

**EV Cinema Loudspeakers**  
**EV Dx34A Digital Parameters**

| Loudspeaker System   |                            | VariPlex<br>Triamped Version        |       |       |       |   | Variplex-B<br>Biamped Version                                |       |       |
|--|----------------------------|-------------------------------------|-------|-------|-------|---|--|-------|-------|
| Notes<br><br>Un-hide cells for revision history and specific system notes. |                            | *Standard Variplex system triamped. |       |       |       |   | *Standard Variplex system biamped (passive MB/HF crossover). |       |       |
| Programmer: 1st Rev. - Last Rev.   |                            | TKJ: 03/17/98 - DEC: 07/13/99       |       |       |       |   | GP: ???/??? - DEC: 07/13/99                                  |       |       |
| Dx34A Program Title  |                            | VariPlex                            |       |       |       |   | VariPlex-B   |       |       |
| Dx34A Configuration  |                            | 3-Way                               |       |       |       |   | 2-Way  |       |       |
| Frequency Band   |                            | FR                                  | LF    | MB    | HF    |   | FR   | LF    | MB/HF |
| Dx34A Output   |                            | 1,2&3                               | 1     | 2     | 3     | 4 | 1&2/3&4  | 1/3   | 2/4   |
| Edit Menu  | Input Master Delay (mS)    | 2.0                                 |       |       |       |   | 2.0  |       |       |
|  | Input Master PEQ Freq (Hz) |                                     |       |       |       |   | 400  |       |       |
|  | Input Master PEQ Q (Q)     |                                     |       |       |       |   | 1.0  |       |       |
|  | Input Master PEQ Gain (dB) |                                     |       |       |       |   | 0  |       |       |
|  | Low-Cut Freq (Hz)          |                                     | 40.0  |       |       |   |  | 40.0  |       |
|  | Low-Cut Slope (dB/Oct)     |                                     | 12    |       |       |   |  | 12    |       |
|  | Low-Cut Q (Q)              |                                     | 2.0   |       |       |   |  | 2.0   |       |
|  | LSF Freq. (Hz)             |                                     | 100   |       |       |   |  | 100   |       |
|  | LSF Slope (dB/Oct)         |                                     | 6     |       |       |   |  | 6     |       |
|  | LSF Gain (dB)              |                                     | 0     |       |       |   |  | 0     |       |
|  | HPF Freq. (Hz)             |                                     |       | 330   | 1560  |   |  |       | 330   |
|  | HPF Resp. (Type-dB/Oct)    |                                     |       | LR24  | LR24  |   |  |       | LR24  |
|  | PEQ1 Freq. (Hz)            |                                     | 78.0  | 740   | 3000  |   |  | 80.0  | 500   |
|  | PEQ1 Q (Q)                 |                                     | 3.0   | 1.3   | 1.5   |   |  | 2.0   | 2.0   |
|  | PEQ1 Gain (dB)             |                                     | +2.0  | -3.0  | -7.0  |   |  | 0     | 0     |
|  | PEQ2 Freq. (Hz)            |                                     |       | 1360  | 5400  |   |  |       | 2000  |
|  | PEQ2 Q (Q)                 |                                     |       | 1.6   | 2.2   |   |  |       | 2.0   |
|  | PEQ2 Gain (dB)             |                                     |       | +5.0  | -2.0  |   |  |       | 0     |
|  | LPF Freq. (Hz)             |                                     |       | 330   | 1560  |   |  |       | 330   |
|  | LPF Resp. (Type-dB/Oct)    |                                     |       | LR24  | LR24  |   |  |       | LR24  |
|  | HSF Freq. (Hz)             |                                     |       |       | 5000  |   |  |       | 10000 |
|  | HSF Slope (dB/Oct)         |                                     |       |       | 12    |   |  |       | 6     |
| HSF Gain (dB)  |                            |                                     |       | +6.0  |       |   |  | 0     |       |
| Output Align Delay (uS)  |                            |                                     | 1451  | 0     | 1941  |   |  | 1451  | 0     |
| Polarity (Normal, Invert)  |                            |                                     | Norm  | Norm  | Norm  |   |  | Norm  | Norm  |
| Digital Output Gain (dB)   |                            |                                     | 0     | -2.0  | -3.0  |   |  | 0     | -2.0  |
| 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     |       |       |   |  |       |       |
| 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)                                       |       |       |

**EV Cinema Loudspeakers**  
**EV Dx34A Digital Parameters**

| Loudspeaker System   |                            | Variplex-DH<br>Biamped Version  |       |       | Variplex-DHS<br>Biamped Version                                      |       |       |
|--|----------------------------|---|-------|-------|--|-------|-------|
| Notes<br>Un-hide cells for revision history and specific system notes. |                            | *DH Variplex system biamped (passive MB/HF crossover) with 2 woofers. |       |       | *DH Variplex system biamped (passive MB/HF crossover) with 1 woofer. |       |       |
| Programmer: 1st Rev. - Last Rev.                                       |                            | GP: 09/25/98 - DEC: 07/13/99  |       |       | GP: 09/25/98 - DEC: 07/13/99   |       |       |
| Dx34A Program Title  |                            | VariPlex-DH   |       |       | VariPlex-DHS   |       |       |
| Dx34A Configuration  |                            | 2-Way   |       |       | 2-Way  |       |       |
| Frequency Band   |                            | FR  | LF    | MB/HF | FR   | LF    | MB/HF |
| Dx34A Output   |                            | 1&2/3&4   | 1/3   | 2/4   | 1&2/3&4  | 1/3   | 2/4   |
| Edit Menu  | Input Master Delay (mS)    | 2.0   |       |       | 2.0  |       |       |
|  | Input Master PEQ Freq (Hz) | 400   |       |       | 400  |       |       |
|  | Input Master PEQ Q (Q)     | 1.0   |       |       | 1.0  |       |       |
|  | Input Master PEQ Gain (dB) | 0   |       |       | 0  |       |       |
|  | Low-Cut Freq (Hz)          |   | 40.0  |       |  | 40.0  |       |
|  | Low-Cut Slope (dB/Oct)     |   | 12    |       |  | 12    |       |
|  | Low-Cut Q (Q)              |   | 2.0   |       |  | 2.0   |       |
|  | LSF Freq. (Hz)             |   | 100   |       |  | 100   |       |
|  | LSF Slope (dB/Oct)         |   | 6     |       |  | 6     |       |
|  | LSF Gain (dB)              |   | 0     |       |  | 0     |       |
|  | HPF Freq. (Hz)             |   |       | 330   |  |       | 310   |
|  | HPF Resp. (Type-dB/Oct)    |   |       | LR24  |  |       | LR24  |
|  | PEQ1 Freq. (Hz)            |   | 80.0  | 500   |  | 80.0  | 500   |
|  | PEQ1 Q (Q)                 |   | 2.0   | 2.0   |  | 2.0   | 2.0   |
|  | PEQ1 Gain (dB)             |   | 0     | 0     |  | 0     | 0     |
|  | PEQ2 Freq. (Hz)            |   |       | 2000  |  |       | 2000  |
|  | PEQ2 Q (Q)                 |   |       | 2.0   |  |       | 2.0   |
|  | PEQ2 Gain (dB)             |   |       | 0     |  |       | 0     |
|  | LPF Freq. (Hz)             |   | 330   |       |  | 310   |       |
|  | LPF Resp. (Type-dB/Oct)    |   | LR24  |       |  | LR24  |       |
|  | HSF Freq. (Hz)             |   |       | 10000 |  |       | 10000 |
|  | HSF Slope (dB/Oct)         |   |       | 6     |  |       | 6     |
|  | HSF Gain (dB)              |   |       | 0     |  |       | 0     |
|  | Output Align Delay (uS)    |   | 0     | 0     |  | 0     | 0     |
|  | Polarity (Normal, Invert)  |   | Norm  | Norm  |  | Norm  | Norm  |
|  | Digital Output Gain (dB)   |   | +3.0  | 0     |  | +6.0  | -3.0  |
|  | Limiter Thresh. (dBu)      |   | +21.0 | +21.0 |  | +21.0 | +21.0 |
|  | 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,L+R)   |                            |   |       |       |  |       |       |
| Knob   | Output Knobs (dB)          |   | 0     | 0     |  | 0     | 0     |
|  | Input Knob (dB)            | 0   |       |       | 0  |       |       |
| Options  | 2-Way L-R Mode             | Select Link or Independent  |       |       | 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)   |       |       |

**EV Cinema Loudspeakers**  
**EV Dx34A Digital Parameters**

|  |                            |  |           |           |           |          |
|--|----------------------------|--|-----------|-----------|-----------|----------|
| Loudspeaker System   |                            | <b>VariPlex-XL</b>                     |           |           |           |          |
|  |                            | <b>Triamped Version</b>                |           |           |           |          |
| Notes<br><br>Un-hide cells for revision history and specific system notes. |                            | *Extra-Large Variplex system triamped. |           |           |           |          |
| Programmer: 1st Rev. - Last Rev.   |                            | TKJ: 04/01/99 - DEC: 07/13/99          |           |           |           |          |
| Dx34A Program Title  |                            | <b>VariPlex-XL</b>                     |           |           |           |          |
| Dx34A Configuration  |                            | 3-Way                                  |           |           |           |          |
| Frequency Band   |                            | <b>FR</b>                              | <b>LF</b> | <b>MB</b> | <b>HF</b> |          |
| Dx34A Output   |                            | <b>1,2&amp;3</b>                       | <b>1</b>  | <b>2</b>  | <b>3</b>  | <b>4</b> |
| Edit Menu  | Input Master Delay (mS)    | 2.0                                    |           |           |           |          |
|  | Input Master PEQ Freq (Hz) |  |           |           |           |          |
|  | Input Master PEQ Q (Q)     |  |           |           |           |          |
|  | Input Master PEQ Gain (dB) |  |           |           |           |          |
|  | Low-Cut Freq (Hz)          |  | 32.0      |           |           |          |
|  | Low-Cut Slope (dB/Oct)     |  | 12        |           |           |          |
|  | Low-Cut Q (Q)              |  | 2.0       |           |           |          |
|  | LSF Freq. (Hz)             |  | 80        |           |           |          |
|  | LSF Slope (dB/Oct)         |  | 6         |           |           |          |
|  | LSF Gain (dB)              |  | 0         |           |           |          |
|  | HPF Freq. (Hz)             |  |           | 300       | 1440      |          |
|  | HPF Resp. (Type-dB/Oct)    |  |           | LR24      | LR24      |          |
|  | PEQ1 Freq. (Hz)            |  | 100       | 630       | 1400      |          |
|  | PEQ1 Q (Q)                 |  | 2.0       | 2.8       | 2.2       |          |
|  | PEQ1 Gain (dB)             |  | 0         | -3.0      | +5.0      |          |
|  | PEQ2 Freq. (Hz)            |  |           | 1400      | 3500      |          |
|  | PEQ2 Q (Q)                 |  |           | 1.3       | 2.0       |          |
|  | PEQ2 Gain (dB)             |  |           | +5.0      | 0         |          |
|  | LPF Freq. (Hz)             |  | 310       | 1400      |           |          |
|  | LPF Resp. (Type-dB/Oct)    |  | LR24      | LR24      |           |          |
|  | HSF Freq. (Hz)             |  |           |           | 6000      |          |
|  | HSF Slope (dB/Oct)         |  |           |           | 6         |          |
|  | HSF Gain (dB)              |  |           |           | +12.0     |          |
| Output Align Delay (uS)  |                            | 0                                      | 0         | 491       |           |          |
| Polarity (Normal, Invert)  |                            | Norm                                   | Norm      | Norm      |           |          |
| Digital Output Gain (dB)   |                            | +6.0                                   | +3.0      | -2.0      |           |          |
| Limiter Thresh. (dBu)  |                            | +21.0                                  | +21.0     | +21.0     |           |          |
| Limiter Decay (dB/mS)  |                            | 50                                     | 50        | 50        |           |          |
| Limiter Hold (mS)  |                            | 5                                      | 5         | 5         |           |          |
| Channel 1 Mode (L,R,L+R)   |                            | L                                      |           |           |           |          |
| Channel 4 Mode (L,R,L+R)   |                            |  |           |           |           |          |
| Knob   | Output Knobs (dB)          |  | 0         | 0         | 0         | 0        |
|  | Input Knob (dB)            | 0                                      |           |           |           |          |
| Options  | 2-Way L-R Mode             |  |           |           |           |          |
|  | Delay Units                | uSec                                   |           |           |           |          |
|  | Limiter Thresh. Reference  | dBu (0dBu=.775v)                       |           |           |           |          |
|  | VU Display                 | No Peak (dB from clip)                 |           |           |           |          |