emacoustics

# DSP Settings

Version 2, 14th June 2023

| Model | HPF | | LPF | | EQ 1 | | | EQ 2 | | | EQ 3 | | | Generic DSP Limiter | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Set for amplifier gain of 32dB | |
| | Freq | Type | Freq | Type | Freq | Q | Gain | Freq | Q | Gain | Freq | Q | Gain | Threshold | Overshoot/Peak |
| **i-Series** | | | | | | | | | | | | | | | |
| i-8 | 35 | Butt48 | 80 | LR48 | - | - | - | - | - | - | - | - | - | 0 | 3 |
| i-12 | 25 | Butt48 | 80 | LR48 | - | - | - | - | - | - | - | - | - | 6 | 3 |
| i-R12 | 35 | Butt48 | 90 | LR48 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| i-C12 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| i-C15 | 40 | Butt48 | - | - | - | - | - | - | - | - | - | - | - | 6 | 3 |
| **EMS Series** | | | | | | | | | | | | | | | |
| EMS-41 | 110 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 2 |
| EMS-51/EMS-51X | 75 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-61 | 70 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-81X | 65 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-101X | 60 | Butt24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-121X | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-126/122 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| EMS-129/122w | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| EMS-156 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 8 | 4 |
| EMS-159 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 8 | 4 |
| EMS-112 | 40 | Butt48 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| EMS-112 Active | 40 | Butt48 | 90 | LR24 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| EMS-115/115C | 35 | Butt48 | 90 | LR48 | - | - | - | - | - | - | - | - | - | 4 | 4 |
| EMS-215/215C | 30 | Butt48 | 90 | LR48 | - | - | - | - | - | - | - | - | - | 6 | 6 |
| EMS-118 | 35 | Butt48 | 90 | LR48 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| **Touring Series** | | | | | | | | | | | | | | | |
| MSE-118 (1 box) | 35 | Butt48 | 95 | But48 | - | - | - | - | - | - | - | - | - | 8 | 6 |
| MSE-118 (4 boxes +) | 30 | Butt48 | 95 | But48 | - | - | - | - | - | - | - | - | - | 12 | 6 |
| MSE-156 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 8 | 4 |
| MSE-159 | 50 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 8 | 4 |
| MSE-218 | 30 | Butt48 | 85 | LR48 | - | - | - | - | - | - | - | - | - | 12 | 6 |

emacoustics

# DSP Settings

Version 2, 14th June 2023

| Model | HPF | | LPF | | EQ 1 | | | EQ 2 | | | EQ 3 | | | Generic DSP Limiter (Set for amplifier gain of 32dB) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Freq | Type | Freq | Type | Freq | Q | Gain | Freq | Q | Gain | Freq | Q | Gain | Threshold | Overshoot/Peak |
| **Monitors** | | | | | | | | | | | | | | | |
| M10 | 60 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 |
| M12 | 60 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 |
| M-C12 | 60 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 |
| M-C15 | 45 | LR24 | - | - | 63 | 3 | 2 | 103 | 2.5 | -3 | 302 | 1.91 | -1.8 | 6 | 4 |
| **Halo Compact** | | | | | LOW SHELF EQ | | | STANDARD EQ | | | | | | | |
| | | | | | Freq | Slope | Gain | Freq | B/W | Gain | | | | | |
| Halo-CS | 35 | Butt48 | 85 | But48 | - | - | - | - | - | - | - | - | - | 8 | 6 |
| Halo Compact 1-2 boxes | 65 | LR24 | - | - | - | - | - | - | - | - | - | - | - | 0 | 4 |
| Halo Compact 3-4 boxes | 65 | LR24 | - | - | 855 | 12dB/Oct | -2 | 302 | 0.745 Oct | -2 | - | - | - | 0 | 4 |
| Halo Compact 5-8 boxes | 65 | LR24 | - | - | 1kHz | 12dB/Oct | -3 | 302 | 0.745 Oct | -3 | - | - | - | 0 | 4 |
| Halo Compact 9-12 boxes | 65 | LR24 | - | - | 1kHz | 12dB/Oct | -4 | 302 | 0.745 Oct | -3 | - | - | - | 0 | 4 |
| Halo Compact 13-16 boxes | 65 | LR24 | - | - | 1k2Hz | 12dB/Oct | -4 | 302 | 0.745 Oct | -4 | - | - | - | 0 | 4 |
| Halo Compact 17-24 boxes | 65 | LR24 | - | - | 1k2Hz | 12dB/Oct | -5 | 302 | 0.745 Oct | -4 | - | - | - | 0 | 4 |
| **Subwoofers** | | | | | | | | | | | | | | | |
| S-48 | 35 | Butt48 | 80 | LR48 | - | - | - | - | - | - | - | - | - | 0 | 3 |
| S-12 | 35 | Butt48 | 90 | LR24 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| S-15 | 35 | Butt48 | 90 | Butt24 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| S-18 | 30 | Butt48 | 100 | Butt24 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| S-215/ST-215 | 65 | LR24 | 80 | Butt24 | - | - | - | - | - | - | - | - | - | 0 | 4 |
| S-218/ST-218 | 30 | Butt48 | 85 | LR48 | - | - | - | - | - | - | - | - | - | 12 | 6 |