Remotelink Plus RF modulator
User's Manual RFMOD

（PLEASE READ BEFORE USE）

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1. **Introduction**

1.1 Overview

RF Modulator enrich your A/V entertainment world. Remote control function can control your source equipment easily from other room. Installation is very easy.

1.2 Main Features

1. UHF modulation for PAL G / I standard.
2. With test function selectable.
3. A/V output function
4. Dip switch CH selectable.
5. 0~5dB gain from RF IN port to TO TV port
6. Cost effective for your own local CATV system.

1.3 Note

With this modulator you will be able to distribute the signal from any audiovisual equipment (satellite receivers, VCR etc) to all the TV-sets of the house. this modulator is especially useful for the equipments without internal modulator and in general for distributing any signal TV channel.

If this modulator does cause harmful interference to RF or television reception, which can be determined by turning the modulator off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the modulator and receptions.

• Connect the modulator into an outlet on a circuit different from that to which the receptions are connected.
• Use better quality coaxial cable and avoid sharp bends.
• Consult the dealer or an experienced RF/TV technician for help.
• Change the channel can reduce interferes.

2. **Check package before use**

2.1 RF Modulator: 1 pc

2.2 Power Adaptor: 1 pc

(100~240VAC to 9VDC) ($\ominus\!-\!\!\!\!(\!\!-\!\!-\!\!\oplus$ 9V $\overline{---}$ 600mA)

2.3 IR Emitter: 1 pc

2.4 User's Manual: 1 pc

3. Functions / Operations

| 1 | 3 | 4 | 5 | 2 |

| 6 | 7 | 8 | 9 |
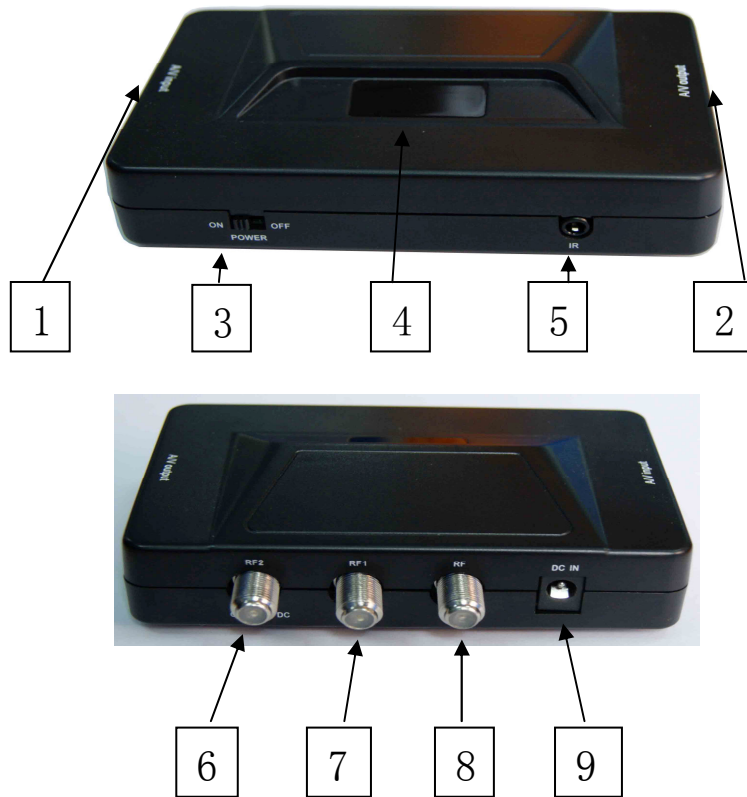
1. AV Input
Function: SCART Socket for audio and video signal input.

2. AV Output
Function: SCART Socket for audio and video signal by-pass output

3. Power SW
Function: Tune on / tune off the power.

4. Power Display window
Function: the red LED indicate power ON or OFF

5. IR Socket
Function: IR Emitter insert to this socket.

6. RF2 output
Function: 1. Modulated signal mix with RF in signal output from this port
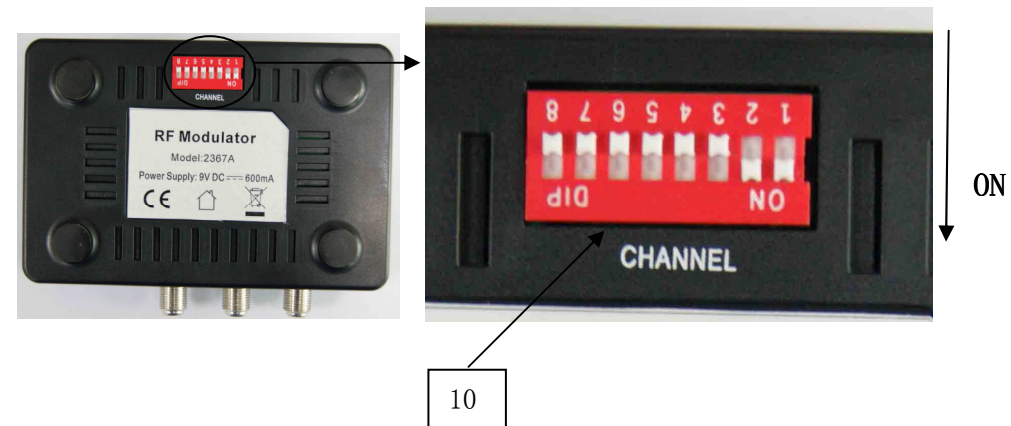2. This port can be provided DC 9V/100mA (max.).

7. RF1 output
Function: Modulated signal mix with RF in signal output from this port

8. RF in port
Function: The CATV signals can through this port input TV, there are 0~5dB bandwidth gain inside.

9. DC input
Function: for 9VDC/600mA input.

| 10 |

10. CHANNEL Select Switch
Function: Bit "1" function select, "ON" mean normal operation, the other position is test mode, normal operation the modulated signal is A/V input signal, test mode the modulated signal is black stripe and white stripe signal generate inside

Bit "2" system select, "ON" mean PAL-I and the other position mean PAL-G system/

Bit "3" to "8" CHANNEL select, attached table show the detail of the channel select.

4. Frequency table

CH. Control PAL/G									
CH.	8PIN switch status / CH. Frequency	ON= "1" ,OFF="0"							
		1	2	3	4	5	6	7	8
21	471.25	×	S	0	0	0	0	0	0
22	479.25	×	S	0	0	0	0	0	1
23	487.25	×	S	0	0	0	0	1	0
24	495.25	×	S	0	0	0	0	1	1
25	503.25	×	S	0	0	0	1	0	0
26	511.25	×	S	0	0	0	1	0	1
27	519.25	×	S	0	0	0	1	1	0
28	527.25	×	S	0	0	0	1	1	1
29	535.25	×	S	0	0	1	0	0	0
30	543.25	×	S	0	0	1	0	0	1
31	551.25	×	S	0	0	1	0	1	0
32	559.25	×	S	0	0	1	0	1	1
33	567.25	×	S	0	0	1	1	0	0
34	575.25	×	S	0	0	1	1	0	1
35	583.25	×	S	0	0	1	1	1	0
36	591.25	×	S	0	0	1	1	1	1
37	599.25	×	S	0	1	0	0	0	0
38	607.25	×	S	0	1	0	0	0	1
39	615.25	×	S	0	1	0	0	1	0
40	623.25	×	S	0	1	0	0	1	1
41	631.25	×	S	0	1	0	1	0	0
42	639.25	×	S	0	1	0	1	0	1
43	647.25	×	S	0	1	0	1	1	0
44	655.25	×	S	0	1	0	1	1	1

CH.	8PIN switch status / CH. Frequency	ON= "1" ,OFF="0"							
		1	2	3	4	5	6	7	8
45	663.25	×	S	0	1	1	0	0	0
46	671.25	×	S	0	1	1	0	0	1
47	679.25	×	S	0	1	1	0	1	0
48	687.25	×	S	0	1	1	0	1	1
49	695.25	×	S	0	1	1	1	0	0
50	703.25	×	S	0	1	1	1	0	1
51	711.25	×	S	0	1	1	1	1	0
52	719.25	×	S	0	1	1	1	1	1
53	727.25	×	S	1	0	0	0	0	0
54	735.25	×	S	1	0	0	0	0	1
55	743.25	×	S	1	0	0	0	1	0
56	751.25	×	S	1	0	0	0	1	1
57	759.25	×	S	1	0	0	1	0	0
58	767.25	×	S	1	0	0	1	0	1
59	775.25	×	S	1	0	0	1	1	0
60	783.25	×	S	1	0	0	1	1	1
61	791.25	×	S	1	0	1	0	0	0
62	799.25	×	S	1	0	1	0	0	1
63	807.25	×	S	1	0	1	0	1	0
64	815.25	×	S	1	0	1	0	1	1
65	823.25	×	S	1	0	1	1	0	0
66	831.25	×	S	1	0	1	1	0	1
67	839.25	×	S	1	0	1	1	1	0
68	847.25	×	S	1	0	1	1	1	1
69	855.25	×	S	1	1	0	0	0	0

NOTE："×" 1=Video in; 0=Test "S" 1=PAL-I 0=PAL-G

5 Specification

Modulator:

Standard	PAL G / I
Frequency Range	UHF 470—860MHz
Output Level	72±4 dBuV
RF in to RF out	0-5dB Gain
Sound system	Mono System
Power Supply	9V/600mA
Video input	1.0Vp-p/75Ω
Audio input	1.0Vp-p/600Ω
DC output (RF2)	9Vdc/100mA (max.)
A/V Connector	SCART PORT
RF Connector	F type
Dimension	116mm*78mm*35mm
Weight	115g

IR Emitter

Connector	3.5mm Socket
Peak wavelength	940nm
IR Emitter View Angle	40 deg.
Cable length	800mm

6 Application Diagram