

VLB-1



VIDEO LINE BLANKER

INSTRUCTION BOOK

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VIDEO LINE BLANKER

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1.0.0 SHIPPING INSPECTION

Remove from shipping container and inspect for any shipping damage to the VLB-1. Included will be a 24VAC external power module and this instruction book.

2.0.0 HOW AND WHERE TO MOUNT THE VIDEO LINE BLANKER

Select a position near the modulator or other equipment that needs video line blanking. The placement is not critical because after setting there are no routine adjustments necessary.

3.0.0 HOW TO CABLE THE VIDEO LINE BLANKER

Connect a BNC cable from your source video to the "VIDEO INPUT" of the Video Line Blanker. The "VIDEO INPUT" is internally terminated by a precision 75 Ohm termination to match standard video cable.

Next connect a BNC cable from the "VIDEO OUTPUT" connector on the Video Line Blanker to the equipment you wish to have blanked video supplied to. The "VIDEO OUTPUT" of the Video line blanker has a 75 Ohm impedance to match standard video cable. Be sure the equipment being driven is properly terminated with a precision 75 Ohm termination to insure correct video level.

4.0.0 POWER SUPPLY INSTALLATION

Wire the AC power module onto the green 24VAC power supply input connector, and then find a suitable 120 VAC power outlet and plug in the wall transformer. At this time the green LED located at the front of the unit should be on if there is video supplied to the unit. The LED will only be on if video is supplied at the video input connector.

5.0.0 SET-UP OF THE VIDEO LINE BLANKER

The Video Line Blanker is agile in its ability to select and blank a specific video line. First determine which video line you want to blank, then refer to the LINE SELECTION TABLE and select the DIP switch settings to blank that line. Switch numbers 1-8 are for line selection. Both Even and Odd fields of the same line will be blanked together.

6.0.0 VIDEO LINE SELECTION TABLE

To set the DIP Switches for line selection first remove the four screws in the outer most corners of the units lid. This will allow you to remove the lid. You do not have to remove power or disconnect any cables to select the line number to operate on. After removing the screws from the lid, lift the lid up and turn it over exposing the circuit board. On the circuit board you will see the 8 position DIP Switch, this is the line selection switch.

6.0.1 VIDEO LINE SELECTION TABLE (con't)

Select the video line you wish to have blanked out and set the DIP switches to correspond to that line. An " X " on the table means set the Rocker switch number OFF. Both Even and Odd fields of the selected line will be blanked out.

VIDEO LINE SELECTION TABLE

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
8	X							
9		X						
10	X	X						
11			X					
12	X		X					
13		X	X					
14	X	X	X					
15				X				
16	X			X				
17		X		X				
18	X	X		X				
19			X	X				
20	X		X	X				
21		X	X	X				
22	X	X	X	X				
23					X			
24	X				X			
25		X			X			
26	X	X			X			
27			X		X			
28	X		X		X			
29		X	X		X			
30	X	X	X		X			
31				X	X			
32	X			X	X			
33		X		X	X			
34	X	X		X	X			
35			X	X	X			
36	X		X	X	X			
37		X	X	X	X			
38	X	X	X	X	X			
39						X		
40	X					X		
41		X				X		
42	X	X				X		
43			X			X		
44	X		X			X		
45		X	X			X		

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
46	X	X	X			X		
47				X		X		
48	X			X		X		
49		X		X		X		
50	X	X		X		X		
51			X	X		X		
52	X		X	X		X		
53		X	X	X		X		
54	X	X	X	X		X		
55					X	X		
56	X				X	X		
57		X			X	X		
58	X	X			X	X		
59			X		X	X		
60	X		X		X	X		
61		X	X		X	X		
62	X	X	X		X	X		
63				X	X	X		
64	X			X	X	X		
65		X		X	X	X		
66	X	X		X	X	X		
67			X	X	X	X		
68	X		X	X	X	X		
69		X	X	X	X	X		
70	X	X	X	X	X	X		
71							X	
72	X						X	
73		X					X	
74	X	X					X	
75			X				X	
76	X		X				X	
77		X	X				X	
78	X	X	X				X	
79				X			X	
80	X			X			X	
81		X		X			X	
82	X	X		X			X	
83			X	X			X	

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH

VIDEO LINE SELECTION TABLE (cont.)

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
84	X		X	X			X	
85		X	X	X			X	
86	X	X	X	X			X	
87					X		X	
88	X				X		X	
89		X			X		X	
90	X	X			X		X	
91			X		X		X	
92	X		X		X		X	
93		X	X		X		X	
94	X	X	X		X		X	
95				X	X		X	
96	X			X	X		X	
97		X		X	X		X	
98	X	X		X	X		X	
99			X	X	X		X	
100	X		X	X	X		X	
101		X	X	X	X		X	
102	X	X	X	X	X		X	
103						X	X	
104	X					X	X	
105		X				X	X	
106	X	X				X	X	
107			X			X	X	
108	X		X			X	X	
109		X	X			X	X	
110	X	X	X			X	X	
111				X		X	X	
112	X			X		X	X	
113		X		X		X	X	
114	X	X		X		X	X	
115			X	X		X	X	
116	X		X	X		X	X	
117		X	X	X		X	X	
118	X	X	X	X		X	X	
119					X	X	X	
120	X				X	X	X	
121		X			X	X	X	
122	X	X			X	X	X	
123			X		X	X	X	
124	X		X		X	X	X	
125		X	X		X	X	X	
126	X	X	X		X	X	X	
127				X	X	X	X	
128	X			X	X	X	X	
129		X		X	X	X	X	
130	X	X		X	X	X	X	

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
131			X	X	X	X	X	
132	X		X	X	X	X	X	
133		X	X	X	X	X	X	
134	X	X	X	X	X	X	X	
135								X
136	X							X
137		X						X
138	X	X						X
139			X					X
140	X		X					X
141		X	X					X
142	X	X	X					X
143				X				X
144	X			X				X
145		X		X				X
146	X	X		X				X
147			X	X				X
148	X		X	X				X
149		X	X	X				X
150	X	X	X	X				X
151					X			X
152	X				X			X
153		X			X			X
154	X	X			X			X
155			X		X			X
156	X		X		X			X
157		X	X		X			X
158	X	X	X		X			X
159				X	X			X
160	X			X	X			X
161		X		X	X			X
162	X	X		X	X			X
163			X	X	X			X
164	X		X	X	X			X
165		X	X	X	X			X
166	X	X	X	X	X			X
167						X		X
168	X					X		X
169		X				X		X
170	X	X				X		X
171			X			X		X
172	X		X			X		X
173		X	X			X		X
174	X	X	X			X		X
175				X		X		X
176	X			X		X		X
177		X		X		X		X

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH

VIDEO LINE SELECTION TABLE (cont.)

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
178	X	X		X		X		X
179			X	X		X		X
180	X		X	X		X		X
181		X	X	X		X		X
182	X	X	X	X		X		X
183					X	X		X
184	X				X	X		X
185		X			X	X		X
186	X	X			X	X		X
187			X		X	X		X
188	X		X		X	X		X
189		X	X		X	X		X
190	X	X	X		X	X		X
191				X	X	X		X
192	X			X	X	X		X
193		X		X	X	X		X
194	X	X		X	X	X		X
195			X	X	X	X		X
196	X		X	X	X	X		X
197		X	X	X	X	X		X
198	X	X	X	X	X	X		X
199							X	X
200	X						X	X
201		X					X	X
202	X	X					X	X
203			X				X	X
204	X		X				X	X
205		X	X				X	X
206	X	X	X				X	X
207				X			X	X
208	X			X			X	X
209		X		X			X	X
210	X	X		X			X	X
211			X	X			X	X
212	X		X	X			X	X
213		X	X	X			X	X
214	X	X	X	X			X	X
215					X		X	X

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH

LINE# SELECTION SWITCH

	1	2	3	4	5	6	7	8
216	X				X		X	X
217		X			X		X	X
218	X	X			X		X	X
219			X		X		X	X
220	X		X		X		X	X
221		X	X		X		X	X
222	X	X	X		X		X	X
223				X	X		X	X
224	X			X	X		X	X
225		X		X	X		X	X
226	X	X		X	X		X	X
227			X	X	X		X	X
228	X		X	X	X		X	X
229		X	X	X	X		X	X
230	X	X	X	X	X		X	X
231						X	X	X
232	X					X	X	X
233		X				X	X	X
234	X	X				X	X	X
235			X			X	X	X
236	X		X			X	X	X
237		X	X			X	X	X
238	X	X	X			X	X	X
239				X		X	X	X
240	X			X		X	X	X
241		X		X		X	X	X
242	X	X		X		X	X	X
243			X	X		X	X	X
244	X		X	X		X	X	X
245		X	X	X		X	X	X
246	X	X	X	X		X	X	X
247					X	X	X	X
248	X				X	X	X	X
249		X			X	X	X	X
250	X	X			X	X	X	X
251			X		X	X	X	X
252	X		X		X	X	X	X
253		X	X		X	X	X	X
254	X	X	X		X	X	X	X
255				X	X	X	X	X
256	X			X	X	X	X	X
257		X		X	X	X	X	X
258	X	X		X	X	X	X	X
259			X	X	X	X	X	X
260	X		X	X	X	X	X	X
261		X	X	X	X	X	X	X
262	X	X	X	X	X	X	X	X

1 2 3 4 5 6 7 8

LINE# SELECTION SWITCH