## MEMOTECH GRAPHICS SCREENDUMP

This routine dumps a copy of the Memotech graphics screen to an Epson printer. It produces a double-sized copy of the original which can either be black on white or vice versa.

The easiest way to read the
graphics screen onthe Memotech is to use Control-B. This, when sent to the screen, has the same effect as GR\$(x,y,n), and expects three more bytes where $x, y$ are the coordinates of the point to be read and $n$ is the number of bits to be read down.

Before the routine is called. VS4oragraphics screen must bepresentor an errorwill occur.

ChrisAmor

```
MTX TD EFSON SRFEEN DLMP
The routine has four modes of operation.
The second byte holds the type in this case.
(0) This uses algorithm to match alternate points.
(1) Uses block of four points per screem pixel.
(2) Inverse of type 0.
(3) inverse of type 1.
writen by Chris Amor. July 1984.
SO CODE
```

$864 B$
864D
864E
8650
8652
8654
8656
865A
8650
865 E
$865 F$
8661
8662
8663
8664
8666

```
\begin{tabular}{|c|c|c|c|c|}
\hline \(\underline{L D} A, O\) & ; TYPE OF & PRINT & & \\
\hline EX AF, AF & & & & \\
\hline LD B,O & : BOT & DUMP & & \\
\hline LD E,O & : LEFT & & & \\
\hline LD C,255 & ;RIGHT & & & \\
\hline LD IX, EFD75 & & ; PRORPL & (OUTPUT & DEVICE) \\
\hline LD HL, £O3FC & & : ADJUST & SIZE OF & DUMF \\
\hline LD A, B & & & & \\
\hline AND L & & & & \\
\hline AND 191 & & & & \\
\hline LD B,A & & & & \\
\hline LD A,D & & & & \\
\hline OR H & & & & \\
\hline AND 191 & & & & \\
\hline LD D,A & & & & \\
\hline
\end{tabular}
```



```
866A
8866D 
l
POF HL
ROW: JR INSTART, SEC E UNT, SET UP NEXT ROW FOINTER
INSTART:PEC B
INSTART:PUSH EC
867F
8680
COL:
7
86A11
86A5
86AA
86AC
FINISH:
LD A,L
RST 10 ;SELECT EFSON GRAFHICS MODE
```



```
RST10
```



```
    FUSH EC 
    LD (IX+O),1 ; SELECT FRIN
    MOPEO
    LD A,C
    INCCC
SR COL
    SUE H
TIDYUP: SR NZT,ROW ;FOR NEXT ROW
ABYTE:
DB f86,10,13
TIDYUP
#
#
NEXT1:
NEXT2:
NEXTS:
NEXT4:
```



```
    GIT O,C ;ROUTINE DOUBLES HEIGHT AND LENGTH GF FLOt
*
N
NOINV:
TYFEO:
    z,NEXT1
BIT 1,C
M,
T 3,NEXT4
M,
EX AF,AF
JR Z,NOINY ; JUMP FOR BLACK INH
LD L,NOIN
EX AF,AF' ; MATCHES INTERMEDIATE FOINTS
M, 'INVERSE BYTE IF H=fFF
LD A,'A
AND B
    LD D,A
SRL A
OR D
LD D,A
AND B
OR D
LD A,B
MOP HL
MROP DE (BC HOLDS PAIR OF BYTES
    #NO
A TYPE1:
BYTE:
EXAF,AF
LDC,A
POP HL
l RET 
8713
Symbols
\begin{tabular}{|c|c|c|c|}
\hline & & & \\
\hline BYT & 8712 & INSTART & 86 \\
\hline ROW & 867A & COL & 8693 \\
\hline ABYTE & 86 C 6 & FINISH & 86B \\
\hline XT1 & 86CF & NEXT2 & 86 D \\
\hline NEXT3 & 86DB & NEXT4 & 86E \\
\hline NOINV & 86EB & TYPE 1 & 870 \\
\hline TYPEO & 86EF & TIDYU & 86 \\
\hline
\end{tabular}
```



