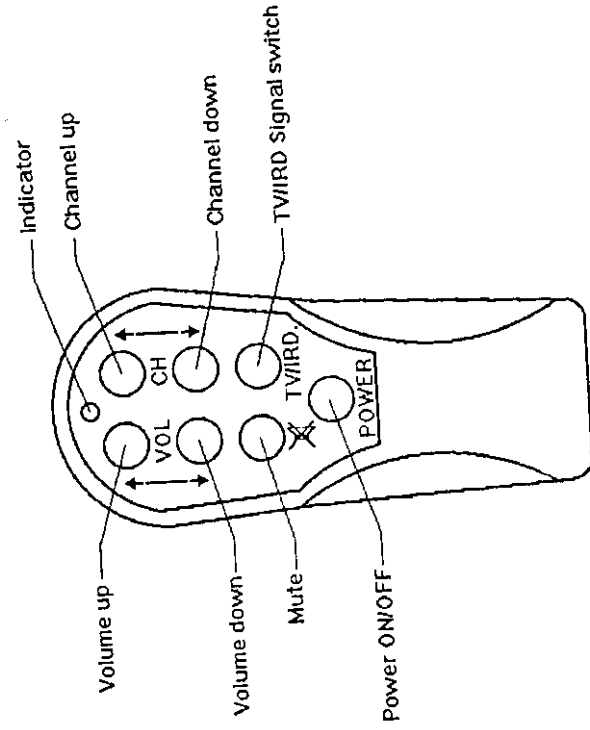


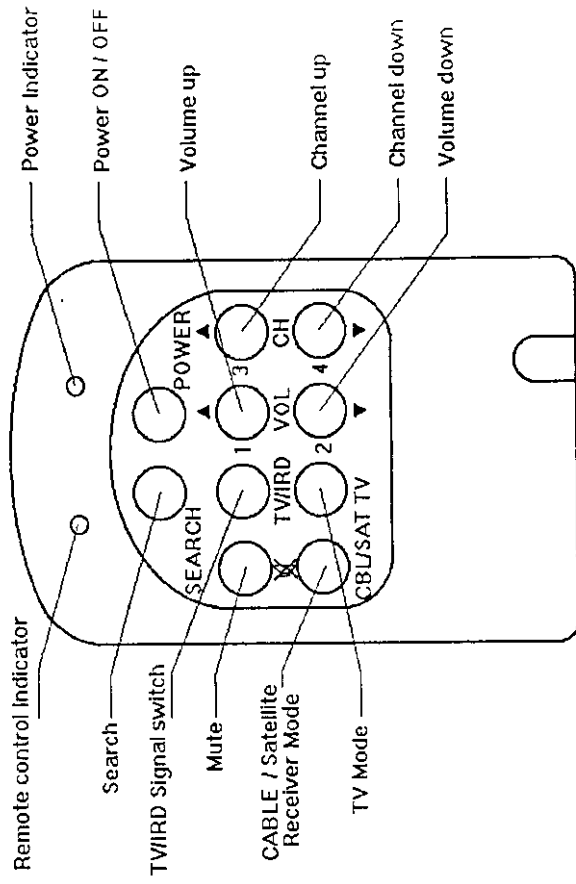
I. TRANSMITTER KEYS DESCRIPTION



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

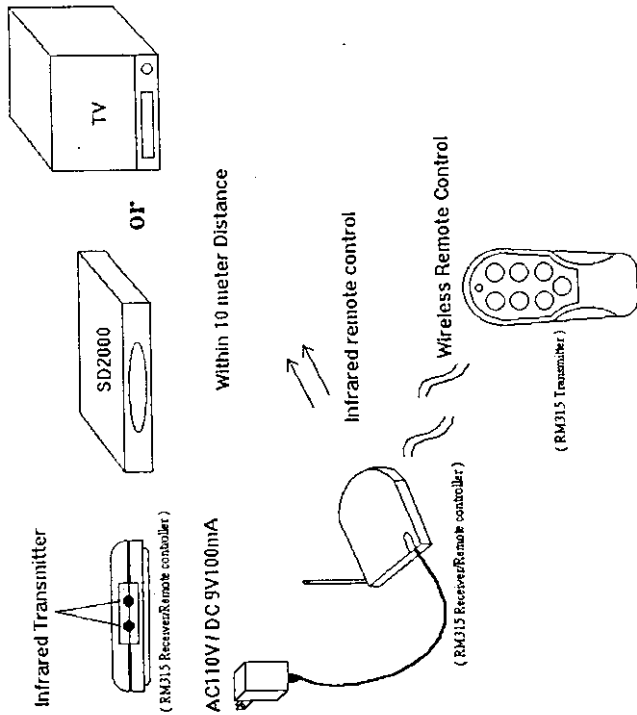
Teknika	11124, 11233, 11234, 11242, 11244, 11314, 11424, 11433, 11434, 12244, 12314, 12323, 12324, 12342, 12343, 12412, 21432, 21434, 21441	21421
Texscan	11241, 12411	
Thomson/ProScan	11433, 11434, 12342	
TMK		21321, 22212, 23322, 22144
Toocom		22133, 22221, 23142
Toshiba	11121, 11223, 11322, 11424, 11442, 11443, 12324, 12431, 13211, 13333	22312, 22313, 22314, 23133, 23144
Trans PX		
Tri-vision		21322, 21324, 21334, 22143, 22231, 22321
Tunex	11433	
U-MEN	12442	
Unika		21313, 21431, 23221
United cable		21332
United satellite		22142, 23421
Universal	11431, 12141	21422, 21423
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 21412,22414
SPACE TV		22243
Sprinter	11433,12343	21332,21341,21342
SSS		21433
Standard component		22413
Starcorn		
Stargate		
STS	12431,13323	21434,21441
Super Tech	11234,11242,11322,11413	
Sylvania	11421,11422,11423,11433 11434,12131,12141,12243 12341,13133	
Symphonic	12214,12232	
Synco	11111,11134,11213,12413 12423	22433,23211 22331,22434
TADA		
Taiacom		
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	
Tedelex		23331
Telecaption II	11433,12323	
Telerent	11233,11244	
Tera	12341,12423,13114	

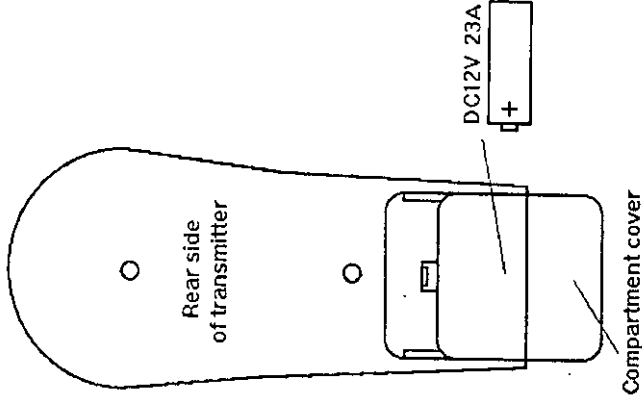
III. INSTALL INSTRUCTION



Place the RM315 receiver/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
R.C.-AK		23244
Realistic	11233, 11312, 11322, 11414, 12222, 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

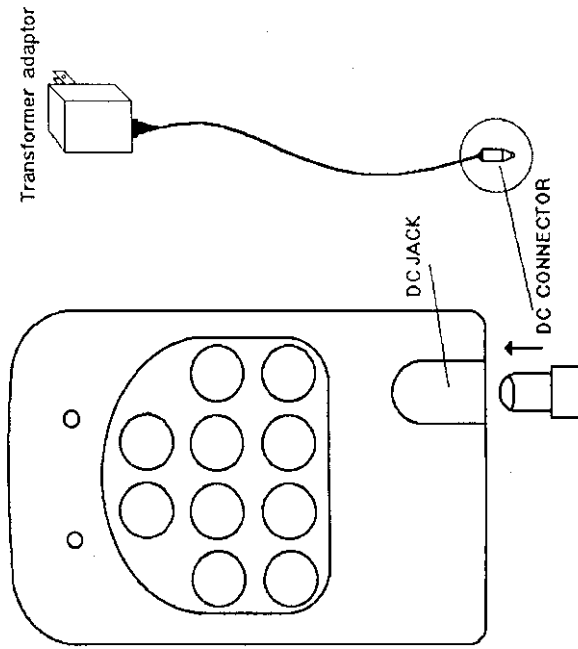


A DC 12V sized 23A battery is required for the transmitter. Install the battery by removing the battery compartment cover and loading the battery into the compartment with poles are facing in the proper directions.

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.

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	
Randtek		22131,22132

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 lit on now.)

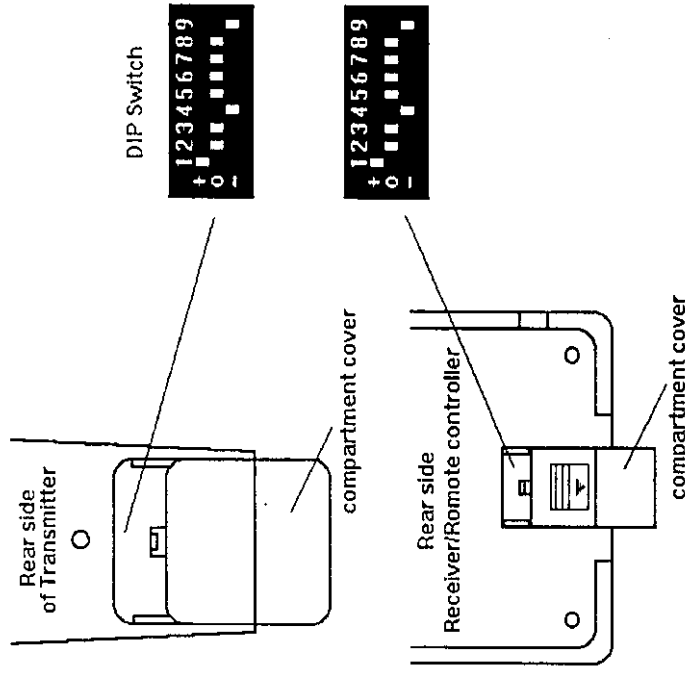
KMIC	11233,11314	
KOKA	1134,1242,1243,1312	22343,22434,22442
Kolin	11233,11314,12133,12343	
LEON	11233	22432
Lloytron	11242,13133	
Loewe	11244	
Lodgenet	11244	
Logik	11433,11434,12342	
Luxman	11121,11213,11242,11322	
LXI	13133	
Masom		21441,22221,22222
Magnavox	11234,11232,11233,11242	21313,21314,21321,21322
	11322,11413,11421,11422	22113,22113,22114,22131
	11423,11433,11434,12131	22132,23221,23222
	12141,12341,13133	
Majestic	11244	
Marrantz	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	

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 :



General(Fujitsu)	11234	21324,21331,21332,21333 21334,21341,21342,22251 22234,22244,22424
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	21342,21444,22233
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	

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 11434,12223,12341,12334 12332,12341,12411		
CXC	12332,12343		
Daewoo	11124,11233,11314,11433 11434,12333,12334,12333		
Daytron	11233,11314,11322,11433 11434		
Diamond		22123,22311	
Drake		22134,22232,22233,22412 23422,23433,23343,23344	
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	
Chaparal	13243	
Chun Yun	11124,11433,12413,12421 12423,12431,12444	
Chung Hsin	11134,12421,12423,13132	
Colortyme	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

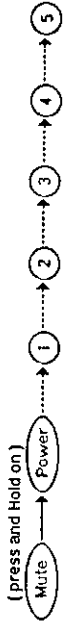
VII. DISPLAY ACCESS CODE

- 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"
 - (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

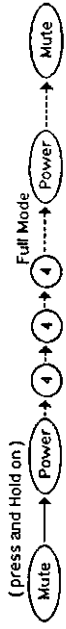
NOTE: If did not press key within 10 seconds, it will automatically exit the display mode

VIII. Quick operation guide

1. Access Code Setting



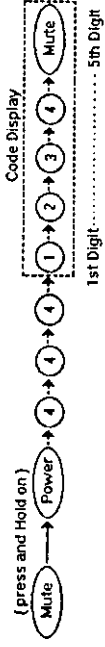
2. Quick search



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)