

ASHLY ne24.24M / 24.24M : Input Channel Message

BYTE #	VALUE OR TYPE	DESCRIPTION OR RANGE
1	\$F0	Start Byte (\$ denotes hexadecimal value)
2	0	Header byte 1
3	1	Header byte 2
4	\$2A	Header byte 3
5	6	Header byte 4 (24.24M model number)
6	device id - 1	Device id minus one. The device id is displayed on front panel when Preset # LED is off. ***For ne24.24M Byte #6 is always 0
7	message type	1 for Data Response , 8 for Data Download
8	1	sub type: input channel data
9	channel number	0-19 = input channels 1-20
10	input name character 1	ASCII characters "(blank space)" through "z", hexadecimal values 20-\$7A
11	input name character 2	
12	input name character 3	
13	input name character 4	
14	input name character 5	
15	input name character 6	
16	input name character 7	
17	input name character 8	
18	input name character 9	
19	input name character 10	
20	input name character 11	
21	input name character 12	
22	input name character 13	
23	input name character 14	
24	input name character 15	
25	input name character 16	
26	input name character 17	
27	input name character 18	
28	input name character 19	
29	input name character 20	
30	mute status	0 = not muted; 1-127 = muted
31	eq status	0 = bypassed; 1-127 = active
32	preamp gain	0 = 0dB (line); 20 = 20dB; 40 = 40dB; 60 = 60dB
33	phantom power status	0 = off; 1-127 = on
34	gain	bits 13-7; 7692 to 8312 = -50dB to +12dB (in 0.1dB steps), [8192 = 0dB]
35	gain	bits 6-0;
36	polarity	0 = normal; 1-127 = inverted
37	delay byte 1	bits 20-14; (x-20-19-18-17-16-15-14) Delay in seconds = [21-bit value]/48,000
38	delay byte 2	bits 13-7; (x-13-12-11-10-9-8-7) Most significant bit of each byte must be zero
39	delay byte 3	bits 6-0; (x-6-5-4-3-2-1-0)
40	gate threshold	20-120 = -80 to +20 dBu (in 1dB steps)
41	gate floor	0-19 = Off (-INF); 20-100 = -80 to 0 dBu (in 1dB steps)
42	gate attack rate	0-7 = 0.2, 0.5, 1, 2, 5, 10, 20, 50 ms/dB
43	gate release rate	0-7 = 5, 10, 20, 50, 100, 200, 500, 1000 ms/dB
44	gate status	0 = bypassed; 1-127 = active
45	autoleveler target level	60-120 = -40 to +20 dBu (in 1dB steps)

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46	autoleveler threshold below target	70-100 = -30 to 0 dB (in 1dB steps)
47	autoleveler ratio	0-6 = 1.2:1, 1.5:1, 2:1, 3:1, 4:1, 6:1, 10:1
48	autoleveler gain change rate	0-7 = 5,10,20,50,100,200,500,1000ms/dB; bits2-0 = increase rate, bits6-4 = decr rate
49	autoleveler hold time	0-6 = 0-6 seconds
50	autoleveler status	0 = bypassed; 1-127 = active
51	frequency	EQ Filter 1 frequency bit 14 (x-x-x-x-x-x-x-14)
52	frequency	bits 13-7; (x-13-12-11-10-9-8-7)
53	frequency	bits 6-0; (x-6-5-4-3-2-1-0); Frequency(Hz) = 15-bit value, PEQ range: 20-20K
54	Q	refer to Q table
55	level	bits 13-7; 7792 to 8312 = -40dB to +12dB (0.1dB steps)
56	level	bits 6-0; [8192 = 0dB]
57	status & type	bit 6: 0 = bypass, 1 = active; lower nibble value: 0-5 = PEQ, LS1, LS2, HS1, HS2, Allpass
58	frequency	EQ Filter 2
59	frequency	
60	frequency	
61	Q	
62	level	
63	level	
64	status & type	
65	frequency	EQ Filter 3
66	frequency	
67	frequency	
68	Q	
69	level	
70	level	
71	status & type	
72	frequency	EQ Filter 4
73	frequency	
74	frequency	
75	Q	
76	level	
77	level	
78	status & type	
79	frequency	EQ Filter 5
80	frequency	
81	frequency	
82	Q	
83	level	
84	level	
85	status & type	
86	frequency	EQ Filter 6
87	frequency	
88	frequency	
89	Q	
90	level	
91	level	

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92	status & type	
93	frequency	EQ Filter 7
94	frequency	
95	frequency	
96	Q	
97	level	
98	level	
99	status & type	
100	frequency	EQ Filter 8
101	frequency	
102	frequency	
103	Q	
104	level	
105	level	
106	status & type	
107	frequency	EQ Filter 9
108	frequency	
109	frequency	
110	Q	
111	level	
112	level	
113	status & type	
114	frequency	EQ Filter 10
115	frequency	
116	frequency	
117	Q	
118	level	
119	level	
120	status & type	
121	frequency	EQ Filter 11
122	frequency	
123	frequency	
124	Q	
125	level	
126	level	
127	status & type	
128	frequency	EQ Filter 12
129	frequency	
130	frequency	
131	Q	
132	level	
133	level	
134	status & type	
135	frequency	EQ Filter 13
136	frequency	
137	frequency	

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138	Q	
139	level	
140	level	
141	status & type	
142	frequency	EQ Filter 14
143	frequency	
144	frequency	
145	Q	
146	level	
147	level	
148	status & type	
149	frequency	EQ Filter 15
150	frequency	
151	frequency	
152	Q	
153	level	
154	level	
155	status & type	
156	ducker threshold	20-120 = -80 to +20 dBu (in 1dB steps)
157	ducker depth	0-69 = Off (-INF); 70-100 = -30 to 0 dBu (in 1dB steps)
158	ducker release	0-7 = 5, 10, 20, 50, 100, 200, 500, 1000 ms/dB
159	ducker status	0 = bypass; 1 = high priority trigger; 2 = low priority trigger; 3 = ducked program
160	\$F7	Stop Byte