

Grand Prix

Grand Prix offers you a race-track, a worthy opponent (in the shape of your micro's car), and as much speed as you can handle. Unlike the computer, you have a choice of gears (first or second), and it's up to you to select the type of course you want to compete on. If you crash you not only lose points, but you are replaced on the track in a random position, so you'll have to sort yourself out pretty snappily if you want to get back into the running.

```

1 REM *** BBC VERSION ***
2 REM *** GRAND PRIX ***
10 MODE 7:VDU 23;8202;0;0;0;0;
20 *FX11,0
30 VDU 23,224,0,110,132,252,252,132,110,0
40 VDU 23,225,40,108,240,58,223,76,24,8
50 VDU 23,226,60,90,90,24,90,126,90,0
60 VDU 23,227,20,54,15,92,251,50,24,16
70 VDU 23,228,0,118,33,63,63,33,118,0
80 VDU 23,229,16,24,50,251,92,15,54,20
90 VDU 23,230,0,90,126,90,24,90,90,60
100 VDU 23,231,8,24,76,223,58,240,108,40
110 VDU 23,232,60,66,189,165,165,189,66,60
120 DIM b$(2),i(2),i$(2):FOR f=0 TO 2:b$(f
)="DEMON DRIVER":i(f)=0:NEXT
130 GOSUB 570
140 CLS
150 INPUT "Enter skill (1-good to 4-bad) ";
sk:IF sk<1 OR sk>4 THEN GOTO 140
160 INPUT "How many laps? ";laps:IF laps<1
THEN GOTO 160
170 INPUT "1-Hard to 2-Easy circuit? ";ci:I
F ci<>1 AND ci<>2 THEN GOTO 170
180 MODE 1:VDU23;8202;0;0;0;0;19,1,7,0,0,0,19
,2,7,0,0,0,19,0,4,0,0,0,19,3,4,0,0,0:COLOUR 1
190 GOSUB 650
200 TIME=0:PRINT TAB(17,2)"READY":SOUND 1,-
15,100,4:REPEAT UNTIL TIME=100:PRINT TAB(17,2
)"STEADY ":SOUND 1,-15,100,4:REPEAT UNTIL TIM
E=200:PRINT TAB(17,2)"GO          ":SOUND 1,-15,10

```

124 Grand Prix

```
0,2:REPEAT UNTIL TIME=300:PRINT TAB(17,2) "
"
210 IF INKEY(-49) THEN g=1:SOUND 1,-15,200,
1
220 IF INKEY(-50) THEN g=2:SOUND 1,-15,200,
1
230 to=po-(INKEY(-67) AND po<151)+(INKEY(-9
8) AND po>144)
240 IF INKEY(-67) AND po=151 THEN to=to-7 E
LSE IF INKEY(-98) AND po=144 THEN to=to+7
250 po=to:IF x<5 THEN c=1
260 FOR f=1 TO g
270 y=y+(po>144 AND po<148)-(po>148):x=x+
(po<146 OR po=151)-(po>146 AND po<150)
280 IF FNscreen(x,y)=232 OR FNscreen(x,y)
=136 THEN y=y1:x=x1:SOUND 1,-15,70,1:po=INT(R
ND(7))+144
290 GCOL 0,0:PROCover(x1,y1,pol):GCOL 0,1
:PROCover(x,y,po)
300 y1=y:x1=x:pol=po
310 IFy=11 AND x>27 AND c=1 THEN SOUND 1,
-15,100,1:l1=l1+1:PRINT TAB(10,0);l1:c=0:IF 1
1=laps+1 THEN GOTO 410
320 NEXT f
330 cy=cy+(cpo>144 AND cpo<148)-(cpo>148):c
x=cx+(cpo<146 OR cpo=151)-(cpo>146 AND cpo<15
0)
340 IF FNscreen(cx,cy)=232 OR FNscreen(cx,c
y)=136 THEN SOUND 1,-15,50,1:cy=cyl:cx=cx1:cp
o=cpol
360 IF cy=13 AND cx=30 THEN RESTORE 810
370 GCOL0,0:PROCover(cx1,cyl,cpol):GCOL 0,1
:PROCover(cx,cy,cpo)
380 cyl=cy:cxl=cx:cpol=cpo
390 IF cy=11 AND cx=30 THEN l2=l2+1:SOUND 1
,-15,100,1:PRINT TAB(30,0);l2:IF l2 =laps+1 T
HEN GOTO 410
400 GOTO 210
410 FOR f=0 TO 255 STEP 5:SOUND 1,-12,f,1:T
IME=0:REPEAT UNTIL TIME>4:NEXT f
420 *FX15,1
430 MODE 7:VDU 23;8202;0;0;0;0;
440 sc=40/ci+60/sk
450 IF cy=11 AND cx=30 THEN sc=-sc
460 sc=sc+(l1-l2)*2
```

```

470 IF sc<0 THEN PRINT TAB(0,2);"Bad luck!
you were beaten."
480 IF sc>0 THEN PRINT TAB(0,2);"Well done!
you were the winner."
490 PRINT "Your score is ";sc
500 IF sc<i(2) THEN GOTO 550
510 PRINT TAB(0,5);"Your score is good enou
gh to be included in the top scores. Please e
nter your      name.":INPUT n$:IF LEN(n$)>15 TH
EN GOTO 510
520 IF sc>i(0) THEN i(2)=i(1):i(1)=i(0):i(0
)=sc:b$(2)=b$(1):b$(1)=b$(0):b$(0)=n$:GOTO 55
0
530 IF sc>i(1) THEN i(2)=i(1):i(1)=sc:b$(2)
=b$(1):b$(1)=n$:GOTO 550
540 i(2)=sc:b$(2)=n$
550 PRINT "These are the best scores.":FOR
f=0 TO 2:PRINT 'f+1;"...";b$(f);TAB(30);i(f)
:NEXT f
560 PRINT TAB(6,24);CHR$(136);"Press any ke
y to play again.":IF INKEY$(100)="" THEN GOT
O 560 ELSE GOTO 140
570 PRINT CHR$(141);CHR$(129);"      GRAND PRI
X - BY PAUL STANLEY - "'CHR$(141);CHR$(132);"
      GRAND PRIX - BY PAUL STANLEY - "
580 PRINT TAB(0,4);" Steer your car around
the race- track and try to be at a car drive
n by the      computer."
590 PRINT'CHR$(130);"      Turn left with.
.....Z"'';CHR$(131);"      Turn right with..
....X"''" You can select gears with 1(slow) a
nd 2(fast). The computer will stay in firsta
t all times. If you crash you will      restar
t in a random";
600 PRINT" direction, so you must sort yo
urself out as fast as      possible."
610 PRINT'CHR$(134);"      Your car is the
one on the left."
620 PRINT TAB(6,24);CHR$(136);" PRESS ANY K
EY TO START.";
630 IF INKEY$(1000)="" THEN GOTO 630
640 RETURN
650 VDU 28,4,31,35,5:PRINT TAB(0,1);
660 i$(0)="      iiii
ii
ii ii

```

```

                iii                      iiiiiii
            ii                ii      i   ii      ii
                ii      i      ii      ii      iiiiiiiiii
i      ii      i"
670 i$(1)="i      i      i      i      i
i      i      i      i      i      ii      i
            i      i      i      iii      i      iii      i
i      i      iiiiii      i      i      i      i      i      i
i      i      i      i      i      i      iiiiii      i      i
i      i      i"
680 i$(2)="ii      i      i      ii      ii      i
i      i      i      iiiiii      ii      iiiiii
            ii      i      i      iii
                ii      i      i      iii
            ii      ii      ii      iiiiiiiiiiiiiiiii      ii
iiiiiiiiiiiiii"
690 FORA%=0 TO 2:FOR B%=1 TO LEN(i$(A%)):IF
MID$(i$(A%),B%,1)="i" THEN PRINT CHR$(232);
ELSE PRINT CHR$(32);
700 NEXT:NEXT
710 PRINT TAB(27,11);"      "
720 IF ci=1 THEN PRINT TAB(6,3);CHR$232;CHR
$232;TAB(5,4);CHR$232;CHR$232;TAB(2,8);CHR$23
2;TAB(2,9);CHR$232;CHR$232;TAB(3,17);CHR$232;
TAB(3,18);CHR$232;TAB(18,8);CHR$232;TAB(28,13
);CHR$232;
730 DATA 3,9,3,24,6,5,6,6,7,4,8,4,9,5,9,6,9
,15,9,16,9,30,11,8,11,18,12,12,13,8,14,30,15,
5,15,6,15,18,16,4,17,4,17,12,17,20,17,27,18,5
,18,11
740 DATA 3,8,3,25,6,4,6,5,7,3,8,3,8,30,9,4,
9,5,9,16,9,17,10,18,12,8,12,13,13,8,13,18,13,
30,15,5,15,6,16,4,16,13,17,4,17,22,17,26,18,5
,18,11
750 DATA 2,12,2,26,5,3,5,9,6,30,7,1,7,17,7,
18,8,19,9,1,10,2,10,7,10,14,12,9,15,9,15,30,1
6,3,16,8,16,14,16,19,17,2,18,2,19,3,19,11,20,
23,20,25
760 DATA 2,6,2,27,4,2,4,4,5,1,5,30,7,16,7,1
8,9,20,9,1,9,14,10,2,10,7,13,10,14,10,16,30,1
6,3,16,8,17,14,17,20,18,1,19,1,19,22,19,27,20
,2,20,11
770 RESTORE (620+(sk*10))
780 COLOUR 3:FOR l=1 TO 26:READ y,x:PRINT T
AB(x,y);"-";:NEXT l:COLOUR 1

```

```

790 RESTORE 810
800 I=-1
810 DATA 1,1,7,-7,7,1,1,1,-1,-1,-1,-7,7,1,1
,1,1,1,-1,-1,-1,-1,1,1,1,1,1
820 po=146:cpo=146:y=10:x=28:cy=y:cx=30:y1=
y:x1=x:po1=po:cy1=cy:cx1=cx:cpo1=cpo:l1=1:l2=
l1:g=1:c=0
830 GCOL 0,1:PROCover(x,y,po):PROCover(x+2,
y,cpo)
840 PRINT TAB(0,0);"YOUR LAPS:";l1;"      COMP
UTER'S LAPS:";l2
850 RETURN
860 DEF FNscreen(X%,Y%)
870 VDU 31,X%,Y%:A%=135:C=USR(&FFF4):C=C AN
D &FFFF:C=C DIV &100
880 =C
890 DEF PROCover(X%,Y%,C%)
900 VDU5:GCOL 3,1
910 A%=(32+(X%*8))*4
920 B%=1023-(40+(Y%*8))*4
930 MOVE A%,B%:PRINT CHR$(C%+80);
940 VDU4
950 ENDPROC

```

