

Rev: 6/1/96b  
e: DMLA-DX

| Title:                            | DML-1122A           | DML-1152A           | DML-2181A & DML-1122A                                                  | DML-2181A & DML-1152A                                                  |
|-----------------------------------|---------------------|---------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| DX-34 Configuration:              | 2-Way Configuration | 2-Way Configuration | 3-Way Configuration<br>Front of DML-1122 flush with front of DML-2181. | 3-Way Configuration<br>Front of DML-1152 flush with front of DML-2181. |
| Notes:                            |                     |                     |                                                                        |                                                                        |
| AP Files:<br><br>Programmer/Date: | FJB/DEC - 2/12/96   | FJB/DEC - 2/12/96   | FJB/DEC - 2/12/96                                                      | FJB/DEC - 2/12/96                                                      |
|                                   | FR #1/#3 #2/#4      | FR #1/#3 #2/#4      | FR #1 #2 #3 #4                                                         | FR #1 #2 #3 #4                                                         |
| Master Delay (ms):                | 2.0                 | 2.0                 | 2.0                                                                    | 2.0                                                                    |
| Master PEQ Freq (Hz):             | 960                 | 680                 |                                                                        |                                                                        |
| Master PEQ Q:                     | .80                 | 1.0                 |                                                                        |                                                                        |
| Master PEQ Gain (dB):             | -2                  | -3                  |                                                                        |                                                                        |
| Low-Cut Freq (Hz):                | 78                  | 50                  | 40                                                                     | 40                                                                     |
| Low-Cut Slope (dB/Oct):           | -12                 | -12                 | -12                                                                    | -12                                                                    |
| Low-Cut Q:                        | 1.2                 | 2.0                 | 2.0                                                                    | 2.0                                                                    |
| LSH Freq. (Hz):                   | 280                 | 100                 | 68                                                                     | n/a                                                                    |
| LSH Slope (dB/Oct):               | 12                  | 6                   | 6                                                                      | n/a                                                                    |
| LSH Gain (dB):                    | +5                  | 0                   | 0                                                                      | 0                                                                      |
| HP Freq. (Hz):                    | 1280                | 1120                |                                                                        |                                                                        |
| HP Filter Type:                   | L-R                 | L-R                 | 80 L-R                                                                 | 70 L-R                                                                 |
| HP Slope (dB/Oct):                | -24                 | -24                 | -24                                                                    | -24                                                                    |
| PEQ1 Freq. (Hz):                  | 74                  | 60                  | 32                                                                     | 32                                                                     |
| PEQ1 Q:                           | 1.2                 | 1.0                 | 3.5                                                                    | 3.5                                                                    |
| PEQ1 Gain (dB):                   | +4                  | +4                  | +4                                                                     | +4                                                                     |
| PEQ2 Freq. (Hz):                  | 1800                | 14800               | 720                                                                    | 720                                                                    |
| PEQ2 Q:                           | 1.2                 | 1.0                 | 1.0                                                                    | 1.0                                                                    |
| PEQ2 Gain (dB):                   | -3                  | 0                   | -2                                                                     | -2                                                                     |
| LP Freq. (Hz):                    | 1200                | 1000                | 112                                                                    | 112                                                                    |
| LP Filter Type:                   | L-R                 | L-R                 | L-R                                                                    | L-R                                                                    |
| LP Slope (dB.Oct):                | -24                 | -24                 | -24                                                                    | -24                                                                    |
| HSH Freq. (Hz):                   | 10000               | 10000               |                                                                        |                                                                        |
| HSH Slope (dB/Oct):               | 12                  | 12                  | 12                                                                     | 12                                                                     |
| HSH Gain (dB):                    | +6                  | +5                  | +6                                                                     | +5                                                                     |
| Polarity (Norm./Invert.):         | 0 Norm              | 0 Norm              | 277 Invert.                                                            | 1323 Invert.                                                           |
| Output Gain (dB):                 | +5                  | +5                  | 0 +5                                                                   | 0 +5                                                                   |
| Limiter Thresh. (dBU):            | +21                 | +21                 | +21                                                                    | +21                                                                    |
| Limiter Decay (dB/ms):            | 50                  | 50                  | 50                                                                     | 50                                                                     |
| Limiter Hold (ms):                | 5                   | 5                   | 5                                                                      | 5                                                                      |
| Channel 1 Mode:                   |                     |                     | L+R                                                                    | L+R                                                                    |
| Channel 4 Mode:                   |                     |                     |                                                                        | L+R                                                                    |

# DML Loudspeakers EV Dx34A Digital Parameters

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Rev. 1.00 - 07/13/99

Dx34A O.S. Rev. 3.01

File: DML Systems Dx34 Parameters Rev 1.0

| Loudspeaker System                                                         |                            | DML-1122<br>2-Way                                                                                    |            |            | DML-1122 & DML-2181<br>3-Way                                                                                     |             |            |            |   |
|----------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------|------------|------------|------------------------------------------------------------------------------------------------------------------|-------------|------------|------------|---|
| Notes<br><br>Un-hide cells for revision history and specific system notes. |                            | *These parameters duplicate the response of the DMC-1122A controller without loudspeaker protection. |            |            | *These parameters duplicate the response of the DMC-1122A & DMC2181S controllers without loudspeaker protection. |             |            |            |   |
| Programmer: 1st Rev. - Last Rev.                                           |                            | FJB/DEC: 02/12/96                                                                                    |            |            | FJB/DEC: 02/12/96                                                                                                |             |            |            |   |
| Dx34A Program Title                                                        |                            | 1122                                                                                                 |            |            | 1122/2181                                                                                                        |             |            |            |   |
| Dx34A Configuration                                                        |                            | 2-Way                                                                                                |            |            | 3-Way                                                                                                            |             |            |            |   |
| Frequency Band                                                             |                            | FR                                                                                                   | 1122<br>LF | 1122<br>HF | FR                                                                                                               | 2181<br>SUB | 1122<br>LF | 1122<br>HF |   |
| Dx34A Output                                                               |                            | 1&2/3&4                                                                                              | 1/3        | 2/4        | 1,2&3                                                                                                            | 1           | 2          | 3          | 4 |
| Edit Menu                                                                  | Input Master Delay (mS)    | 2.0                                                                                                  |            |            | 2.0                                                                                                              |             |            |            |   |
|                                                                            | Input Master PEQ Freq (Hz) | 960                                                                                                  |            |            |                                                                                                                  |             |            |            |   |
|                                                                            | Input Master PEQ Q (Q)     | .80                                                                                                  |            |            |                                                                                                                  |             |            |            |   |
|                                                                            | Input Master PEQ Gain (dB) | -2.0                                                                                                 |            |            |                                                                                                                  |             |            |            |   |
|                                                                            | Low-Cut Freq (Hz)          |                                                                                                      | 78.0       |            |                                                                                                                  | 40.0        |            |            |   |
|                                                                            | Low-Cut Slope (dB/Oct)     |                                                                                                      | 12         |            |                                                                                                                  | 12          |            |            |   |
|                                                                            | Low-Cut Q (Q)              |                                                                                                      | 1.2        |            |                                                                                                                  | 2.0         |            |            |   |
|                                                                            | LSF Freq. (Hz)             |                                                                                                      | 280        |            |                                                                                                                  | 68.0        |            |            |   |
|                                                                            | LSF Slope (dB/Oct)         |                                                                                                      | 12         |            |                                                                                                                  | 6           |            |            |   |
|                                                                            | LSF Gain (dB)              |                                                                                                      | +5.0       |            |                                                                                                                  | 0           |            |            |   |
|                                                                            | HPF Freq. (Hz)             |                                                                                                      |            | 1280       |                                                                                                                  |             | 80.0       | 1280       |   |
|                                                                            | HPF Resp. (Type-dB/Oct)    |                                                                                                      |            | LR24       |                                                                                                                  |             | LR24       | LR24       |   |
|                                                                            | PEQ1 Freq. (Hz)            |                                                                                                      | 74.0       | 4400       |                                                                                                                  | 32.0        | 108        | 4400       |   |
|                                                                            | PEQ1 Q (Q)                 |                                                                                                      | 1.2        | .70        |                                                                                                                  | 3.5         | 1.0        | .70        |   |
|                                                                            | PEQ1 Gain (dB)             |                                                                                                      | +4.0       | -6.0       |                                                                                                                  | +4.0        | +8.0       | -6.0       |   |
|                                                                            | PEQ2 Freq. (Hz)            |                                                                                                      |            | 1800       |                                                                                                                  |             | 720        | 1800       |   |
|                                                                            | PEQ2 Q (Q)                 |                                                                                                      |            | 1.2        |                                                                                                                  |             | 1.0        | 1.2        |   |
|                                                                            | PEQ2 Gain (dB)             |                                                                                                      |            | -3.0       |                                                                                                                  |             | -2.0       | -3.0       |   |
|                                                                            | LPF Freq. (Hz)             |                                                                                                      | 1200       |            |                                                                                                                  | 112         | 1200       |            |   |
|                                                                            | LPF Resp. (Type-dB/Oct)    |                                                                                                      | LR24       |            |                                                                                                                  | LR24        | LR24       |            |   |
|                                                                            | HSF Freq. (Hz)             |                                                                                                      |            | 10000      |                                                                                                                  |             |            | 10000      |   |
|                                                                            | HSF Slope (dB/Oct)         |                                                                                                      |            | 12         |                                                                                                                  |             |            | 12         |   |
|                                                                            | HSF Gain (dB)              |                                                                                                      |            | +6.0       |                                                                                                                  |             |            | +6.0       |   |
|                                                                            | Output Align Delay (uS)    |                                                                                                      | 0          | 0          |                                                                                                                  | 277         | 0          | 0          |   |
|                                                                            | Polarity (Normal, Invert)  |                                                                                                      | Norm       | Norm       |                                                                                                                  | Invert      | Norm       | Norm       |   |
|                                                                            | Digital Output Gain (dB)   |                                                                                                      | +5.0       | 0          |                                                                                                                  | 0           | +5.0       | 0          |   |
|                                                                            | Limiter Thresh. (dBu)      |                                                                                                      | +21.0      | +21.0      |                                                                                                                  | +21.0       | +21.0      | +21.0      |   |
|                                                                            | Limiter Decay (dB/mS)      |                                                                                                      | 50         | 50         |                                                                                                                  | 50          | 50         | 50         |   |
| Limiter Hold (mS)                                                          |                            | 5                                                                                                    | 5          |            | 5                                                                                                                | 5           | 5          |            |   |
| Channel 1 Mode (L,R,L+R)                                                   |                            |                                                                                                      |            |            | L+R                                                                                                              |             |            |            |   |
| Channel 4 Mode (L,R,L+R)                                                   |                            |                                                                                                      |            |            |                                                                                                                  |             |            |            |   |
| Knob                                                                       | Output Knobs (dB)          |                                                                                                      | 0          | 0          |                                                                                                                  | 0           | 0          | 0          | 0 |
|                                                                            | Input Knob (dB)            |                                                                                                      | 0          |            |                                                                                                                  | 0           |            |            |   |
| Options                                                                    | 2-Way L-R Mode             | Select Link or Independent                                                                           |            |            |                                                                                                                  |             |            |            |   |
|                                                                            | Delay Units                | uSec                                                                                                 |            |            | uSec                                                                                                             |             |            |            |   |
|                                                                            | Limiter Thresh. Reference  | dBu (0dBu=.775v)                                                                                     |            |            | dBu (0dBu=.775v)                                                                                                 |             |            |            |   |
|                                                                            | VU Display                 | No Peak (dB from clip)                                                                               |            |            | No Peak (dB from clip)                                                                                           |             |            |            |   |

**DML Loudspeakers**  
**EV Dx34A Digital Parameters**

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Dx34A O.S. Rev. 3.01

Rev. 1.00 - 07/13/99  
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| Loudspeaker System                                            |                            | DML-1152<br>2-Way                                                                                    |         |         | DML-1152 & DML-2181<br>3-Way                                                                                     |          |         |         |
|---------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------|---------|---------|------------------------------------------------------------------------------------------------------------------|----------|---------|---------|
| Notes                                                         |                            | *These parameters duplicate the response of the DMC-1152A controller without loudspeaker protection. |         |         | *These parameters duplicate the response of the DMC-1152A & DMC2181S controllers without loudspeaker protection. |          |         |         |
| Un-hide cells for revision history and specific system notes. |                            |                                                                                                      |         |         |                                                                                                                  |          |         |         |
| Programmer: 1st Rev. - Last Rev.                              |                            | FJB/DEC: 02/12/96                                                                                    |         |         | FJB/DEC: 02/12/96                                                                                                |          |         |         |
| Dx34A Program Title                                           |                            | 1152                                                                                                 |         |         | 1152/2181                                                                                                        |          |         |         |
| Dx34A Configuration                                           |                            | 2-Way                                                                                                |         |         | 3-Way                                                                                                            |          |         |         |
| Frequency Band                                                |                            | FR                                                                                                   | 1152 LF | 1152 HF | FR                                                                                                               | 2181 SUB | 1152 LF | 1152 HF |
| Dx34A Output                                                  |                            | 1&2/3&4                                                                                              | 1/3     | 2/4     | 1,2&3                                                                                                            | 1        | 2       | 3       |
| Edit Menu                                                     | Input Master Delay (mS)    | 2.0                                                                                                  |         |         | 2.0                                                                                                              |          |         |         |
|                                                               | Input Master PEQ Freq (Hz) | 680                                                                                                  |         |         |                                                                                                                  |          |         |         |
|                                                               | Input Master PEQ Q (Q)     | 1.0                                                                                                  |         |         |                                                                                                                  |          |         |         |
|                                                               | Input Master PEQ Gain (dB) | -3.0                                                                                                 |         |         |                                                                                                                  |          |         |         |
|                                                               | Low-Cut Freq (Hz)          |                                                                                                      | 50.0    |         |                                                                                                                  | 40.0     |         |         |
|                                                               | Low-Cut Slope (dB/Oct)     |                                                                                                      | 12      |         |                                                                                                                  | 12       |         |         |
|                                                               | Low-Cut Q (Q)              |                                                                                                      | 2.0     |         |                                                                                                                  | 2.0      |         |         |
|                                                               | LSF Freq. (Hz)             |                                                                                                      | 100     |         |                                                                                                                  | 68.0     |         |         |
|                                                               | LSF Slope (dB/Oct)         |                                                                                                      | 6       |         |                                                                                                                  | 6        |         |         |
|                                                               | LSF Gain (dB)              |                                                                                                      | 0       |         |                                                                                                                  | 0        |         |         |
|                                                               | HPF Freq. (Hz)             |                                                                                                      |         | 1120    |                                                                                                                  |          | 70.0    | 1120    |
|                                                               | HPF Resp. (Type-dB/Oct)    |                                                                                                      |         | LR24    |                                                                                                                  |          | LR24    | LR24    |
|                                                               | PEQ1 Freq. (Hz)            |                                                                                                      | 60.0    | 4400    |                                                                                                                  | 32.0     | 172     | 4400    |
|                                                               | PEQ1 Q (Q)                 |                                                                                                      | 1.0     | .70     |                                                                                                                  | 3.5      | 1.5     | .70     |
|                                                               | PEQ1 Gain (dB)             |                                                                                                      | +4.0    | -10.0   |                                                                                                                  | +4.0     | +2.0    | -10.0   |
|                                                               | PEQ2 Freq. (Hz)            |                                                                                                      |         | 14800   |                                                                                                                  |          | 720     | 14800   |
|                                                               | PEQ2 Q (Q)                 |                                                                                                      |         | 1.0     |                                                                                                                  |          | 1.0     | 1.0     |
|                                                               | PEQ2 Gain (dB)             |                                                                                                      |         | 0       |                                                                                                                  |          | -2.0    | 0       |
|                                                               | LPF Freq. (Hz)             |                                                                                                      | 1000    |         |                                                                                                                  | 112      | 1000    |         |
|                                                               | LPF Resp. (Type-dB/Oct)    |                                                                                                      | LR24    |         |                                                                                                                  | LR24     | LR24    |         |
|                                                               | HSF Freq. (Hz)             |                                                                                                      |         | 10000   |                                                                                                                  |          |         | 10000   |
|                                                               | HSF Slope (dB/Oct)         |                                                                                                      |         | 12      |                                                                                                                  |          |         | 12      |
|                                                               | HSF Gain (dB)              |                                                                                                      |         | +5.0    |                                                                                                                  |          |         | +5.0    |
|                                                               | Output Align Delay (uS)    |                                                                                                      | 533     | 0       |                                                                                                                  | 1323     | 533     | 0       |
|                                                               | Polarity (Normal, Invert)  |                                                                                                      | Norm    | Norm    |                                                                                                                  | Invert   | Norm    | Norm    |
|                                                               | Digital Output Gain (dB)   |                                                                                                      | +5.0    | 0       |                                                                                                                  | 0        | +5.0    | 0       |
|                                                               | Limiter Thresh. (dBu)      |                                                                                                      | +21.0   | +21.0   |                                                                                                                  | +21.0    | +21.0   | +21.0   |
| Limiter Decay (dB/mS)                                         |                            | 50                                                                                                   | 50      |         | 50                                                                                                               | 50       | 50      |         |
| Limiter Hold (mS)                                             |                            | 5                                                                                                    | 5       |         | 5                                                                                                                | 5        | 5       |         |
| Channel 1 Mode (L,R,L+R)                                      |                            |                                                                                                      |         |         | L+R                                                                                                              |          |         |         |
| Channel 4 Mode (L,R,L+R)                                      |                            |                                                                                                      |         |         |                                                                                                                  |          |         |         |
| Knob                                                          | Output Knobs (dB)          |                                                                                                      | 0       | 0       |                                                                                                                  | 0        | 0       | 0       |
|                                                               | Input Knob (dB)            | 0                                                                                                    |         |         | 0                                                                                                                |          |         |         |
| Options                                                       | 2-Way L-R Mode             | Select Link or Independent                                                                           |         |         |                                                                                                                  |          |         |         |
|                                                               | Delay Units                | uSec                                                                                                 |         |         | uSec                                                                                                             |          |         |         |
|                                                               | Limiter Thresh. Reference  | dBu (0dBu=.775v)                                                                                     |         |         | dBu (0dBu=.775v)                                                                                                 |          |         |         |
|                                                               | VU Display                 | No Peak (dB from clip)                                                                               |         |         | No Peak (dB from clip)                                                                                           |          |         |         |