



TUNER

PICTURE IN PICTURE

USER MANUAL

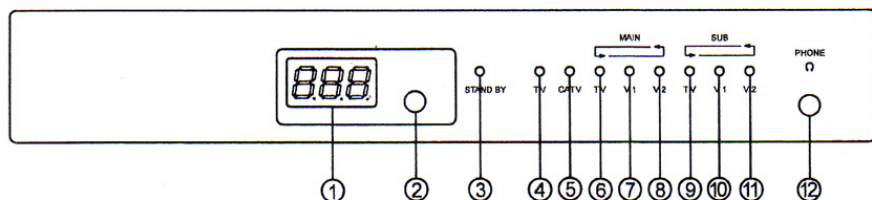
www.meicheng.com.tw

Features

1. Full range tuning covers 181 TV and CATV channels.
2. Real time high resolution picture in picture display for TV and two video inputs.
3. 4 PIP size selectable.
4. PIP may be placed in 9 different positions of the screen.
5. Still for PIP.
6. Stereo sound on main channel (TV mono) and PIP channel .
7. Ear phone audio out for PIP channel.
8. Main and PIP channel can be swapped by simply pressing a button.

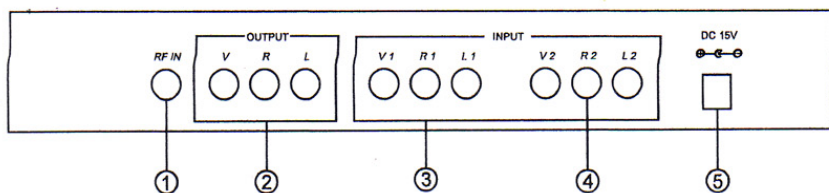
Operation Controls And Functions

Front Panel



1. Channel or volume display.
2. Remote control receiver.
3. Stand by indicator: Illuminates when in stand by mode in which the device is powered by AC but power button is turned off.
4. TV Indicator: Illuminates when tuner is set to TV mode.
5. CATV Indicator: Illuminates when tuner is set to CATV mode.
6. MAIN/TV: Illuminates when TV (CATV) input is selected as main channel.
7. MAIN/V 1: Illuminates when V 1 input is selected as main channel.
8. MAIN/V 2: Illuminates when V2 input is selected as main channel.
9. SUB/TV: Illuminates when TV (CATV) input is selected as sub-channel.
10. SUB/V 1: Illuminates when V1 input is selected as sub-channel.
11. SUB/V 2: Illuminates when V2 input is selected as sub-channel.
12. Ear phone jack: Audio out for sub-channel.

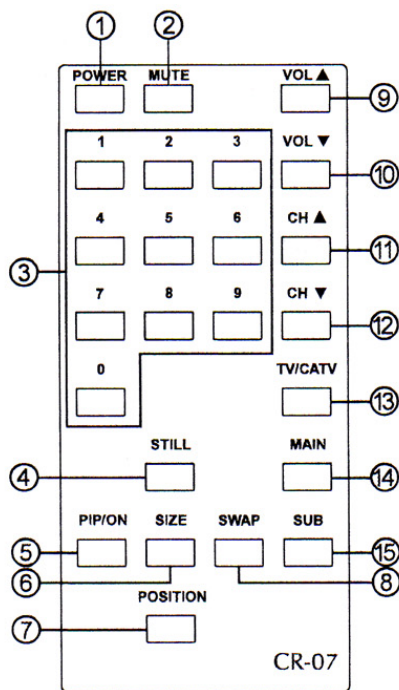
Rear Panel



1. RF input : Input connector for CATV cable or TV antenna.
2. A/V output: Output connectors for Video/Audio out.
3. A/V inputs: Input connectors for Video/Audio 1 source.
4. A/V inputs: Input connectors for Video/ Audio 2 source.
5. DC 15V input: DC power supply (15 volts input)

Remote Controls and Functions

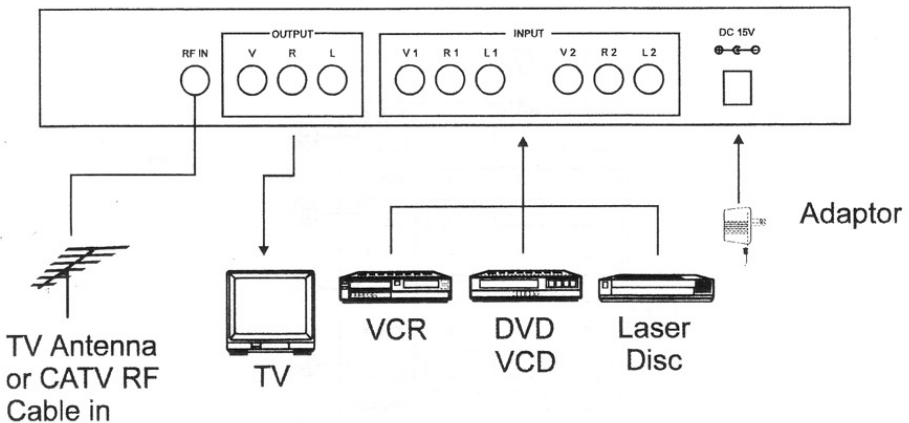
1. Power : Power ON/OFF key.
2. Mute: Audio mute ON/OFF (for main picture).
3. 0~9: Numerical key for directly selecting TV/CATV channel.
4. Still : PIP channel still ON/OFF key.
5. PIP/ON: PIP ON/OFF key.
6. Size: PIP size select key.
7. Position: PIP position select key.
8. Swap exchanges: Main and PIP channel.
9. Vol Δ : Main channel volume up.
10. Vol ∇ : Main channel volume down.
11. CH Δ : Channel up selection.
12. CH ∇ : Channel down selection.
13. TV/CATV: TV/CATV select key.
14. Main: Main channel input selection. $\rightarrow \text{TV} \rightarrow \text{V1} \rightarrow \text{V2} \rightarrow$
15. SUB: SUB channel input selection. $\rightarrow \text{TV} \rightarrow \text{V1} \rightarrow \text{V2} \rightarrow$



Specifications

DC Power	15V/600 mA
RF input	NTSC 75 Ω Coaxial cable 50m Vp-p
Video Output	2 Vp-p, 75 Ω
Audio Output	300m Vp-p
Weight	500g
Dimensions	290 (W) X 180.5 (D) X 48.8 (H) mm
Accessories	Adaptor, Remote control, 2pcs "R6" size batteries

Connection And Installation



TV Frequency Table (U.S.)

Air Channel					
Channel	CC#	Pix Carrier (MHz)	Channel	CC#	Pix Carrier (MHz)
2	02	55.25	36	36	603.25
3	03	61.25	37	37	609.25
4	04	67.25	38	38	615.25
5	05	77.25	39	39	621.25
6	06	83.25	40	40	627.25
7	07	175.25	41	41	633.25
8	08	181.25	42	42	639.25
9	09	187.25	43	43	645.25
10	10	193.25	44	44	651.25
11	11	199.25	45	45	657.25
12	12	205.25	46	46	663.25
13	13	211.25	47	47	669.25
14	14	471.25	48	48	675.25
15	15	477.25	49	49	681.25
16	16	483.25	50	50	687.25
17	17	489.25	51	51	693.25
18	18	495.25	52	52	699.25
19	19	501.25	53	53	705.25
20	20	507.25	54	54	711.25
21	21	513.25	55	55	717.25
22	22	519.25	56	56	723.25
23	23	525.25	57	57	729.25
24	24	531.25	58	58	735.25
25	25	537.25	59	59	741.25
26	26	543.25	60	60	747.25
27	27	549.25	61	61	753.25
28	28	555.25	62	62	759.25
29	29	561.25	63	63	765.25
30	30	567.25	64	64	771.25
31	31	573.25	65	65	777.25
32	32	579.25	66	66	783.25
33	33	585.25	67	67	789.25
34	34	591.25	68	68	795.25
35	35	597.25	69	69	801.25

CATV Frequency Table (U.S.)

Cable Channel					
Channel	CC#	Pix Carrier (MHz)	Channel	CC#	Pix Carrier (MHz)
4A	01	73.25	T	33	277.25
2	02	55.25	U	34	283.25
3	03	61.25	V	35	289.25
4	04	67.25	W	36	295.25
5	05	77.25	W+1	37	301.25
6	06	83.25	W+2	38	307.25
7	07	175.25	W+3	39	313.25
8	08	181.25	W+4	40	319.25
9	09	187.25	W+5	41	325.25
10	10	193.25	W+6	42	331.25
11	11	199.25	W+7	43	337.25
12	12	205.25	W+8	44	343.25
13	13	211.25	W+9	45	349.25
A	14	121.25	W+10	46	355.25
B	15	127.25	W+11	47	361.25
C	16	133.25	W+12	48	367.25
D	17	139.25	W+13	49	373.25
E	18	145.25	W+14	50	379.25
F	19	151.25	W+15	51	385.25
G	20	157.25	W+16	52	391.25
H	21	163.25	W+17	53	397.25
I	22	169.25	W+18	54	403.25
J	23	217.25	W+19	55	409.25
K	24	223.25	W+20	56	415.25
L	25	229.25	W+21	57	421.25
M	26	235.25	W+22	58	427.25
N	27	241.25	W+23	59	433.25
O	28	247.25	W+24	60	439.25
P	29	253.25	W+25	61	445.25
Q	30	259.25	W+26	62	451.25
R	31	265.25	W+27	63	457.25
S	32	271.25	W+28	64	463.25

CATV Frequency Table (U.S.)

Cable Channel					
Channel	CC#	Pix Carrier (MHz)	Channel	CC#	Pix Carrier (MHz)
65	65	469.25	A-4	96	97.25
66	66	475.25	A-3	97	103.25
67	67	481.25	A-2	98	109.25
68	68	487.25	A-1	99	115.25
69	69	493.25	100	100	649.25
70	70	499.25	101	101	655.25
71	71	505.25	102	102	661.25
72	72	511.25	103	103	667.25
73	73	517.25	104	104	673.25
74	74	523.25	105	105	679.25
75	75	529.25	106	106	685.25
76	76	535.25	107	107	691.25
77	77	541.25	108	108	697.25
78	78	547.25	109	109	703.25
79	79	553.25	110	110	709.25
80	80	559.25	111	111	715.25
81	81	565.25	112	112	721.25
82	82	571.25	113	113	727.25
83	83	577.25	114	114	733.25
84	84	583.25	115	115	739.25
85	85	589.25	116	116	745.25
86	86	595.25	117	117	751.25
87	87	601.25	118	118	757.25
88	88	607.25	119	119	763.25
89	89	613.25	120	120	769.25
90	90	619.25	121	121	775.25
91	91	625.25	122	122	781.25
92	92	631.25	123	123	787.25
93	93	637.25	124	124	793.25
94	94	643.25	125	125	799.25
A-5	95	91.25			

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