SCP and MSA #defines for the SpeakJet

This file can be used for your C-based MBHP_IIC_SpeakJet Project: Feel free to edit and add defines!

```
/*
 *  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 ************* //
// Mathmatical 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_BO            171
#define SJP_EB            172
#define SJP_OB            173
#define SJP_DE            174
```

```
#define SJP_DO              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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