

Individual presets are sent to & from the unit in groups of 45 hex bytes preceded by a control change, in the following format:

**Control Change:** CC 87 = 127 (sets "RECORD" mode)

|                 |    |   |              |                   |
|-----------------|----|---|--------------|-------------------|
| <b>Program:</b> | F0 | Sysex Header  |              |                   |
|                 | 21 | Siel ID   |              |                   |
|                 | 01 | Preset Data   |              |                   |
|                 | pp | Preset # 0-89 ( <b>00-59h</b> )                             | <u>Value</u> | <u>B</u> <u>A</u> |
| Switches        | ff | Flag 1: Footage A,B ----->                                  | 00           | 16 16             |
|                 | ff | Flag 2: (unused)  | 01           | 16 8              |
|                 | ff | Flag 3: ADSR/Dynamics (table 1)                             | 02           | 16 --             |
|                 | ff | Flag 4: VCF Keyboard Track: <b>00</b> = off, <b>01</b> = on | 03           | 16 4              |
|                 | ff | Flag 5: LFO III, VCO A triangle (table 1)                   | 04           | 8 16              |
|                 | ff | Flag 6: VCO B, VCO A pulse (table 1)                        | 05           | 8 8               |
|                 | ff | Flag 7: Modulation (table 1)                                | 06           | 8 --              |
|                 | ff | Flag 8: LFO I-II/LFO III Waves (table 1)                    | 07           | 8 4               |
| Knobs *         | ll | Filter Resonance  | 08           | -- 16             |
|                 | mm |   | 09           | -- 8              |
|                 | ll | " Cutoff  | 0A           | -- --             |
|                 | mm |   | 0B           | -- 4              |
|                 | ll | " ADSR Amount   | 0C           | 4 16              |
|                 | mm |   | 0D           | 4 8               |
|                 | ll | ADSR Release  | 0E           | 4 --              |
|                 | mm |   | 0F           | 4 4               |
|                 | ll | " Sustain   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Decay   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Attack  |              |                   |
|                 | mm |   |              |                   |
|                 | ll | DCO B Coarse  |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Fine  |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Pulse Width   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | Noise   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | DCO A Pulse Width   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | LFO III Rate  |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Depth   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | LFO I/II Rate   |              |                   |
|                 | mm |   |              |                   |
|                 | ll | " Depth   |              |                   |
|                 | mm |   |              |                   |
|                 | F7 | End Sysex   |              |                   |

Table 1: Switch Values (X=on, -- = off)

|         |              |              |            |              |
|---------|--------------|--------------|------------|--------------|
| Flag 3: | <u>VCA</u>   | <u>Filtr</u> | <u>Att</u> | <u>ADSR</u>  |
| Flag 5: | <u>Tri</u>   | <u>VCF</u>   | <u>B</u>   | <u>A</u>     |
| Flag 6: | <u>Half</u>  | <u>Pulse</u> | <u>Tri</u> | <u>Pulse</u> |
| Flag 7: | <u>III</u>   | <u>I/II</u>  | <u>B</u>   | <u>A</u>     |
| Flag 8: | <u>Pulse</u> | <u>Tri</u>   | <u>B</u>   | <u>A</u>     |

|    |    |    |    |    |
|----|----|----|----|----|
| 00 | -- | -- | -- | -- |
| 01 | -- | -- | -- | X  |
| 02 | -- | -- | X  | -- |
| 03 | -- | -- | X  | X  |
| 04 | -- | X  | -- | -- |
| 05 | -- | X  | -- | X  |
| 06 | -- | X  | X  | -- |
| 07 | -- | X  | X  | X  |
| 08 | X  | -- | -- | -- |
| 09 | X  | -- | -- | X  |
| 0A | X  | -- | X  | -- |
| 0B | X  | -- | X  | X  |
| 0C | X  | X  | -- | -- |
| 0D | X  | X  | -- | X  |
| 0E | X  | X  | X  | -- |
| 0F | X  | X  | X  | X  |

\* Knob values are sent as two bytes in reverse order: least significant (ll) first, then most significant (mm). Value range of all knobs is 0-255 (00 00 - 0F 0F h)

