

APPENDIX A: DML-1200 w/AXON DMX PROTOCOL

A.1 DMX CHANNEL ASSIGNMENT FOR DML-1200 w/AXON

The following tables list the parameters for the Embedded Graphics Engine and their associated DMX channel number(s). The range for a server on the DMX link depends on the number of Graphic Objects you select for your application. For more detailed information on DMX Protocol, please contact customer support at High End Systems.



Blue shaded parameters are not available in Version 1 Protocol

A.1.1 Motion Control



You can find more detailed information about the Motion Control and Image Control Parameters in the DML-1200 User Manual on the High End Systems website and the CD shipped with your fixture.

Parameter Name	DMX Chan #
Pan Coarse	1
Pan Fine	2
Tilt Coarse	3
Tilt Fine	4
Intensity	5
Optical Zoom	6
Focus	7
Shutter	8
Cyan	9
Magenta	10
Yellow	11
CTO	12
Mode Selection	13
Iris	14
Control	15

A.1.2 Image Control

Parameter Name	DMX Chan #
Source Selection	16
Brightness	17
Contrast	18
Saturation	19
Orientation	20
Blanking, left coarse	21
Blanking, left fine	22
Blanking, right coarse	23
Blanking, right fine	24
Blanking, top coarse	25
Blanking, top fine	26
Blanking, bottom coarse	27
Blanking, bottom fine	28
Soft edge left	29
Soft edge right	30
Soft edge top	31
Soft edge bottom	32
Reserved	33-35
Warp	36
Reserved	37

A.1.3 Global Control

Parameter Name	DMX Chan #
Global Intensity	38
Global Effect 1	39
Global Effect 1 Modifier 1	40
Global Effect 1 Modifier 2	41
Global Effect 1 Modifier 3	42
Global Effect 2	43
Global Effect 2 Modifier 1	44
Global Effect 2 Modifier 2	45
Global Effect 2 Modifier 3	46
Global Effect 3	47
Global Effect 3 Modifier 1	48
Global Effect 3 Modifier 2	49
Global Effect 3 Modifier 3	50
Global Effect 4	51
Global Effect 4 Modifier 1	52
Global Effect 4 Modifier 2	53
Global Effect 4 Modifier 3	54
Global Effect 5	55
Global Effect 5 Modifier 1	56
Global Effect 5 Modifier 2	57
Global Effect 5 Modifier 3	58
Mask Select (default iris)	59
Mask Size	60
Mask Edge	61
Edge Fade Top	62
Edge Fade Right	63
Edge Fade Bottom	64
Edge Fade Left	65

Parameter Name	DMX Chan #
Keystone Top Left X	66
Keystone Top Left Y	67
Keystone Top Right X	68
Keystone Top Right Y	69
Keystone Bottom Right X	70
Keystone Bottom Right Y	71
Keystone Bottom Left X	72
Keystone Bottom Left Y	73
Keystone X Ratio	74
Keystone Y Ratio	75
Framing Top Left X	76
Framing Top Left Y	77
Framing Top Right X	78
Framing Top Right Y	79
Framing Bottom Right X	80
Framing Bottom Right Y	81
Framing Bottom Left X	82
Framing Bottom Left Y	83
Viewpoint mode	84
Viewpoint Position X	85
	86
Viewpoint Position Y	87
	88
Viewpoint Position Z	89
	90
Global Control	91
Global Control Modifier	92

A.1.4 Axon Graphic Object Control

Parameter Name	DMX Channel #								
	Obj.1	Obj.2	Obj.3	Obj.4	Obj.5	Obj.6	Obj.7	Obj.8	Obj.9
Opacity	93	138	183	228	273	318	363	408	453
3-D Object File	94	139	184	229	274	319	364	409	454
Media Folder	95	140	185	230	275	320	365	410	455
Media File	96	141	186	231	276	321	366	411	456
In Frame	97	142	187	232	277	322	367	412	457
	98	143	188	233	278	323	368	413	458
Out Frame	99	144	189	234	279	324	369	414	459
	100	145	190	235	280	325	370	415	460
Play Mode	101	146	191	236	281	326	371	416	461
Play Speed	102	147	192	237	282	327	372	417	462
Sync Type	103	148	193	238	283	328	373	418	463
Sync To	104	149	194	239	284	329	374	419	464
Visual Mode	105	150	195	240	285	330	375	420	465
Visual Mode Modifier 1	106	151	196	241	286	331	376	421	466
Visual Mode Modifier 2	107	152	197	242	287	332	377	422	467
Graphic Effect 1	108	153	198	243	288	333	378	423	468
Effect 1 Modifier 1	109	154	199	244	289	334	379	424	469
Effect 1 Modifier 2	110	155	200	245	290	335	380	425	470
Effect 1 Modifier 3	111	156	201	246	291	336	381	426	471
Graphic Effect 2	112	157	202	247	292	337	382	427	472
Effect 2 Modifier 1	113	158	203	248	293	338	383	428	473
Effect 2 Modifier 2	114	159	204	249	294	339	384	429	474
Effect 2 Modifier 3	115	160	205	250	295	340	385	430	475

Parameter Name	DMX Channel #								
	Obj.1	Obj.2	Obj.3	Obj.4	Obj.5	Obj.6	Obj.7	Obj.8	Obj.9
Graphic Effect 3	116	161	206	251	296	341	386	431	476
Effect 3 Modifier 1	117	162	207	252	297	342	387	432	477
Effect 3 Modifier 2	118	163	208	253	298	343	388	433	478
Effect 3 Modifier 3	119	164	209	254	299	344	389	434	479
X-axis rotation	120	165	210	255	300	345	390	435	480
	121	166	211	256	301	346	391	436	481
Y -axis rotation	122	167	212	257	302	347	392	437	482
	123	168	213	258	303	348	393	438	483
Z-axis rotation	124	169	214	259	304	349	394	439	484
	125	170	215	260	305	350	395	440	485
Scale X	126	171	216	261	306	351	396	441	486
	127	172	217	262	307	352	397	442	487
Scale Y	128	173	218	263	308	353	398	443	488
	129	174	219	264	309	354	399	444	489
Scale Z	130	175	220	265	310	355	400	445	490
	131	176	221	266	311	356	401	446	491
X Position	132	177	222	267	312	357	402	447	492
	133	178	223	268	313	358	403	448	493
Y Position	134	179	224	269	314	359	404	449	494
	135	180	225	270	315	360	405	450	495
Z Position	136	181	226	271	316	361	406	451	496
	137	182	227	272	317	362	407	452	497