

OPERATION INFORMATION

AM1 RF DIGITAL VIDEO MODULATOR – UNIVERSAL TYPE

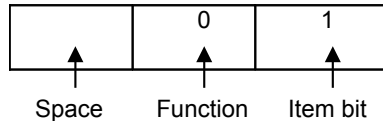
CONCEPT: This unit is programmable for channel/bandwidth, it can generate RF TV signal from your A/V sources, then send this program via programmed channel, so you can view this program on your network/TV directly. Besides, it also can be used for your security system.

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

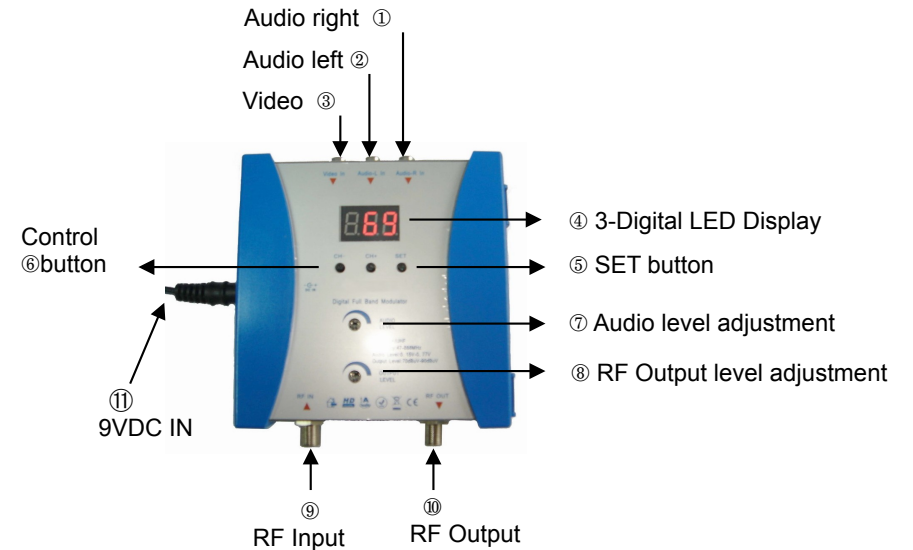
There are three functions in the function bit : 0, 1, 2.

Function bit	Item bit	Note
0 Audio system	0	4.5MHz
	1 (default)	5.5MH
	2	6.0MH
	3	6.5MH
1 Signal generator	0 (default)	Normal operation
	1	Test signal on
2 A/V carrier rate	0	12dB
	1 (default)	16dB

Note: 1. Press 00 (4.5MHz), enter the NTSC mode.

The LED will display 4.5, and flash for twice.

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



- Accessories:**
- 1) 1 pc Video Cable: Euro male -- 3×RCA male
 - 2) 1 pc Video Cable: 3 RCA--3×RCA
 - 3) 1 pc 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.

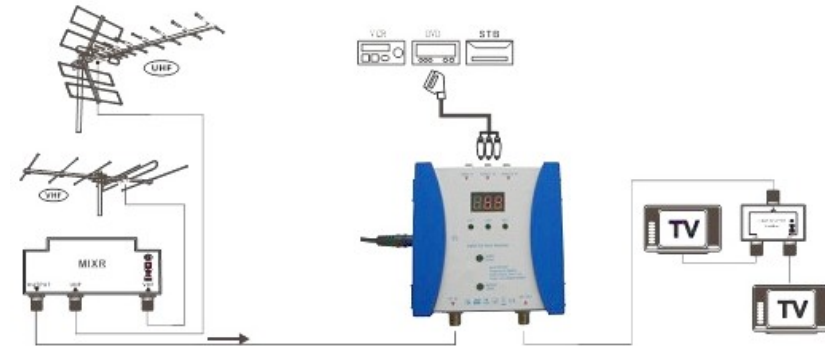
Remark: For further details please refers to EN 60065(2002)/IEC 60065(2001) clause 5.4.

APPLICATION ILLUSTRATIONS

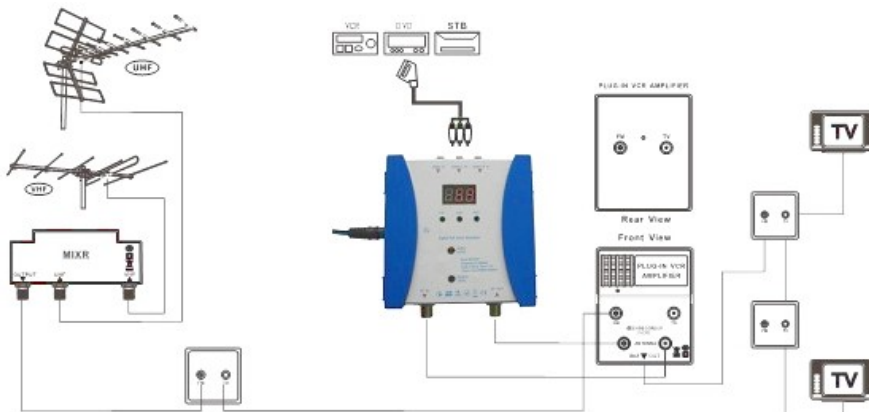
A)



B)



C)



TROUBLE SHOOTING AND PRODUCT MAINTENANCE

If you have some difficulties, please consult the following table.

It will guide you through the most common problems and give you solutions.

No picture	<ul style="list-style-type: none"> ● Check power supply ● Adjust channel control switch ● Check video line
Picture distort	<ul style="list-style-type: none"> ● Adjust video control switch ● Adjust transmit antenna to fit the right location
Poor sound effects	<ul style="list-style-type: none"> ● Adjust audio control switch ● Check audio line
Picture blur	<ul style="list-style-type: none"> ● TV station interference

Frequency Table (Unit: MHz) USA system

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
002	54-60	55.25	58.83	59.75
003	60-66	61.25	64.83	65.75
004	66-72	67.25	70.83	71.75
005	76-82	77.25	80.83	81.75
006	82-88	83.25	86.83	87.75
095	90-96	91.25	94.83	95.75
096	96-102	97.25	100.83	101.75
097	102-108	103.25	106.83	107.75
098	108-114	109.25	112.83	113.75
099	114-120	115.25	118.83	119.75
014	120-126	121.25	124.83	125.75
015	126-132	127.25	130.83	131.75
016	132-138	133.25	136.83	137.75
017	138-144	139.25	142.83	143.75
018	144-150	145.25	148.83	149.75
019	150-156	151.25	154.83	155.75
020	156-162	157.25	160.83	161.75
021	162-168	163.25	166.83	167.75

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
022	168-174	169.25	172.83	173.75
007	174-180	175.25	178.83	179.75
008	180-186	181.25	184.83	185.75
009	186-192	187.25	190.83	191.75
010	192-198	193.25	196.83	197.75
011	198-204	199.25	202.83	203.75
012	204-210	205.25	208.83	209.75
013	210-216	211.25	214.83	215.75
023	216-222	217.25	220.83	221.75
024	222-228	223.25	226.83	227.75
025	228-234	229.25	232.83	233.75
026	234-240	235.25	238.83	239.75
027	240-246	241.25	244.83	245.75
028	246-252	247.25	250.83	251.75
029	252-258	253.25	256.83	257.75
030	258-264	259.25	262.83	263.75
031	264-270	265.25	268.83	269.75
032	270-276	271.25	274.83	275.75
033	276-282	277.25	280.83	281.75
034	282-288	283.25	286.83	287.75
035	288-294	289.25	292.83	293.75
036	294-300	295.25	298.83	299.75
037	300-306	301.25	304.83	305.75
038	306-312	307.25	310.83	311.75
039	312-318	313.25	316.83	317.75
040	318-324	319.25	322.83	323.75
041	324-330	325.25	328.83	329.75
042	330-336	331.25	334.83	335.75
043	336-342	337.25	340.83	341.75
044	342-348	343.25	346.83	347.75
045	348-354	349.25	352.83	353.75
046	354-360	355.25	358.83	359.75
047	360-366	361.25	364.83	365.75
048	366-372	367.25	370.83	371.75
049	372-378	373.25	376.83	377.75
050	378-384	379.25	382.83	383.75
051	384-390	385.25	388.83	389.75

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
052	390-396	391.25	394.83	395.75
053	396-402	397.25	400.83	401.75
054	402-408	403.25	406.83	407.75
055	408-414	409.25	412.83	413.75
056	414-420	415.25	418.83	419.75
057	420-426	421.25	424.83	425.75
058	426-432	427.25	430.83	431.75
059	432-438	433.25	436.83	437.75
060	438-444	439.25	442.83	443.75
061	444-450	445.25	448.83	449.75
062	450-456	451.25	454.83	455.75
063	456-462	457.25	460.83	461.75
064	462-468	463.25	466.83	467.75
065	468-474	469.25	472.83	473.75
066	474-480	475.25	478.83	479.75
067	480-486	481.25	484.83	485.75
068	486-492	487.25	490.83	491.75
069	492-498	493.25	496.83	497.75
070	498-504	499.25	502.83	503.75
071	504-510	505.25	508.83	509.75
072	510-516	511.25	514.83	515.75
073	516-522	517.25	520.83	521.75
074	522-528	523.25	526.83	527.75
075	528-534	529.25	532.83	533.75
076	534-540	535.25	538.83	539.75
077	540-546	541.25	544.83	545.75
078	546-552	547.25	550.83	551.75
079	552-558	553.25	556.83	557.75
080	558-564	559.25	562.83	563.75
081	564-570	565.25	568.83	569.75
082	570-576	571.25	574.83	575.75
083	576-582	577.25	580.83	581.75
084	582-588	583.25	586.83	587.75
085	588-594	589.25	592.83	593.75
086	594-600	595.25	598.83	599.75
087	600-606	601.25	604.83	605.75
088	606-612	607.25	610.83	611.75

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
089	612-618	613.25	616.83	617.75
090	618-624	619.25	622.83	623.75
091	624-630	625.25	628.83	629.75
092	630-636	631.25	634.83	635.75
093	636-642	637.25	640.83	641.75
094	642-648	643.25	646.83	647.75
100	648-654	649.25	652.83	653.75
101	654-660	655.25	658.83	659.75
102	660-666	661.25	664.83	665.75
103	666-672	667.25	670.83	671.75
104	672-678	673.25	676.83	677.75
105	678-684	679.25	682.83	683.75
106	684-690	685.25	688.83	689.75
107	690-696	691.25	694.83	695.75
108	696-702	697.25	700.83	701.75
109	702-708	703.25	706.83	707.75
110	708-714	709.25	712.83	713.75
111	714-720	715.25	718.83	719.75
112	720-726	721.25	724.83	725.75
113	726-732	727.25	730.83	731.75
114	732-738	733.25	736.83	737.75
115	738-744	739.25	742.83	743.75
116	744-750	745.25	748.83	749.75
117	750-756	751.25	754.83	755.75
118	756-762	757.25	760.83	761.75
119	762-768	763.25	766.83	767.75
120	768-774	769.25	772.83	773.75
121	774-780	775.25	778.83	779.75
122	780-786	781.25	784.83	785.75
123	786-792	787.25	790.83	791.75
124	792-798	793.25	796.83	797.75
125	798-804	799.25	802.83	803.75
126	804-810	805.25	808.83	809.75
127	810-816	811.25	814.83	815.75
128	816-822	817.25	820.83	821.75
129	822-828	823.25	826.83	827.75
130	828-834	829.25	832.83	833.75

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
131	834-840	835.25	838.83	839.75
132	840-846	841.25	844.83	845.75
133	846-852	847.25	850.83	851.75
134	852-858	853.25	856.83	857.75
135	858-864	859.25	862.83	863.75
136	864-870	865.25	868.83	869.75

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