

XFD Transfer#

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Deutsche Anleitung#

XFormer Transfer 1.0 (c) 1994-2003 by Phoenix SoftCrew fuer ABBUC e.V.

XFormer Transfer ist ein Hilfsprogramm fuer alle Atari Fans, die mit dem XFormer Emulator ATARI Programme auf einen PC bringen moechten.

Das Programm liest eine ATARI Single Density Diskette und schreibt sie in eine XFD Datei. Diese Datei kann nun per Diskette oder Datenuebertragung auf einen PC uebertragen werden.

Bedienung:

Mit der Taste 'Q' kann das Quell- laufwerk angegeben werden, mit der Taste 'Z' kann man eine neue Zieldatei angeben. Ein Druck auf die Taste 'S' startet den Kopiervorgang. Das Programm wird mit der ESC-Taste verlassen.

Am einfachsten ist es die erstellte Datei mit der ABBUC-PC Diskette auf den PC zu ueberspielen. Der XFormer 2 Emulator kann die erstellten Dateien als virtuelle Disketten benutzen.

September 1994, Carsten Strotmann

Englisch Description#

XFormer Transfer 1.0 (c) 1994-2003 by Phoenix SoftCrew for ABBUC e.V.

XFormer Transfer is an Utility Program for all ATARI Fans who wants to run ATARI programs with the help on an emulator to a PC.

The Programm reads an ATARI Single Density Disk and writes its content into a XFD-File. This File can than be transfered to a PC by a Disk or RS232 cable.

Usage:

Choose the Sourcedrive with the Key "S", enter a Destination File with the Menu-Key "D". The Key "C" starts the Copy process. ESC exits the Programm (to DOS).

It is easy to transfer the created XFD File to the PC with the help of the ABBUC-PC Disk. The PC XFormer 2 Emulator can use this files as virtual Disks.

September 1994, Carsten Strotmann

XFDTRANS .ACT#

```
*****
;**
;** Phoenix SoftCrew ACTION! **
;** Programs and Tips for 8Bit **
;**
;** Carsten Strotmann **
;** atari@strotmann.de **
;**
*****

; Programname:XFD Transfer
; Programmer:CS
; Filename:XFDTRANS.ACT
; first Version:09.09.94
; last change:09.09.94/17.03.2003
; Use: Copies SD Disk to XFD
;       Diskfile for
;       PC XFormer 2
; Bemerkung:
;
;
INCLUDE "SYSTEM.ACT"

MODULE

BYTE drivenum,err,p_read
CARD maxsec,bytes
BYTE ARRAY percom($C),
            buff($1000),
            txt(40),
            destfile(40)

INCLUDE "XFDTRANS.INC"

PROC Read_Percom ()

    err=Sio (drivenum,$52,$40,7,buff,128,1)
    err=Sio (drivenum,$4E,$40,7,percom,12,0)

    maxsec=percom(0)*(percom(2)*$100+percom(3))
    maxsec==*(percom(4)+1)
    bytes =percom(6)*$100+percom(7)
    p_read=err
```

RETURN

PROC Write_Percom ()

err=Sio (drivenum,\$4F,\$80,7,percom,12,0)

RETURN

PROC CopyDisk()

BYTE ch=\$2FC,consol=\$D01F

CARD u,b,s,t,a

Close(2)

Open (2,destfile,8,0)

Read_Percom()

Write (0,15,"0.....1.....2.....3.....9")

Write (5,19,"...an ACTION! Program. ")

Write (5,20,"for ABBUC e.V., GPLed 2003 ")

u=0

t=0

b=bytes

DO

a=buff

Write (t,16,"L")

FOR s = 1 TO 18 DO

u ==+1

err=Sio (drivenum,\$52,\$40,\$7,a,b,u)

a==+\$80

OD

Write (t,16,"S")

Bput (2,buff,\$900)

Write (t,16,".")

t==+1

UNTIL u=maxsec OR ch=28 or consol=6

OD

Pause (200)

Write (0,15," ")

Write (0,16," ")

Write (0,19," ")

Write (0,20," ")

ch=\$FF

Close(2)

RETURN

PROC Mask ()

BYTE lmarg=82

CARD savmsc=\$58

lmarg=0

```
SetBlock (savmsc+120,240,0)

Write (0,0," Phoenix SoftCrew XFormer Transfer 1.0 ")

Write (5,4,"Source Drive:      (1-9)")
StrB (drivenum,txt)
Write (21,4,txt)

Write (5,6,"Dest. File      :")
Write (21,6,destfile)

Write (5,10,"Start Copy Process ....")
Write (5,20,"~[ESC] to end program      ")

Write (0,23,"      (c) 1994 Phoenix SoftCrew      ")
```

RETURN

PROC GetDriveNum()

```
C_On()
DO
  Position (21,4)
  GetIn (txt,1)
  drivenum = ValB(txt)
UNTIL drivenum > 0 AND drivenum < 9
OD
C_Off()
```

RETURN

PROC GetDestFile()

```
SCopy(destfile,"D8:")
Write (21,6,"      ")

C_On()
DO
  Position (21,6)
  GetIn (destfile,15)
UNTIL destfile(0) > 1
OD
C_Off()
```

```
Upper(destfile)
```

RETURN

PROC XFDTrans ()

```
BYTE key
BYTE ARRAY value (3)

drivenum = 1
SCopy (destfile,"D8:DISK1.XFD")
```

```
p_read=$FF
```

```

Put (125)
C_Off ()
Mask ()

DO
  key=Inkey ()

  IF key = 'S OR key = 's THEN
    GetDriveNum()
    Mask()
  FI

  IF key = 'D OR key = 'd THEN
    GetDestFile()
    Mask()
  FI

  IF key = 'C OR key = 'c THEN
    CopyDisk()
    Mask()
  FI

UNTIL key=27
OD

C_On ()

RETURN

```

XFDTRANS .INC#

```

; Includedatei fuer XFDTRANS.ACT
;---

MODULE
BYTE CIO_status

PROC siov=$E459 ()

BYTE FUNC Sio (BYTE num,comnd,stats,tim,CARD buf,byt,sec)

BYTE ddevic=$300,
      dunit=$301,
      dcomnd=$302,
      dstats=$303,
      dtimlo=$306

CARD dbuf=$304,
      dbyt=$308,
      daux=$30A

ddevic=$31
dunit=num
dcomnd=comnd
dstats=stats
dtimlo=tim
dbuf=buf

```

```
dbyt=byt
daux=sec
```

```
siov () ; ansprung der sioroutine
```

```
RETURN (dstats)
```

```
;---
```

```
PROC C_On ()
```

```
BYTE crsin=752
```

```
crsin=0
```

```
RETURN
```

```
PROC C_Off ()
```

```
BYTE crsin=752
```

```
crsin=1
```

```
RETURN
```

```
BYTE FUNC Inkey ()
```

```
BYTE atascii
```

```
Close (2)
```

```
Open (2,"K:",4,0)
```

```
atascii=GetD(2)
```

```
Close(2)
```

```
RETURN (atascii)
```

```
PROC Pause (CARD times)
```

```
BYTE wsync=$14,q
```

```
CARD u
```

```
FOR u=1 TO times
```

```
DO
```

```
FOR q=1 TO 200
```

```
DO
```

```
wsync=q
```

```
OD
```

```
OD
```

```
RETURN
```

```
PROC Beep (BYTE times)
```

```
BYTE u
```

```
FOR u= 1 TO times
```

```
DO
```

```
PutD (0,253)
```

```
Pause (10)
```

OD

RETURN

PROC Getin (BYTE ARRAY text,BYTE len)

BYTE ascii,pos,u,inv

pos=text(0)+1
inv=0

IF text(0)#0 THEN
Print (text)
FI

DO
ascii=Inkey ()

IF ascii=129 THEN
inv==!\$80

FI
IF ascii=\$1E AND pos>1 THEN
pos==--1

PutD (0,\$1E)
FI

IF ascii=\$7E AND pos>1 THEN
pos==--1

PutD (0,\$7E)
FI

IF ascii=\$1F AND pos#len+1 THEN
pos==+1

PutD (0,\$1F)
FI

IF ascii>26 AND ascii<32 THEN
ascii=128

FI
IF pos#len+1 AND ascii<\$7E THEN
ascii==+inv

PutD (0,ascii)
text(pos)=ascii

pos==+1
FI

text(0)=pos-1
UNTIL ascii=\$9B

OD

RETURN

PROC Write (BYTE x,y,BYTE ARRAY string)

BYTE u,chr
CARD savmsc=\$58
BYTE POINTER adr

adr=savmsc+y*40+x

FOR u=1 TO string(0)

DO
chr=string(u)

```

IF chr>=0 AND chr<32 THEN
  chr==+64
ELSEIF chr>31 AND chr<95 THEN
  chr== -32
ELSEIF chr>127 AND chr<160 THEN
  chr==+64
ELSEIF chr>159 AND chr<224 THEN
  chr== -32
FI
adr^=chr
adr==+1
OD
RETURN

```

```

BYTE FUNC Find (BYTE ARRAY str2,str1)

```

```

  BYTE len1,len2,z1,z2,flg,pos

```

```

IF str1(0)>=str2(0) THEN
  len2=str2(0)
  len1=str1(0)
  len1== -len2+1
  z1=0
  z2=0
  DO
    flg=$FF
    z1==+1
    FOR z2=1 to len2
      DO
        IF str1(z1+z2-1)#str2(z2) THEN
          flg=0
        FI
      OD
    UNTIL z1=len1 OR flg#0
  OD
  IF flg#0 THEN
    pos=z1
  ELSE
    pos=0
  FI
ELSE
  pos=0
FI

```

```

RETURN (pos)

```

```

PROC Upper (BYTE ARRAY text)

```

```

  BYTE u

  FOR u=1 TO text(0)
    DO
      IF text(u)>$60 AND text(u)<$7B THEN
        text(u)=-$20
      FI
    OD

```

```

RETURN

```



```
CHAR FUNC CIOQ=(BYTE dev, CARD addr,  
                size, BYTE cmd, aux1, aux2)  
~[$29$F$85$A0$86$A1$A$A$A$A$AA$A5$A5  
$9D$342$A5$A3$9D$348$A5$A4$9D$349  
$A5$A6$F0$8$9D$34A$A5$A7$9D$34B$98  
$9D$345$A5$A1$9D$344$20$E456  
$8C CIO_status$C0$88$D0$6$98$A4$A0  
$99 EOF$A085$60]
```

```
PROC BPut=(BYTE dev,  
           CARD addr, size)  
~[$48$A9$B$85$A5$A9$0$85$A6$A5$A3$5$A4  
$D0$2$68$60$68$4C CIOQ]
```