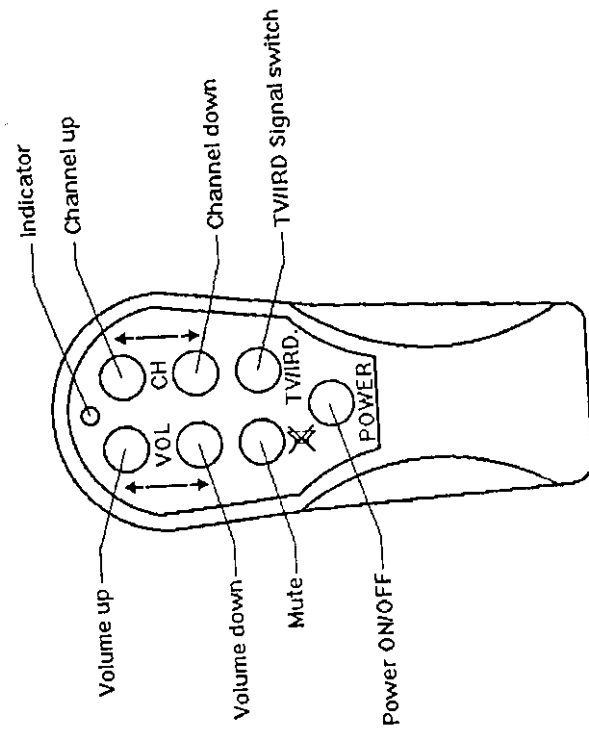


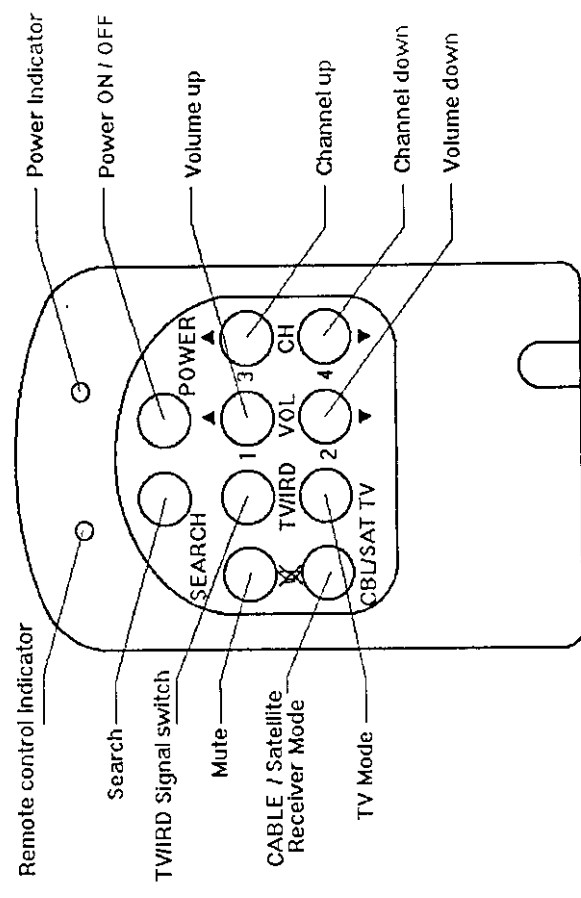
I. TRANSMITTER KEYS DESCRIPTION



Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

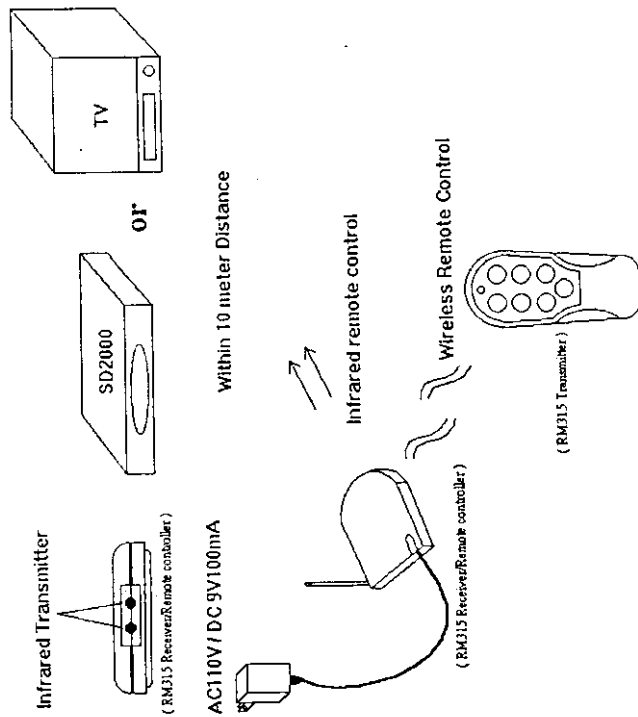
Teknika	11124, 11233, 11234, 11242, 21421
	11244, 11314, 11424, 11433
	11434, 12244, 12314, 12323
	12324, 12342, 12343, 12412
Texscan	21432, 21434, 21441
Thomson/ProScan	11241, 12411
TNK	11433, 11434, 12342
Tocom	21321, 23212, 23322, 22144
Toshiba	22133, 22221, 23142
	11121, 11223, 11322, 11424
	11442, 11443, 12324, 12431
	13211, 13333
Trans PX	22312, 22313, 22314, 23133
	23144
Tri-vision	21322, 21324, 21334, 22143
	22231, 22321
Tunex	11433
U-MEN	12442
Unika	21313, 21431, 23221
	21332
United cable	22142, 23421
United satellite	21422, 21423
Universal	11431, 12141
VECCOM	23411
Victor	11132, 11133, 11134, 12134
	13132
Video way	22141
Vidtech	11124, 11433
Viewstar	21313, 21314, 21321, 21322
	22112, 22113, 22114, 22131
	22132, 23221, 23222
Visa	13213
Warner Amex	21413
Wards	11124, 11233, 11234, 11242
	11244, 11311, 11312, 11322
	11413, 11421, 11422, 11423
	11431, 11433, 11434, 11441
	12141, 12214, 12241, 12323
	12341, 13133

II. RECEIVER/REMOTE CONTROLLER KEYS DESCRIPTION



Sony	11111, 11112, 11134, 12413 12423, 13342	
Sowa	11121, 11134, 11432, 12324 12423	23413
SPACE TV		21412, 22414
Squarer		
SSS	11433, 12343	22243
Standard component		21332, 21341, 21342
Starcom		21433
Stargate		22413
STS		
Super Tech	12431, 13323	
Sylvania	11234, 11242, 11322, 11413 11421, 11422, 11423, 11433 11434, 12131, 12141, 12243 12341, 13133	21434, 21441
Symphonic	12214, 12232	
Synco	11111, 11134, 11213, 12413 12423	
TADA		22433, 23211
Talcom		22331, 22434
Tai Wah	13311, 13312	
Tashiko	12424	
Tatung	11121, 11134, 11432, 12324 12344, 12423, 12431, 13211	
Tay Shoen		22443, 23124
Technics	11313	
TECHNOSAT		23332
TECHNOVISION	13322	
Techwood	11433, 11434, 12342	
Teco	11432, 12423, 12432, 12442 13114, 13121, 13122, 13123 13124, 13131	
Tedalex		23331
Telecaption II	11433, 12323	
Telerent	11233, 11244	
Tera	12341, 12423, 13114	

III. INSTALL INSTRUCTION

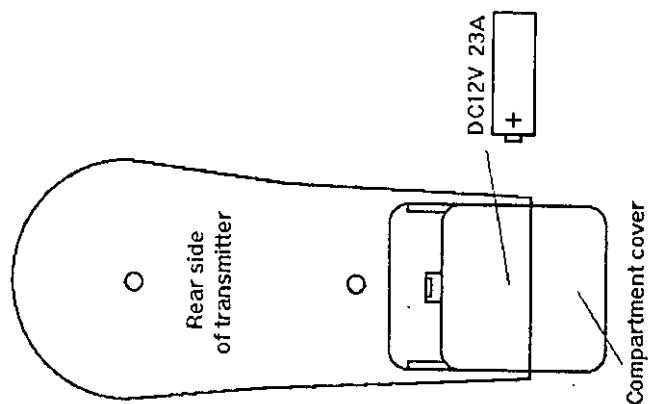


Place the RM315 receive/remote controller within 10 meters front of the equipment that want to control (such as : SD2000/Satellite receiver) and have the infrared transmitter point to the equipment. Now, after power on the remote controller and key in the remote control access code of the target equipment, you can start to enjoy the remote control.

RCA	11124, 11344, 11411, 11432 11433, 11434, 12234, 12241 12242, 12411, 13134, 13141 13231, 13232	21412, 22124, 23223
RC-AK		23244
Realistic	11233, 11312, 11322, 11414 12322, 12343	22211
Regal		21344, 21411, 22311
Regency		22112, 22122
Rembrandt		22243
Sampo	11134, 11213, 11322, 11433 11434, 12341, 12422, 12423 12424, 12432, 12433	
Samsung	11124, 11233, 11314, 11322 11414, 11433, 11434, 12114 12223, 12324, 12341, 12342, 13234, 13242	21413, 21433, 22213, 22243 23313
Sanyo	11141, 11142, 11143, 11223 11322, 11343, 12112, 12113 12311, 12423, 12431, 12441 13334	
Scientific Atlanta		21332, 21344, 22121, 22212 23232
Scott	11223, 11322, 11434, 12214 12222, 12323	
Sears	11121, 11233, 11322, 11343 11424, 11433, 11434, 12111 12134, 12241, 12311, 12323 12324	
Sharp	11213, 11214, 11233, 11311 11312, 11314, 11433, 11434 11444, 12144, 12414, 12434 13214	23132
Signature		21342
Singer	12442	
Sky Grant		22322, 23112
SMILE		23412, 23413
Soundesign	11234, 11433, 11434	

IV. POWER 1 TRANSMITTER

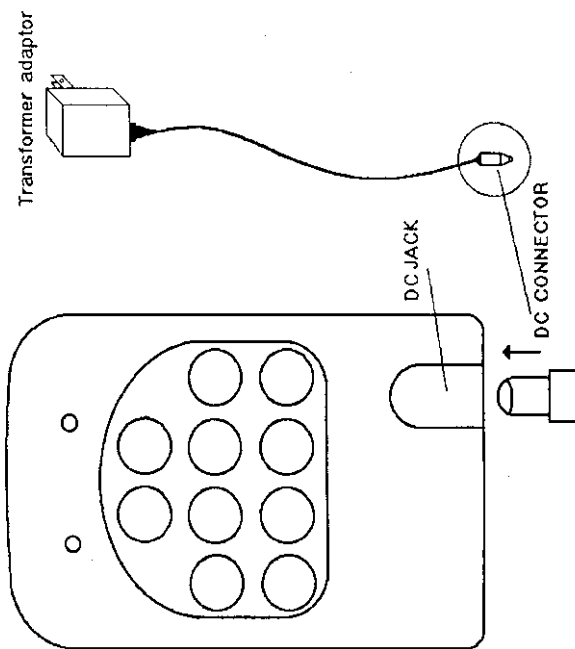
Newave	11213,12424,12444		
NSC		22111,22243	
OAK		21442,21443,22324	
Onking	13223		
ORBIT		23244	
Panasonic(National)	11113,11114,11242,11313 11432,12122,12143,12313 12344,12442,12443,12444 13111,13133	21344,21412,22414,23214	
Pansat		23243	
Paragon(Zenith)		21424	
PBI		23411	
Phitco	11124,11233,11234,11242 11413,11421,11422,11423 11432,11433,11434,12131 12312,12341,13133		
Philips	11111,11233,11234,11242 11243,11321,11413,11421 11422,11423,11432,11433 11434,12122,12312,12341 13133,13324,13331,13341	21313,21314,21321,21322 22112,22113,22114,22131 22132,22214,23221,23222	
Pioneer	11241,11313,11314,11433 11434,12123	21413,22213,23213	
Polestar	13241		
Portland	11124,11233,11314,11433 11434		
Praxis	13244		
Primestar		23242	
Prosar		23231	
Proton	11233,11314,11433,11434 12121,12341,12413,12423 12431,13112,13114,13144		
Pulsar		21433	
Quasar	11313,11432,12142,12344		
Radio Shack	11233,11311,11312,11322 11414,12232,12241,12343		
Randiek		22131,22132	



A DC 12V sized 23A battery is required for the transmitter. Install the battery by removing the battery compartment cover and loading the battery into the compartment with poles are facing in the proper directions.

Note: Once the battery is installed, press any bottom should light up the LED. If the LED is not lighted up or dim means the battery may not face in the proper poles directions or battery power is too low.

2. RECEIVER/REMOTE CONTROLLER



The remote controller consumes DC 9V electrical power. An AC 110V to DC 9V power transformer adaptor is provided for the remote controller. The user only needs to plug the DC connector into the DC IN jack on the controller and plug the other end of the adaptor into an AC 110V outlet to operate the remote controller. (The power indicator should be lighted on now.)

KMC	11233,11314	
KOKA		22343,22434,22442
Kolin	11134,12421,12423,13132	
KTV	11233,11314,12133,12343	
LEON		22432
Lloydron	11233	
Loewe	11242,13133	
Lodgenet	11244	
Logik	11244	
Luxman	11433,11434,12342	
LXI	11121,11213,11242,11322	
	13133	
Macom		21441,22221,22222
Magnavox	11234,11232,11233,11242	21313,21314,21321,21322
	11322,11413,11421,11422	22112,22113,22114,22131
	11423,11433,11434,12131	22132,23221,23222
	12141,12341,13133	
Majestic	11244	
Marantz	11242,11413,11423,11433	
	11434,12132,12341,12412	
	13133	
Magatron	12413	
Memorex	11244	
MGA/Mitsubishi	11124,11131,11313,11314	23342
	11321,11322,11342,11343	
	11433,11434,12224,12323	
	12341,12412,12431	
MICRO FORMULA		23411
Mina		23341
MTC	11124,11433,11434,12324	
	12341,12342	
Multivision	12124	
NAD	11121	
NEC	11124,11232,11233,11322	
	11432,11433,11434,12314	
	12341,12342,12442,13121	
	13131	

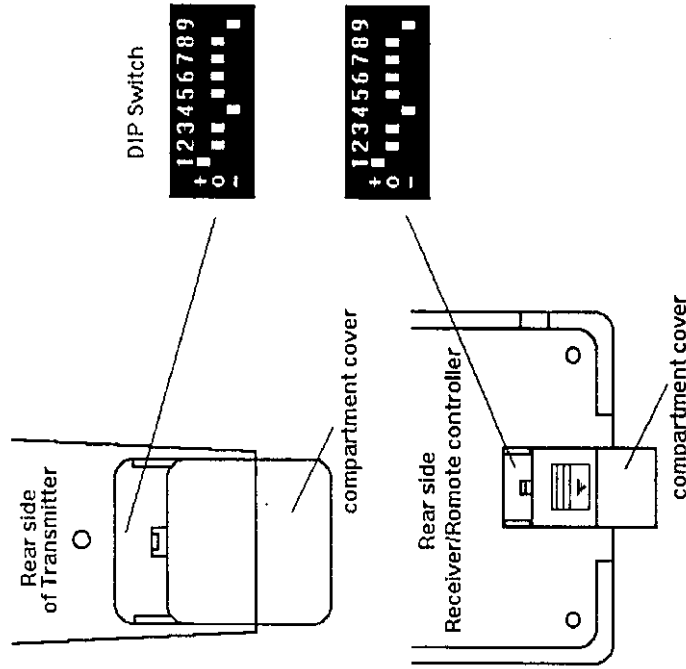
General(Fujitsu)	11234		21324,21331,21332,21333 21334,21341,21342,22231 22234,22244,22424
G.I/terold			
Ginai	12424		
GMI			22323,22432,23122,23134 23141
Goldstar	11124,11224,11233,11314 11322,11332,11433,11434 12342,13341		
Hallmark	11433,11434		
Hamlin			21323,21344,21411,22224 22311
Hitachi	11122,11123,11233,11312 11314,11331,11414,11424 11431,11433,11434,12321 12331,12342,12423,12432 13332		21342,21444,22223
IEEC			22443,23114,23121
Infinity	11242,13133		
Jasco			22313
JBL	11242,13133		
J.C. Penney	11124,11233,11322,11344 11424,11431,11433,11434 12141,12143,12224,12241 12341,12411		
Jean	11121,11433,12413,12423 12424		
JEBSEE			22331
Jensen	11433,11434		
JVC	11132,11133,11134,11233 11313,11323,11324,11414 11424,12134,12332,13132		22422
Kale vision			22243
Kawasho	11111,11433,11434		
Kenwood	11433,11434		
Kloss Novabeam	11413,11423		

V. THE REMOTE ACCESS CODE SETTING

To set or change the access code by setting the DIP switch covered by a sliding cover on the rear side of both transmitter and remote controller.

(NOTE: The setting of the transmitter and remote controller must be accordant to make the controller work. For example 1 shown on below)

Example 1 :



VI. OPERATION

1. BRAND CODE SETTING

Refer to the attached brand list table to find out its Brand and corresponding code.

The setting steps:

- (1) Press **TV** or **CBL/SAT** key to select the TV or IRD mode that you want to set. If the current mode is on the mode you want to control, then skip to step (2) directly.
- (2) Press and hold **MUTE** key and then press **POWER** key simultaneously about 2 seconds to light up the remote control indicator.
- (3) Key in the 5 digits that checked from brand list in orders.
- (4) Once upon the 5 digits are properly key in, the remote control indicator will automatically switch off to complete the setting. If the code is not existing, the remote control indicator will flash twice and remain on the setting condition. In this case, please repeat from the step (3).
- (5) During the setting of the code, press any besides of the numerical keys, Channel Up/Down, and Volume Up/Down, will automatically exit the setting mode.

NOTE: If it is not activated within 10 seconds, it will automatically exit the setting mode.

2. QUICK SEARCHING:

If the remote controller remains not functioned after proprietary set of the target equipment, or unable to find a code from the list, you may use **QUICK SEARCHING** function to find a suitable access code.

- (1) Turn on the power of equipment that you wish to control.
- (2) Press **TV** or **CBL/SAT** key to select the mode you want to set. If the current mode is on the mode you want to control, then skip to step (3) directly.
- (3) Press and hold **MUTE** key and then press **POWER** key simultaneously about 2 seconds to light up the remote control indicator.
- (4) Key in access code "4" "4" "4" and followed by pressing **POWER** key to enter quick searching mode. The remote control indicator is flashing while entered this mode.
- (5) Point to the equipment and press **POWER** key. The RM315 will deliver a power code of the next access code. Check if the equipment properly function (**POWER OFF**) or not. If not, repeat step (5).
- (6) Try other keys (Channel Up/Down, Volume Up/Down) to check if they function properly. If they are not functioned correspondingly, go back to step (5).

Coronado	11233	
Craig	125232, 12343	
Curtis Mathes	11233, 11244, 11322, 11433 11434, 12223, 12241, 12324 12332, 12341, 12411	
CXC	12232, 12343	
Daewoo	11124, 11233, 11314, 11433 11434, 12333, 12334, 12333	
Daytron	11233, 11314, 11322, 11433 11434	
Diamond		22123, 22311
Drake		22134, 22232, 22233, 22412 23422, 23433, 23433, 23344
Eagle		22131, 22132, 22332
Eastern		22122, 22333, 22334, 22444 23111, 23131, 23143
EchoStar		23241, 23311, 23312, 23314 23321, 23323, 23324
Electrohome	11233, 11314, 11342, 11433 11434, 12224, 12412	
Emerson	11213, 11233, 11314, 11333 11334, 11341, 11432, 11433 11434, 12144, 12211, 12212 12213, 12214, 12221, 12222 12231, 12232, 12322, 12323 12343, 13142	24313
Envision	11433, 11434, 12341	
Ether	11433, 12413, 12444	
Fisher	11322, 11343	24232
Funai/Fullness	11221, 11222, 11223, 11224 11231, 12232, 12323, 12343 12433	
G.E.	11313, 11431, 11432, 11433 11434, 12141, 12142, 12143 12224, 12241, 12344, 12411 13134, 13141	
Gemini		22241, 22242, 22243, 22244

RM315 Brand list Table

(BRAND)	(TV)	(Cable/Satellite Receiver)
ABC		21342,21343,21344,22121 22324
Addison	13132	
Admiral	11244,12411	
AEON		22434
Aiwa	11144,11211,11212	24342
Akai	11111,12412	24141
Amark	11233,12413	
Amstrad	11341	
Anam	11432,12343,12344	
Anvision		21413,22131,22132
AOC	11124,11314,11433,11434 12242,12323,12324,12341 12413,12423	
APO		23123
Archer		22313
ASIA Giant		22342,23113
AWA	11223,13133,13313	
BESTLINK		23234,22431
Bell & Howell	11244	
BENJAMIN		23334
Cablestar		21413,22131,22132
Candle/Citizen	11233,11234,11314,11433 11434,12232,12314,12324 12341,12342	
Caravell		24441
Centurion	11322,11434	
Chaparral	13243	
Chun Yun	11124,11433,12413,12421 12423,12431,12444	
Chung Hsin	11134,12421,12423,13132	
Coloryme	11433,11434,12233	
Concerto	11433,11434,12342	
Contec/Cony	11233,11414,11424,12231 12232,12331,12343,12414	

- (7) During any time wish to exit **QUICK SEARCHING** mode, press **TV** or **CBL/SAT** key.
 - (8) In the **QUICK SEARCHING** mode, press any keys except **MUTE** and **POWER** key should properly work. You can testify it's correspondent functionality on the **QUICK SEARCHING** mode.
- NOTE:** If it is not pressed any key within 30 seconds, it will automatically exit the **QUICK SEARCHING** mode.
3. **SIMPLE SEARCHING**
- During normal operation mode, can make direct searching by using **SEARCH** key without any complicated setting procedures
- (1) Turn on the power of the equipment that you wish to control
 - (2) Press **TV** or **CBL/SAT** key to select the mode you want to set. If the current mode is on the mode you want to control, then skip to step (3) directly.
 - (3) Point the RM315 to the equipment and press **SEARCH** key. RM315 will deliver the power code of the next access code. Repeatedly press **SEARCH** key until the equipment can be activated (Shut down the power). Now, the access code of the equipment is found. Do not press **SEARCH** key any more. You can start to use this remote controller to control the equipment

VII. DISPLAY ACCESS CODE

- The access code consist of five digits. RM315 can display each digit by its orders
- (1) Press and hold **MUTE** key and then press **POWER** key simultaneously about 2 seconds to light up the remote control indicator
 - (2) Key in the control code "4" "4" "4" "4" "4"
 - (3) Press "1" (i.e. Volume Up key). The frequency flashing on the remote control indicator indicates the code of the first digit.
 - (4) Press "2" (i.e. Volume Down key). The frequency flashing on the remote control indicator indicates the code of the second digit.
 - (5) Press "3" (i.e. Channel Up key). The frequency flashing on the remote control indicator indicates the code of the third digit.
 - (6) Press "4" (i.e. Channel Down key). The frequency flashing on the remote control indicator indicates the code of the fourth digit.
 - (7) Press **MUTE** key. The frequency flashing on the remote control indicator indicates the code of the fifth digit. After finishing above setting, the control indicator will remain lighting on about one second and exit the display mode.
 - (8) If did not press the keys in their orders or press any key other than aforementioned, it will automatically exit the display mode

NOTE: If did not press key within 10 seconds, it will automatically exit the display mode

VIII. Quick operation guide

1. Access Code Setting



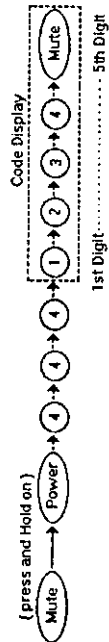
2. Quick search



3. Simple search



4. Display Access Code



Remark ——— Continuously press key

----- Press and release the key

(If there are not clear on the above operation guide, please read the operation instruction carefully)