

SCP and MSA #defines for the SpeakJet

This file can be used for your MBHP_IIC_SpeakJet Project:

```
/*
 * IIC_SpeakJetDefines.h
 * kII.2
 *
 * Created by Michael Markert, audiocommander.de on 20.05.06
 * Based on Speakjet control codes from July 27, 2004 version of Speakjet
Manual
 * and ASM-Version of Doug Elliott, VA3DAE
 *
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 */

#ifndef _IIC_SPEAKJETDEFINES_H
#define _IIC_SPEAKJETDEFINES_H

// ***** SPEAKJET SCP ***** //
// Serial Control Protocol
#ifdef _DEBUG_C
    #pragma mark -
#endif
#pragma mark SCP

// escape character ('\')
#define SCP_ESCAPE          0x5C
#define SCP_SEL0            0
#define SCP_SEL1            1
#define SCP_SEL2            2
#define SCP_SEL3            3
#define SCP_SEL4            4
#define SCP_SEL5            5
#define SCP_SEL6            6
#define SCP_SEL7            7
#define SCP_EXIT            X

#define SCP_READY           V
#define SCP_CLEAR_BUFFER    R
#define SCP_START           T
#define SCP_STOP            S
```

```
#define SCP_MEMTYPE      H
#define SCP_MEMADDR      J
#define SCP_MEMWRT       N

#define SCP_RESET        W

// ***** SPEAKJET MSA ***** //
// Mathematical Sound Architecture
#ifdef _DEBUG_C
    #pragma mark -
#endif

// 0 - 31 CONTROL CODES
#pragma mark MSA Control Codes

#define SJ_PAUSE0        0
#define SJ_PAUSE1        1
#define SJ_PAUSE2        2
#define SJ_PAUSE3        3
#define SJ_PAUSE4        4
#define SJ_PAUSE5        5
#define SJ_PAUSE6        6

#define SJ_NEXTFAST       7
#define SJ_NEXTSLOW       8
#define SJ_NEXTHIGH      14
#define SJ_NEXTLOW       15

#define SJ_WAIT           16

#define SJ_VOLUME         20
#define SJ_SPEED          21
#define SJ_PITCH          22
#define SJ_BEND           23

#define SJ_PORTCTR        24
#define SJ_PORT           25

#define SJ_REPEAT         26

#define SJ_CALLPHRASE     28
#define SJ_GOTOPHRASE     29

#define SJ_DELAY          30
#define SJ_RESET          31

// 32 - 127 (Reserved)
#pragma mark MSA (Reserved)
```

```
// 128 - 254 SOUNDCODES
```

```
#pragma mark MSA Sound Codes: Phonemes
```

```
#define SJP_IY          128
#define SJP_IH          129
#define SJP_EY          130
#define SJP_EH          131
#define SJP_AY          132
#define SJP_AX          133
#define SJP_UX          134
#define SJP_OH          135
#define SJP_AW          136
#define SJP_OW          137
#define SJP_UH          138
#define SJP_UW          139
#define SJP_MM          140
#define SJP_NE          141
#define SJP_NO          142
#define SJP_NGE         143
#define SJP_NGO         144
#define SJP_LE          145
#define SJP_LO          146
#define SJP_WW          147
#define SJP_RR          148
#define SJP_IYRR        149
#define SJP_EYRR        150
#define SJP_AXRR        151
#define SJP_AWRR        152
#define SJP_OWRR        153
#define SJP_EYIY        154
#define SJP_OHIY        155
#define SJP_OWIY        156
#define SJP_OHIH        157
#define SJP_IYEH        158
#define SJP_EHLL        159
#define SJP_IYUW        160
#define SJP_AXUW        161
#define SJP_IHWW        162
#define SJP_AYWW        163
#define SJP_OWWW        164
#define SJP_JH          165
#define SJP_VV          166
#define SJP_ZZ          167
#define SJP_ZH          168
#define SJP_DH          169
#define SJP_BE          170
#define SJP_B0          171
#define SJP_EB          172
#define SJP_0B          173
#define SJP_DE          174
#define SJP_D0          175
```

```
#define SJP_ED          176
#define SJP_OD          177
#define SJP_GE          178
#define SJP_GO          179
#define SJP_EG          180
#define SJP_OG          181
#define SJP_CH          182
#define SJP_HE          183
#define SJP_HO          184
#define SJP_WH          185
#define SJP_FF          186
#define SJP_SE          187
#define SJP_SO          188
#define SJP_SH          189
#define SJP_TH          190
#define SJP_TT          191
#define SJP_TU          192
#define SJP_TS          193
#define SJP_KE          194
#define SJP_KO          195
#define SJP_EK          196
#define SJP_OK          197
#define SJP_PE          198
#define SJP_PO          199
```

```
#pragma mark MSA Sound Codes: Robot
```

```
#define SJP_ROBOT_0      200
#define SJP_ROBOT_1      201
#define SJP_ROBOT_2      202
#define SJP_ROBOT_3      203
#define SJP_ROBOT_4      204
#define SJP_ROBOT_5      205
#define SJP_ROBOT_6      206
#define SJP_ROBOT_7      207
#define SJP_ROBOT_8      208
#define SJP_ROBOT_9      209
```

```
#pragma mark MSA Sound Codes: Alarms
```

```
#define SJP_ALARM_0      210
#define SJP_ALARM_1      211
#define SJP_ALARM_2      212
#define SJP_ALARM_3      213
#define SJP_ALARM_4      214
#define SJP_ALARM_5      215
#define SJP_ALARM_6      216
#define SJP_ALARM_7      217
#define SJP_ALARM_8      218
#define SJP_ALARM_9      219
```

```
#pragma mark MSA Sound Codes: Beeps
```

```
#define SJP_BEEP_0       220
```

```
#define SJP_BEEP_1      221
#define SJP_BEEP_2      222
#define SJP_BEEP_3      223
#define SJP_BEEP_4      224
#define SJP_BEEP_5      225
#define SJP_BEEP_6      226
#define SJP_BEEP_7      227
#define SJP_BEEP_8      228
#define SJP_BEEP_9      229

#pragma mark MSA Sound Codes: Biological
#define SJP_BIO_0       230
#define SJP_BIO_1       231
#define SJP_BIO_2       232
#define SJP_BIO_3       233
#define SJP_BIO_4       234
#define SJP_BIO_5       235
#define SJP_BIO_6       236
#define SJP_BIO_7       237
#define SJP_BIO_8       238
#define SJP_BIO_9       239

#pragma mark MSA Sound Codes: DTMF
#define SJP_DTMF_0       240
#define SJP_DTMF_1       241
#define SJP_DTMF_2       242
#define SJP_DTMF_3       243
#define SJP_DTMF_4       244
#define SJP_DTMF_5       245
#define SJP_DTMF_6       246
#define SJP_DTMF_7       247
#define SJP_DTMF_8       248
#define SJP_DTMF_9       249
#define SJP_DTMF_S       250
#define SJP_DTMF_R       251

#pragma mark MSA Sound Codes: Misc
#define SJP_SONAR_PING    252
#define SJP_PISTOLSHOT    253
#define SJP_WOW           254

// 255: End of Phrase
#pragma mark MSA EOP

#define SJ_EOP           255

#endif /* _IIC_SPEAKJETDEFINES_H */
```

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