

```
1 ' MATLAB Connection - HelloBoeBot.bs2
2 ' BASIC Stamp sends a text message to MATLAB.
3 '
4 ' By: Aaron Klapheck
5 ' Date: 8-26-08
6 '
7 ' {$STAMP BS2}
8 ' {$PBASIC 2.5}
9
10
11 FreqDetectable    CON    3000
12 PiezoSp           PIN    4           ' Speaker
13
14
15 ' -----[ Initialization ]-----
16
17 FREQOUT PiezoSp, 1500, FreqDetectable    'Signal program start/reset.
18
19 SEROUT sPin, Baud, [LF]                'Send a lone LF to signal MATLAB start
20
21 ' -----[ Program Code ]-----
22
23 sPin            CON    16           'Serial Pin - P16, Programming port
24 Baud            CON    84           'Baud mode for a rate of 9600, 8-N-1
25                                     'BS2P, BS2SX use 240 for 9600, 8-N-1
26
27 SEROUT sPin, Baud, ["Hello, this is a message from your Boe-Bot", LF]
28
29 END
```