

OPERATION INFORMATION

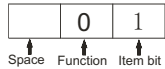
RF DIGITAL VIDEO MODULATOR- UNIVERSAL TYPE

CONCEPT: This unit is programmable for channel/bandwidth, it can generate RF TV signal from your A/V sources, then send this program via programmed channel, so you can view this program on your network/TV directly. Besides, it also can be used for your security system.

How to set-up for performance (please check your TV system/Bandwidth before changing)

Press the CH- and CH+ button at the same time enter the function mode.

1. The display in the function mode



2. Operation

- Press CH- button can select function bit.
- Press CH+ button can select item bit.
- Press SET button can exit function mode

3. Function table

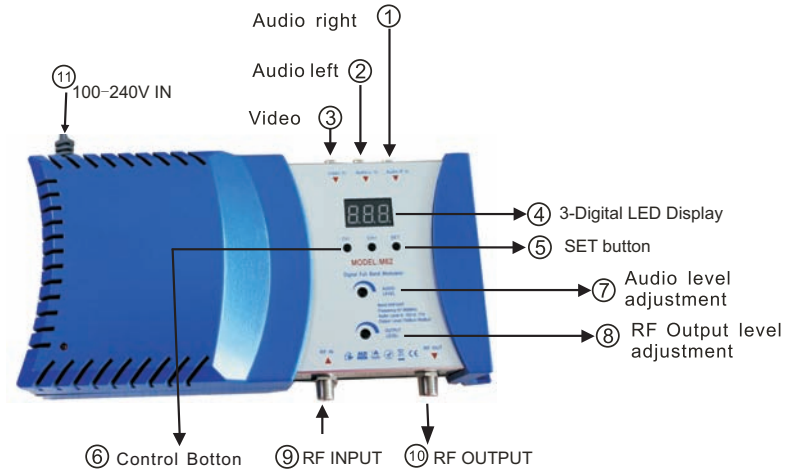
There are three functions in the function bit : 0, 1, 2.

Function bit	Item bit	Note
0	0	4.5MHz
	1 (default)	5.5MHz
	2	6.0MHz
	3	6.5MHz
1	0 (default)	Normal operation
	1	Test signal on
2	0	12dB
	1 (default)	16dB

Remark: Avoiding interference, please be advised the selected channel must be +/- 1-channel out of the existing program

Specification	UHF Band	VHF Band
TV SYSTEM	PAL G (5.5) I (6.0) K (6.5)	PAL B (5.5) D (6.5)
FREQUENCY	470-862MHz	47-300MHz
GAIN	18dB	
INSERTION LOSS	-3.5dB	
IMPEDANCE	75Ω	
RF OUTPUT LEVEL	70dBuV-90dBuV	
INPUT VIDEO LEVEL	1Vp-p±10%	
INPUT AUDIO LEVEL	2.1Vp-p±10%	
AUDIO FREQUENCY RESPONSE	50-15KHz	
POWER CONSUMPTION	2.7W MAX	
POWER SOURCE	230AC/9VDC	

CONNECTORS AND ACCESSORIES



2-WAY RF CONNECTORS

	INPUT	OUTPUT
A)	"F" Fem.	"F" Fem.
B)	9.5 Fem.	9.5 Male

Accessories:

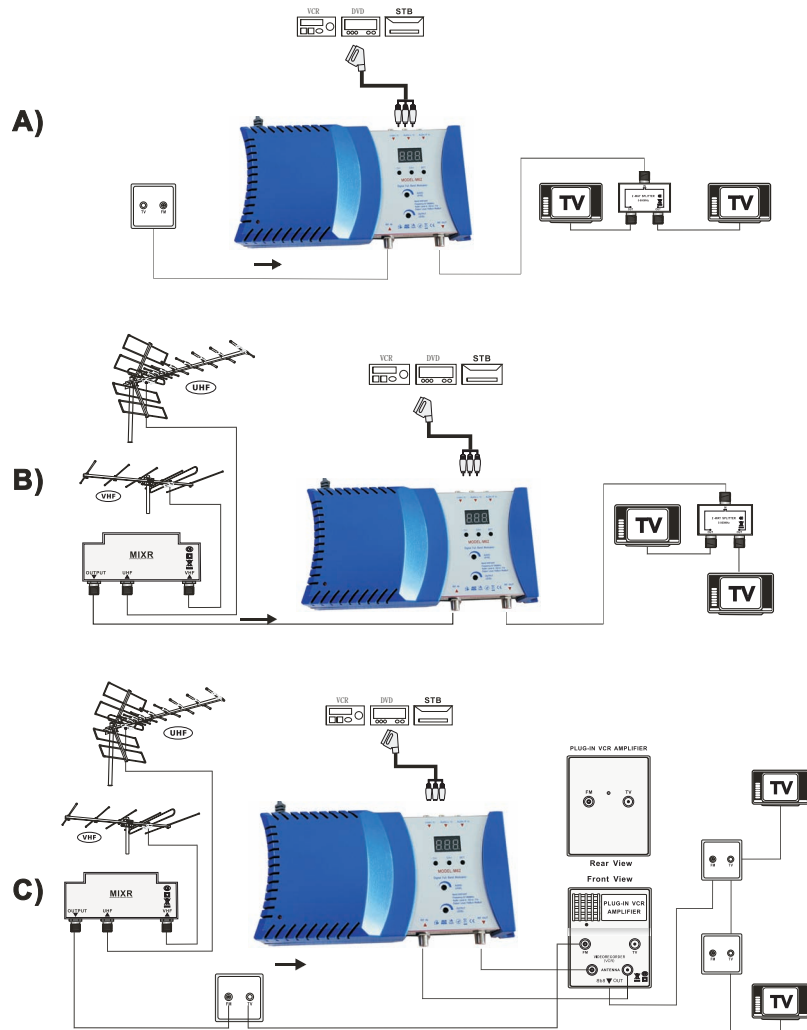
- 1) 1PC video cable: Euro male-3xRCA male
- 2) 1PC of 75Ω terminator ("F" type)

Safety instruction is made to ISO/IEC Guide 37 [17]

- The mains plug shall remain readily operable.
- Ensure a minimum distance of 5cm around the apparatus for sufficient ventilation.
- Ensure that the ventilation is not impeded by covering the ventilation openings with items such as newspapers, table-cloths, curtains, etc.
- Do not place naked flame sources, such as lighted candles on the apparatus.
- Use the apparatus only in moderate climates (not in tropical climates.)
- Do not expose the apparatus to dripping or splashing.
- Do not place objects filled with liquids, such as vases, on the apparatus.

Remark: For further details please refer to EN 60065 (2002) / IEC 60065 (2001) clause 5.4.

APPLICATION ILLUSTRATIONS



Frequency table

Europe system (Eu is winking on the display LED)

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
E02	48.25MHz	S24	327.25MHz	38	607.25MHz
E03	55.25MHz	S25	335.25MHz	39	615.25MHz
E04	62.25MHz	S26	343.25MHz	40	623.25MHz
S03	119.25MHz	S27	351.25MHz	41	631.25MHz
S04	126.25MHz	S28	359.25MHz	42	639.25MHz
S05	133.25MHz	S29	367.25MHz	43	647.25MHz
S06	140.25MHz	S30	375.25MHz	44	655.25MHz
S07	147.25MHz	S31	383.25MHz	45	663.25MHz
S08	154.25MHz	S32	391.25MHz	46	671.25MHz
S09	161.25MHz	S33	399.25MHz	47	679.25MHz
S10	168.25MHz	S34	407.25MHz	48	687.25MHz
E05	175.25MHz	S35	415.25MHz	49	695.25MHz
E06	182.25MHz	S36	423.25MHz	50	703.25MHz
E07	189.25MHz	S37	431.25MHz	51	711.25MHz
E08	196.25MHz	S38	439.25MHz	52	719.25MHz
E09	203.25MHz	21	471.25MHz	53	727.25MHz
E10	210.25MHz	22	479.25MHz	54	735.25MHz
E11	217.25MHz	23	487.25MHz	55	743.25MHz
E12	223.25MHz	24	495.25MHz	56	751.25MHz
S11	231.25MHz	25	503.25MHz	57	759.25MHz
S12	238.25MHz	26	511.25MHz	58	767.25MHz
S13	245.25MHz	27	519.25MHz	59	775.25MHz
S14	252.25MHz	28	527.25MHz	60	783.25MHz
S15	259.25MHz	29	535.25MHz	61	791.25MHz
S16	266.25MHz	30	543.25MHz	62	799.25MHz
S17	273.25MHz	31	551.25MHz	63	807.25MHz
S18	280.25MHz	32	559.25MHz	64	815.25MHz
S19	287.25MHz	33	567.25MHz	65	823.25MHz
S20	294.25MHz	34	575.25MHz	66	831.25MHz
S21	303.25MHz	35	583.25MHz	67	839.25MHz
S22	311.25MHz	36	591.25MHz	68	847.25MHz
S23	319.25MHz	37	599.25MHz	69	855.25MHz

Broadcasting System for European countries

Country	Nominal Voltage	Broadcasting system		
		System	VHF	UHF
Australia	240V	PAL	B	H
Belgium	220V	PAL	B	H
Denmark	220V	PAL	B	G
Finland	220V	PAL	B	G
Germany	220V	PAL	B	G
Iceland	220V	PAL	B	G
Italy	220V	PAL	B	G
Luxembourg	208V	PAL	B	G
Netherlands	220V	PAL	B	G
New Zealand	230V	PAL	B	G
Norway	230V	PAL	B	G
Portugal	220V	PAL	B	G
Romania	220V	PAL	D	K
Spain	220V	PAL	B	G
Sweden	220V	PAL	B	G
Switzerland	220V	PAL	B	G