press again to restore the volume.
- ⑨ **VCR Keys**—These keys control the VCR's Fast Forward (FF), Rewind (REW), Play, Record, Stop, Tracking, and Pause functions.
- ⑩ **Reset Key**—Press this key twice to restore factory settings on a **Sanyo TV**. It has no function in other modes.
- ⑪ **Sleep Key**—Use this key and the **0** (zero) key to set the Sleep Timer on a **Sanyo TV**. Press **Sleep** then **0** to set the amount of time delay. The TV will shut down automatically.
- ⑫ **Enter Key**—Satellite operation only.
- ⑬ **Recall Key**—Press to switch between two channels. This key has no function in the Cable mode.
- ⑭ **Display Key**—Press to display the TV channel number on the screen.
- ⑮ **Light Key**—Press to backlight the keypad. Keys will remain lit for a few seconds after releasing the key.

## OPERATING KEYS LOCATIONS

The keys on this remote control operate functions similar to those of your original remote controls.



## PROGRAMMING THE REMOTE CONTROL

1. Find your equipment's brand codes in the charts on pages 5, 6, and 7.

Note: Larger code numbers may represent more recent models. Therefore, if you have late model equipment, we recommend that you try the largest number first.

2. Press and hold the **VCR**, **TV**, **CABLE**, or **SAT/AUX** mode key while entering the three-digit code number. The **Mode** key will flash 5 times if the code was accepted. The VCR, TV and CABLE modes will accept only each mode's specific code type. If you enter an invalid code, the **Mode** key will light, but it **will not** flash, repeat Step 2. The SAT/AUX mode will accept all code types.

3. Perform Step 2 for each piece of equipment you have (VCR, TV, Cable Converter Box, and/or Satellite Receiver). After entering a code number check the Power and Channel operation. If these functions operate properly, programming is complete. If not, try reprogramming using another code, if available.

After programming is confirmed, enter your codes in the spaces provided below and on the back of the remote control.

VCR CODE

TV CODE

CABLE BOX CODE

SAT/AUX CODE

## VCR Codes Chart

BRAND NAME	CODE NO.	BRAND NAME	CODE NO.
ADMIRAL .....	239	MITSUBISHI .....	210,223,231,244
AIKO .....	205,240	MTC .....	217,219,228
AIWA .....	217	MULTITECH .....	217,228
AKAI .....	215	NEC .....	206,208,215,217,223
BELL & HOWELL .....	203		226,238
BROKSONIC .....	204,227,234,243	OPTIMUS .....	208,223,229,245
CANDLE .....	204,205,208,211,216,217,222,223,233,240	ORION .....	205,206,210,211
CANON .....	216,232		227,234,243
CCE .....	205,240	PANASONIC .....	202,211,216,219,223
CINERAL .....	205,240		232,236,245
CITIZEN .....	205,211,216,217,222	PENTAX .....	221,238
	233,240	PHILCO .....	204,216,217,228,232
CRAIG .....	202,219,223	PHILIPS .....	204,211,216,232
CURTIS MATHES .....	208,211,216,217,222	PIONEER .....	207,242
	232,236,238	PROSCAN .....	236,241
DAEWOO .....	205,211,240	PROTON .....	219
DAYTRON .....	205,240	PULSAR .....	205,208,216,217
EMERSON .....	203,204,205,206,210		233,240
	211,217,223,227,234	QUASAR .....	216,223,232,236,245
	236,240,243,247	RADIO SHACK .....	223,245
FISHFR .....	201,202,203,211	RCA .....	201,207,208,210,216
FUNAI .....	217,228,233		221,222,232,236,241
GE .....	208,212,216,222	REALISTIC .....	200,202,208,216,217
	232,236,246		223,229,232
GOLDSTAR .....	206,208,215,217,223	SAMSUNG .....	208,217,222,233
	226,238	SANSUI .....	219
GO VIDEO .....	208,212,213,219	SANYO .....	200,201,202,203
	248,249	SCOTT .....	211,223,227,234
HITACHI .....	209,217,221,222	SEARS .....	200,201,202,203,211
	230,246		216,217,221,223
JBL .....	237	SHARP .....	224,229,239
J.C.PENNY .....	208,216,219,221,223	SHINTOM .....	219
JVC .....	203,209,220,221	SIGNATURE 2000 .....	200,217,239
	225,226	SONY .....	214,218,226,237
KEC .....	205,240	SYLVANIA .....	204,216,217,228,232
KENWOOD .....	201,203,226,238	SYMPHONIC .....	202,217,226,228,233
LOGIK .....	219,235	TATUNG .....	226
LXI .....	217,228	TEAC .....	217
MAGNAVOX .....	204,211,216,217,219	TEKNIKA .....	216,217,223
	220,232	TOMAS .....	217
MAGNASONIC .....	205,219,223,240	TOSHIBA .....	202,205,210,211,240
MATSUSHITA .....	216	WARDS .....	202,204,208,211
MEMOREX .....	200,202,203,215		217,223,224,229
	221,223,224,245	WHITE WESTINGHOUSE .....	205,240
		YAMAHA .....	226,238
		ZENITH .....	215,222,223,225,228

## Satellite Receiver Codes Chart

BRAND NAME	CODE NO.	BRAND NAME	CODE NO.	BRAND NAME	CODE NO.
ALPHA STAR .....	431	HUGHES .....	407	SONY .....	420
CHAPARRAL .....	408,414,424	JANEIL .....	404	STAR CHOICE .....	435
EHOSTAR .....	410,413,416	JERROLD .....	425,427	STS .....	402
	417*,432	JVC .....	432	TOSHIBA .....	405,422
EXPRESSVU .....	432	MAGNAVOX .....	429,430	UNIDEN .....	401,406
FUJITSU .....	404	MEMOREX .....	430		409,412
GE .....	419	PANASONIC .....	400,428		429,430
GEN. INSTRUMENTS .....	403*,405	PHILIPS .....	429,430	VIEWSTAR .....	418
	415,425	PRIMESTAR .....	411,425,427	VIDEO PALL .....	404
	427,435	PROSCAN .....	419,426	ZENITH .....	404,434
HITACHI .....	407,421	RCA .....	419,423		
HTS .....	432		426,433		

\*Use Power key on Receiver.

## TV Codes Chart

BRAND NAME	CODE NO.	BRAND NAME	CODE NO.
ADMIRAL	100,114,115,124 128,129,137	AIKKA	148
AKAI	101,102,110,122	OPTONICA	147
AOC	101,109,111	ORION	128,142,205,227
AUDIOVOX	105,151	PANASONIC	105,107,112,123
BELL & HOWELL	114,115,129,137		124,135,136,139
BROKSONIC	101,103,115,119	PENNY	155
CANDLE	101,103,109,111 115,117,120,121 132,136,144	PHILCO	101,102,109,111 112,115,117,121 129,133,136,145
CINERAL	151	PHILIPS	115,121,133
CITIZEN	121,144	PIONEER	107,108,111,112
CONCERTO	144	PROSCAN	124,138
CRAIG	103,105,117,120	PROTON	101,102,111,117 124,132,148
CROSLEY	115	PULSAR	101,111,136
CROWN	117,132	QUASAR	107,112,123,135 139,147
CURTIS MATHES	102,109,111,115 120,124,132,137,155	RADIO SHACK	100,103,105,107,115 124,130,132,144 147,148
DAEWOO	101,107,109,111 121,132,136,139, 150,151,154	RCA	103,107,108,111 118,120,124,125 126,132,138,155
DAYTRON	111,132,136	REALISTIC	144,147,148
ELECTROHOME	101,132	RUNCO	153
EMERSON	101,102,103,104,105 111,112,116,117,120 128,129,132,134,142 148,150,152,154	SAMPO	107,109,111,135
FISHER	100	SAMSUNG	101,109,111,120,121 129,132,143,144,148
FUNAI	103,104,105	SANSEI	151
GRADIENTE	144	SANYO	100
GE	101,103,107,111,118 120,123,124,132,138 148,150,151,155	SCOTCH	148
GOLDSTAR	101,102,106,109,111 112,114,132,133,134 138,144,148	SCOTT	101,103,105,111 115,116,124,128 131,132,148
HALLMARK	148	SEARS	100,101,115,124 144,148
HITACHI	111,123,124,129,132 135,136,141,144,146	SHARP	110,129,130,132 134,147
JBL	133	SIGNATURE 2000	130,137
J.C.PENNY	101,109,120,123 124,132,155	SIMPSON	149
JVC	120,121,123	SONY	110,132,217
KENWOOD	101,102,109,127,134	SOUNDESIGN	148
KTV	103,105,109,111 132,140	SYLVANIA	101,102,109,111 112,115,117,121 133,136,145
LG	144	SYMPHONIC	104,105
LOGIK	114,137	TANDY	145
LXI	100,101,115,124,148	TATUNG	107
LUXMAN	144	TECHNICS	112,123,135
MAGNASONIC	101,102,129,136	TECHWOOD	144
MAGNAVOX	101,102,109,111,112 113,115,117,121,123 129,133,145,149	TEKNIKA	103,105,109,111 117,132,136,137,144
MEGATRON	148	TELEFUNKEN	144
MEMOREX	100,101,137,144,148	TMK	144,148
MGA	148	TOSHIBA	120,121,131
MITSUBISHI	101,102,109,111 122,132,133,148	VIDTECH	148
MTC	101,109,115,120 136,144	WARDS	101,109,111,114,115 117,120,121,124,129 137,144,145,147,148
NAD	148	WHITE WESTINGHOUSE	151,152,154
NEC	101,102,106,109,111 112,114,132,133,134 138,144,148	YAMAHA	109,112,117,134,136
		ZENITH	106,114,136,137

## Cable Converter Box Codes Chart

BRAND NAME	CODE NO.	BRAND NAME	CODE NO.
ABC	304,306,309,312,313 314,318,322,324	PIONEER	312,317,333
AIM	321	PROSCAN	328
ARCHER	334	RADIO SHACK	334
CONTEC	302,305,307,308 311,318,320,324	RCA	328
CPI	319	REGAL	320
DIAMOND	320	REMBRANT	305
EAGLE	313	SAMSUNG	310,312
EMERSON	334	SCI. ATLANTA	324,327
GEN. INSTRUMENTS	303,309,311,322,323	SIGNAL	310
GOODMIND	334	SIGNATURE	300,322
HAMLIN	320,330	SPRUCER	307,316
JERROLD	303,308,309,311 313,319,322,323	STARGOM	309,321,322,323,332
MAGNAVOX	301,322	STARGATE	310,321,334
MEMOREX	313,314,332	TOCOM	300,304,305,306,307
MOVIE TIME	306,310,314	TOSHIBA	316,331
NORTHCOAST	316	TELEVIEW	310
NSC	305,306,314	UNITED CABLE	309
OAK	305,318,320	UNIKA	314
PANASONIC	302,307,317	U.S. ELECTRONICS	309,322,324
PARAGON	313,314	VIEWSTAR	313,315,326
PHILIPS	313,314,325,329	WARDS	322
		WARNER	312
		ZENITH	316,331

## Operating Tips and Troubleshooting Hints

- The VCR and TV modes are preprogrammed with Sanyo codes.
- To operate each product (VCR, TV, Cable Box, or Satellite Receiver), you must first press the proper mode key (VCR, TV, CABLE, or SAT/AUX).
- The SAT/AUX mode can be programmed to operate a Satellite Receiver or another VCR, TV, or Cable Box.
- Some manufacturers use different types of remote controls. If your brand has several codes listed, program the unit with different codes until you find the correct one. Larger numbers may represent newer models.
- There may be VCRs, TVs, Cable Converter Boxes, and Satellite Receivers that this remote control cannot operate. Some models may operate only partially.
- Code numbers will remain in memory for five minutes as you replace batteries.
- Remove batteries from the remote control if it will not be used for a month or more. Weak batteries may leak, causing damage to the remote control.
- This remote control uses an invisible (infrared) light beam to operate the equipment. Objects between the equipment and the remote control can block this light beam. Therefore, the remote control must be pointed directly at the equipment you want to operate.
- This remote control **cannot** add features to your equipment. They must have been originally provided by your equipment's manufacturer.
- If the remote control fails to operate any of your equipment replace the batteries. Be sure batteries are installed correctly.