



## **NORMAL SG PROTOCOLS**

All of the SG machines can communicate with one another. They use the same ASCII protocols.

### **RUNNING TIME**

Protocol sent on any time change and periodically (twice every second).

Pos	FIELD	ASCII
1	START_OF_HEADER	SOH
2	IDENTIFICATION	DC3
3	ID_TIME	T
4	MINUTES_TENS	
5	MINUTES_UNITS	
6	TIME_PUNCT	:
7	SECONDS_TENS	
8	SECONDS_UNITS	
9	END_OF_TIME	EOT

### **MATCH NUMBER:**

Protocol sent on a match change only.

Pos	FIELD	ASCII
1	START_OF_HEADER	SOH
2	IDENTIFICATION	DC3
3	ID_MATCH	M
4	MATCH_TENS	
5	MATCH_UNITS	
6	END_OF_MATCH	EOT

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## SCORE:

Protocol sent on any change in score and periodically (twice every second).

Pos	FIELD	ASCII
1	START_OF_HEADER	SOH
2	IDENTIFICATION	DC3
3	ID_SCORE	S
4	RIGHT_SCORE_TENS	
5	RIGHT_SCORE_UNITS	
6	SCORE_PUNCT	:
7	LEFT_SCORE_TENS	
8	LEFT_SCORE_UNITS	
9	END_OF_SCORE	EOT

## LIGHTS:

Protocol sent only on a change in lights.

Pos	FIELD	ASCII
1	START_OF_HEADER	SOH
2	IDENTIFICATION	DC3
3	ID_LIGHTS	L
4	RED_ID	R
5	RED_LIGHT	0 or 1
6	GREEN_ID	G
7	GREEN_LIGHT	0 or 1
8	WHITER_ID	W
9	WHITER_LIGHT	0 or 1
10	WHITEG_ID	W
11	WHITEG_LIGHT	0 or 1
12	END_OF_LIGHTS	EOT

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## **PRIORITY:**

Protocol sent only on a change in priority.

<b>Pos</b>	<b>FIELD</b>	<b>ASCII</b>
<b>1</b>	START_OF_HEADER	SOH
<b>2</b>	IDENTIFICATION	DC3
<b>3</b>	ID_PRIORITY	P
<b>4</b>	PRIORITY	0 : no priority 1 : right priority 2: left priority
<b>5</b>	END_OF_PRIORITY	EOT

## **CARDS:**

Protocol sent only on a change in cards.

<b>Pos</b>	<b>FIELD</b>	<b>ASCII</b>
<b>1</b>	START_OF_HEADER	SOH
<b>2</b>	IDENTIFICATION	DC3
<b>3</b>	ID_CARDS	C
<b>4</b>	CARD_LEFT	0 : no priority 1 : yellow card 2 : red card 3: yellow and red cards
<b>5</b>	CARD_RIGHT	same
<b>6</b>	CARD_LEFT_COUNT	
<b>7</b>	CARD_RIGHT_COUNT	
<b>8</b>	END_OF_CARDS	EOT

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