

CABLETECH

CAM-3805

AGILE MODULATOR

OPERATION MANUAL

RF

Frequency Range	: 54 to 860 MHz;
Output Level	: 103 dBuV Typical (minimum - 15dB adjustment range.)
Output Impedance	: 75 Ohms
A / V Ratio	: Audio carrier level, adjustable from - 8 to -30 dB (± 3 dB) Referenced to video carrier level.
Frequency Stability	: ± 5 KHz
Intercarrier	: 6.0MHz ± 5 KHz
Spurious Outputs	: -60 dBc typical, measured at -15 dB A/V ratio and with Modulator output level of + 100 dBuV.
RF in insertion loss	Max: 5 dB

VIDEO

Input Level	: 1.0V-p-p (Load) for 87.5% modulation.
Input Impedance	: 75Ohms
Frequency Response	: 20 Hz to 5 MHz. ± 2 dB

AUDIO

Input Level	: 140 mV RMS for ± 25 KHz Peak Deviation.
Input Impedance	: Hi-Z, unbalanced.
Pre-emphasis	: 50 μ Sec.

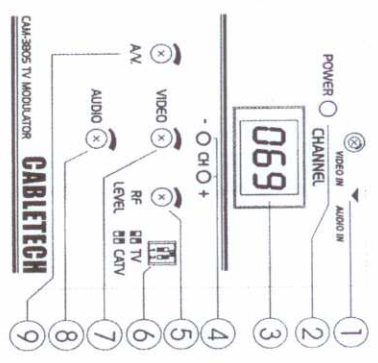
CONNECTOR

Video/Audio	RCA Type, female
RF in/out	F Type, female

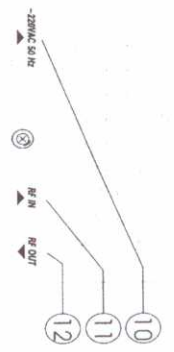
GENERAL

Power Requirement	: 220 V/AC 50 Hz Power consumption 14 W.
Operating Temperature	: 0 $^{\circ}$ C to + 50 $^{\circ}$ C ambient.
Size/Weight	: 375 mm(L) x 52.5 mm (H) x 130 mm(W)/1.3Kg

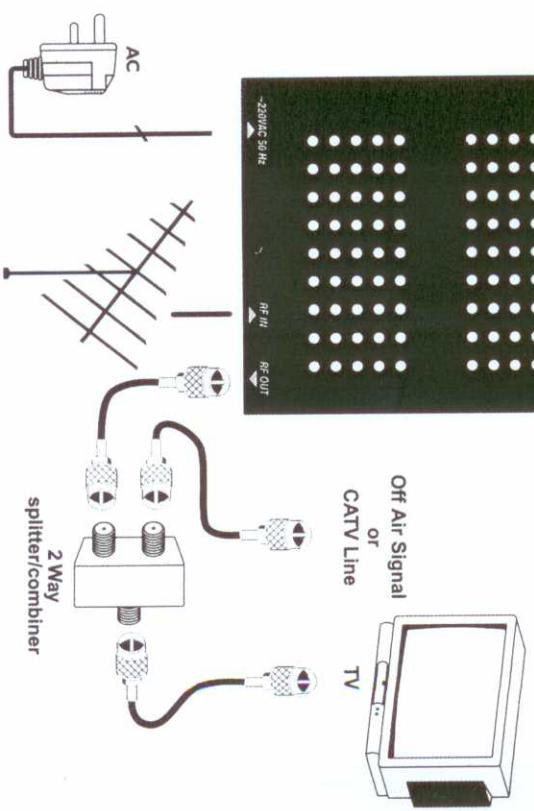
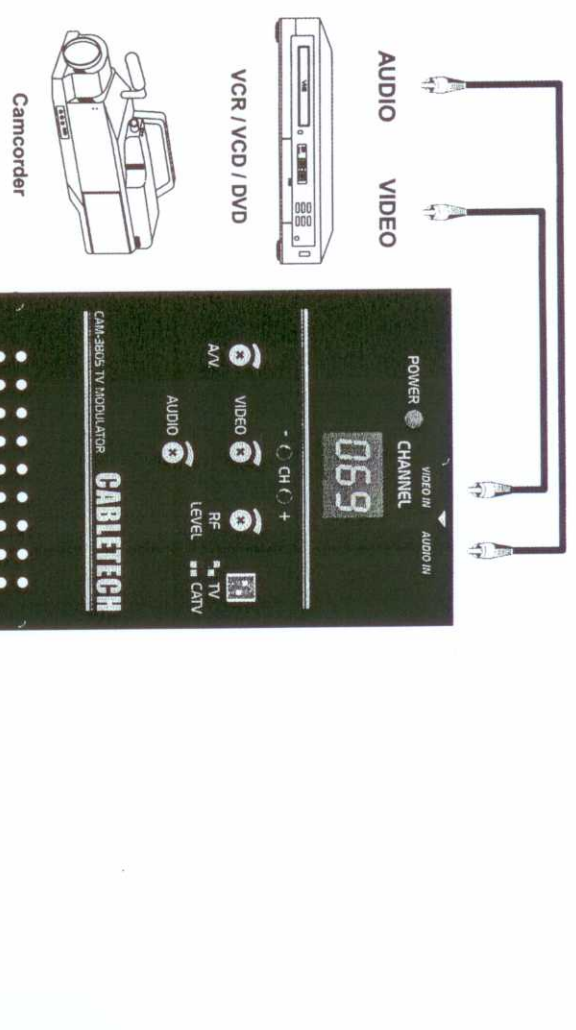
FRONT PANEL



- (1) VIDEO/AUDIO : Video/Audio signal input, for connection to satellite receiver, demodulator or VCR.
- (2) POWER INDICATOR : Power on LED indicator
- (3) CHANNEL DISPLAY : Channel number display
- (4) CHANNEL UP/DOWN : Select channel up/down
- (5) RF OUTPUT LEVEL : Adjust RF output level
- (6) BAND SWITCH : Switching to TV band or CATV band
- (7) VIDEO LEVEL ADJ. : Adjust Video deviation level
- (8) AUDIO LEVEL ADJ. : Adjust Audio deviation level
- (9) AURAL CARRIER : Adjust Aural carrier level
- (10) POWER IN : 220 VAC/50Hz
- (11) RF IN : Connect to other RF signal
- (12) RF OUT : RF signal output connect to combiner or TV set



CONNECTION DIAGRAM



PAL-I SYSTEM TV FREQUENCY ASSIGN CHART

EIA CH	CH	FREQ	EIA CH	CH	FREQ
01	E21	471.25	36	E56	751.25
02	E22	479.25	37	E57	759.25
03	E23	487.25	38	E58	767.25
04	E24	495.25	39	E59	775.25
05	E25	503.25	40	E60	783.25
06	E26	511.25	41	E61	791.25
07	E27	519.25	42	E62	799.25
08	E28	527.25	43	E63	807.25
09	E29	535.25	44	E64	815.25
10	E30	543.25	45	E65	823.25
11	E31	551.25	46	E66	831.25
12	E32	559.25	47	E67	839.25
13	E33	567.25	48	E68	847.25
14	E34	575.25	49	E69	855.25
15	E35	583.25			
16	E36	591.25			
17	E37	599.25			
18	E38	607.25			
19	E39	615.25			
20	E40	623.25			
21	E41	631.25			
22	E42	639.25			
23	E43	647.25			
24	E44	655.25			
25	E45	663.25			
26	E46	671.25			
27	E47	679.25			
28	E48	687.25			
29	E49	695.25			
30	E50	703.25			
31	E51	711.25			
32	E52	719.25			
33	E53	727.25			
34	E54	735.25			
35	E55	743.25			

PAL-I SYSTEM CATV FREQUENCY ASSIGN CHART

EIA CH	CH	FREQ	EIA CH	CH	FREQ
01	C1	55.25	36	C39	359.25
02	C2	63.25	37	C40	367.25
03	C3	71.25	38	C41	375.25
04	C4	79.25	39	C42	383.25
05	C8	111.25	40	C43	391.25
06	C9	119.25	41	C44	399.25
07	C10	127.25	42	C45	407.25
08	C11	135.25	43	C46	415.25
09	C12	143.25	44	C47	423.25
10	C13	151.25	45	C48	431.25
11	C14	159.25	46	C49	439.25
12	C15	167.25	47	C50	447.25
13	C16	175.25	48	C51	455.25
14	C17	183.25	49	C52	463.25
15	C18	191.25			
16	C19	199.25			
17	C20	207.25			
18	C21	215.25			
19	C22	223.25			
20	C23	231.25			
21	C24	239.25			
22	C25	247.25			
23	C26	255.25			
24	C27	263.25			
25	C28	271.25			
26	C29	279.25			
27	C30	287.25			
28	C31	295.25			
29	C32	303.25			
30	C33	311.25			
31	C34	319.25			
32	C35	327.25			
33	C36	335.25			
34	C37	343.25			
35	C38	351.25			