

# RX Series & FX Series Level 2 Settings for Symetrix Zone Mix Processors



| <i>tq</i> install.      | RX599-16 v1<br>HF/LF | RX699-16 v2 <sup>3</sup><br>HF/LF | RX699-70V v2 <sup>3</sup><br>HF/LF | FX896 v1<br>HF/LF | FX1295 v1<br>HF/LF |
|-------------------------|----------------------|-----------------------------------|------------------------------------|-------------------|--------------------|
| <b>GAIN<sup>1</sup></b> | -1.00 dB             | 0.50 dB                           | 0.50 dB                            | -1.00 dB          | 0.50 dB            |
| <b>DELAY</b>            | 0.000 ms             | 0.000 ms                          | 0.000 ms                           | 0.000 ms          | 0.000 ms           |
| <b>POLARITY</b>         | Normal               | Normal                            | Normal                             | Normal            | Normal             |
| <b>HPF<sup>2</sup></b>  |                      |                                   |                                    |                   |                    |
| <b>Freq</b>             | 75 Hz                | 70 Hz                             | 70 Hz                              | 70 Hz             | 70 Hz              |
| <b>Type</b>             | 24 dB Link/Rly       | 24 dB Link/Rly                    | 24 dB Link/Rly                     | 24 dB Link/Rly    | 24 dB Link/Rly     |
| <b>Res</b>              | 1.00                 | 1.00                              | 1.00                               | 1.00              | 1.00               |
| <b>LPF</b>              |                      |                                   |                                    |                   |                    |
| <b>Freq</b>             | Out                  | Out                               | Out                                | Out               | Out                |
| <b>Type</b>             |                      |                                   |                                    |                   |                    |
| <b>Res</b>              |                      |                                   |                                    |                   |                    |
| <b>PEQ 1</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 112 Hz               | 103 Hz                            | 103 Hz                             | 103 Hz            | 100 Hz             |
| <b>Gain</b>             | 4.50 dB              | 3.50 dB                           | 3.50 dB                            | 4.50 dB           | 6.00 dB            |
| <b>Q</b>                | 1.600                | 1.410                             | 1.410                              | 4.000             | 2.110              |
| <b>PEQ 2</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 579 Hz               | 1,122 Hz                          | 1,122 Hz                           | 365 Hz            | 194 Hz             |
| <b>Gain</b>             | 2.00 dB              | -5.00 dB                          | -5.00 dB                           | 3.50 dB           | -3.00 dB           |
| <b>Q</b>                | 0.800                | 3.000                             | 3.000                              | 0.800             | 1.730              |
| <b>PEQ 3</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 1,540 Hz             | 2,738 Hz                          | 2,738 Hz                           | 1,778 Hz          | 2,175 Hz           |
| <b>Gain</b>             | -5.00 dB             | -8.50 dB                          | -8.50 dB                           | -5.00 dB          | -5.50 dB           |
| <b>Q</b>                | 5.000                | 2.900                             | 2.800                              | 6.100             | 1.090              |
| <b>PEQ 4</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 2,661 Hz             | 2,738 Hz                          | 2,738 Hz                           | 4,597 Hz          | 3,868 Hz           |
| <b>Gain</b>             | -3.50 dB             | 3.00 dB                           | 3.00 dB                            | -11.50 dB         | -9.00 dB           |
| <b>Q</b>                | 4.000                | 6.000                             | 6.000                              | 1.100             | 1.750              |
| <b>PEQ 5</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 3,652 Hz             | 7,079 Hz                          | 7,079 Hz                           | 8,660 Hz          | 6,879 Hz           |
| <b>Gain</b>             | -7.50 dB             | -15.00 dB                         | -16.00 dB                          | -6.50 dB          | -5.50 dB           |
| <b>Q</b>                | 4.000                | 0.590                             | 0.550                              | 2.000             | 0.930              |
| <b>PEQ 6</b>            |                      |                                   |                                    |                   |                    |
| <b>Shape</b>            | PEQ                  | PEQ                               | PEQ                                | PEQ               | PEQ                |
| <b>Freq</b>             | 8,660 Hz             | 16,788 Hz                         | 16,788 Hz                          | 17,278 Hz         | 13,335 Hz          |
| <b>Gain</b>             | -15.00 dB            | -8.00 dB                          | -8.00 dB                           | 5.00 dB           | 4.00 dB            |
| <b>Q</b>                | 1.150                | 1.450                             | 1.350                              | 2.500             | 1.800              |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> Use -16 setting for 16 ohm operation, -70V setting for 70 volt operation.

## GX Series Level 2 Settings for Symetrix Zone Mix Processors



| <i>tq</i> install.      | GX1226 v1<br>HF/LF | GX1265 v2<br>HF/LF | GX1277 v1<br>HF/LF | GX1295 v1<br>HF/LF | GX1526 v1<br>HF/LF | GX1565 v1<br>HF/LF | GX1577 v1<br>HF/LF | GX1595 v1<br>HF/LF |
|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>GAIN<sup>1</sup></b> | 2.00 dB            | 0.00 dB            | 1.50 dB            | 2.00 dB            | 2.50 dB            | 0.50 dB            | -0.50 dB           | 2.50 dB            |
| <b>DELAY</b>            | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           |
| <b>POLARITY</b>         | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             |
| <b>HPF<sup>2</sup></b>  | 45 Hz              | 45 Hz              | 45 Hz              | 45 Hz              | 40 Hz              | 40 Hz              | 40 Hz              | 40 Hz              |
| <b>Freq</b>             | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     |
| <b>Type</b>             | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               |
| <b>Res</b>              | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out                |
| <b>LPF</b>              | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out                |
| <b>PEQ 1</b>            | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                |
| <b>Shape</b>            | 63 Hz              | 60 Hz              | 63 Hz              | 63 Hz              | 50 Hz              | 61 Hz              | 63 Hz              | 133 Hz             |
| <b>Freq</b>             | 3.00 dB            | 4.50 dB            | 3.00 dB            | 2.00 dB            | 4.00 dB            | 2.00 dB            | 3.00 dB            | -1.50 dB           |
| <b>Gain</b>             | 1.650              | 1.100              | 1.500              | 1.600              | 2.000              | 1.800              | 1.600              | 1.000              |
| <b>Q</b>                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                |
| <b>PEQ 2</b>            | 137 Hz             | 145 Hz             | 137 Hz             | 137 Hz             | 106 Hz             | 290 Hz             | 290 Hz             | 473 Hz             |
| <b>Freq</b>             | -2.50 dB           | -1.50 dB           | -2.00 dB           | -2.00 dB           | -3.00 dB           | 1.50 dB            | 3.00 dB            | -1.50 dB           |
| <b>Gain</b>             | 1.400              | 2.200              | 1.900              | 1.400              | 1.300              | 2.000              | 1.300              | 5.000              |
| <b>Q</b>                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                |
| <b>PEQ 3</b>            | 1,029 Hz           | 2,371 Hz           | 1,189 Hz           | 1,189 Hz           | 944 Hz             | 1,496 Hz           | 1,000 Hz           | 1,029 Hz           |
| <b>Freq</b>             | -4.00 dB           | 3.00 dB            | -6.50 dB           | -4.50 dB           | -6.50 dB           | -3.00 dB           | 1.50 dB            | 4.00 dB            |
| <b>Gain</b>             | 1.850              | 6.000              | 1.900              | 2.300              | 2.450              | 1.650              | 6.100              | 7.000              |
| <b>Q</b>                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | Parametric         |
| <b>PEQ 4</b>            | 1,995 Hz           | 3,868 Hz           | 1,995 Hz           | 2,239 Hz           | 1,679 Hz           | 2,738 Hz           | 1,778 Hz           | 1,223 Hz           |
| <b>Freq</b>             | -6.50 dB           | -8.50 dB           | -7.50 dB           | -7.00 dB           | -9.00 dB           | -3.50 dB           | -5.50 dB           | -4.00 dB           |
| <b>Gain</b>             | 5.500              | 1.900              | 5.600              | 1.200              | 4.900              | 2.700              | 4.000              | 7.000              |
| <b>Q</b>                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                |
| <b>PEQ 5</b>            | 2,512 Hz           | 5,623 Hz           | 3,868 Hz           | 4,097 Hz           | 1,884 Hz           | 4,217 Hz           | 2,239 Hz           | 1,830 Hz           |
| <b>Freq</b>             | 5.00 dB            | -6.50 dB           | -13.00 dB          | -12.00 dB          | 3.00 dB            | -9.50 dB           | 2.50 dB            | -7.00 dB           |
| <b>Gain</b>             | 6.800              | 2.250              | 1.250              | 2.100              | 5.000              | 3.000              | 5.400              | 5.000              |
| <b>Q</b>                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                |
| <b>PEQ 6</b>            | 4,097 Hz           | 8,175 Hz           | 6,494 Hz           | 7,718 Hz           | 3,981 Hz           | 7,718 Hz           | 4,467 Hz           | 4,340 Hz           |
| <b>Freq</b>             | -12.50 dB          | -10.50 dB          | -5.50 dB           | -9.00 dB           | -14.00 dB          | -9.00 dB           | -11.00 dB          | -14.50 dB          |
| <b>Gain</b>             | 0.650              | 1.500              | 2.000              | 0.900              | 0.900              | 0.900              | 1.200              | 0.650              |
| <b>Q</b>                |                    |                    |                    |                    |                    |                    |                    |                    |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

# CX Series & DX896 Level 2 Settings for Symetrix Zone Mix Processors



| <i>tq</i> install.      | CX896 v5<br>HF/LF | CX1226 v1<br>HF/LF | CX1265 v4<br>HF/LF | CX1277 v1<br>HF/LF | CX1295 v4<br>HF/LF | CX1526 v1<br>HF/LF | CX1565 v4<br>HF/LF | CX1577 v1<br>HF/LF | CX1595 v4<br>HF/LF | DX896 v2<br>HF/LF |
|-------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| <b>GAIN<sup>1</sup></b> | 2.00 dB           | 0.00 dB            | 0.00 dB            | 0.00 dB            | 0.00 dB            | -1.00 dB           | 0.00 dB            | 0.00 dB            | 0.00 dB            | -1.00 dB          |
| <b>DELAY</b>            | 0.000 ms          | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms           | 0.000 ms          |
| <b>POLARITY</b>         | Normal            | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             | Normal             | Normal            |
| <b>HPF<sup>2</sup></b>  | 70 Hz             | 65 Hz              | 65 Hz              | 65 Hz              | 65 Hz              | 50 Hz              | 50 Hz              | 50 Hz              | 50 Hz              | 60 Hz             |
| <b>Freq</b>             | 24 dB Link/Rly    | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly     | 24 dB Link/Rly    |
| <b>Type</b>             | 1.00              | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00              |
| <b>Res</b>              | Out               | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out               |
| <b>LPF</b>              | Out               | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out               |
| <b>Freq</b>             | Out               | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out                | Out               |
| <b>Type</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Res</b>              | 122 Hz            | 89 Hz              | 84 Hz              | 92 Hz              | 84 Hz              | 60 Hz              | 63 Hz              | 61 Hz              | 63 Hz              | 77 Hz             |
| <b>Shape</b>            | 5.50 dB           | 6.50 dB            | 6.00 dB            | 5.00 dB            | 6.50 dB            | 7.00 dB            | 6.00 dB            | 6.50 dB            | 6.00 dB            | 3.50 dB           |
| <b>Freq</b>             | 1.370             | 0.720              | 0.900              | 0.980              | 1.250              | 0.800              | 1.500              | 1.400              | 1.250              | 1.030             |
| <b>Gain</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Q</b>                | 316 Hz            | 1,122 Hz           | 613 Hz             | 1,334 Hz           | 516 Hz             | 1,454 Hz           | 335 Hz             | 398 Hz             | 487 Hz             | 944 Hz            |
| <b>Shape</b>            | 2.00 dB           | -5.50 dB           | -3.00 dB           | -9.00 dB           | -1.00 dB           | -8.50 dB           | 1.00 dB            | 2.50 dB            | -1.00 dB           | -2.00 dB          |
| <b>Freq</b>             | 2.000             | 2.630              | 1.190              | 1.400              | 3.000              | 3.400              | 2.440              | 3.300              | 0.250              | 4.000             |
| <b>Gain</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Q</b>                | 1,884 Hz          | 1,995 Hz           | 1,155 Hz           | 2,738 Hz           | 1,189 Hz           | 2,175 Hz           | 794 Hz             | 1,000 Hz           | 1,334 Hz           | 1,830 Hz          |
| <b>Shape</b>            | -7.50 dB          | -7.50 dB           | -5.50 dB           | -3.50 dB           | -2.50 dB           | 6.50 dB            | -2.50 dB           | 4.00 dB            | -4.50 dB           | -4.50 dB          |
| <b>Freq</b>             | 4.400             | 4.700              | 6.130              | 2.420              | 2.800              | 5.250              | 0.370              | 6.400              | 5.300              | 4.730             |
| <b>Gain</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Q</b>                | 3,073 Hz          | 3,073 Hz           | 1,939 Hz           | 4,097 Hz           | 2,239 Hz           | 3,073 Hz           | 4,217 Hz           | 1,223 Hz           | 1,830 Hz           | 5,012 Hz          |
| <b>Shape</b>            | -2.50 dB          | -8.50 dB           | -5.00 dB           | -12.00 dB          | -7.00 dB           | -7.00 dB           | -8.00 dB           | -3.50 dB           | -4.00 dB           | -11.50 dB         |
| <b>Freq</b>             | 5.500             | 3.000              | 8.000              | 1.380              | 1.600              | 0.850              | 2.200              | 1.300              | 4.000              | 0.950             |
| <b>Gain</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Q</b>                | 4,732 Hz          | 4,597 Hz           | 4,097 Hz           | 7,079 Hz           | 4,340 Hz           | 4,467 Hz           | 7,499 Hz           | 1,830 Hz           | 4,467 Hz           | 9,173 Hz          |
| <b>Shape</b>            | -14.00 dB         | -10.00 dB          | -9.00 dB           | -4.50 dB           | -12.00 dB          | -6.00 dB           | -11.00 dB          | -5.50 dB           | -12.00 dB          | -4.00 dB          |
| <b>Freq</b>             | 0.750             | 1.800              | 1.670              | 3.650              | 1.280              | 5.500              | 1.450              | 5.350              | 0.550              | 4.800             |
| <b>Gain</b>             | PEQ               | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ                | PEQ               |
| <b>Q</b>                | 8,660 Hz          | 7,286 Hz           | 8,175 Hz           | 14,962 Hz          | 7,943 Hz           | 7,286 Hz           | 13,725 Hz          | 4,467 Hz           | 12,957 Hz          | 17,278 Hz         |
| <b>Shape</b>            | -6.00 dB          | -7.00 dB           | -12.00 dB          | -4.50 dB           | -7.50 dB           | -2.50 dB           | 2.00 dB            | -12.50 dB          | 4.50 dB            | 3.00 dB           |
| <b>Freq</b>             | 2.000             | 3.700              | 0.820              | 2.350              | 1.850              | 4.300              | 2.500              | 1.000              | 2.650              | 1.200             |
| <b>Gain</b>             |                   |                    |                    |                    |                    |                    |                    |                    |                    |                   |
| <b>Q</b>                |                   |                    |                    |                    |                    |                    |                    |                    |                    |                   |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the HF/LF high pass filter to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

# DX12 Series Level 2 Settings for Symetrix Zone Mix Processors



| tq <sub>install</sub>   | DX1226 v1                     |                | DX1226 ROT v1 <sup>3</sup> |                | DX1226fp v1    | DX1265 v5      |                | DX1265 ROT v5 <sup>3</sup> |                | DX1265fp v1        |
|-------------------------|-------------------------------|----------------|----------------------------|----------------|----------------|----------------|----------------|----------------------------|----------------|--------------------|
|                         | LF                            | HF/LF          | LF                         | HF/LF          | HF/LF          | LF             | HF/LF          | LF                         | HF/LF          | HF/LF              |
| <b>GAIN<sup>1</sup></b> | -1.00 dB                      | 0.00 dB        | -2.50 dB                   | 0.00 dB        | 0.00 dB        | -2.00 dB       | 1.50 dB        | -2.00 dB                   | 1.50 dB        |                    |
| <b>DELAY</b>            | 0.000 ms                      | 0.458 ms       | 0.000 ms                   | 0.771 ms       | 0.000 ms       | 0.000 ms       | 0.354 ms       | 0.000 ms                   | 0.500 ms       |                    |
| <b>POLARITY</b>         | Normal                        | Normal         | Normal                     | Normal         | Normal         | Normal         | Normal         | Normal                     | Normal         |                    |
| <b>HPF<sup>2</sup></b>  | <b>Freq</b><br>45 Hz          | 45 Hz          | 45 Hz                      | 45 Hz          | 45 Hz          | 45 Hz          | 45 Hz          | 45 Hz                      | 45 Hz          | <i>Coming soon</i> |
|                         | <b>Type</b><br>24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly |                    |
|                         | <b>Res</b><br>1.00            | 1.00           | 1.00                       | 1.00           | 1.00           | 1.00           | 1.00           | 1.00                       | 1.00           |                    |
| <b>LPF</b>              | <b>Freq</b><br>447 Hz         | Out            | 422 Hz                     | Out            | Out            | 546 Hz         | Out            | 546 Hz                     | Out            |                    |
|                         | <b>Type</b><br>24 dB Bessel   |                | 24 dB Btrwth               |                |                | 24 dB Bessel   |                | 24 dB Bessel               |                |                    |
|                         | <b>Res</b><br>1.00            |                | 1.00                       |                |                |                |                |                            |                |                    |
| <b>PEQ 1</b>            | <b>Shape</b>                  | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |                    |
|                         | <b>Freq</b>                   | 49 Hz          | 69 Hz                      | 50 Hz          | 69 Hz          | 61 Hz          | 56 Hz          | 73 Hz                      | 56 Hz          | 73 Hz              |
|                         | <b>Gain</b>                   | 7.50 dB        | 4.50 dB                    | 8.00 dB        | 4.50 dB        | 7.00 dB        | 6.50 dB        | 4.50 dB                    | 6.50 dB        | 4.50 dB            |
|                         | <b>Q</b>                      | 0.750          | 1.700                      | 0.700          | 1.700          | 1.100          | 1.000          | 1.300                      | 1.000          | 1.300              |
| <b>PEQ 2</b>            | <b>Shape</b>                  | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |                    |
|                         | <b>Freq</b>                   | 133 Hz         | 274 Hz                     | 133 Hz         | 274 Hz         | 299 Hz         | 89 Hz          | 290 Hz                     | 89 Hz          | 290 Hz             |
|                         | <b>Gain</b>                   | -1.00 dB       | -4.00 dB                   | -1.00 dB       | -3.50 dB       | -2.00 dB       | 1.00 dB        | -8.00 dB                   | 1.00 dB        | -8.00 dB           |
|                         | <b>Q</b>                      | 1.200          | 0.850                      | 1.200          | 1.200          | 0.500          | 1.180          | 0.350                      | 1.180          | 0.350              |
| <b>PEQ 3</b>            | <b>Shape</b>                  | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |                    |
|                         | <b>Freq</b>                   | 398 Hz         | 2,371 Hz                   | 398 Hz         | 2,512 Hz       | 1,939 Hz       | 410 Hz         | 1,939 Hz                   | 410 Hz         | 1,939 Hz           |
|                         | <b>Gain</b>                   | -5.50 dB       | -12.00 dB                  | -7.50 dB       | -12.00 dB      | -5.50 dB       | -3.50 dB       | -2.50 dB                   | -3.50 dB       | -2.50 dB           |
|                         | <b>Q</b>                      | 0.800          | 0.850                      | 0.900          | 0.850          | 5.500          | 0.970          | 1.800                      | 0.970          | 1.700              |
| <b>PEQ 4</b>            | <b>Shape</b>                  |                | PEQ                        |                | PEQ            |                | PEQ            |                            | PEQ            |                    |
|                         | <b>Freq</b>                   |                | 2,441 Hz                   |                | 2,441 Hz       |                | 2,738 Hz       |                            | 2,738 Hz       |                    |
|                         | <b>Gain</b>                   |                | 8.50 dB                    |                | 8.50 dB        |                | -8.50 dB       |                            | -8.50 dB       |                    |
|                         | <b>Q</b>                      |                | 4.000                      |                | 4.000          |                | 1.420          |                            | 1.420          |                    |
| <b>PEQ 5</b>            | <b>Shape</b>                  |                | PEQ                        |                | PEQ            |                | PEQ            |                            | PEQ            |                    |
|                         | <b>Freq</b>                   |                | 4,097 Hz                   |                | 4,097 Hz       |                | 3,758 Hz       |                            | 3,758 Hz       |                    |
|                         | <b>Gain</b>                   |                | -5.50 dB                   |                | -4.00 dB       |                | -8.50 dB       |                            | -9.00 dB       |                    |
|                         | <b>Q</b>                      |                | 2.600                      |                | 2.600          |                | 1.200          |                            | 1.200          |                    |
| <b>PEQ 6</b>            | <b>Shape</b>                  |                | PEQ                        |                | PEQ            |                | PEQ            |                            | PEQ            |                    |
|                         | <b>Freq</b>                   |                | 7,286 Hz                   |                | 7,286 Hz       |                | 8,175 Hz       |                            | 8,175 Hz       |                    |
|                         | <b>Gain</b>                   |                | -5.00 dB                   |                | -4.00 dB       |                | -11.00 dB      |                            | -11.00 dB      |                    |
|                         | <b>Q</b>                      |                | 1.550                      |                | 1.450          |                | 0.870          |                            | 0.850          |                    |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> Use when coax is rotated 90 degrees.

# DX12 Series Level 2 Settings for Symetrix Zone Mix Processors



| tq <sub>install</sub>   | DX1277 v2                     |                | DX1277fp v1        | DX1295 v6      |                | DX1295 ROT v6 <sup>3</sup> |                | DX1295fp v1    |                |
|-------------------------|-------------------------------|----------------|--------------------|----------------|----------------|----------------------------|----------------|----------------|----------------|
|                         | LF                            | HF/LF          | HF/LF              | LF             | HF/LF          | LF                         | HF/LF          | HF/LF          |                |
| <b>GAIN<sup>1</sup></b> | -2.50 dB                      | 0.00 dB        |                    | 0.00 dB        | 1.50 dB        | 0.00 dB                    | 1.50 dB        | 0.00 dB        |                |
| <b>DELAY</b>            | 0.000 ms                      | 0.333 ms       |                    | 0.000 ms       | 0.354 ms       | 0.000 ms                   | 0.646 ms       | 0.000 ms       |                |
| <b>POLARITY</b>         | Normal                        | Normal         |                    | Normal         | Normal         | Normal                     | Normal         | Normal         |                |
| <b>HPF<sup>2</sup></b>  | <b>Freq</b><br>45 Hz          | 45 Hz          | <i>Coming soon</i> | 45 Hz          | 45 Hz          | 45 Hz                      | 45 Hz          | 45 Hz          |                |
|                         | <b>Type</b><br>24 dB Link/Rly | 24 dB Link/Rly |                    | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly |
|                         | <b>Res</b><br>1.00            | 1.00           |                    | 1.00           | 1.00           | 1.00                       | 1.00           | 1.00           |                |
| <b>LPF</b>              | <b>Freq</b><br>501 Hz         | Out            |                    | 546 Hz         | Out            | 376 Hz                     | Out            | Out            |                |
|                         | <b>Type</b><br>24 dB Bessel   |                |                    | 24 dB Bessel   |                | 24 dB Bessel               |                |                |                |
|                         | <b>Res</b><br>1.00            |                |                    | 1.00           |                | 1.00                       |                |                |                |
| <b>PEQ 1</b>            | <b>Shape</b>                  | PEQ            |                    | PEQ            | PEQ            | PEQ                        | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   | 60 Hz          |                    | 50 Hz          | 73 Hz          | 50 Hz                      | 73 Hz          | 61 Hz          |                |
|                         | <b>Gain</b>                   | 6.50 dB        |                    | 5.50 dB        | 4.50 dB        | 5.50 dB                    | 4.50 dB        | 7.50 dB        |                |
|                         | <b>Q</b>                      | 0.800          |                    | 0.920          | 1.450          | 0.920                      | 1.450          | 1.050          |                |
| <b>PEQ 2</b>            | <b>Shape</b>                  | PEQ            |                    | PEQ            | PEQ            | PEQ                        | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   | 133 Hz         |                    | 133 Hz         | 290 Hz         | 133 Hz                     | 290 Hz         | 259 Hz         |                |
|                         | <b>Gain</b>                   | -1.00 dB       |                    | -1.00 dB       | -8.00 dB       | -1.00 dB                   | -8.00 dB       | -2.50 dB       |                |
|                         | <b>Q</b>                      | 1.200          |                    | 1.180          | 0.400          | 1.180                      | 0.400          | 0.350          |                |
| <b>PEQ 3</b>            | <b>Shape</b>                  | PEQ            |                    | PEQ            | PEQ            | PEQ                        | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   | 376 Hz         |                    | 422 Hz         | 891 Hz         | 365 Hz                     | 668 Hz         | 972 Hz         |                |
|                         | <b>Gain</b>                   | -3.00 dB       |                    | -4.00 dB       | 4.00 dB        | -3.00 dB                   | 6.00 dB        | 6.50 dB        |                |
|                         | <b>Q</b>                      | 1.000          |                    | 0.970          | 1.700          | 0.970                      | 2.000          | 1.800          |                |
| <b>PEQ 4</b>            | <b>Shape</b>                  |                |                    | PEQ            | PEQ            | PEQ                        | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   |                |                    | 2,371 Hz       | 1,939 Hz       | 2,738 Hz                   | 1,679 Hz       | 2,512 Hz       |                |
|                         | <b>Gain</b>                   |                |                    | 3.00 dB        | -7.00 dB       | -8.50 dB                   | -6.50 dB       | -7.50 dB       |                |
|                         | <b>Q</b>                      |                |                    | 6.000          | 0.830          | 1.420                      | 1.600          | 0.500          |                |
| <b>PEQ 5</b>            | <b>Shape</b>                  |                |                    |                | PEQ            |                            | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   |                |                    |                | 4,097 Hz       |                            | 4,217 Hz       | 4,217 Hz       |                |
|                         | <b>Gain</b>                   |                |                    |                | -11.00 dB      |                            | -13.50 dB      | -7.50 dB       |                |
|                         | <b>Q</b>                      |                |                    |                | 1.750          |                            | 1.150          | 4.800          |                |
| <b>PEQ 6</b>            | <b>Shape</b>                  |                |                    |                | PEQ            |                            | PEQ            | PEQ            |                |
|                         | <b>Freq</b>                   |                |                    |                | 10,593 Hz      |                            | 8,175 Hz       | 7,499 Hz       |                |
|                         | <b>Gain</b>                   |                |                    |                | 3.50 dB        |                            | -6.00 dB       | -5.00 dB       |                |
|                         | <b>Q</b>                      |                |                    |                | 3.000          |                            | 1.450          | 1.650          |                |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> Use when coax is rotated 90 degrees.

# DX15 Series Level 2 Settings for Symetrix Zone Mix Processors



| tq <sub>install</sub>   | DX1526 v1    |                | DX1526 ROT v1 <sup>3</sup> |                | DX1565 v5      |                | DX1565 ROT v5 <sup>3</sup> |                |
|-------------------------|--------------|----------------|----------------------------|----------------|----------------|----------------|----------------------------|----------------|
|                         | LF           | HF/LF          | LF                         | HF/LF          | LF             | HF/LF          | LF                         | HF/LF          |
| <b>GAIN<sup>1</sup></b> | 0.00 dB      | 0.50 dB        | 0.00 dB                    | 0.50 dB        | 0.00 dB        | -1.50 dB       | 0.00 dB                    | -1.50 dB       |
| <b>DELAY</b>            | 0.000 ms     | 0.750 ms       | 0.000 ms                   | 0.958 ms       | 0.000 ms       | 0.750 ms       | 0.000 ms                   | 0.750 ms       |
| <b>POLARITY</b>         | Normal       | Normal         | Normal                     | Normal         | Normal         | Normal         | Normal                     | Normal         |
| <b>HPF<sup>2</sup></b>  | <b>Freq</b>  | 38 Hz          | 38 Hz                      | 38 Hz          | 38 Hz          | 38 Hz          | 38 Hz                      | 38 Hz          |
|                         | <b>Type</b>  | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly |
|                         | <b>Res</b>   | 1.00           | 1.00                       | 1.00           | 1.00           | 1.00           | 1.00                       | 1.00           |
| <b>LPF</b>              | <b>Freq</b>  | 398 Hz         | Out                        | 299 Hz         | Out            | 387 Hz         | Out                        | 387 Hz         |
|                         | <b>Type</b>  | 24 dB Bessel   |                            | 24 dB Bessel   |                | 24 dB Bessel   |                            | 24 dB Bessel   |
|                         | <b>Res</b>   | 1.00           |                            | 1.00           |                | 1.00           |                            | 1.00           |
| <b>PEQ 1</b>            | <b>Shape</b> | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 43 Hz          | 53 Hz                      | 43 Hz          | 53 Hz          | 43 Hz          | 52 Hz                      | 43 Hz          |
|                         | <b>Gain</b>  | 6.50 dB        | 6.50 dB                    | 6.50 dB        | 7.00 dB        | 6.50 dB        | 7.00 dB                    | 6.50 dB        |
|                         | <b>Q</b>     | 0.950          | 1.100                      | 0.950          | 1.050          | 0.920          | 1.250                      | 0.920          |
| <b>PEQ 2</b>            | <b>Shape</b> | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 126 Hz         | 188 Hz                     | 126 Hz         | 163 Hz         | 168 Hz         | 163 Hz                     | 141 Hz         |
|                         | <b>Gain</b>  | -1.00 dB       | -9.50 dB                   | -1.00 dB       | -8.00 dB       | -1.00 dB       | -6.50 dB                   | -1.00 dB       |
|                         | <b>Q</b>     | 2.000          | 0.430                      | 2.000          | 0.500          | 1.190          | 1.270                      | 2.400          |
| <b>PEQ 3</b>            | <b>Shape</b> | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 387 Hz         | 1,059 Hz                   | 387 Hz         | 1,059 Hz       | 325 Hz         | 335 Hz                     | 325 Hz         |
|                         | <b>Gain</b>  | -4.50 dB       | -3.00 dB                   | -4.50 dB       | -3.50 dB       | -2.00 dB       | -5.50 dB                   | -3.50 dB       |
|                         | <b>Q</b>     | 1.600          | 5.000                      | 1.600          | 8.200          | 1.060          | 0.970                      | 1.060          |
| <b>PEQ 4</b>            | <b>Shape</b> | PEQ            | PEQ                        | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 1,778 Hz       | 1,585 Hz                   | 1,778 Hz       | 1,585 Hz       | 1,334 Hz       | 2,239 Hz                   | 1,334 Hz       |
|                         | <b>Gain</b>  | -4.00 dB       | -10.00 dB                  | -4.00 dB       | -10.00 dB      | 3.50 dB        | -2.50 dB                   | 3.50 dB        |
|                         | <b>Q</b>     | 2.500          | 4.000                      | 2.500          | 4.000          | 2.000          | 3.350                      | 2.000          |
| <b>PEQ 5</b>            | <b>Shape</b> |                | PEQ                        |                | PEQ            |                | PEQ                        |                |
|                         | <b>Freq</b>  |                | 2,113 Hz                   |                | 2,113 Hz       |                | 4,870 Hz                   |                |
|                         | <b>Gain</b>  |                | 6.00 dB                    |                | 6.00 dB        |                | -10.50 dB                  |                |
|                         | <b>Q</b>     |                | 3.200                      |                | 3.200          |                | 1.400                      |                |
| <b>PEQ 6</b>            | <b>Shape</b> |                | PEQ                        |                | PEQ            |                | PEQ                        |                |
|                         | <b>Freq</b>  |                | 3,758 Hz                   |                | 3,758 Hz       |                | 8,175 Hz                   |                |
|                         | <b>Gain</b>  |                | -12.00 dB                  |                | -12.00 dB      |                | -8.50 dB                   |                |
|                         | <b>Q</b>     |                | 0.700                      |                | 0.700          |                | 2.750                      |                |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> Use when coax is rotated 90 degrees.

## DX15 Series Level 2 Settings for Symetrix Zone Mix Processors



| tq <sub>install</sub>   | DX1577 v1    |                | DX1595 v5      |                | DX1595 ROT v5 <sup>3</sup> |                |
|-------------------------|--------------|----------------|----------------|----------------|----------------------------|----------------|
|                         | LF           | HF/LF          | LF             | HF/LF          | LF                         | HF/LF          |
| <b>GAIN<sup>1</sup></b> | 0.00 dB      | -2.50 dB       | -1.00 dB       | 0.00 dB        | 0.00 dB                    | 0.00 dB        |
| <b>DELAY</b>            | 0.000 ms     | 1.000 ms       | 0.000 ms       | 0.604 ms       | 0.000 ms                   | 0.875 ms       |
| <b>POLARITY</b>         | Normal       | Normal         | Normal         | Normal         | Normal                     | Normal         |
| <b>HPF<sup>2</sup></b>  | <b>Freq</b>  | 38 Hz          | 38 Hz          | 38 Hz          | 38 Hz                      | 38 Hz          |
|                         | <b>Type</b>  | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly             | 24 dB Link/Rly |
|                         | <b>Res</b>   | 1.00           | 1.00           | 1.00           | 1.00                       | 1.00           |
| <b>LPF</b>              | <b>Freq</b>  | 376 Hz         | Out            | 387 Hz         | Out                        | 335 Hz         |
|                         | <b>Type</b>  | 24 dB Bessel   |                | 24 dB Bessel   |                            | 24 dB Bessel   |
|                         |              | 1.00           |                | 1.00           |                            | 1.00           |
| <b>PEQ 1</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 43 Hz          | 52 Hz          | 47 Hz          | 58 Hz                      | 49 Hz          |
|                         | <b>Gain</b>  | 6.50 dB        | 7.00 dB        | 6.50 dB        | 5.50 dB                    | 4.00 dB        |
|                         | <b>Q</b>     | 0.900          | 1.050          | 0.920          | 1.450                      | 0.920          |
| <b>PEQ 2</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 126 Hz         | 194 Hz         | 133 Hz         | 188 Hz                     | 145 Hz         |
|                         | <b>Gain</b>  | -1.00 dB       | -7.50 dB       | -0.50 dB       | -10.00 dB                  | -1.50 dB       |
|                         | <b>Q</b>     | 2.000          | 0.750          | 1.500          | 0.550                      | 1.500          |
| <b>PEQ 3</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  | 376 Hz         | 972 Hz         | 355 Hz         | 1,029 Hz                   | 335 Hz         |
|                         | <b>Gain</b>  | -3.00 dB       | 3.00 dB        | -2.50 dB       | 4.50 dB                    | -3.50 dB       |
|                         | <b>Q</b>     | 1.600          | 6.000          | 1.590          | 6.000                      | 1.590          |
| <b>PEQ 4</b>            | <b>Shape</b> |                | PEQ            | PEQ            | PEQ                        | PEQ            |
|                         | <b>Freq</b>  |                | 1,296 Hz       | 1,334 Hz       | 1,830 Hz                   | 1,334 Hz       |
|                         | <b>Gain</b>  |                | -3.50 dB       | 3.50 dB        | -4.00 dB                   | 3.50 dB        |
|                         | <b>Q</b>     |                | 6.000          | 2.000          | 1.680                      | 2.000          |
| <b>PEQ 5</b>            | <b>Shape</b> |                | PEQ            |                | PEQ                        |                |
|                         | <b>Freq</b>  |                | 1,778 Hz       |                | 4,217 Hz                   |                |
|                         | <b>Gain</b>  |                | -9.50 dB       |                | -11.50 dB                  |                |
|                         | <b>Q</b>     |                | 7.000          |                | 0.580                      |                |
| <b>PEQ 6</b>            | <b>Shape</b> |                | PEQ            |                | PEQ                        |                |
|                         | <b>Freq</b>  |                | 4,467 Hz       |                | 15,399 Hz                  |                |
|                         | <b>Gain</b>  |                | -9.00 dB       |                | 2.00 dB                    |                |
|                         | <b>Q</b>     |                | 1.200          |                | 1.500                      |                |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> Use when coax is rotated 90 degrees.

# Prophile Series Level 2 Settings for Symetrix Zone Mix Processors



| prophile™               | P v4         |                | S v5           |                | M v6           |                | L v2           |                | XL v6 [CLUB] <sup>3</sup> |                | XL v7 [FLAT] <sup>4</sup> |          |
|-------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------|----------------|---------------------------|----------|
|                         | HF/LF        | HF/LF          | LF             | HF/LF          | LF             | HF/LF          | LF             | HF/LF          | LF                        | HF             | LF                        | HF       |
| <b>GAIN<sup>1</sup></b> | 0.00 dB      | -1.00 dB       | 0.00 dB        | -5.00 dB       | 3.00 dB        | -6.00 dB       | 0.00 dB        | -2.00 dB       | 0.00 dB                   | -2.00 dB       | 0.00 dB                   | 0.00 dB  |
| <b>DELAY</b>            | 0.000 ms     | 0.000 ms       | 0.000 ms       | 0.542 ms       | 0.000 ms       | 0.854 ms       | 0.000 ms       | 4.979 ms       | 0.000 ms                  | 4.979 ms       | 0.000 ms                  | 4.979 ms |
| <b>POLARITY</b>         | Normal       | Normal         | Normal         | Normal         | Normal         | Normal         | Normal         | Normal         | Normal                    | Normal         | Normal                    | Normal   |
| <b>HPF<sup>2</sup></b>  | <b>Freq</b>  | 80 Hz          | 65 Hz          | 45 Hz          | 45 Hz          | 30 Hz          | 30 Hz          | 65 Hz          | 1,000 Hz                  | 65 Hz          | 1,000 Hz                  |          |
|                         | <b>Type</b>  | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Link/Rly | 24 dB Bessel              | 24 dB Link/Rly | Bes 24                    |          |
|                         | <b>Res</b>   | 1.00           | 1.00           | 1.00           | 1.00           | 1.00           | 1.00           | 1.00           | 1.00                      | 1.00           | 1.00                      | 1.00     |
| <b>LPF</b>              | <b>Freq</b>  | Out            | Out            | 447 Hz         | Out            | 376 Hz         | Out            | 1,000 Hz       | Out                       | 1,000 Hz       | Out                       |          |
|                         | <b>Type</b>  |                |                | 24 dB Bessel   |                | 24 dB Bessel   |                | 24 dB Bessel   |                           | 24 dB Bessel   |                           |          |
|                         |              |                |                | 1.00           |                | 1.00           |                | 1.00           |                           | 1.00           |                           |          |
| <b>PEQ 1</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 154 Hz         | 398 Hz         | 53 Hz          | 58 Hz          | 45 Hz          | 50 Hz          | 75 Hz          | 501 Hz                    | 75 Hz          | 501 Hz                    |          |
|                         | <b>Gain</b>  | 2.50 dB        | 3.00 dB        | 4.50 dB        | 3.50 dB        | 1.50 dB        | 7.50 dB        | 3.00 dB        | -5.00 dB                  | 3.00 dB        | -5.00 dB                  |          |
|                         | <b>Q</b>     | 0.940          | 1.250          | 1.410          | 0.940          | 0.420          | 0.780          | 1.880          | 3.760                     | 2.300          | 3.760                     |          |
| <b>PEQ 2</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 335 Hz         | 891 Hz         | 84 Hz          | 158 Hz         | 141 Hz         | 112 Hz         | 183 Hz         | 917 Hz                    | 183 Hz         | 917 Hz                    |          |
|                         | <b>Gain</b>  | 1.50 dB        | -5.50 dB       | 3.50 dB        | -3.50 dB       | -2.50 dB       | -4.00 dB       | -4.50 dB       | 6.00 dB                   | -5.00 dB       | 6.00 dB                   |          |
|                         | <b>Q</b>     | 1.670          | 1.410          | 1.880          | 1.120          | 1.300          | 0.330          | 3.350          | 2.440                     | 3.000          | 3.000                     |          |
| <b>PEQ 3</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 841 Hz         | 1,585 Hz       | 355 Hz         | 434 Hz         | 460 Hz         | 729 Hz         | 244 Hz         | 1,296 Hz                  | 282 Hz         | 1,296 Hz                  |          |
|                         | <b>Gain</b>  | -6.00 dB       | -6.50 dB       | -1.00 dB       | -3.50 dB       | -6.50 dB       | 3.50 dB        | -5.00 dB       | -2.50 dB                  | -5.50 dB       | -2.50 dB                  |          |
|                         | <b>Q</b>     | 2.000          | 1.900          | 0.500          | 2.400          | 1.000          | 2.400          | 1.030          | 1.300                     | 1.030          | 1.300                     |          |
| <b>PEQ 4</b>            | <b>Shape</b> | PEQ            | PEQ            | PEQ            | PEQ            |                | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 1,884 Hz       | 4,732 Hz       | 487 Hz         | 818 Hz         |                | 1,059 Hz       | 460 Hz         | 4,340 Hz                  | 447 Hz         | 4,340 Hz                  |          |
|                         | <b>Gain</b>  | -10.00 dB      | -8.50 dB       | -2.50 dB       | -4.00 dB       |                | 3.50 dB        | 3.00 dB        | -6.00 dB                  | 3.50 dB        | -6.50 dB                  |          |
|                         | <b>Q</b>     | 1.350          | 5.600          | 2.000          | 5.200          |                | 5.200          | 2.820          | 0.340                     | 2.820          | 0.340                     |          |
| <b>PEQ 5</b>            | <b>Shape</b> | PEQ            | PEQ            |                | PEQ            |                | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 4,870 Hz       | 8,414 Hz       |                | 1,939 Hz       |                | 2,054 Hz       | 841 Hz         | 9,716 Hz                  | 818 Hz         | 10,000 Hz                 |          |
|                         | <b>Gain</b>  | -8.50 dB       | -7.00 dB       |                | -5.00 dB       |                | -5.00 dB       | 6.00 dB        | 4.50 dB                   | 6.50 dB        | 5.50 dB                   |          |
|                         | <b>Q</b>     | 3.300          | 1.300          |                | 1.400          |                | 3.700          | 2.510          | 3.900                     | 1.800          | 3.500                     |          |
| <b>PEQ 6</b>            | <b>Shape</b> | PEQ            | PEQ            |                | PEQ            |                | PEQ            | PEQ            | PEQ                       | PEQ            | PEQ                       | PEQ      |
|                         | <b>Freq</b>  | 8,414 Hz       | 16,788 Hz      |                | 5,309 Hz       |                | 5,957 Hz       | 2,371 Hz       | 17,278 Hz                 | 2,371 Hz       | 17,278 Hz                 |          |
|                         | <b>Gain</b>  | -9.30 dB       | 4.00 dB        |                | -5.00 dB       |                | -3.50 dB       | -11.50 dB      | 9.50 dB                   | -11.50 dB      | 11.00 dB                  |          |
|                         | <b>Q</b>     | 1.300          | 1.250          |                | 0.500          |                | 1.800          | 2.800          | 1.050                     | 2.800          | 1.050                     |          |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> Change the LF *and* HF/LF high pass filters to LR 24 dB/Oct, 80 to 125 Hz to cross over into a subwoofer.

<sup>3</sup> "Club" tuning for EDM applications. Voicing is tilted down 1 dB per octave over the loudspeaker's operating range.

<sup>4</sup> "Flat" tuning for use in live sound reinforcement applications.



# FA & TS Series Level 2 Settings for Symetrix Zone Mix Processors



| <i>fa</i> PORTABLE      | FA28 v1<br>HF/LF | FA28-SM v1 <sup>3</sup><br>HF/LF | FA12 v2<br>HF/LF | FA12-SM v2 <sup>3</sup><br>HF/LF | FA15 v1<br>HF/LF | FA15-SM v1 <sup>3</sup><br>HF/LF | TS212 v1<br>VLF | TS215 v2<br>VLF | TS221 v1<br>VLF |
|-------------------------|------------------|----------------------------------|------------------|----------------------------------|------------------|----------------------------------|-----------------|-----------------|-----------------|
| <b>GAIN<sup>1</sup></b> | 0.00 dB          | -1.50 dB                         | -1.50 dB         | -1.50 dB                         | 0.00 dB          | 0.00 dB                          | 4.00 dB         | 0.50 dB         | 1.50 dB         |
| <b>DELAY</b>            | 0.000 ms         | 0.000 ms                         | 0.000 ms         | 0.000 ms                         | 0.000 ms         | 0.000 ms                         | 0.000 ms        | 0.000 ms        | 0.000 ms        |
| <b>POLARITY</b>         | Normal           | Normal                           | Normal           | Normal                           | Normal           | Normal                           | Normal          | Normal          | Normal          |
| <b>HPF<sup>2</sup></b>  | 40 Hz            | 40 Hz                            | 42 Hz            | 42 Hz                            | 32 Hz            | 32 Hz                            | 30 Hz           | 31 Hz           | 24 Hz           |
| <b>Freq</b>             | 24 dB Link/Rly   | 24 dB Link/Rly                   | 24 dB Link/Rly   | 24 dB Link/Rly                   | 24 dB Link/Rly   | 24 dB Link/Rly                   | 24 dB Bessel    | 24 dB Btrwrth   | 24 dB Btrwrth   |
| <b>Type</b>             | 1.00             | 1.00                             | 1.00             | 1.00                             | 1.00             | 1.00                             | 1.00            | 1.00            | 1.00            |
| <b>Res</b>              | Out              | Out                              | Out              | Out                              | Out              | Out                              | 100 Hz          | 100 Hz          | 100 Hz          |
| <b>LPF<sup>2</sup></b>  |                  |                                  |                  |                                  |                  |                                  | 24 dB Link/Rly  | 24 dB Link/Rly  | 24 dB Link/Rly  |
| <b>Shape</b>            |                  |                                  |                  |                                  |                  |                                  | 1.00            | 1.00            | 1.00            |
| <b>Res</b>              | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ             | PEQ             | PEQ             |
| <b>PEQ 1</b>            | 58 Hz            | 73 Hz                            | 61 Hz            | 58 Hz                            | 52 Hz            | 52 Hz                            | 42 Hz           | 33 Hz           | 39 Hz           |
| <b>Shape</b>            | 5.00 dB          | 4.00 dB                          | 9.50 dB          | 7.50 dB                          | 6.00 dB          | 6.00 dB                          | -1.00 dB        | 5.50 dB         | 4.00 dB         |
| <b>Freq</b>             | 0.890            | 1.150                            | 0.520            | 0.440                            | 0.790            | 1.000                            | 3.550           | 0.500           | 1.170           |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ             | PEQ             | PEQ             |
| <b>PEQ 2</b>            | 1,029 Hz         | 516 Hz                           | 750 Hz           | 794 Hz                           | 1,778 Hz         | 387 Hz                           | 65 Hz           | 37 Hz           | 150 Hz          |
| <b>Shape</b>            | -1.00 dB         | -1.00 dB                         | 6.00 dB          | 5.50 dB                          | -7.00 dB         | -2.50 dB                         | 2.00 dB         | -2.00 dB        | -1.00 dB        |
| <b>Freq</b>             | 0.290            | 4.470                            | 1.580            | 1.830                            | 2.600            | 2.000                            | 1.150           | 4.500           | 1.580           |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ             | PEQ             | PEQ             |
| <b>PEQ 3</b>            | 1,631 Hz         | 1,585 Hz                         | 1,413 Hz         | 1,413 Hz                         | 2,901 Hz         | 1,778 Hz                         | 282 Hz          | 188 Hz          |                 |
| <b>Shape</b>            | -2.50 dB         | -2.00 dB                         | -4.50 dB         | -4.50 dB                         | -2.50 dB         | -7.00 dB                         | -9.50 dB        | -3.50 dB        |                 |
| <b>Freq</b>             | 3.650            | 1.090                            | 0.450            | 0.450                            | 3.070            | 3.150                            | 0.630           | 0.790           |                 |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              |                 |                 |                 |
| <b>PEQ 4</b>            | 4,732 Hz         | 4,732 Hz                         | 2,304 Hz         | 2,304 Hz                         | 4,217 Hz         | 2,901 Hz                         |                 |                 |                 |
| <b>Shape</b>            | -11.50 dB        | -9.50 dB                         | -1.00 dB         | -1.50 dB                         | -11.00 dB        | -2.50 dB                         |                 |                 |                 |
| <b>Freq</b>             | 1.000            | 1.240                            | 3.000            | 3.000                            | 1.440            | 3.070                            |                 |                 |                 |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              |                 |                 |                 |
| <b>PEQ 5</b>            | 8,913 Hz         | 8,913 Hz                         | 3,981 Hz         | 3,981 Hz                         | 7,718 Hz         | 4,217 Hz                         |                 |                 |                 |
| <b>Shape</b>            | -7.00 dB         | -6.00 dB                         | -10.50 dB        | -10.50 dB                        | -5.00 dB         | -11.50 dB                        |                 |                 |                 |
| <b>Freq</b>             | 2.200            | 2.300                            | 1.430            | 1.570                            | 1.500            | 1.280                            |                 |                 |                 |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                | PEQ              | PEQ                              | PEQ              | PEQ                              | PEQ              | PEQ                              |                 |                 |                 |
| <b>PEQ 6</b>            | 18,302 Hz        | 17,783 Hz                        | 7,943 Hz         | 8,175 Hz                         | 13,335 Hz        | 8,175 Hz                         |                 |                 |                 |
| <b>Shape</b>            | 4.00 dB          | 6.00 dB                          | -5.50 dB         | -7.00 dB                         | 2.00 dB          | -6.00 dB                         |                 |                 |                 |
| <b>Freq</b>             | 3.000            | 2.000                            | 1.500            | 1.110                            | 2.100            | 2.670                            |                 |                 |                 |
| <b>Gain</b>             |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |
| <b>Q</b>                |                  |                                  |                  |                                  |                  |                                  |                 |                 |                 |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> The FA Series HPF and TS Series LPF may be varied from 80 to 125 Hz to suit application requirements.

<sup>3</sup> Use -SM settings when FA28, FA12, and FA15 are used in stage monitor application.

# Cardioid Subwoofer Settings for Symetrix Zone Mix Processors



| CARDIOID SUBWOOFERS     |              | CS118 v1<br>VLF | CS121 v1<br>VLF |
|-------------------------|--------------|-----------------|-----------------|
| <b>GAIN<sup>1</sup></b> |              | -1.00 dB        | -1.50 dB        |
| <b>DELAY</b>            |              | 0.000 ms        | 0.000 ms        |
| <b>POLARITY</b>         |              | Normal          | Normal          |
| <b>HPF</b>              | <b>Freq</b>  | 28 Hz           | 28 Hz           |
|                         | <b>Type</b>  | 24 dB Btrwrth   | 24 dB Btrwrth   |
|                         | <b>Res</b>   | 1.00            | 1.00            |
| <b>LPF<sup>2</sup></b>  | <b>Freq</b>  | 100 Hz          | 100 Hz          |
|                         | <b>Type</b>  | 24 dB Link/Rly  | 24 dB Link/Rly  |
|                         | <b>Res</b>   | 1.00            | 1.00            |
| <b>PEQ 1</b>            | <b>Shape</b> | PEQ             | PEQ             |
|                         | <b>Freq</b>  | 37 Hz           | 33 Hz           |
|                         | <b>Gain</b>  | 8.00 dB         | 10.50 dB        |
|                         | <b>Q</b>     | 1.200           | 1.200           |
| <b>PEQ 2</b>            | <b>Shape</b> | PEQ             |                 |
|                         | <b>Freq</b>  | 73 Hz           |                 |
|                         | <b>Gain</b>  | -1.00 dB        |                 |
|                         | <b>Q</b>     | 1.330           |                 |
| <b>PEQ 3</b>            | <b>Shape</b> |                 |                 |
|                         | <b>Freq</b>  |                 |                 |
|                         | <b>Gain</b>  |                 |                 |
|                         | <b>Q</b>     |                 |                 |
| <b>PEQ 4</b>            | <b>Shape</b> |                 |                 |
|                         | <b>Freq</b>  |                 |                 |
|                         | <b>Gain</b>  |                 |                 |
|                         | <b>Q</b>     |                 |                 |
| <b>PEQ 5</b>            | <b>Shape</b> |                 |                 |
|                         | <b>Freq</b>  |                 |                 |
|                         | <b>Gain</b>  |                 |                 |
|                         | <b>Q</b>     |                 |                 |
| <b>PEQ 6</b>            | <b>Shape</b> |                 |                 |
|                         | <b>Freq</b>  |                 |                 |
|                         | <b>Gain</b>  |                 |                 |
|                         | <b>Q</b>     |                 |                 |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> The LPF may be varied from 80 to 125 Hz to suit application requirements.

# Subwoofer Settings for Symetrix Zone Mix Processors



| <b>VLF</b> <i>Install</i> | US208 v1<br>VLF | US212 v2<br>VLF | US221 v2<br>VLF | Sub 112 v3<br>VLF | Sub115 v3<br>VLF | Sub118 v1<br>VLF | Sub215 v7<br>VLF | Sub218 v1<br>VLF | Sub218L v1<br>VLF |
|---------------------------|-----------------|-----------------|-----------------|-------------------|------------------|------------------|------------------|------------------|-------------------|
| <b>GAIN<sup>1</sup></b>   | 2.50 dB         | 3.00 dB         | 2.00 dB         | 1.00 dB           | 2.50 dB          | 1.00 dB          | 0.50 dB          | 1.50 dB          | 1.50 dB           |
| <b>DELAY</b>              | 0.000 ms        | 0.000 ms        | 0.000 ms        | 0.000 ms          | 0.000 ms         | 0.000 ms         | 0.000 ms         | 0.000 ms         | 0.000 ms          |
| <b>POLARITY</b>           | Normal          | Normal          | Normal          | Normal            | Normal           | Normal           | Normal           | Normal           | Normal            |
| <b>HPF</b>                |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               | 33 Hz           | 40 Hz           | 28 Hz           | 38 Hz             | 30 Hz            | 26 Hz            | 26 Hz            | 26 Hz            | 25 Hz             |
| <b>Type</b>               | 24 dB Btrwrth   | 24 dB Btrwrth   | 24 dB Btrwrth   | 24 dB Btrwrth     | 24 dB Btrwrth    | 24 dB Btrwrth    | 24 dB Btrwrth    | 24 dB Btrwrth    | 24 dB Btrwrth     |
| <b>Res</b>                | 1.00            | 1.00            | 1.00            | 1.00              | 1.00             | 1.00             | 1.00             | 1.00             | 1.00              |
| <b>LPF<sup>2</sup></b>    |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               | 100 Hz          | 100 Hz          | 100 Hz          | 100 Hz            | 100 Hz           | 100 Hz           | 100 Hz           | 100 Hz           | 100 Hz            |
| <b>Type</b>               | 24 dB Link/Rly  | 24 dB Link/Rly  | 24 dB Link/Rly  | 24 dB Link/Rly    | 24 dB Link/Rly   | 24 dB Link/Rly   | 24 dB Link/Rly   | 24 dB Link/Rly   | 24 dB Link/Rly    |
| <b>Res</b>                | 1.00            | 1.00            | 1.00            | 1.00              | 1.00             | 1.00             | 1.00             | 1.00             | 1.00              |
| <b>PEQ 1</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              | PEQ             | PEQ             | PEQ             | PEQ               | PEQ              | PEQ              | PEQ              | PEQ              | PEQ               |
| <b>Freq</b>               | 43 Hz           | 69 Hz           | 39 Hz           | 42 Hz             | 71 Hz            | 37 Hz            | 31 Hz            | 33 Hz            | 28 Hz             |
| <b>Gain</b>               | -1.00 dB        | 2.50 dB         | 3.50 dB         | 4.50 dB           | 2.00 dB          | 3.00 dB          | 6.00 dB          | 3.00 dB          | 4.00 dB           |
| <b>Q</b>                  | 2.800           | 1.150           | 1.000           | 1.260             | 1.060            | 0.870            | 0.880            | 0.870            | 1.050             |
| <b>PEQ 2</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              | PEQ             | PEQ             | PEQ             | PEQ               | PEQ              |                  | PEQ              |                  | PEQ               |
| <b>Freq</b>               | 60 Hz           | 282 Hz          | 150 Hz          | 168 Hz            | 150 Hz           |                  | 183 Hz           |                  | 224 Hz            |
| <b>Gain</b>               | 2.00 dB         | -8.00 dB        | -4.00 dB        | -3.50 dB          | -4.00 dB         |                  | -4.50 dB         |                  | 3.00 dB           |
| <b>Q</b>                  | 1.500           | 0.670           | 1.580           | 1.330             | 0.940            |                  | 0.750            |                  | 2.250             |
| <b>PEQ 3</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              | PEQ             |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               | 94 Hz           |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Gain</b>               | 1.50 dB         |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Q</b>                  | 2.000           |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>PEQ 4</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              | PEQ             |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               | 282 Hz          |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Gain</b>               | -3.50 dB        |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Q</b>                  | 0.470           |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>PEQ 5</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Gain</b>               |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Q</b>                  |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>PEQ 6</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Shape</b>              |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Freq</b>               |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Gain</b>               |                 |                 |                 |                   |                  |                  |                  |                  |                   |
| <b>Q</b>                  |                 |                 |                 |                   |                  |                  |                  |                  |                   |

<sup>1</sup> Processor output gains assume all amplifier voltage gains (*not* input sensitivities) are equal.

<sup>2</sup> The LPF may be varied from 80 to 125 Hz to suit application requirements.