

Subject: IEEE I/R Codes_X1616_AD-16_2015-01-29															ZSIDE (ZIDE+SIDE)													
DATA =																												
ID= UID + ZSIDE = UID (Unit ID) + ZIDE (Zone ID Extension) + SIDE (Source ID Extension)																												
CC= Customer Code = D8																												
D= D0 ~ D7 = Zone 1-8 + Command																												
^D= Inverted Command D																												
Customer Code: 07D8 (For IEEE X1616, AD16 etc) (Z1 ~Z5)															Zone ID Source ID Extension Extension													
Hex	Function	S1	S2	S3	D7	D6	D5	D4	D3	D2	D1	D0	DATA	UID (Unit ID)								ZIDE SIDE				ID(=UID+ZSIDE)		
														All	1	2	3	4	5	6	7	8	Z4	Z5	S4	S5	Zone1-8(Z4=0)	Zone9-16(Z4=1)
00	Zone 1 or 9 Mute/Unmute Toggle	0	0	0	0	0	0	0	0	0	0	0	0xFF00D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
80	Zone 1 or 9 On	1	0	0	0	0	0	0	0	0	0	0	0x7F80D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
40	Zone 1 or 9 Off	0	1	0	0	0	0	0	0	0	0	0	0xBF40D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
C0	Zone 1 or 9 Volume Up	1	1	0	0	0	0	0	0	0	0	0	0x3FC0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
20	Zone 1 or 9 Volume Down	0	0	1	0	0	0	0	0	0	0	0	0xDF20D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
A0	Zone 1 or 9 Mute	1	0	1	0	0	0	0	0	0	0	0	0x5FA0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
60	Zone 1 or 9 Unmute	0	1	1	0	0	0	0	0	0	0	0	0x9F60D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
E0	Zone 1 or 9 Source 1	1	1	1	0	0	0	0	0	0	0	0	0x1FE0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
10	Zone 1 or 9 Source 2	0	0	0	1	0	0	0	0	0	0	0	0xEF10D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
90	Zone 1 or 9 Source 3	1	0	0	1	0	0	0	0	0	0	0	0x6F90D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
50	Zone 1 or 9 Source 4	0	1	0	1	0	0	0	0	0	0	0	0xAF50D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
D0	Zone 1 or 9 Source 5	1	1	0	1	0	0	0	0	0	0	0	0x2FD0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
30	Zone 1 or 9 Source 6	0	0	1	1	0	0	0	0	0	0	0	0xCF30D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
B0	Zone 1 or 9 Source 7	1	0	1	1	0	0	0	0	0	0	0	0x4FB0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
70	Zone 1 or 9 Source 8	0	1	1	1	0	0	0	0	0	0	0	0x8F70D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
E0	Zone 1 or 9 Source 9	1	1	1	0	0	0	0	0	0	0	0	0x1FE0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
10	Zone 1 or 9 Source 10	0	0	0	1	0	0	0	0	0	0	0	0xEF10D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
90	Zone 1 or 9 Source 11	1	0	0	1	0	0	0	0	0	0	0	0x6F90D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
50	Zone 1 or 9 Source 12	0	1	0	1	0	0	0	0	0	0	0	0xAF50D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
D0	Zone 1 or 9 Source 13	1	1	0	1	0	0	0	0	0	0	0	0x2FD0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
30	Zone 1 or 9 Source 14	0	0	1	1	0	0	0	0	0	0	0	0xCF30D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
B0	Zone 1 or 9 Source 15	1	0	1	1	0	0	0	0	0	0	0	0x4FB0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
70	Zone 1 or 9 Source 16	0	1	1	1	0	0	0	0	0	0	0	0x8F70D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A
F0	Zone 1 or 9 Bass Up	1	1	1	1	0	0	0	0	0	0	0	0x0FF0D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
08	Zone 1 or 9 Bass Down	0	0	0	0	1	0	0	0	0	0	0	0xF708D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
88	Zone 1 or 9 Treble Up	1	0	0	0	1	0	0	0	0	0	0	0x7788D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
48	Zone 1 or 9 Treble Down	0	1	0	0	1	0	0	0	0	0	0	0xB748D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
C8	Zone 1 or 9 On/Off Toggle	1	1	0	0	1	0	0	0	0	0	0	0x37C8D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
28	Zone 1 or 9 Status	0	0	1	0	1	0	0	0	0	0	0	0xD728D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
A8	Zone 1 or 9 Bass Flat	1	0	1	0	1	0	0	0	0	0	0	0x57A8D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
68	Zone 1 or 9 Treble Flat	0	1	1	0	1	0	0	0	0	0	0	0x9768D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
04	Zone 2 or 10 Mute/Unmute Toggle	0	0	0	0	0	0	1	0	0	0	0	0xFB04D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
84	Zone 2 or 10 On	1	0	0	0	0	0	1	0	0	0	0	0x7B84D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
44	Zone 2 or 10 Off	0	1	0	0	0	0	1	0	0	0	0	0xBB44D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
C4	Zone 2 or 10 Volume Up	1	1	0	0	0	0	1	0	0	0	0	0x3BC4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
24	Zone 2 or 10 Volume Down	0	0	1	0	0	0	1	0	0	0	0	0xDB24D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
A4	Zone 2 or 10 Mute	1	0	1	0	0	0	1	0	0	0	0	0x5BA4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
64	Zone 2 or 10 Unmute	0	1	1	0	0	0	1	0	0	0	0	0x9B64D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
E4	Zone 2 or 10 Source 1	1	1	1	0	0	0	1	0	0	0	0	0x1BE4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
14	Zone 2 or 10 Source 2	0	0	0	1	0	0	1	0	0	0	0	0xEB14D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
94	Zone 2 or 10 Source 3	1	0	0	1	0	0	1	0	0	0	0	0x6B94D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
54	Zone 2 or 10 Source 4	0	1	0	1	0	0	1	0	0	0	0	0xAB54D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
D4	Zone 2 or 10 Source 5	1	1	0	1	0	0	1	0	0	0	0	0x2BD4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
34	Zone 2 or 10 Source 6	0	0	1	1	0	0	1	0	0	0	0	0xCB34D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
B4	Zone 2 or 10 Source 7	1	0	1	1	0	0	1	0	0	0	0	0x4BB4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
74	Zone 2 or 10 Source 8	0	1	1	1	0	0	1	0	0	0	0	0x8B74D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	0	0	(UID)0	(UID)8
E4	Zone 2 or 10 Source 9	1	1	1	0	0	0	1	0	0	0	0	0x1BE4D8 (ID)	0	8	4	C	2	A	6	E	1	0	0	1	0	(UID)2	(UID)A

14	Zone 2 or 10 Source 10	0	0	0	1	0	1	0	0	0xEB14D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
94	Zone 2 or 10 Source 11	1	0	0	1	0	1	0	0	0x6B94D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
54	Zone 2 or 10 Source 12	0	1	0	1		1	0	0	0xAB54D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
D4	Zone 2 or 10 Source 13	1	1	0	1	0	1	0	0	0x2BD4D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
34	Zone 2 or 10 Source 14	0	0	1	1	0	1	0	0	0xCB34D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
B4	Zone 2 or 10 Source 15	1	0	1	1	0	1	0	0	0x4BB4D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
74	Zone 2 or 10 Source 16	0	1	1	1	0	1	0	0	0x8B74D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
F4	Zone 2 or 10 Bass Up	1	1	1	1	0	1	0	0	0x0BF4D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
0C	Zone 2 or 10 Bass Down	0	0	0	0	1	1	0	0	0xF30CD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
8C	Zone 2 or 10 Treble Up	1	0	0	0	1	1	0	0	0x738CD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
4C	Zone 2 or 10 Treble Down	0	1	0	0	1	1	0	0	0xB34CD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
CC	Zone 2 or 10 On/Off Toggle	1	1	0	0	1	1	0	0	0x33CCD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
2C	Zone 2 or 10 Status	0	0	1	0	1	1	0	0	0xD32CD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
AC	Zone 2 or 10 Bass Flat	1	0	1	0	1	1	0	0	0x53ACD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
6C	Zone 2 or 10 Treble Flat	0	1	1	0	1	1	0	0	0x936CD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
Subject: IEEE I/R Codes_X1616_AD-16_2015-01-29																							ZSIDE (ZIDE+SIDE)		
Customer Code: 07D8 (For IEEE X1616, AD16 etc)										(Z1 ~Z5)			Zone ID		Source ID										
										Extension		Extension													
										UID (Unit ID)								ZIDE		SIDE		ID(=UID+ZSIDE)			
										Hex Function D7 D6 D5 D4 D3 D2 D1 D0 DATA All 1 2 3 4 5 6 7 8 Z4 Z5 S4 S5 Zon1-8(Z4=0) Zon9-16(Z4=1)															
02	Zone 3 or 11 Mute/Unmute Toggle	0	0	0	0	0	0	1	0	0xFD02D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
82	Zone 3 or 11 On	1	0	0	0	0	0	1	0	0x7D82D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
42	Zone 3 or 11 Off	0	1	0	0	0	0	1	0	0xBD42D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
C2	Zone 3 or 11 Volume Up	1	1	0	0	0	0	1	0	0x3DC2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
22	Zone 3 or 11 Volume Down	0	0	1	0	0	0	1	0	0xDD22D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
A2	Zone 3 or 11 Mute	1	0	1	0	0	0	1	0	0x5DA2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
62	Zone 3 or 11 Unmute	0	1	1	0	0	0	1	0	0x9D62D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E2	Zone 3 or 11 Source 1	1	1	1	0	0	0	1	0	0x1DE2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
12	Zone 3 or 11 Source 2	0	0	0	1	0	0	1	0	0xED12D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
92	Zone 3 or 11 Source 3	1	0	0	1	0	0	1	0	0x6D92D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
52	Zone 3 or 11 Source 4	0	1	0	1	0	0	1	0	0xAD52D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
D2	Zone 3 or 11 Source 5	1	1	0	1	0	0	1	0	0x2DD2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
32	Zone 3 or 11 Source 6	0	0	1	1	0	0	1	0	0xCD32D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
B2	Zone 3 or 11 Source 7	1	0	1	1	0	0	1	0	0x4DB2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
72	Zone 3 or 11 Source 8	0	1	1	1	0	0	1	0	0x8D72D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E2	Zone 3 or 11 Source 9	1	1	1	0	0	0	1	0	0x1DE2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
12	Zone 3 or 11 Source 10	0	0	0	1	0	0	1	0	0xED12D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
92	Zone 3 or 11 Source 11	1	0	0	1	0	0	1	0	0x6D92D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
52	Zone 3 or 11 Source 12	0	1	0	1	0	0	1	0	0xAD52D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
D2	Zone 3 or 11 Source 13	1	1	0	1	0	0	1	0	0x2DD2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
32	Zone 3 or 11 Source 14	0	0	1	1	0	0	1	0	0xCD32D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
B2	Zone 3 or 11 Source 15	1	0	1	1	0	0	1	0	0x4DB2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
72	Zone 3 or 11 Source 16	0	1	1	1	0	0	1	0	0x8D72D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
F2	Zone 3 or 11 Bass Up	1	1	1	1	0	0	1	0	0x0DF2D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
0A	Zone 3 or 11 Bass Down	0	0	0	0	1	0	1	0	0xF50AD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
8A	Zone 3 or 11 Treble Up	1	0	0	0	1	0	1	0	0x758AD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
4A	Zone 3 or 11 Treble Down	0	1	0	0	1	0	1	0	0xB54AD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
CA	Zone 3 or 11 On/Off Toggle	1	1	0	0	1	0	1	0	0x35CAD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
2A	Zone 3 or 11 Status	0	0	1	0	1	0	1	0	0xD52AD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
AA	Zone 3 or 11 Bass Flat	1	0	1	0	1	0	1	0	0x55AAD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
6A	Zone 3 or 11 Treble Flat	0	1	1	0	1	0	1	0	0x956AD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
06	Zone 4 or 12 Mute/Unmute Toggle	0	0	0	0	0	1	1	0	0xF906D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
86	Zone 4 or 12 On	1	0	0	0	0	1	1	0	0x7986D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
46	Zone 4 or 12 Off	0	1	0	0	0	1	1	0	0xB946D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
C6	Zone 4 or 12 Volume Up	1	1	0	0	0	1	1	0	0x39C6D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8

26	Zone 4 or 12 Volume Down	0	0	1	0	0	1	1	0	0xD926D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
A6	Zone 4 or 12 Mute	1	0	1	0	0	1	1	0	0x59A6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
66	Zone 4 or 12 Unmute	0	1	1	0	0	1	1	0	0x9966D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
E6	Zone 4 or 12 Source 1	1	1	1	0	0	1	1	0	0x19E6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
16	Zone 4 or 12 Source 2	0	0	0	1	0	1	1	0	0xE916D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
96	Zone 4 or 12 Source 3	1	0	0	1	0	1	1	0	0x6996D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
56	Zone 4 or 12 Source 4	0	1	0	1	0	1	1	0	0xA956D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
D6	Zone 4 or 12 Source 5	1	1	0	1	0	1	1	0	0x29D6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
36	Zone 4 or 12 Source 6	0	0	1	1	0	1	1	0	0xC936D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
B6	Zone 4 or 12 Source 7	1	0	1	1	0	1	1	0	0x49B6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
76	Zone 4 or 12 Source 8	0	1	1	1	0	1	1	0	0x8976D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
E6	Zone 4 or 12 Source 9	1	1	1	0	0	1	1	0	0x19E6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
16	Zone 4 or 12 Source 10	0	0	0	1	0	1	1	0	0xE916D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
96	Zone 4 or 12 Source 11	1	0	0	1	0	1	1	0	0x6996D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
56	Zone 4 or 12 Source 12	0	1	0	1	0	1	1	0	0xA956D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
D6	Zone 4 or 12 Source 13	1	1	0	1	0	1	1	0	0x29D6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
36	Zone 4 or 12 Source 14	0	0	1	1	0	1	1	0	0xC936D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
B6	Zone 4 or 12 Source 15	1	0	1	1	0	1	1	0	0x49B6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
76	Zone 4 or 12 Source 16	0	1	1	1	0	1	1	0	0x8976D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	1	0		(UID)2	(UID)A
F6	Zone 4 or 12 Bass Up	1	1	1	1	0	1	1	0	0x09F6D8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
0E	Zone 4 or 12 Bass Down	0	0	0	0	1	1	1	0	0xF10ED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
8E	Zone 4 or 12 Treble Up	1	0	0	0	1	1	1	0	0x718ED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
4E	Zone 4 or 12 Treble Down	0	1	0	0	1	1	1	0	0xB14ED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
CE	Zone 4 or 12 On/Off Toggle	1	1	0	0	1	1	1	0	0x31CED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
2E	Zone 4 or 12 Status	0	0	1	0	1	1	1	0	0xD12ED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
AE	Zone 4 or 12 Bass Flat	1	0	1	0	1	1	1	0	0x51AED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8
6E	Zone 4 or 12 Treble Flat	0	1	1	0	1	1	1	0	0x916ED8 (ID)			0	8	4	C	2	A	6	E	1			0 or 1	0	0	0		(UID)0	(UID)8

Subject: IEEE I/R Codes X1616 AD-16 2015-01-29

ZSIDE (ZIDE+SIDE)

Customer Code: 07D8 (For IEEE X1616, AD16 etc)		(Z1 ~Z5)								UID (Unit ID)																ZSIDE				ID(=UID+ZSIDE)	
Hex	Function	S1	S2	S3	D4	D3	Z1	Z2	Z3	DATA	All	1	2	3	4	5	6	7	8	Z4	Z5	S4	S5	Zone1-8(Z4=0)	Zone9-16(Z4=1)						
01	Zone 5 or 13 Mute/Unmute Toggle	0	0	0	0	0	0	0	1	0xFE01D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
81	Zone 5 or 13 On	1	0	0	0	0	0	0	1	0x7E81D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
41	Zone 5 or 13 Off	0	1	0	0	0	0	0	1	0xBE41D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
C1	Zone 5 or 13 Volume Up	1	1	0	0	0	0	0	1	0x3EC1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
21	Zone 5 or 13 Volume Down	0	0	1	0	0	0	0	1	0xDE21D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
A1	Zone 5 or 13 Mute	1	0	1	0	0	0	0	1	0x5EA1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
61	Zone 5 or 13 Unmute	0	1	1	0	0	0	0	1	0x9E61D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
E1	Zone 5 or 13 Source 1	1	1	1	0	0	0	0	1	0x1EE1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
11	Zone 5 or 13 Source 2	0	0	0	1	0	0	0	1	0xEE11D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
91	Zone 5 or 13 Source 3	1	0	0	1	0	0	0	1	0x6E91D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
51	Zone 5 or 13 Source 4	0	1	0	1	0	0	0	1	0xAB51D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
D1	Zone 5 or 13 Source 5	1	1	0	1	0	0	0	1	0x2ED1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
31	Zone 5 or 13 Source 6	0	0	1	1	0	0	0	1	0xCE31D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
B1	Zone 5 or 13 Source 7	1	0	1	1	0	0	0	1	0x4EB1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
71	Zone 5 or 13 Source 8	0	1	1	1	0	0	0	1	0x8E71D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						
E1	Zone 5 or 13 Source 9	1	1	1	0	0	0	0	1	0x1EE1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
11	Zone 5 or 13 Source 10	0	0	0	1	0	0	0	1	0xEE11D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
91	Zone 5 or 13 Source 11	1	0	0	1	0	0	0	1	0x6E91D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
51	Zone 5 or 13 Source 12	0	1	0	1	0	0	0	1	0xAB51D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
D1	Zone 5 or 13 Source 13	1	1	0	1	0	0	0	1	0x2ED1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
31	Zone 5 or 13 Source 14	0	0	1	1	0	0	0	1	0xCE31D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
B1	Zone 5 or 13 Source 15	1	0	1	1	0	0	0	1	0x4EB1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
71	Zone 5 or 13 Source 16	0	1	1	1	0	0	0	1	0x8E71D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A						
F1	Zone 5 or 13 Bass Up	1	1	1	1	0	0	0	1	0x0EF1D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8						

09	Zone 5 or 13 Bass Down	0	0	0	0	1	0	0	1	0xF609D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
89	Zone 5 or 13 Treble Up	1	0	0	0	1	0	0	1	0x7689D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
49	Zone 5 or 13 Treble Down	0	1	0	0	1	0	0	1	0xB649D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
C9	Zone 5 or 13 On/Off Toggle	1	1	0	0	1	0	0	1	0x36C9D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
29	Zone 5 or 13 Status	0	0	1	0	1	0	0	1	0xD629D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
A9	Zone 5 or 13 Bass Flat	1	0	1	0	1	0	0	1	0x56A9D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
69	Zone 5 or 13 Treble Flat	0	1	1	0	1	0	0	1	0x9669D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
05	Zone 6 or 14 Mute/Unmute Toggle	0	0	0	0	0	1	0	1	0xFA05D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
85	Zone 6 or 14 On	1	0	0	0	0	1	0	1	0x7A85D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
45	Zone 6 or 14 Off	0	1	0	0	0	1	0	1	0xBA45D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
C5	Zone 6 Volume Up	1	1	0	0	0	1	0	1	0x3AC5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
25	Zone 6 or 14 Volume Down	0	0	1	0	0	1	0	1	0xDA25D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
A5	Zone 6 or 14 Mute	1	0	1	0	0	1	0	1	0x5AA5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
65	Zone 6 or 14 Unmute	0	1	1	0	0	1	0	1	0x9A65D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E5	Zone 6 or 14 Source 1	1	1	1	0	0	1	0	1	0x1AE5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
15	Zone 6 or 14 Source 2	0	0	0	1	0	1	0	1	0xEA15D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
95	Zone 6 or 14 Source 3	1	0	0	1	0	1	0	1	0x6A95D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
55	Zone 6 or 14 Source 4	0	1	0	1	0	1	0	1	0xAA55D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
D5	Zone 6 or 14 Source 5	1	1	0	1	0	1	0	1	0x2AD5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
35	Zone 6 or 14 Source 6	0	0	1	1	0	1	0	1	0xCA35D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
B5	Zone 6 or 14 Source 7	1	0	1	1	0	1	0	1	0x4AB5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
75	Zone 6 or 14 Source 8	0	1	1	1	0	1	0	1	0x8A75D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E5	Zone 6 or 14 Source 9	1	1	1	0	0	1	0	1	0x1AE5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
15	Zone 6 or 14 Source 10	0	0	0	1	0	1	0	1	0xEA15D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
95	Zone 6 or 14 Source 11	1	0	0	1	0	1	0	1	0x6A95D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
55	Zone 6 or 14 Source 12	0	1	0	1	0	1	0	1	0xAA55D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
D5	Zone 6 or 14 Source 13	1	1	0	1	0	1	0	1	0x2AD5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
35	Zone 6 or 14 Source 14	0	0	1	1	0	1	0	1	0xCA35D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
B5	Zone 6 or 14 Source 15	1	0	1	1	0	1	0	1	0x4AB5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
75	Zone 6 or 14 Source 16	0	1	1	1	0	1	0	1	0x8A75D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
F5	Zone 6 or 14 Bass Up	1	1	1	1	0	1	0	1	0x0AF5D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
0D	Zone 6 or 14 Bass Down	0	0	0	0	1	1	0	1	0xF20DD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
8D	Zone 6 or 14 Treble Up	1	0	0	0	1	1	0	1	0x728DD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
4D	Zone 6 or 14 Treble Down	0	1	0	0	1	1	0	1	0xB24DD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
CD	Zone 6 or 14 On/Off Toggle	1	1	0	0	1	1	0	1	0x32CDD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
2D	Zone 6 or 14 Status	0	0	1	0	1	1	0	1	0xD22DD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
AD	Zone 6 or 14 Bass Flat	1	0	1	0	1	1	0	1	0x52ADD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
6D	Zone 6 or 14 Treble Flat	0	1	1	0	1	1	0	1	0x926DD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8

Subject: IEEE I/R Codes_X1616_AD-16_2015-01-29

ZSIDE (ZIDE+SIDE)

Customer Code: 07D8 (For IEEE X1616, AD16 etc) (Z1 ~Z5)

		Z1 ~Z5								UID (Unit ID)								ZIDE				SIDE				ID(=UID+ZSIDE)	
		S1	S2	S3	Z1			Z2	Z3	All	1	2	3	4	5	6	7	8	Z4	Z5	S4	S5	Zon1-8(Z4=0)	Zone9-16(Z4=1)			
Hex	Function	D7	D6	D5	D4	D3	D2	D1	D0	DATA													(UID)0	(UID)8			
03	Zone 7 or 15 Mute/Unmute Togg	0	0	0	0	0	0	1	1	0xFC03D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
83	Zone 7 or 15 On	1	0	0	0	0	0	1	1	0x7C83D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
43	Zone 7 or 15 Off	0	1	0	0	0	0	1	1	0xBC43D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
C3	Zone 7 or 15 Volume Up	1	1	0	0	0	0	1	1	0x3CC3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
23	Zone 7 or 15 Volume Down	0	0	1	0	0	0	1	1	0xDC23D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
A3	Zone 7 or 15 Mute	1	0	1	0	0	0	1	1	0x5CA3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
63	Zone 7 or 15 Unmute	0	1	1	0	0	0	1	1	0x9C63D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
E3	Zone 7 or 15 Source 1	1	1	1	0	0	0	1	1	0x1CE3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
13	Zone 7 or 15 Source 2	0	0	0	1	0	0	1	1	0xEC13D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
93	Zone 7 or 15 Source 3	1	0	0	1	0	0	1	1	0x6C93D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
53	Zone 7 or 15 Source 4	0	1	0	1	0	0	1	1	0xAC53D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		
D3	Zone 7 or 15 Source 5	1	1	0	1	0	0	1	1	0x2CD3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8		

33	Zone 7 or 15 Source 6	0	0	1	1	0	0	1	1	0xCC33D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E3	Zone 7 or 15 Source 7	1	0	1	1	0	0	1	1	0x4CB3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
73	Zone 7 or 15 Source 8	0	1	1	1	0	0	1	1	0x8C73D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E3	Zone 7 or 15 Source 9	1	1	1	0	0	0	1	1	0x1CE3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
13	Zone 7 or 15 Source 10	0	0	0	1	0	0	1	1	0xEC13D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
93	Zone 7 or 15 Source 11	1	0	0	1	0	0	1	1	0x6C93D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
53	Zone 7 or 15 Source 12	0	1	0	1	0	0	1	1	0xAC53D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
D3	Zone 7 or 15 Source 13	1	1	0	1	0	0	1	1	0x2CD3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
33	Zone 7 or 15 Source 14	0	0	1	1	0	0	1	1	0xCC33D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
B3	Zone 7 or 15 Source 15	1	0	1	1	0	0	1	1	0x4CB3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
73	Zone 7 or 15 Source 16	0	1	1	1	0	0	1	1	0x8C73D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
F3	Zone 7 or 15 Bass Up	1	1	1	1	0	0	1	1	0x0CF3D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
0B	Zone 7 or 15 Bass Down	0	0	0	0	1	0	1	1	0xF40BD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
8B	Zone 7 or 15 Treble Up	1	0	0	0	1	0	1	1	0x748BD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
4B	Zone 7 or 15 Treble Down	0	1	0	0	1	0	1	1	0xB44BD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
CB	Zone 7 or 15 On/Off Toggle	1	1	0	0	1	0	1	1	0x34CBD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
2B	Zone 7 or 15 Status	0	0	1	0	1	0	1	1	0xD42BD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
AB	Zone 7 or 15 Bass Flat	1	0	1	0	1	0	1	1	0x54ABD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
6B	Zone 7 or Treble Flat	0	1	1	0	1	0	1	1	0x946BD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
07	Zone 8 or 16 Mute/Unmute Togg	0	0	0	0	0	1	1	1	0xF807D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
87	Zone 8 or 16 On	1	0	0	0	0	1	1	1	0x7887D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
47	Zone 8 or 16 Off	0	1	0	0	0	1	1	1	0xB847D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
C7	Zone 8 or 16 Volume Up	1	1	0	0	0	1	1	1	0x38C7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
27	Zone 8 or 16 Volume Down	0	0	1	0	0	1	1	1	0xD827D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
A7	Zone 8 or 16 Mute	1	0	1	0	0	1	1	1	0x58A7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
67	Zone 8 or 16 Unmute	0	1	1	0	0	1	1	1	0x9867D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E7	Zone 8 or 16 Source 1	1	1	1	0	0	1	1	1	0x18E7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
17	Zone 8 or 16 Source 2	0	0	0	1	0	1	1	1	0xE817D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
97	Zone 8 or 16 Source 3	1	0	0	1	0	1	1	1	0x6897D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
57	Zone 8 or 16 Source 4	0	1	0	1	0	1	1	1	0xA857D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
D7	Zone 8 or 16 Source 5	1	1	0	1	0	1	1	1	0x28D7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
37	Zone 8 or 16 Source 6	0	0	1	1	0	1	1	1	0xC837D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
B7	Zone 8 or 16 Source 7	1	0	1	1	0	1	1	1	0x48B7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
77	Zone 8 or 16 Source 8	0	1	1	1	0	1	1	1	0x8877D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
E7	Zone 8 or 16 Source 9	1	1	1	0	0	1	1	1	0x18E7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
17	Zone 8 or 16 Source 10	0	0	0	1	0	1	1	1	0xE817D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
97	Zone 8 or 16 Source 11	1	0	0	1	0	1	1	1	0x6897D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
57	Zone 8 or 16 Source 12	0	1	0	1	0	1	1	1	0xA857D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
D7	Zone 8 or 16 Source 13	1	1	0	1	0	1	1	1	0x28D7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
37	Zone 8 or 16 Source 14	0	0	1	1	0	1	1	1	0xC837D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
B7	Zone 8 or 16 Source 15	1	0	1	1	0	1	1	1	0x48B7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
77	Zone 8 or 16 Source 16	0	1	1	1	0	1	1	1	0x8877D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	1	0	(UID)2	(UID)A
F7	Zone 8 or 16 Bass Up	1	1	1	1	0	1	1	1	0x08F7D8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
0F	Zone 8 or 16 Bass Down	0	0	0	0	1	1	1	1	0xF00FD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
8F	Zone 8 or 16 Treble Up	1	0	0	0	1	1	1	1	0x708FD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
4F	Zone 8 or 16 Treble Down	0	1	0	0	1	1	1	1	0xB04FD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
CF	Zone 8 or 16 On/Off Toggle	1	1	0	0	1	1	1	1	0x30CFD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
2F	Zone 8 or 16 Status	0	0	1	0	1	1	1	1	0xD02FD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
AF	Zone 8 or 16 Bass Flat	1	0	1	0	1	1	1	1	0x50AFD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
6F	Zone 8 or 16 Treble Flat	0	1	1	0	1	1	1	1	0x906FD8 (ID)	0	8	4	C	2	A	6	E	1	0 or 1	0	0	0	(UID)0	(UID)8
Subject: IEEE I/R Codes X1616_AD-16_2015-01-29											ZSIDE (ZIDE+SIDE)														
Customer Code: 07D8 (For IEEE X1616, AD16 etc) (Z1 ~Z5)											Zone ID source ID														
Hex Function											Extension Extension														
D7 D6 D5 D4 D3 D2 D1 D0 DATA											ZIDE SIDE ID(=UID+ZSIDE)														
											Z4 Z5 S4 S5 Zone1-8(Z4&Z5=0) Zone9-16(Z4=1,Z5=0) All Zones(Z4=1,Z5=1)														

1F	All Zones Mute/Unmute Toggle	0	0	0	1	1	1	1	1	1	0xE01FD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
9F	All Zones On	1	0	0	1	1	1	1	1	1	0x609FD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
5F	All Zones Off	0	1	0	1	1	1	1	1	1	0xA05FD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
DF	All Zones Mute	1	1	0	1	1	1	1	1	1	0x20DFD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
3F	All Zones Unmute	0	0	1	1	1	1	1	1	1	0xC03FD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
BF	All Zones On/Off Toggle	1	0	1	1	1	1	1	1	1	0x40BFD8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
18	All Zones Source 1	0	0	0	1	1	0	0	0	0	0xE718D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
98	All Zones Source 2	1	0	0	1	1	0	0	0	0	0x6798D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
58	All Zones Source 3	0	1	0	1	1	0	0	0	0	0xA758D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
D8	All Zones Source 4	1	1	0	1	1	0	0	0	0	0x27D8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
38	All Zones Source 5	0	0	1	1	1	0	0	0	0	0xC738D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
B8	All Zones Source 6	1	0	1	1	1	0	0	0	0	0x47B8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
78	All Zones Source 7	0	1	1	1	1	0	0	0	0	0x8778D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
F8	All Zones Source 8	1	1	1	1	1	0	0	0	0	0x07F8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	0	0		-	-	(UID)C
18	All Zones Source 9	0	0	0	1	1	0	0	0	0	0xE718D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
98	All Zones Source 10	1	0	0	1	1	0	0	0	0	0x6798D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
58	All Zones Source 11	0	1	0	1	1	0	0	0	0	0xA758D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
D8	All Zones Source 12	1	1	0	1	1	0	0	0	0	0x27D8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
38	All Zones Source 13	0	0	1	1	1	0	0	0	0	0xC738D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
B8	All Zones Source 14	1	0	1	1	1	0	0	0	0	0x47B8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
78	All Zones Source 15	0	1	1	1	1	0	0	0	0	0x8778D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E
F8	All Zones Source 16	1	1	1	1	1	0	0	0	0	0x07F8D8 (ID)		0	8	4	C	2	A	6	E	1		1	1	1	0		-	-	(UID)E