Structure Registration Memory (Tyros 3)

# Structure

# SpfF chunk (Header)

* SpfF chunk: 22 bytes

|  |  |
| --- | --- |
| 53 70 66 46 | **SpfF** (ASCII coded) |
| 00 10 | number of following data bytes in this chunk |
| 0C 12 |  |
| 52 47 53 54 | **RGST** (ASCII coded) |
| 00 02 | could be: (according to SysEx messages)  Sub-ID #2 = General MIDI Off  type 1  Maj 7  Internal Clock Substatus  Lyrics Indication On/Off |
| 00 02 |  |
| 00 00 03 66 | number of bytes in the whole document; here: 870 bytes |
| 00 70 |  |

# BHd chunks (Sequence or Registration)

* Sequence chunk: 42 bytes
* thus: SpfF and sequence chunk take up 64 bytes (bytes 0x000 to 0x030)

|  |  |
| --- | --- |
| 42 48 64 | **BHd** (ASCII coded) |
| 00 / 01 | type: Registration or Sequence |
| 00 24 | number of bytes in this chunk 752 |
| … | Data |

## … Data for Sequence

* Sequence occurs only one time in the whole file

|  |  |
| --- | --- |
| FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF | * all data bytes filled up with FF: Registration Sequence disabled 🡪 end byte doesn’t matter * last byte: code for Sequence End * 00: Sequence End Stop * 01: Sequence End Top * 02: Sequence End Next Bank |

## … Data for Registration (GPm)

### GPm Header

|  |  |
| --- | --- |
| **47 50 6D** | GPm (ASCII coded) |
| **0B** | type |
| **00 2A** (42 Bytes following) | number of following data bytes in this chunk |

### GPm Data

**Drehregler:**

* Tyros: -64 bis 63
* Dezimal: 0 bis 127 (Mitte: 64)
* Hex: 00 bis 7F (Mitte: 40)

|  |  |  |  |
| --- | --- | --- | --- |
| **Funktion** | **Data-Byte** | **Wertebereich** | **Erklärung bzw. Wertbereich am Tyros** |
| **Title 01** | | | |
| Registration name | 1 | ASCII coded |  |
| **02** | | | |
|  | 1 | 7F | 02 bei Song Volumeänderung (von 52 auf 127)  04 bei Style Brightness Änderung |
|  | 2 | 03 | 7F bei Style Brightness Änderung |
|  | 3 | 04 |  |
|  | 4 | 02 | 7F bei Song Volumeänderung /von 52 auf 51 und von 52 auf 127)  7F if User Type DSP1 |
|  | 5 | 06 |  |
|  | 6 | 06 |  |
|  | 7 | 07 |  |
|  | 8 | 02 |  |
|  | 9 | 05 |  |
|  | 10 | 06 |  |
| **Song 04** | | | |
| Volume | 1 | 00 - 7F | 0 - 127 |
| Channel 1 off / on | 2 | 01 / 02 | off / on |
| Channel 2 off / on | 3 | 01 / 02 | off / on |
| Channel 3 off / on | 4 | 01 / 02 | off / on |
| Channel 4 off / on | 5 | 01 / 02 | off / on |
| Channel 5 off / on | 6 | 01 / 02 | off / on |
| Channel 6 off / on | 7 | 01 / 02 | off / on |
| Channel 7 off / on | 8 | 01 / 02 | off / on |
| Channel 8 off / on | 9 | 01 / 02 | off / on |
| Channel 9 off / on | 10 | 01 / 02 | off / on |
| Channel 10 off / on | 11 | 01 / 02 | off / on |
| Channel 11 off / on | 12 | 01 / 02 | off / on |
| Channel 12 off / on | 13 | 01 / 02 | off / on |
| Channel 13 off / on | 2 | 01 / 02 | off / on |
| Channel 14 off / on | 2 | 01 / 02 | off / on |
| Channel 15 off / on | 2 | 01 / 02 | off / on |
| Channel 16 off / on | 2 | 01 / 02 | off / on |
|  | 18 | F0 |  |
| **Song 05** | | | |
|  | 1 |  |  |
|  | 2 |  |  |
| Dateipfad | ab 3 | 43 3A 2F … 2E 4D 49 44 | C:/… .MID |
| **Standard Style 07** | | | |
|  | 1 |  |  |
|  | 2 |  |  |
|  | 3 |  |  |
| Style-Part | 4 | 00, 01, 02 (03)  08, 09, 0A, 0B  10, 11, 12, 13  18  20, 21, 22 (23) | Intro 1, Intro 2, Intro 3 (Intro 4)  Main A, Main B, Main C, Main D  A-Fill, B-Fill, C-Fill, D-Fill  Break Fill  Ending 1, Ending 2, Ending 3 (23) |
| ACMP an / aus | 5 | 7F / 00 | an / aus |
|  | 6 |  |  |
| Style-Nummer | 7 |  | 36 (90’s Disco) |
| Style-Nummer wiederholt | 8 |  |  |
| Fingering Type | 9 |  | 01: Single Finger  02: Multi Finger  03: AI Fingered  04: Fingered  06: Fingered On Bass  07: Full Keyboard  0C: AI Full Keyboard |
| Style-Part | 10 | 08, 09, 0A, 0B | A, B, C, D |
| Sync Start | 11 | 7F / 00 | ein / aus |
| Sync Stop | 12 | 7F / 00 | ein / aus |
|  | 13 |  |  |
|  | 14 |  |  |
|  | 15 |  |  |
| **Style Attributes 08** | | | |
| Volume | 1 | 00 -7F | 0 - 127 |
|  | 2 |  |  |
|  | 3 |  |  |
|  | 4 |  |  |
| Reverb | 5 | 00 - 7F | 0 - 127 |
| Chorus | 6 | 00 - 7F | 0 - 127 |
|  | 7 |  |  |
| Channel on / off | 8 | 00 - FF | see Appendix 🡪 Style Channel Numbers  e. g.: 00: all off, FF: all on |
|  | 9 |  |  |
|  | 10 |  |  |
|  | 11 |  |  |
| Volume Change | 12 | 00 / FF | 00: standard values  FF: changed values |
| Volume RHY1 | 13 | 00 - 7F | -64 - +63 |
| Volume RHY2 | 14 | 00 - 7F | -64 - +63 |
| Volume BASS | 15 | 00 - 7F | -64 - +63 |
| Volume CHD1 | 16 | 00 - 7F | -64 - +63 |
| Volume CHD2 | 17 | 00 - 7F | -64 - +63 |
| Volume PAD | 18 | 00 - 7F | -64 - +63 |
| Volume PHR1 | 19 | 00 - 7F | -64 - +63 |
| Volume PHR2 | 20 | 00 - 7F | -64 - +63 |
| Panpot Change | 21 | 00 / FF | 00: standard values  FF: changed values |
| Panpot RHY1 | 22 | 00 - 7F | -64 - +63 |
| Panpot RHY2 | 23 | 00 - 7F | -64 - +63 |
| Panpot BASS | 24 | 00 - 7F | -64 - +63 |
| Panpot CHD1 | 25 | 00 - 7F | -64 - +63 |
| Panpot CHD2 | 26 | 00 - 7F | -64 - +63 |
| Panpot PAD | 27 | 00 - 7F | -64 - +63 |
| Panpot PHR1 | 28 | 00 - 7F | -64 - +63 |
| Panpot PHR2 | 29 | 00 - 7F | -64 - +63 |
| Reverb Change | 30 | 00 / FF | 00: standard values  FF: changed values |
| Reverb RHY1 | 31 | 00 - 7F | -64 - +63 |
| Reverb RHY2 | 32 | 00 - 7F | -64 - +63 |
| Reverb BASS | 33 | 00 - 7F | -64 - +63 |
| Reverb CHD1 | 34 | 00 - 7F | -64 - +63 |
| Reverb CHD2 | 35 | 00 - 7F | -64 - +63 |
| Reverb PAD | 36 | 00 - 7F | -64 - +63 |
| Reverb PHR1 | 37 | 00 - 7F | -64 - +63 |
| Reverb PHR2 | 38 | 00 - 7F | -64 - +63 |
| Chorus Change | 39 | 00 / FF | 00: standard values  FF: changed values |
| Chorus RHY1 | 40 | 00 - 7F | -64 - +63 |
| Chorus RHY2 | 41 | 00 - 7F | -64 - +63 |
| Chorus BASS | 42 | 00 - 7F | -64 - +63 |
| Chorus CHD1 | 43 | 00 - 7F | -64 - +63 |
| Chorus CHD2 | 44 | 00 - 7F | -64 - +63 |
| Chorus PAD | 45 | 00 - 7F | -64 - +63 |
| Chorus PHR1 | 46 | 00 - 7F | -64 - +63 |
| Chorus PHR2 | 47 | 00 - 7F | -64 - +63 |
| DSP1 Active (see 1D) | 48 | 00 / FF | off / on |
|  | 49 | 00 |  |
|  | 50 | 00 |  |
|  | 51 | 00 |  |
|  | 52 | 00 |  |
|  | 53 | 00 |  |
|  | 54 | 00 |  |
|  | 55 | 00 |  |
|  | 56 | 00 |  |
|  | 57 | 7F |  |
|  | 58 | 7F |  |
|  | 59 | 7F |  |
|  | 60 | 7F |  |
|  | 61 | 7F |  |
|  | 62 | 7F |  |
|  | 63 | 7F |  |
|  | 64 | 7F |  |
| Style-Instrumente | 65 | 00, FD | Indicator? entscheidenden Einfluss auf Voices!! |
| Voice RHY1 | 66 | 00 | MSB |
| 67 | 72 | LSB |
| 68 | 19 | PRG (PRG from Data List - 1 !) |
| Voice RHY2 | 69 | 7F | MSB |
| 70 | 00 | MSB |
| 71 | 59 | PRG |
| Voice BASS | 72 | 00 | MSB |
| 73 | 73 | LSB |
| 74 | 00 | PRG |
| Voice CHD1 | 75 | 68 | MSB |
| 76 | 04 | LSB |
| 77 | 00 | PRG |
| Voice CHD2 | 78 | 68 | MSB |
| 79 | 00 | LSB |
| 80 | 03 | PRG |
| Voice PAD | 81 | 68 | MSB |
| 82 | 01 | LSB |
| 83 | 02 | PRG |
| Voice PHR1 | 84 | 68 | MSB |
| 85 | 02 | LSB |
| 86 | 00 | PRG |
| Voice PHR2 | 87 | 00 | MSB |
| 88 | 72 | LSB |
| 89 | 00 | PRG |
| Harmonic Content Change | 90 | 00 / FF | 00: standard values  FF: changed values |
| Harmonic Content RHY1 | 91 | 00 - 7F | -64 - +63 |
| Harmonic Content RHY2 | 92 | 00 - 7F | -64 - +63 |
| Harmonic Content BASS | 93 | 00 - 7F | -64 - +63 |
| Harmonic Content CHD1 | 94 | 00 - 7F | -64 - +63 |
| Harmonic Content CHD2 | 95 | 00 - 7F | -64 - +63 |
| Harmonic Content PAD | 96 | 00 - 7F | -64 - +63 |
| Harmonic Content PHR1 | 97 | 00 - 7F | -64 - +63 |
| Harmonic Content PHR2 | 98 | 00 - 7F | -64 - +63 |
| Brightness Change | 99 | 00 / FF | 00: standard values  FF: changed values |
| Brightness RHY1 | 100 | 00 - 7F | -64 - +63 |
| Brightness RHY2 | 101 | 00 - 7F | -64 - +63 |
| Brightness BASS | 102 | 00 - 7F | -64 - +63 |
| Brightness CHD1 | 103 | 00 - 7F | -64 - +63 |
| Brightness CHD2 | 104 | 00 - 7F | -64 - +63 |
| Brightness PAD | 105 | 00 - 7F | -64 - +63 |
| Brightness PHR1 | 106 | 00 - 7F | -64 - +63 |
| Brightness PHR2 | 107 | 00 - 7F | -64 - +63 |
| EQ Low Change | 108 | 00 / FF | 00: standard values  FF: changed values |
| EQ Low RHY1 | 109 | 00 - 7F | -64 - +63 |
| EQ Low RHY2 | 110 | 00 - 7F | -64 - +63 |
| EQ Low BASS | 111 | 00 - 7F | -64 - +63 |
| EQ Low CHD1 | 112 | 00 - 7F | -64 - +63 |
| EQ Low CHD2 | 113 | 00 - 7F | -64 - +63 |
| EQ Low PAD | 114 | 00 - 7F | -64 - +63 |
| EQ Low PHR1 | 115 | 00 - 7F | -64 - +63 |
| EQ Low PHR2 | 116 | 00 - 7F | -64 - +63 |
| EQ High Change | 117 | 00 / FF | 00: standard values  FF: changed values |
| EQ High RHY1 | 118 | 00 - 7F | -64 - +63 |
| EQ High RHY2 | 119 | 00 - 7F | -64 - +63 |
| EQ High BASS | 120 | 00 - 7F | -64 - +63 |
| EQ High CHD1 | 121 | 00 - 7F | -64 - +63 |
| EQ High CHD2 | 122 | 00 - 7F | -64 - +63 |
| EQ High PAD | 123 | 00 - 7F | -64 - +63 |
| EQ High PHR1 | 124 | 00 - 7F | -64 - +63 |
| EQ High PHR2 | 125 | 00 - 7F | -64 - +63 |
| **Voice global 0A** | | | |
|  |  |  |  |
| **Voices 0B / 0F / 17 (13 Left)** | | | |
| Aktiviert? | 1 | 00 / 7F | aus / ein |
| MSB | 2 | 00 |  |
| LSB | 3 | 73 (Dez: 115) |  |
| Programm | 4 | 00 |  |
| Portamento Time | 5 | 00 - 7F | 0 - 127 |
|  | 6 |  |  |
| Volume | 7 | 00 - 7F | 0 - 127 |
| Panpot | 8 | 00 und 01 / 40 / 7F  00 - 7F | links / mittig / rechts  L63 - R63 (L63 = L64) |
| Mono | 9/10 | 00 / 7F | aus / an |
| Harmonic Content | 11 | 00 - 7F | -64 - +63 |
|  | 12 |  |  |
| Brightness | 13 | 00 - 7F | -64 - +63 |
| Reverb | 14 | 00 - 7F | 0 - 127 |
| Chorus | 15 | 00 - 7F | 0 - 127 |
|  | 16 |  |  |
|  | 17 |  |  |
|  | 18 |  |  |
|  | 19 |  |  |
| EQ Low | 20 | 00 - 7F | -64 - +63 |
|  | 21 |  |  |
| EQ High | 22 | 00 - 7F | -64 - +63 |
|  | 23 |  |  |
|  | 24 |  |  |
|  | 25 |  |  |
| Pitch Bend Range | 26 | 00 – 0C | 0 - 12 |
| Tuning | 27 | 00 - 7F | -64 - +63 |
|  | 28 |  |  |
|  | 29 |  |  |
|  | 30 |  |  |
| Octave | 31 | 3E (62) / 3F (63) / 40 (64) / 41 (65) / 42 (66) | -2 / -1 / 0 / 1 / 2 |
|  | 32 |  |  |
|  | 33 |  |  |
|  | 34 |  |  |
|  | 35 |  |  |
|  | 36 |  |  |
|  | 37 |  |  |
|  | 38 |  |  |
|  | 39 |  |  |
|  | 40 |  |  |
|  | 41 |  |  |
|  | 42 |  |  |
| **Basic 1B Reverb** | | | |
|  | 1 | FF | 00 bei Änderung allgemein  00 bei Song Volumeänderung (von 52 auf 51 und von 52 auf 0 und von 52 auf 127)  00 bei Song Channeländerung |
|  | 2 | FB | FF wenn anderer Reverb  FD wenn nur Song abgespeichert wird  02 bei Änderung allgemein  04 bei Song Volumeänderung (von 52 auf 51 und von 52 auf 0 und von 52 auf 127)  04 bei Song Channeländerung  02 bei Style-Part Änderung (von A nach B)  02 wenn Style-DSP1-9 Änderung |
|  | 3 | FF |  |
|  | 4 | FF |  |
|  | **5** | 01 | **MSB** |
|  | **6** | 13 | **LSB** |
|  | 7 | 40 |  |
| **Basic 1C Chorus** | | | |
|  | 1 | FF | 00 bei Änderung allgemein  00 wenn anderer Reverb  00 bei Song Volumeänderung (von 52 auf 51 und von 52 auf 0 und von 52 auf 127)  00 bei Song Channeländerung |
|  | 2 | FB | 02 bei Änderung allgemein  02 wenn anderer Reverb  FF wenn anderer Chorus  04 wenn Song Volumeänderung (von 52 auf 51 und von 52 auf 0 und von 52 auf 127)  04 bei Song Channeländerung  02 bei Style-Part Änderung (von A nach B) |
|  | 3 | FF |  |
|  | 4 | FF |  |
|  | **5** | **41** | **MSB** |
|  | **6** | **00** | **LSB** |
|  | 7 | 40 |  |
| **Basic 1D DSP1-9** | | | |
|  | 1 | FF |  |
|  | 2 | FD | FB wenn Style-Part Änderung (von A nach B)  FE wenn StyleDSP1-9 Änderung |
|  | 3 | 00 |  |
|  | 4 | 00 |  |
|  | 5 | 00 |  |
| DSP 1 Type?? | 6 | 03 | 0C (12): DSP1 Flanger 1  19 (25): DSP1 Flanger 2  0A (10): DSP1 Clean2 (Distortion?)  06: DSP1 Reverb Hall1  09: DSP1 TempoDelay |
|  | 7 | FF | 00 if User Type |
|  | 8 | FF | 00 if User Type |
| DSP 1 | 9 | 62 | MSB |
| 10 | 1A | LSB |
|  | 11 | 00 |  |
|  | 12 | 7F |  |
|  | 13 | 40 |  |
|  | 14 | 00 |  |
| DSP1 Part | 15 | 18 (2C?) | 1C wenn Style-Part Änderung (von A nach B)  18: RHY1  19: RHY2  1A: BASS  1B: CHD1  1C: CHD2  1D: PAD  1E: PHR1  1F: PHR2 |
| **Basic 1E** | | | |
|  | 1 | 00 |  |
|  | 2 | 00 |  |
|  | 3 | 7F |  |
|  | 4 | 00 |  |
|  | 5 | 00 |  |
|  | 6 | 0A | 09 wenn Style DSP1-9 Änderung |
|  | 7 | FF |  |
|  | 8 | FF |  |
|  | 9 | 62 | 15 wenn Style DSP1-9 Änderung |
|  | 10 | 1A | 00 wenn Style DSP1-9 Änderung |
|  | 11 | 00 |  |
|  | 12 | 00 |  |
|  | 13 | 20 | 7F wenn StyleDSP1-9 Änderung |
|  | 14 | FF |  |
|  | 15 | FD | F9 wenn StyleDSP1-9 Änderung |
| **Basic 20** | | | |
|  | 1 | 00 |  |
|  | 2 | 7F | 00 wenn nur Song abgespeichert oder auch nicht? |
|  | 3 | 00 |  |
|  | 4 | 00 | 7F, dann 00 nach DSP1 User Type |
|  | 5 | 00 |  |
|  | 6 | 01 | 3E wenn Song Volumeänderung (von 52 auf 51)  0A wenn Song Volumeänderung (von 52 auf 127) |
|  | 7 | FF |  |
|  | 8 | FF |  |
|  | 9 | 63 | FF wenn Song Volumeänderung (von 52 auf 51)  62 wenn Song Volumeänderung (von 52 auf 127)  01 if DSP1 User Type |
|  | 10 | 10 | 11 wenn Song Volumeänderung (von 52 auf 51)  1A wenn Song Volumeänderung (von 52 auf 127) |
|  | 11 | 00 |  |
|  | 12 | 00 |  |
|  | 13 | 03 | 7F wenn Song Volumeänderung (von 52 auf 51)  (von 52 auf 51)  00 wenn Song Volumeänderung (von 52 auf 127)  7F is DSP1 User Type |
|  | 14 | FF |  |
|  | 15 | FA | FF bei Änderung allgemein  bei Änderung des Tempos  FD wenn nur Song abgespeichert  F9 wenn Song Volumeänderung (von 52 auf 51)  FF wenn Song Volumeänderung (von 52 auf 127) |
| **Basic 21** | | | |
|  | 1 | 00 |  |
|  | 2 | 7F |  |
|  | 3 | 00 |  |
|  | 4 | 00 |  |
|  | 5 | 00 |  |
|  | 6 | 09 | 0D wenn Song Volumeänderung (von 52 auf 127) |
|  | 7 | FF |  |
|  | 8 | FF |  |
|  | 9 | 15 |  |
|  | 10 | 00 | 10 wenn Song Volumeänderung (von 52 auf 127) |
|  | 11 | 00 |  |
|  | 12 | 00 |  |
|  | 13 | 01 |  |
|  | 14 | FF |  |
|  | 15 | FA | FF bei Änderung allgemein  bei Änderung des Tempos |
| **Basic 22** | | | |
|  | 1 | 00 |  |
|  | 2 | 7F |  |
|  | 3 | 00 |  |
|  | 4 | 00 |  |
|  | 5 | 00 |  |
|  | 6 | 15 |  |
|  | 7 | FF |  |
|  | 8 | FF |  |
|  | 9 | 42 |  |
|  | 10 | 10 |  |
|  | 11 | 00 |  |
|  | 12 | 00 |  |
|  | 13 | 02 |  |
|  | 14 | FF |  |
|  | 15 | FA | FF bei Änderung allgemein? |
| **Tempo 29** | | | |
| Tempo ? | 1 / 2 | 00 05 - 01 F4 | 5- 500 |
| Tempo Song | 3 / 4 | 00 05 - 01 F4 | 5 - 500 |
| Tempo Style | 5 / 6 | 00 05 - 01 F4 | 5-500 |
|  | 7 | 00 / 7F | aus / ein  Vermutung: nur ein, wenn Tempo Song nicht gleich Tempo Style |
| **Basic 3E** | | | |
|  | 1 | 00 |  |
|  | 2 | 00 | 7F wenn Style-Part Änderung (von A nach B) |
|  | 3 | 00 |  |
|  | 4 | 00 |  |
|  | 5 | 00 |  |
|  | 6 | 00 | 03 wenn Style-Part Änderung (von A nach B) |
|  | 7 | FF |  |
|  | 8 | FF |  |
|  | 9 | 40 | 62 wenn Style-Part Änderung (von A nach B) |
|  | 10 | 00 | 11 wenn Style-Part Änderung (von A nach B) |
|  | 11 | 00 |  |
|  | 12 | 00 |  |
|  | 13 | 7F | 1B wenn Style-Part Änderung (von A nach B) |
|  | 14 | FF |  |
|  | 15 | F9 | FB wenn Style-Part Änderung (von A nach B) |

# Appendix

## Style Channel Numbers

| **Hex** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 00 |  |  |  |  |  |  |  |  |
| **RHY 1 (Channel 1)** | | | | | | | | |
| 01 | **X** |  |  |  |  |  |  |  |
| **RHY 2 (Channel 2)** | | | | | | | | |
| 02 |  | **X** |  |  |  |  |  |  |
| 03 | X | **X** |  |  |  |  |  |  |
| **Bass (Channel 3)** | | | | | | | | |
| 04 |  |  | **X** |  |  |  |  |  |
| 05 | X |  | **X** |  |  |  |  |  |
| 06 |  | X | **X** |  |  |  |  |  |
| 07 | X | X | **X** |  |  |  |  |  |
| **CHD 1 (Channel 4)** | | | | | | | | |
| 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** |  |  |  |  |
| **CHD2 (Channel 5)** | | | | | | | | |
| 10 |  |  |  |  | **X** |  |  |  |
| 11 | X |  |  |  | **X** |  |  |  |
| 12 |  | X |  |  | **X** |  |  |  |
| 13 | X | X |  |  | **X** |  |  |  |
| 14 |  |  | X |  | **X** |  |  |  |
| 15 | X |  | X |  | **X** |  |  |  |
| 16 |  | X | X |  | **X** |  |  |  |
| 17 | X | X | X |  | **X** |  |  |  |
| 18 |  |  |  | X | **X** |  |  |  |
| 19 | X |  |  | X | **X** |  |  |  |
| 1A |  | X |  | X | **X** |  |  |  |
| 1B | X | X |  | X | **X** |  |  |  |
| 1C |  |  | X | X | **X** |  |  |  |
| 1D | X |  | X | X | **X** |  |  |  |
| 1E |  | X | X | X | **X** |  |  |  |
| 1F | X | X | X | X | **X** |  |  |  |
| **PAD (Channel 6)** | | | | | | | | |
| 20 |  |  |  |  |  | **X** |  |  |
| 21 | X |  |  |  |  | **X** |  |  |
| 22 |  | X |  |  |  | **X** |  |  |
| 23 | X | X |  |  |  | **X** |  |  |
| 24 |  |  | X |  |  | **X** |  |  |
| 25 | X |  | X |  |  | **X** |  |  |
| 26 |  | X | X |  |  | **X** |  |  |
| 27 | X | X | X |  |  | **X** |  |  |
| 28 |  |  |  | X |  | **X** |  |  |
| 29 | X |  |  | X |  | **X** |  |  |
| 2A |  | X |  | X |  | **X** |  |  |
| 2B | X | X |  | X |  | **X** |  |  |
| 2C |  |  | X | X |  | **X** |  |  |
| 2D | X |  | X | X |  | **X** |  |  |
| 2E |  | X | X | X |  | **X** |  |  |
| 2F | X | X | X | X |  | **X** |  |  |
| 30 |  |  |  |  | X | **X** |  |  |
| 31 | X |  |  |  | X | **X** |  |  |
| 32 |  | X |  |  | X | **X** |  |  |
| 33 | X | X |  |  | X | **X** |  |  |
| 34 |  |  | X |  | X | **X** |  |  |
| 35 | X |  | X |  | X | **X** |  |  |
| 36 |  | X | X |  | X | **X** |  |  |
| 37 | X | X | X |  | X | **X** |  |  |
| 38 |  |  |  | X | X | **X** |  |  |
| 39 | X |  |  | X | X | **X** |  |  |
| 3A |  | X |  | X | X | **X** |  |  |
| 3B | X | X |  | X | X | **X** |  |  |
| 3C |  |  | X | X | X | **X** |  |  |
| 3D | X |  | X | X | X | **X** |  |  |
| 3E |  | X | X | X | X | **X** |  |  |
| 3F | X | X | X | X | X | **X** |  |  |
| **PHR 1 (Channel 7)** | | | | | | | | |
| 40 |  |  |  |  |  |  | **X** |  |
| 41 | X |  |  |  |  |  | **X** |  |
| 42 |  | X |  |  |  |  | **X** |  |
| 43 | X | X |  |  |  |  | **X** |  |
| 44 |  |  | X |  |  |  | **X** |  |
| 45 | X |  | X |  |  |  | **X** |  |
| 46 |  | X | X |  |  |  | **X** |  |
| 47 | X | X | X |  |  |  | **X** |  |
| 48 |  |  |  | X |  |  | **X** |  |
| 49 | X |  |  | X |  |  | **X** |  |
| 4A |  | X |  | X |  |  | **X** |  |
| 4B | X | X |  | X |  |  | **X** |  |
| 4C |  |  | X | X |  |  | **X** |  |
| 4D | X |  | X | X |  |  | **X** |  |
| 4E |  | X | X | X |  |  | **X** |  |
| 4F | X | X | X | X |  |  | **X** |  |
| 50 |  |  |  |  | X |  | **X** |  |
| 51 | X |  |  |  | X |  | **X** |  |
| 52 |  | X |  |  | X |  | **X** |  |
| 53 | X | X |  |  | X |  | **X** |  |
| 54 |  |  | X |  | X |  | **X** |  |
| 55 | X |  | X |  | X |  | **X** |  |
| 56 |  | X | X |  | X |  | **X** |  |
| 57 | X | X | X |  | X |  | **X** |  |
| 58 |  |  |  | X | X |  | **X** |  |
| 59 | X |  |  | X | X |  | **X** |  |
| 5A |  | X |  | X | X |  | **X** |  |
| 5B | X | X |  | X | X |  | **X** |  |
| 5C |  |  | X | X | X |  | **X** |  |
| 5D | X |  | X | X | X |  | **X** |  |
| 5E |  | X | X | X | X |  | **X** |  |
| 5F | X | X | X | X | X |  | **X** |  |
| 60 |  |  |  |  |  | X | **X** |  |
| 61 | X |  |  |  |  | X | **X** |  |
| 62 |  | X |  |  |  | X | **X** |  |
| 63 | X | X |  |  |  | X | **X** |  |
| 64 |  |  | X |  |  | X | **X** |  |
| 65 | X |  | X |  |  | X | **X** |  |
| 66 |  | X | X |  |  | X | **X** |  |
| 67 | X | X | X |  |  | X | **X** |  |
| 68 |  |  |  | X |  | X | **X** |  |
| 69 | X |  |  | X |  | X | **X** |  |
| 6A |  | X |  | X |  | X | **X** |  |
| 6B | X | X |  | X |  | X | **X** |  |
| 6C |  |  | X | X |  | X | **X** |  |
| 6D | X |  | X | X |  | X | **X** |  |
| 6E |  | X | X | X |  | X | **X** |  |
| 6F | X | X | X | X |  | X | **X** |  |
| 70 |  |  |  |  | X | X | **X** |  |
| 71 | X |  |  |  | X | X | **X** |  |
| 72 |  | X |  |  | X | X | **X** |  |
| 73 | X | X |  |  | X | X | **X** |  |
| 74 |  |  | X |  | X | X | **X** |  |
| 75 | X |  | X |  | X | X | **X** |  |
| 76 |  | X | X |  | X | X | **X** |  |
| 77 | X | X | X |  | X | X | **X** |  |
| 78 |  |  |  | X | X | X | **X** |  |
| 79 | X |  |  | X | X | X | **X** |  |
| 7A |  | X |  | X | X | X | **X** |  |
| 7B | X | X |  | X | X | X | **X** |  |
| 7C |  |  | X | X | X | X | **X** |  |
| 7D | X |  | X | X | X | X | **X** |  |
| 7E |  | X | X | X | X | X | **X** |  |
| 7F | X | X | X | X | X | X | **X** |  |
| **PHR 2 (Channel 8)** | | | | | | | | |
| 80 |  |  |  |  |  |  |  | **X** |
| 81 | X |  |  |  |  |  |  | **X** |
| 82 |  | X |  |  |  |  |  | **X** |
| 83 | X | X |  |  |  |  |  | **X** |
| 84 |  |  | X |  |  |  |  | **X** |
| 85 | X |  | X |  |  |  |  | **X** |
| 86 |  | X | X |  |  |  |  | **X** |
| 87 | X | X | X |  |  |  |  | **X** |
| 88 |  |  |  | X |  |  |  | **X** |
| 89 | X |  |  | X |  |  |  | **X** |
| 8A |  | X |  | X |  |  |  | **X** |
| 8B | X | X |  | X |  |  |  | **X** |
| 8C |  |  | X | X |  |  |  | **X** |
| 8D | X |  | X | X |  |  |  | **X** |
| 8E |  | X | X | X |  |  |  | **X** |
| 8F | X | X | X | X |  |  |  | **X** |
| 90 |  |  |  |  | X |  |  | **X** |
| 91 | X |  |  |  | X |  |  | **X** |
| 92 |  | X |  |  | X |  |  | **X** |
| 93 | X | X |  |  | X |  |  | **X** |
| 94 |  |  | X |  | X |  |  | **X** |
| 95 | X |  | X |  | X |  |  | **X** |
| 96 |  | X | X |  | X |  |  | **X** |
| 97 | X | X | X |  | X |  |  | **X** |
| 98 |  |  |  | X | X |  |  | **X** |
| 99 | X |  |  | X | X |  |  | **X** |
| 9A |  | X |  | X | X |  |  | **X** |
| 9B | X | X |  | X | X |  |  | **X** |
| 9C |  |  | X | X | X |  |  | **X** |
| 9D | X |  | X | X | X |  |  | **X** |
| 9E |  | X | X | X | X |  |  | **X** |
| 9F | X | X | X | X | X |  |  | **X** |
| A0 |  |  |  |  |  | X |  | **X** |
| A1 | X |  |  |  |  | X |  | **X** |
| A2 |  | X |  |  |  | X |  | **X** |
| A3 | X | X |  |  |  | X |  | **X** |
| A4 |  |  | X |  |  | X |  | **X** |
| A5 | X |  | X |  |  | X |  | **X** |
| A6 |  | X | X |  |  | X |  | **X** |
| A7 | X | X | X |  |  | X |  | **X** |
| A8 |  |  |  | X |  | X |  | **X** |
| A9 | X |  |  | X |  | X |  | **X** |
| AA |  | X |  | X |  | X |  | **X** |
| AB | X | X |  | X |  | X |  | **X** |
| AC |  |  | X | X |  | X |  | **X** |
| AD | X |  | X | X |  | X |  | **X** |
| AE |  | X | X | X |  | X |  | **X** |
| AF | X | X | X | X |  | X |  | **X** |
| B0 |  |  |  |  | X | X |  | **X** |
| B1 | X |  |  |  | X | X |  | **X** |
| B2 |  | X |  |  | X | X |  | **X** |
| B3 | X | X |  |  | X | X |  | **X** |
| B4 |  |  | X |  | X | X |  | **X** |
| B5 | X |  | X |  | X | X |  | **X** |
| B6 |  | X | X |  | X | X |  | **X** |
| B7 | X | X | X |  | X | X |  | **X** |
| B8 |  |  |  | X | X | X |  | **X** |
| B9 | X |  |  | X | X | X |  | **X** |
| BA |  | X |  | X | X | X |  | **X** |
| BB | X | X |  | X | X | X |  | **X** |
| BC |  |  | X | X | X | X |  | **X** |
| BD | X |  | X | X | X | X |  | **X** |
| BE |  | X | X | X | X | X |  | **X** |
| BF | X | X | X | X | X | X |  | **X** |
| C0 |  |  |  |  |  |  | X | **X** |
| C1 | X |  |  |  |  |  | X | **X** |
| C2 |  | X |  |  |  |  | X | **X** |
| C3 | X | X |  |  |  |  | X | **X** |
| C4 |  |  | X |  |  |  | X | **X** |
| C5 | X |  | X |  |  |  | X | **X** |
| C6 |  | X | X |  |  |  | X | **X** |
| C7 | X | X | X |  |  |  | X | **X** |
| C8 |  |  |  | X |  |  | X | **X** |
| C9 | X |  |  | X |  |  | X | **X** |
| CA |  | X |  | X |  |  | X | **X** |
| CB | X | X |  | X |  |  | X | **X** |
| CC |  |  | X | X |  |  | X | **X** |
| CD | X |  | X | X |  |  | X | **X** |
| CE |  | X | X | X |  |  | X | **X** |
| CF | X | X | X | X |  |  | X | **X** |
| D0 |  |  |  |  | X |  | X | **X** |
| D1 | X |  |  |  | X |  | X | **X** |
| D2 |  | X |  |  | X |  | X | **X** |
| D3 | X | X |  |  | X |  | X | **X** |
| D4 |  |  | X |  | X |  | X | **X** |
| D5 | X |  | X |  | X |  | X | **X** |
| D6 |  | X | X |  | X |  | X | **X** |
| D7 | X | X | X |  | X |  | X | **X** |
| D8 |  |  |  | X | X |  | X | **X** |
| D9 | X |  |  | X | X |  | X | **X** |
| DA |  | X |  | X | X |  | X | **X** |
| DB | X | X |  | X | X |  | X | **X** |
| DC |  |  | X | X | X |  | X | **X** |
| DD | X |  | X | X | X |  | X | **X** |
| DE |  | X | X | X | X |  | X | **X** |
| DF | X | X | X | X | X |  | X | **X** |
| E0 |  |  |  |  |  | X | X | **X** |
| E1 | X |  |  |  |  | X | X | **X** |
| E2 |  | X |  |  |  | X | X | **X** |
| E3 | X | X |  |  |  | X | X | **X** |
| E4 |  |  | X |  |  | X | X | **X** |
| E5 | X |  | X |  |  | X | X | **X** |
| E6 |  | X | X |  |  | X | X | **X** |
| E7 | X | X | X |  |  | X | X | **X** |
| E8 |  |  |  | X |  | X | X | **X** |
| E9 | X |  |  | X |  | X | X | **X** |
| EA |  | X |  | X |  | X | X | **X** |
| EB | X | X |  | X |  | X | X | **X** |
| EC |  |  | X | X |  | X | X | **X** |
| ED | X |  | X | X |  | X | X | **X** |
| EE |  | X | X | X |  | X | X | **X** |
| EF | X | X | X | X |  | X | X | **X** |
| F0 |  |  |  |  | X | X | X | **X** |
| F1 | X |  |  |  | X | X | X | **X** |
| F2 |  | X |  |  | X | X | X | **X** |
| F3 | X | X |  |  | X | X | X | **X** |
| F4 |  |  | X |  | X | X | X | **X** |
| F5 | X |  | X |  | X | X | X | **X** |
| F6 |  | X | X |  | X | X | X | **X** |
| F7 | X | X | X |  | X | X | X | **X** |
| F8 |  |  |  | X | X | X | X | **X** |
| F9 | X |  |  | X | X | X | X | **X** |
| FA |  | X |  | X | X | X | X | **X** |
| FB | X | X |  | X | X | X | X | **X** |
| FC |  |  | X | X | X | X | X | **X** |
| FD | X |  | X | X | X | X | X | **X** |
| FE |  | X | X | X | X | X | X | **X** |
| FF | X | X | X | X | X | X | X | **X** |

## Setting-Groups (GPm-Blöcke)

| **GPm** | Song | Style | Voice | Tune Tr. | Scale | Harmony | Tempo | Pedal | MPad | MicS | LineO. |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 01 | X | X |  |  |  |  |  |  |  |  |  |
| 02 | X | X |  |  |  |  |  |  |  |  |  |
| 03 | X |  |  |  |  |  |  |  |  |  |  |
| 04 | X |  |  |  |  |  |  |  |  |  |  |
| 05 | X |  |  |  |  |  |  |  |  |  |  |
| 06 |  |  |  |  |  |  |  |  |  |  |  |
| 07 |  | X |  |  |  |  |  |  |  |  |  |
| 08 |  | X |  |  |  |  |  |  |  |  |  |
| 09 |  | x? |  |  |  |  |  |  |  |  |  |
| 0A |  |  |  |  |  |  |  |  |  |  |  |
| 0B |  |  |  |  |  |  |  |  |  |  |  |
| 0C |  |  |  |  |  |  |  |  |  |  |  |
| 0D |  |  |  |  |  |  |  |  |  |  |  |
| 0E |  |  |  |  |  |  |  |  |  |  |  |
| 0F |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  | X |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  | X |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |
| 1A |  |  |  |  |  |  |  |  |  |  |  |
| 1B | X | X |  |  |  |  |  |  |  |  |  |
| 1C | X | X |  |  |  |  |  |  |  |  |  |
| 1D | X | X |  |  |  |  |  |  |  |  |  |
| 1E | X | X |  |  |  |  |  |  |  |  |  |
| 1F | X | X |  |  |  |  |  |  |  |  |  |
| 20 | X | X |  |  |  |  |  |  |  |  |  |
| 21 | X | X |  |  |  |  |  |  |  |  |  |
| 22 | X | X |  |  |  |  |  |  |  |  |  |
| 23 |  |  |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |  |  |  |  |  |
| 28 |  |  |  |  |  |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |  |  |  |  |  |
| 2A |  |  |  |  |  |  |  |  |  |  |  |
| 2B |  |  |  |  |  |  |  |  |  |  |  |
| 2C |  |  |  |  |  |  |  |  |  |  |  |
| 2D |  |  |  |  |  |  |  |  |  |  |  |
| 2E |  |  |  |  |  |  |  |  |  |  |  |
| 2F |  |  |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |  |  |
| 31 |  |  |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |
| 33 |  |  |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |  |  |
| 35 |  |  |  |  |  |  |  |  |  |  |  |
| 36 |  |  |  |  |  |  |  |  |  |  |  |
| 37 |  |  |  |  |  |  |  |  |  |  |  |
| 38 |  |  |  |  |  |  |  |  |  |  |  |
| 39 |  |  |  |  |  |  |  |  |  |  |  |
| 3A |  |  |  |  |  |  |  |  |  |  |  |
| 3B |  |  |  |  |  |  |  |  |  |  |  |
| 3C | X | X |  |  |  |  |  |  |  |  |  |
| 3D | X | X |  |  |  |  |  |  |  |  |  |
| 3E | X | X |  |  |  |  |  |  |  |  |  |

# Schluss