



# QUICK REFERENCE CARD

## VMX400 SYSTEM CODES

### CONTROL FUNCTIONS

Function Value Effect

|    |        |                                       |
|----|--------|---------------------------------------|
| dE | 0      | Normal                                |
| dE | 1      | Demo mode running                     |
| E1 | 1 - 60 | Wipe Pattern                          |
| E2 | 1 - 4  | Pattern Edge (Hard-Soft)              |
| E3 | 0 - 9  | Auto-Speed Value (Fast-Slow)          |
| E4 | 0 - 99 | Colour (CH A off & PIP border)        |
| F1 | 0      | Normal Still frame                    |
| F1 | 1      | High Definition Still frame           |
| P1 | 1      | PIP size = $\frac{3}{4}$ screen width |
| P1 | 2      | PIP size = $\frac{2}{3}$ screen width |
| P1 | 3      | PIP size = $\frac{1}{2}$ screen width |
| P1 | 4      | PIP size = $\frac{1}{3}$ screen width |
| P1 | 5      | PIP size = $\frac{1}{4}$ screen width |
| P2 | 0      | No border around PIP                  |
| P2 | 1      | Border around PIP                     |
| P3 | 0      | Normal PIP                            |
| P3 | 1      | PIP replaced by window                |
| P4 | 0 - 99 | Colour (PIP window & PIP surround)    |
| C1 | 1      | Y+C Key reference                     |
| C1 | 2      | Y only Key reference                  |
| C1 | 3      | C only Key reference                  |
| C1 | 4      | Y+C Blue Bias                         |
| C2 | 1-16   | Set Luma Key switching thresholds     |
| C3 | 1-16   | Set Chroma Key switching thresholds   |
| A1 | 0      | Normal Sync Lock mode                 |
| A1 | 1      | Special Sync Lock mode 1              |
| A1 | 2      | Special Sync Lock mode 2              |
| A1 | 3      | Special Sync Lock mode 3              |
| A2 | 0      | Normal Colour Lock mode               |
| A2 | 1      | Special Colour Lock mode              |

### CONTROL FUNCTIONS [continued]

Function Value Effect

|    |   |                                  |
|----|---|----------------------------------|
| A3 | 0 | Normal Display mode              |
| A3 | 1 | Black & White mode               |
| A4 | 0 | Fast Colour Lock Time Constant   |
| A4 | 1 | Slow Colour Lock Time Constant   |
| A5 | 0 | Colour Subcarrier locked to line |
| A5 | 1 | Colour Subcarrier free running   |
| A6 | 0 | Fade/Wipe CH B leaving PIP/KEY   |
| A6 | 1 | Fade/Wipe PIP/KEY into window    |
| A6 | 2 | Fade/Wipe window into PIP/KEY    |
| A6 | 3 | Fade/Wipe PIP/KEY leaving CH B   |

### PICTURE PROCESSING

Function Value Effect

|   |          |                                                 |
|---|----------|-------------------------------------------------|
| 0 | 0        | Normal                                          |
|   | 1        | Set Y (B&W) Negative                            |
|   | 2        | Set C (Colour) Negative                         |
|   | 3        | Set Y&C Negative                                |
| 1 | 0 - 99   | Adjust Brightness (Normal = 50)                 |
| 2 | 0 - 99   | Adjust Contrast (Normal = 50)                   |
| 3 | 0 - 99   | Adjust Colour Saturation (Normal = 50, B&W = 0) |
| 4 | 0 - 3    | Vertical Colour Shift (Lines)                   |
| 5 | -4 to +3 | Horizontal Colour Shift (100nS steps)           |
| 6 | 0        | Composite Video I/P - Normal                    |
| 6 | 1 - 9    | Composite Video I/P - Enhanced                  |
| 7 | 0 - 10   | S video I/P - Enhanced as composite signal      |
| 7 | 11       | S video I/P - Normal                            |
| 7 | 12 - 17  | S video I/P - Enhanced as S(Y/C) signal         |



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**VMX400 WIPE PATTERNS**

