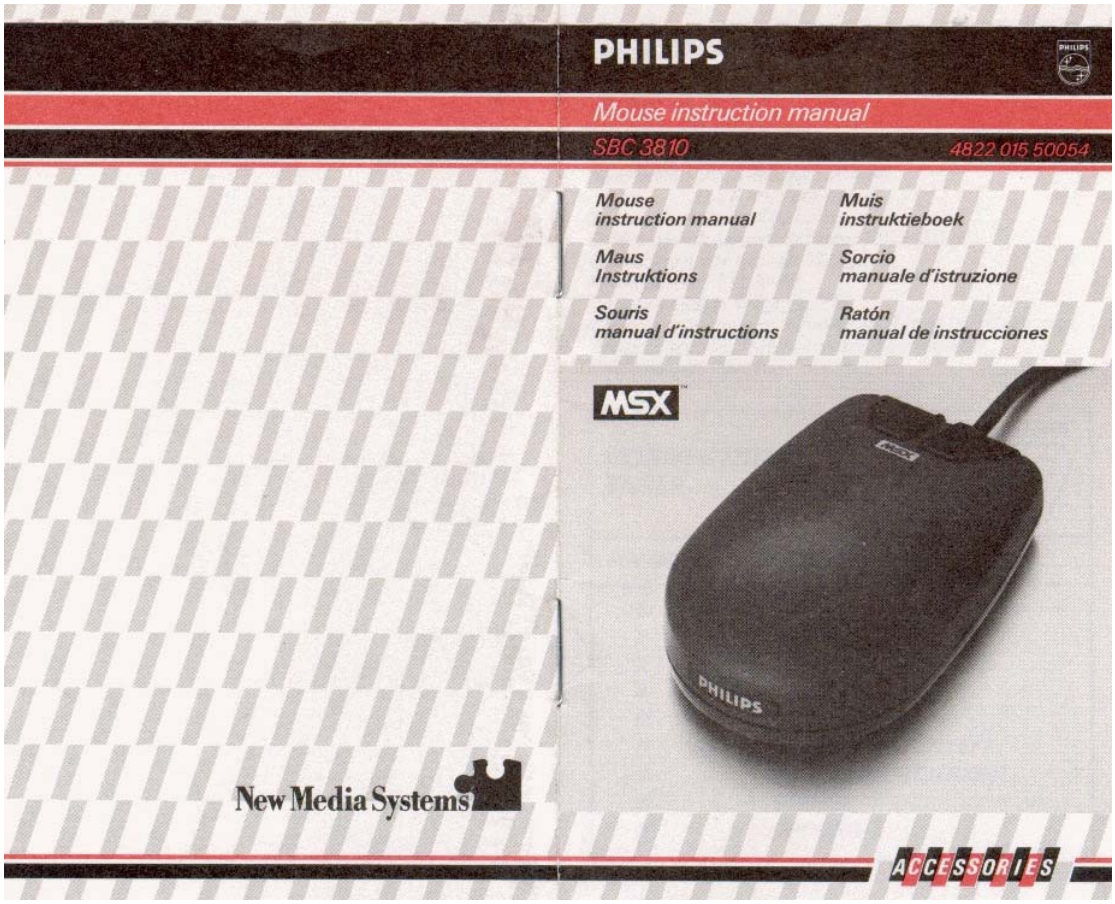


Scanned and converted to PDF by HansO, 2002

Caution

To avoid careless damage to the mouse please note the precautions mentioned below.

1. *The mouse is a very precise mechanical device, so handle with care. Do not drop or hit it.*
2. *Don't use the mouse in locations subject to extreme temperatures (either high or low), humidity, dust and vibration.*
3. *Do not carry the mouse by holding the cable.*
4. *Be sure that you place the mouse on a clean flat surface.*
5. *Do not disconnect the mouse from the computer by simply pulling out the cable. It may cause damage to the cable and the connector.*

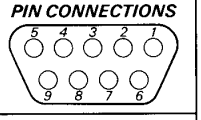
English

Technical specification

Interface: MSX standard
Sensor: optical rotary encoder
Resolution: 30 pulse/per rotation,
0,26 mm/per pulse
Speed of encoder: 120 r.p.m.
Select switch operating force: 120 ± 80 gf
Operating force mouse: 120 gf
Input/output: TTL level
Supply voltage: 5VDC ± 5%
Outside dimensions: 97x64x38.5 mm (WxDxH) max.
Weight: approx. 110g (w/o cable/connector)
Cable length: 110 cm.

CONNECTION TABLE

PIN CONNECTIONS



PIN NO.	FUNCTION
1	UP
2	DOWN
3	LEFT
4	RIGHT
5	+5V
6	BUTTON SWITCH LEFT
7	BUTTON SWITCH RIGHT
8	STROBE
9	GROUND

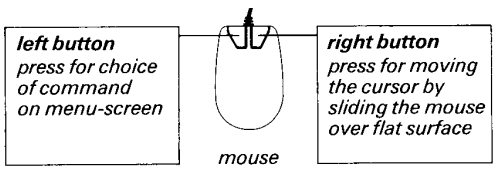
Philips MSX mouse SBC 3810

Operation Instructions

The mouse is used in combination with your MSX computer and will be connected to the joystick port, indicated in the user manual of the related application software package.
When sliding this mouse lightly over a flat surface, the cursor on the display/ T.V. – or monitor screen moves quickly in accordance with the motion of the mouse.
The SBC 3810 can easily be used if a level surface is available where the mouse can be moved about 25 cm/ 10 inches in all directions. However if the mouse cannot be moved as far as desired due to space limitation, it can be picked up and returned to the appropriate location.
This ergonomical designed mouse with two select switches is easy in operation by manipulating with one hand. The program below enables you to design graphics, which will be displayed on your T.V. – or monitor screen. In this program the mouse will be connected to joystick port 1.

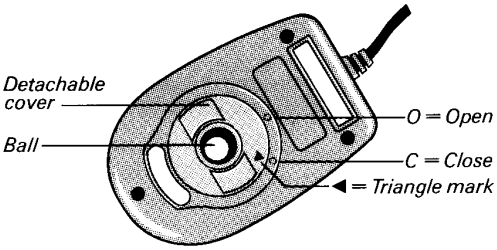
Sample MSX computer program

```
10 ON ERROR GOTO 20
20 DEFINT A-Z
30 OPEN "grp:" FOR OUTPUT AS #1
40 SCREEN 2:CLS
50 A$=""
60 FOR I=1 TO 8
70 READ A:A$=A$+CHR$(A)
80 NEXT I
90 SPRITE$(0)=A$
100 IF PAD (12)=0 THEN 100
110 X=X+PAD(13):Y=Y+PAD(14)
120 IF X>256 THEN X=256
130 IF Y>192 THEN Y=192
140 IF X<0 THEN X=0
150 IF Y<0 THEN Y=0
160 PUT SPRITE 0, (X-4, Y-4), 15
170 IF NOT STRIG(1)=-1 THEN X1=X:Y1=Y:GOTO 100
180 LINE (X1, Y1)-(X,Y):X1=X:Y1=Y
190 GOTO 100
200 DATA 16, 16, 16, 238, 16, 16, 16, 0
```



Cleaning the mouse

In order to ensure optimal operation of this mouse, a periodic cleaning is necessary. This operation is very simple, by following the steps below.



1. *Turn the mouse upside down in your hand with the cable pointing towards you.*
2. *Place two fingers on the arrow symbols on either side of the roller opening on the bottom of the mouse.*
3. *Hold one hand over the mouse and turn it over so the ball drops into your hand.*
4. *Use a clean, soft, and dry cloth to wipe the ball clean. Never use a cleaning fluid or lint-erasing tissue.*
5. *Gently blow into the mouse housing to get rid of any dust.*
6. *Replace the ball in its housing, then reinsert the detachable cover and lock it by turning from mark "O" to "C".*