

Exhibit E

User's Manual

SMILE COMMUNICATION INC.

FCC ID.:NL9RMTX315

RF IR Repeater Transmitter

Waron	11132,13132	
Winer		22342,23224,23233
WISO		22344,23441
Yamaha	11124,11433,11434	
York	11322,11434	
Zenith	11412,13212	21414,21424,22134,22221 22232,22412,23414,23422 23423
Others	13113,13143,13221,13222 13224,13314,13321,11213	22341,22411,22421,22423 23424



RM 315

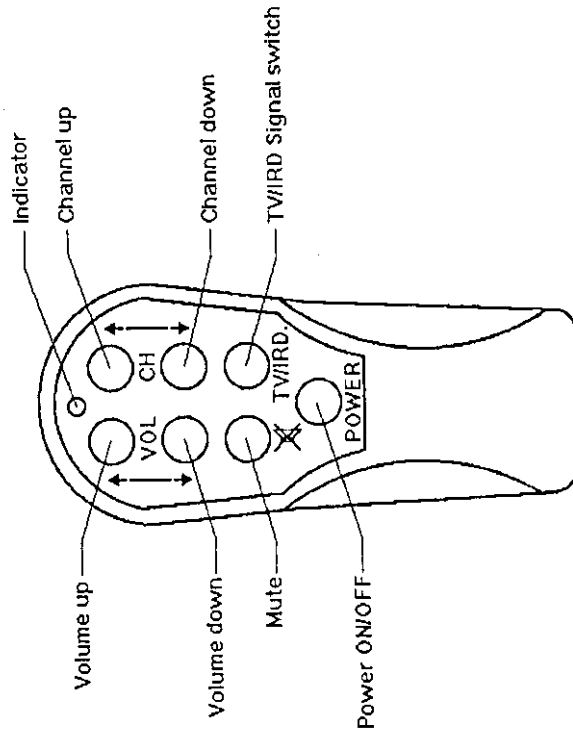
USER MENU

SMILE COMMUNICATION INC
6F-1, 66 Nankun Rd. Sec. 2, Luchu Hsiang, Taoyuan Hsien,
TAIWAN, R.O.C.

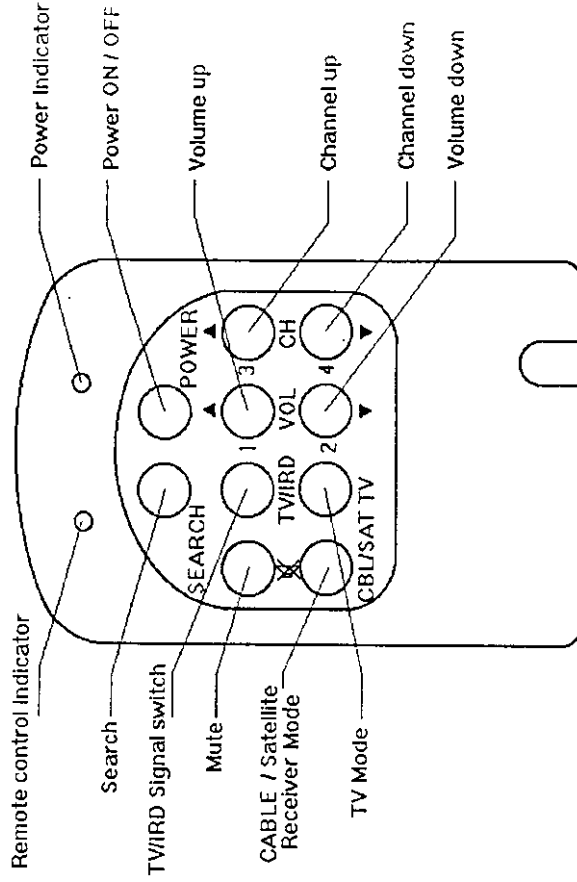
TEL : 886-3-3527077 FAX : 886-3-3525523



I. TRANSMITTER KEYS DESCRIPTION



II. RECEIVER/REMOTE CONTROLLER KEYS DESCRIPTION

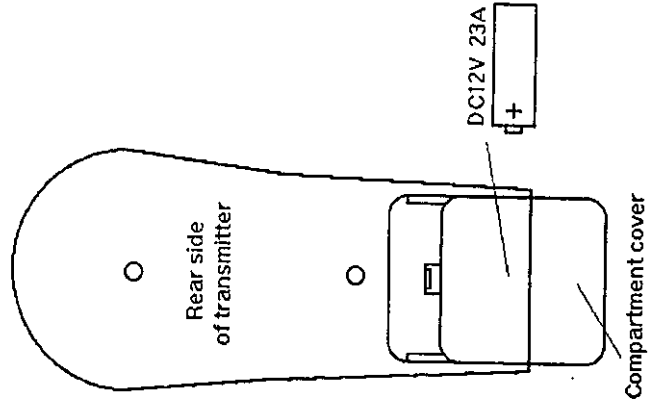


Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

III. INSTALL INSTRUCTION

IV. POWER

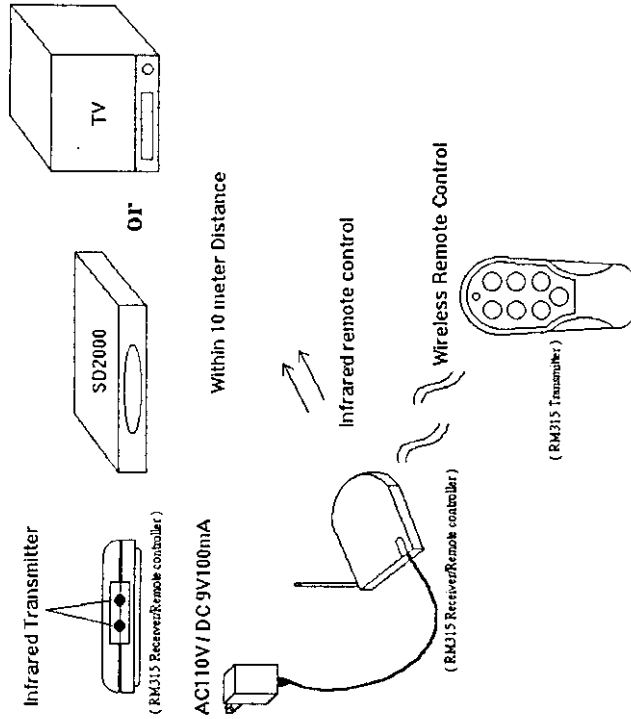
1. TRANSMITTER



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.

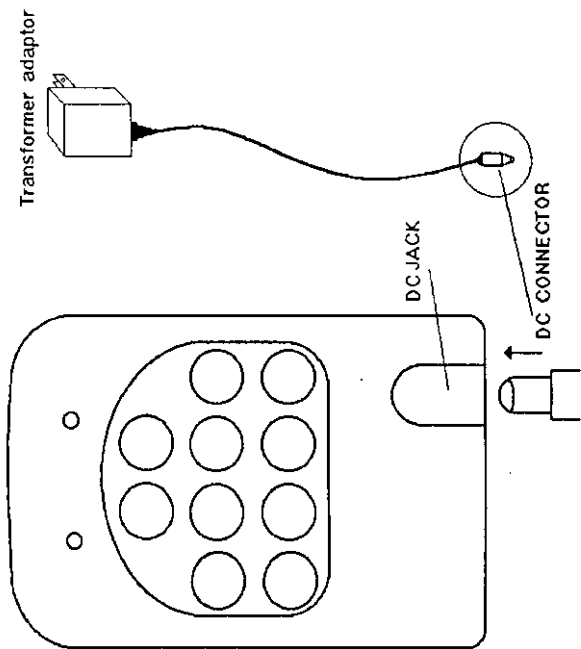
4



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.

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2. RECEIVER/REMOTE CONTROLLER



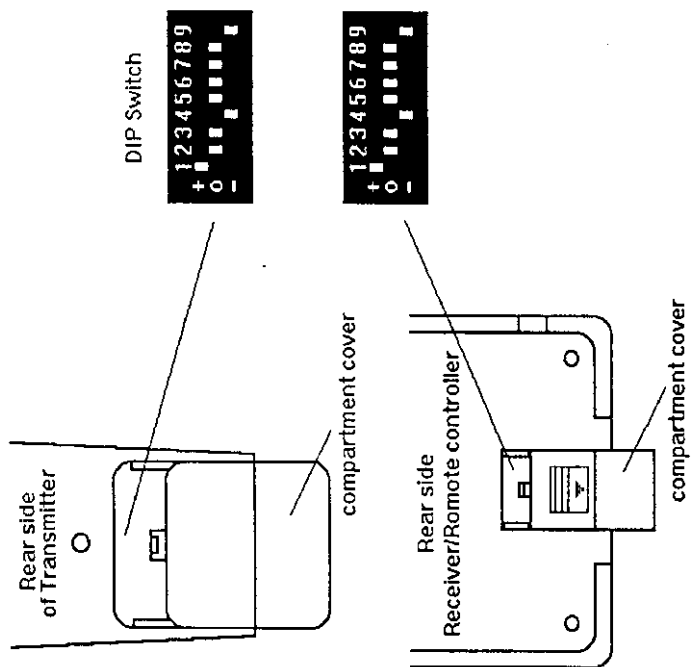
The remote controller consumes DC 9V electrical power. An AC 110V to DC 9V power transformer adapter is provided for the remote controller. The user only needs to plug the DC connector into the DC IN jack on the controller and plug the other end of the adapter into an AC 110V outlet to operate the remote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

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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 according to make the controller work. For example 1 shown on below)

Example 1 :



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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).

- (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



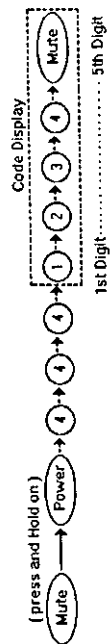
2. Quick search



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)

RM315 Brand list Table

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

Coronado	11233	
Craig	12532,12343	
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 23422,23423,23343,23344
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

General(Fujitsu)	11234	21324,21331,21332,21333 21334,21341,21342,22231 22234,22244,22434
G L'erold		
Ginrai	12424	22323,22432,23122,23134 23141
GMI		
Goldstar	11124,11224,11233,11314 11322,11332,11433,11434 12342,13341	
Hallmark	11433,11434	21323,21344,21411,22224 22311
Hamlin		21342,21444,22223
Hitachi	11122,11123,11233,11312 11314,11331,11414,11424 11431,11433,11434,12321 12331,12342,12423,12432 13332	
IEEC		22443,23114,23121
Infinity	11242,13133	
Jasco	11242,13133	22313
JBL	11124,11233,11322,11344 11424,11431,11433,11434 12141,12143,12224,12241 12341,12411	
JC Penney		
Jean	11121,11433,12413,12423 12424	22331
JEBSEE	11433,11434	
Jensen	11132,11133,11134,11233 11313,11323,11324,11414 11424,12134,12332,13132	22422
JVC		
Kale vision		22243
Kawasho	11111,11433,11434 11433,11434	
Kenwood	11413,11423	
Kloss Novabeam		

KMC	11233,11314	22343,22434,22442
KOKA		
Kolin	11134,12421,12423,13132 11233,11314,12133,12343	
KTV		22432
LEON		
Lloytron	11233	
Loewe	11242,13133	
Lodgenet	11244	
Logik	11244	
Luxman	11433,11434,12342 11121,11213,11242,11322 13133	
LXI		
Macom		21444,22221,22222
Magnavox	11234,11232,11233,11242 11322,11413,11421,11422 11423,11433,11434,12131 12141,12341,13133	21313,21314,21321,21322 22112,22113,22114,22131 22132,23221,23222
Majestic	11244	
Marantz	11242,11413,11423,11433 11434,12132,12341,12412 13133	
Magatron	12413	
Memorex	11244	
MGA/Nirubishi	11124,11131,11313,11314 11321,11322,11342,11343 11433,11434,12224,12323 12341,12412,12431	23342
MICRO FORMULA		23411
Mina		23341
MITC	11124,11433,11434,12324 12341,12342	
Multivision	12124	
NAD	11121	
NEC	11124,11232,11233,11322 11432,11433,11434,12314 12341,12342,12442,13121 13131	

Newave	11213, 12424, 12444	22111, 22243
NSC		21442, 21443, 22324
OAK		
Onking	13223	23244
ORBIT		21344, 21412, 22414, 23214
Panasonic(National)	11113, 11114, 11242, 11313 11432, 12122, 12143, 12313 12344, 12442, 12443, 12444 13111, 13133	
Pansat		23243
Paragon(Zenith)		21424
PBI		23411
Philco	11124, 11233, 11234, 11242 11413, 11421, 11422, 11423 11432, 11433, 11434, 12131 12312, 12341, 13133	21313, 21314, 21321, 21322 22112, 22113, 22114, 22131 22132, 22214, 23221, 23222
Philips		
Pioneer	11241, 11313, 11314, 11433 11434, 12123	21413, 22213, 23213
Polestar	13241	
Portland	11124, 11233, 11314, 11433 11434	
Praxis	13244	23242
Primestar		23231
Prosat		
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

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 13222, 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 12232, 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 Giant		22322, 23112
SMILE		23412, 23413
Soundesign	11234, 11433, 11434	

Sony	11111,11112,11134,12413 12423,13342	
Sowa	11121,11134,11432,12324 12423	
SPACE TV		23413
Sprucer		21412,22414
SSS	11433,12343	
Standard component		22243
Starcom		21332,21341,21342
Stargate		21433
STS		22413
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
Taicom		22331,22434
Tai Wah	13311,13312	
Tashiko	12424	
Taung	11121,11134,11432,12324 12344,12423,12431,13211	
Tay Shoen		22443,23124
Technics	111313	
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	
Teleferent	11233,11244	
Tera	12341,12423,13114	

Teknika	11124,11233,11234,11242 11244,11314,11424,11433 11434,12244,12314,12323 12324,12342,12343,12412	21421
Texscan	21432,21434,21441	
Thomson/ProScan	11241,12411	
TMK	11433,11434,12342	
Tocom		21321,23212,23323,22144
Toshiba	11121,11223,11322,11424 11442,11443,12324,12431 13211,13333	22133,22221,23142
Trans PX		22312,22313,22314,23133 23144
Tri-vision		21322,21324,21334,22143 22231,23321
Tuntex	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	