



LCM-550X12

PAL B/G ADDENDUM

INSTRUCTION MANUAL

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**LCM-550X12
PALB/G**

SPECIFICATIONS

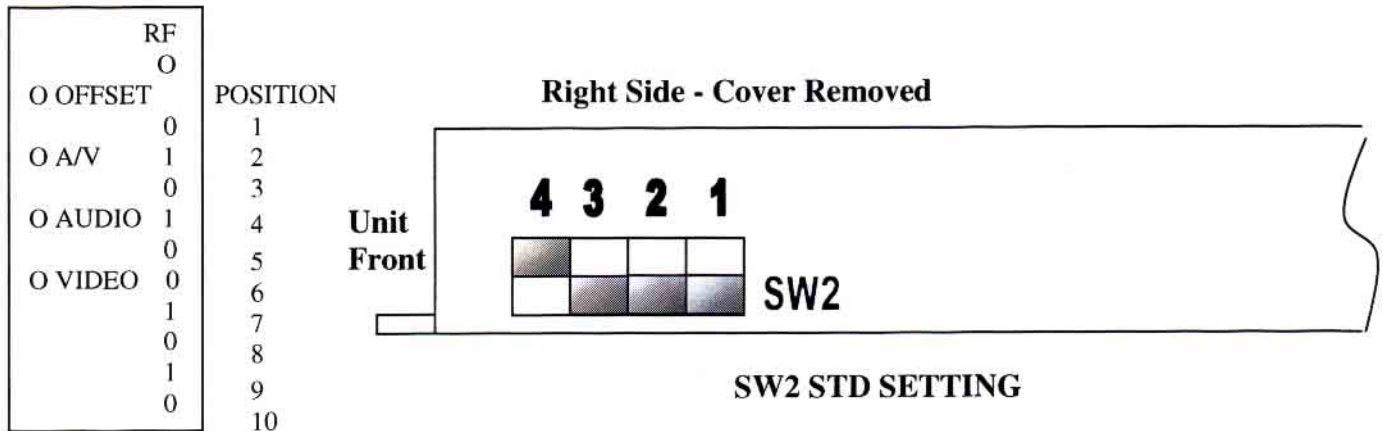
Output Frequency Range	48.25MHz to 551.25MHz. Selectable by front panel DIP switch in 2MHz increments (250KHz internal adjustment)
Frequency Offset	+12.5KHz tunable by front panel adjustment
Output Power Level	+40dBmV minimum per channel, +45dBmV typical
Frequency Accuracy / Stability	<±5KHz of selected channel frequency (+10°C to +40°C)
Video Performance	1V P-P input nominal for 80% modulation. Differential gain <5% Differential Phase <5°
Spurious Outputs	>55dB below output visual carrier level, 60dB typical
Out-of-Band C/N	>76dB as measured in a 4.0MHz noise bandwidth
In-Band C/N	>60dB as measured in a 4.0MHz noise bandwidth
Audio / Video Ratio	Adjustable from 13dB to 20dB below video carrier
Audio Performance	500mV P-P for 50KHz deviation, front panel adjustable. 10K input Z
Audio Intercarrier Stability	5.5MHz within ±1KHz
Front Panel Controls	RF output adjust A/V ratio adjust Video & Audio modulation Frequency offset adjust Channel select DIP switches
Power Requirements	85-264VAC, 47-63Hz, 72 watts
Chassis Size	3.5”H x 19”W x 11”D (Rack mount chassis)

CHANNEL SELECTION

Channels are selected with 10 front panel DIP Switches and 3 internal DIP switches.

0=Switch in RIGHT Position

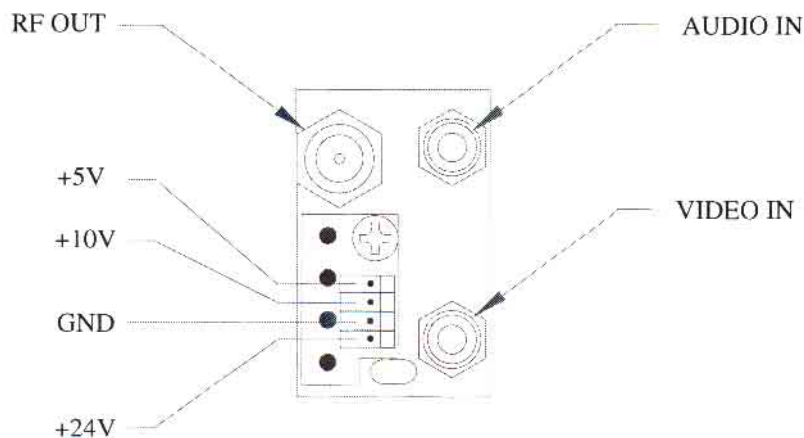
1=Switch in LEFT Position



Settings shown above are for channel 2, 48.25MHz.

REAR PANEL

The rear panel of each module has Audio and Video inputs, RF output and Power In. The Audio and Video inputs are RCA type phono jacks and the RF output is type "F".



LCM-550 B/G Dip Switch Settings

7 MHz Channel Spacing

CH	FREQ.	SW SETTINGS	SW2 4321
2 E2	48.250	01010 01010	100X
*3 E3	55.250	01010 01110	000X
4 E4	62.250	01010 10001	100X
*5 X	69.250	01010 10101	000X
6 Y	76.250	01010 11000	100X
*7 Z	83.250	01010 11100	000X
8 Z+1	90.250	01010 11111	100X
*9 Z+2	97.250	01011 00011	000X
*10 S1	105.250	01011 00111	000X
11 S2	112.250	01011 01010	100X
*12 S3	119.250	01011 01110	000X
13 S4	126.250	01011 10001	100X
*14 S5	133.250	01011 10101	000X
15 S6	140.250	01011 11000	100X
*16 S7	147.250	01011 11100	000X
17 S8	154.250	01011 11111	100X
*18 S9	161.250	01100 00011	000X
19 S10	168.250	01100 00110	100X
*20 E5	175.250	01100 01010	000X
21 E6	182.250	01100 01101	100X
*22 E7	189.250	01100 10001	000X
23 E8	196.250	01100 10100	100X
*24 E9	203.250	01100 11000	000X
25 E10	210.250	01100 11011	100X
*26 E11	217.250	01100 11111	000X
27 E12	224.250	01101 00010	100X
*28 S11	231.250	01101 00110	000X
29 S12	238.250	01101 01001	100X
*30 S13	245.250	01101 01101	000X
31 S14	252.250	01101 10000	100X
*32 S15	259.250	01101 10100	000X
33 S16	266.250	01101 10111	100X
*34 S17	273.250	01101 11011	000X
35 S18	280.250	01101 11110	100X
*36 S19	287.250	01110 00010	000X
37 S20	294.250	01110 00101	100X

8 MHz Channel Spacing

CH	FREQ.	SW SETTINGS	SW2 4321
38	303.250	01110 01001	110X
39	311.250	01110 01101	110X
40	319.250	01110 10001	110X
41	327.250	01110 10101	110X
42	335.250	01110 11001	110X
43	343.250	01110 11101	110X
44	351.250	01111 00001	110X
45	359.250	01111 00101	110X
46	367.250	01111 01001	110X
47	375.250	01111 01101	110X
48	383.250	01111 10001	110X
49	391.250	01111 10101	110X
50	399.250	01111 11001	110X
51	407.250	01111 11101	110X
52	415.250	10000 00001	110X
53	423.250	10000 00101	110X
54	431.250	10000 01001	110X
55	439.250	10000 01101	110X
56	447.250	10000 10001	110X
57	455.250	10000 10101	110X
58	463.250	10000 11001	110X
59	471.250	10000 11101	110X
60	479.250	10001 00001	110X
61	487.250	10001 00101	110X
62	495.250	10001 01001	110X
63	503.250	10001 01101	110X
64	511.250	10001 10001	110X
65	519.250	10001 10101	110X
66	527.250	10001 11001	110X
67	535.250	10001 11101	110X
68	543.250	10010 00001	110X
69	551.250	10010 00101	110X

NOTE: Remove RIGHT Cover to gain access to SW2

SW2

0= Switch in RIGHT Position (ON)
 1= Switch in LEFT Position (OFF)
 X= Don't Care

