

MCLA Equalization

Proto Unit #2 at Left Side (windows at each side)

1-Oct-09 1:21 PM

Note: values in **Bold** are calculated

GRAPHIC EQ SETTINGS

Frequency (Hz)	FLAT	Small Room X-Curve	X CURVE
	EQ SETTINGS (dB)	EQ SETTINGS (dB)	EQ SETTINGS (dB)
20	4.0	4.0	4.0
25	7.0	7.0	7.0
31.5	3.0	3.0	3.0
40	5.0	5.0	5.0
50	-0.5	-0.5	-0.5
63	-6.5	-6.5	-6.5
80	-8.5	-8.5	-8.5
100	-15.0	-15.0	-15.0
125	-10.5	-10.5	-10.5
160	-14.5	-14.5	-14.5
200	-15.0	-15.0	-15.0
250	-11.0	-11.0	-11.0
315	-10.0	-10.0	-10.0
400	-4.0	-4.0	-4.0
500	-9.0	-9.0	-9.0
630	-8.0	-8.0	-8.0
800	-9.0	-9.0	-9.0
1000	-7.5	-7.5	-7.5
1250	-3.5	-3.5	-3.5
1600	-3.5	-3.5	-3.5
2000	-3.0	-3.0	-3.0
2500	-1.0	-1.5	-2.0
3150	-1.0	-2.0	-3.0
4000	1.5	0.0	-1.5
5000	3.0	1.0	-1.0
6300	2.5	0.0	-2.5
8000	9.5	6.5	3.5
10000	14.5	11.0	7.5
12500	9.5	5.5	1.5
16000	15.0	10.5	6.0
20000	15.0	10.0	5.0

X-CURVE ADJUSTMENTS

Small Room X-Curve (dB)	X-Curve (dB)
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
-0.5	-1
-1	-2
-1.5	-3
-2	-4
-2.5	-5
-3	-6
-3.5	-7
-4	-8
-4.5	-9
-5	-10

Note: the parametric EQ settings are common to all three graphic EQ setups.

Parametric Band	PARAMETRIC EQ SETTINGS		
	Freq (Hz)	BW (octaves)	Gain (dB)
1	35.6	1/4.	4.5
2	44.8	1/5.	-7.5
3	563	1/4.	5
4	8933	1/4.	-3.5
5	11246	1/4.	4
6	109	1/4.	-2.5
7	15704	1/4.	1.5
8	180	1/4.	2
9	17825	1/6.	-3
10	20000	1/2.	3.5

MCLA Equalization

Proto Unit #1 at Right side (door at left, window at right)

3-Oct-09 1:30 PM

Note: values in **Bold** are calculated

GRAPHIC EQ SETTINGS

Frequency (Hz)	FLAT	Small Room X-Curve	X CURVE
	EQ SETTINGS (dB)	EQ SETTINGS (dB)	EQ SETTINGS (dB)
20	4.0	4.0	4.0
25	8.5	8.5	8.5
31.5	3.0	3.0	3.0
40	6.5	6.5	6.5
50	-2.0	-2.0	-2.0
63	-6.5	-6.5	-6.5
80	-8.0	-8.0	-8.0
100	-14.5	-14.5	-14.5
125	-9.5	-9.5	-9.5
160	-14.5	-14.5	-14.5
200	-15.0	-15.0	-15.0
250	-9.5	-9.5	-9.5
315	-9.5	-9.5	-9.5
400	-6.0	-6.0	-6.0
500	-5.0	-5.0	-5.0
630	-3.0	-3.0	-3.0
800	-5.5	-5.5	-5.5
1000	-2.0	-2.0	-2.0
1250	-5.0	-5.0	-5.0
1600	-3.5	-3.5	-3.5
2000	-3.0	-3.0	-3.0
2500	1.0	0.5	0.0
3150	0.0	-1.0	-2.0
4000	3.0	1.5	0.0
5000	4.5	2.5	0.5
6300	3.0	0.5	-2.0
8000	12.0	9.0	6.0
10000	15.0	11.5	8.0
12500	11.0	7.0	3.0
16000	15.0	10.5	6.0
20000	15.0	10.0	5.0

X-CURVE ADJUSTMENTS

Small Room X-Curve (dB)	X-Curve (dB)
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
-0.5	-1
-1	-2
-1.5	-3
-2	-4
-2.5	-5
-3	-6
-3.5	-7
-4	-8
-4.5	-9
-5	-10

Note: the parametric EQ settings are common to all three graphic EQ setups.

PARAMETRIC EQ SETTINGS

Parametric Band	Freq (Hz)	BW (octaves)	Gain (dB)
1	35.6	1/4.	6
2	44.8	1/4.	-5.5
3	563	1/4.	3.5
4	8933	1/4.	-3.5
5	11246	1/4.	5
6	276	1/4.	1
7	15704	1/6.	4.5
8	180	1/6.	5.5
9	17825	1/4.	-1.5
10	20000	1/2.	5

MCLA Equalization

Average EQ for Proto Unit #1 at Right and Unit #2 at Left

1-Oct-09

Note: values in **Bold** are calculated

3-Oct-09

GRAPHIC EQ SETTINGS

Frequency (Hz)	FLAT	Small Room X-Curve	X CURVE
	EQ SETTINGS	EQ SETTINGS	EQ SETTINGS
	(dB)	(dB)	(dB)
20	4.0	4.0	4.0
25	7.8	7.8	7.8
31.5	3.0	3.0	3.0
40	5.8	5.8	5.8
50	-1.3	-1.3	-1.3
63	-6.5	-6.5	-6.5
80	-8.3	-8.3	-8.3
100	-14.8	-14.8	-14.8
125	-10.0	-10.0	-10.0
160	-14.5	-14.5	-14.5
200	-15.0	-15.0	-15.0
250	-10.3	-10.3	-10.3
315	-9.8	-9.8	-9.8
400	-5.0	-5.0	-5.0
500	-7.0	-7.0	-7.0
630	-5.5	-5.5	-5.5
800	-7.3	-7.3	-7.3
1000	-4.8	-4.8	-4.8
1250	-4.3	-4.3	-4.3
1600	-3.5	-3.5	-3.5
2000	-3.0	-3.0	-3.0
2500	0.0	-0.5	-1.0
3150	-0.5	-1.5	-2.5
4000	2.3	0.8	-0.8
5000	3.8	1.8	-0.3
6300	2.8	0.3	-2.3
8000	10.8	7.8	4.8
10000	14.8	11.3	7.8
12500	10.3	6.3	2.3
16000	15.0	10.5	6.0
20000	15.0	10.0	5.0

X-CURVE ADJUSTMENTS

Small Room X-Curve (dB)	X-Curve (dB)
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
-0.5	-1
-1	-2
-1.5	-3
-2	-4
-2.5	-5
-3	-6
-3.5	-7
-4	-8
-4.5	-9
-5	-10

Note: the parametric EQ settings are common to all three graphic EQ setups.

Parametric Band	PARAMETRIC EQ SETTINGS		
	Freq (Hz)	BW (octaves)	Gain (dB)
1	35.6	1/4.	5
2	44.8	1/4.	-6.5
3	563	1/4.	4
4	8933	1/4.	-3.5
5	11246	1/4.	4.5
6			
7	15704	1/5.	3
8	180	1/5.	3.5
9	17825	1/5.	-2
10	20000	1/2.	4