Usermanual

FloppytoUSBemulator

Model: SFRM 72-FU-DL code*:F 21

Floppydriverwithbelowfunctionneeded:

- Floppy driver with 34pin interface, and 5V DC power plug (example: SONY YE   -DATA ALPSTEACEPSONPANASONICNEC)
- Use2 DDflpppydiskwith   720KBca pacity
- Formatofdisk: Cylinders:80   Tracks:160   Sectors/Track: 9   Bytes/Sector: 512 Data transferrate:500kbps   Encodingmethod:MFM.

Features:

- Usenormal usbflashdriveasthemediumfortransferdesign,supportFAT16/FAT32format.
- 34pinfloppydri   verinterface,5VDCpowersupply,easytoinstall.
- Capacity: 720KB 2D D Cylinders: 80 Tracks: 160 Sectors/Track: 9 Bytes/Sector: 512 Data transferrate:500kbpsEncodingmethod:MFM.
- 720KBbuilt -inflashmemory,withFAT12format,usedforcachedatafrom   usbflashdrive.
- Within 720KBcapacityofFilesinrootdirectoryor999folderscanbesearched.
- Longfilenameand4   -leveldirectoryin999folderssupported.
- Jumperswithfunctionfordifferentmachines.
- 100 disk image file supported. (used for machine   with non FAT disk format, example for makebootdisk)

Panel:

8segmentnumbers: representfoldername
Greenled: statusofreadandwriteoperation
USBport: connectusbflashdrive
Button:
Whennousbflashdriveplugedonemulator:
Leftbutton used   toriseten -digit,rightbottonusedtorisesingle   -digit,press2buttontogetherto risehundred -digit,whenthehundred   -digitis 'b',theimagemodeused.
Whenanusbflashdriveplugedonemulator:
Leftbuttonusedtotransferdatafrombuilt   -in memory intousbflashdrive,rightbuttonusedto transferdatafromusbflashdriveintobuilt   -inmemory.

Operationinfilemode ：

- **Input sequence: files in usb flash drive transferred into built   -in memory, thenreadbymachine.**

1. poweron, **[** **=> 00.0.]**

2. select d irectory, **[000]** is root directory of usb flash drive, **[001 − 999]** is folder named001 –999,forexample:weselectrootdirectory **[000].**

3. plugusbflashdriveonemulator.

4. **[** **=> 000]** press **[right button], [** **=> d0]** to **[** **=> 000]** lessthan 720KBc apacityfilestransferedintobuilt   -inmemoryover.
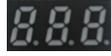
5. operatemachinetoreaddatainbuilt   -inmemory.

6. iftotalcapacityoffilesincurrentdirectoryexceed   720KB,onlythefilestotalcapacitywithin 720KB,willbetransferredintobuilt   -inmemory.
    forexa mple:30filesnamed1.*   -30.*inusbflashdrive,eachoneis0.1MB,total3MB,only firstcopied 7files1.* - 7.*will transferredintobuilt -inmemory,capacityis   0.7MB.

- **Outputsequence:filesinbuilt   -inmemorytransferredintousbflashdrive.**

1. poweron, **[** **=> 00.0.]**

2. select directory, **[000]** is root directory of usb flash drive, **[001 − 999]** is folder named001 –999,forexample:weselectrootdirectory **[000].**

3. plugusbflashdriveonemulator.

4. **[** **=> 000]** press **[left button], [** **=> d2]** to **[** **=> 000]** filesinbuilt -inmemorytransferedintousbflashdriveover.

## Operationinimagemode:(usedformachinewithnonFATdisk

format,exampleformakebootdisk)

- **Input sequence: image file in usb flash drive transferred into built   -in memory,th enreadbymachine.**

1. Make a folder named IMG   720 in usb flash drive, get the image file from disk and named 000.IMG or 099IMG etc, copy into folder IMG   720. (read relevant documents   to get image filefromdisk)

2. poweron, **[** **=> 00.0.]**

3. press 2 button togeth   er select **[b00]** , use image mode, **[b00 − b 99]** represent

imagefilenamed000.IMG – 099IMG ,forexample:we use000.IMG select **[b00].**

4. plugusbflashdriveonemulator.

5. [🔳🔳🔳 => ₆00] press **[right button]**, [🔳🔳🔳 => **d0**] to [🔳🔳🔳 =>

b00] theimagefile000 .IMGinfolderIMG 720is transferedintobuilt -inmemoryover **.**

6. operatemachinetoreaddatainbuilt -inmemory.

● **Outputsequence: image inbuilt -inmemorytransferredintousbflashdrive.**

1. poweron, **[** 🔳🔳🔳 => **00.0.** **]**

2. press 2 button together select **[b00]** , use image mode, **[b00 − b99]** represent

imagefilenamed000.IMG –099IMG,forexample:weuse000.IMG select **[b00].**

3. plugusbflashdriveonemulator.

4. [🔳🔳🔳 => **b00**] press **[left button]**, [🔳🔳🔳 => **d2**] to [🔳🔳🔳 =>

b00] imageinbuilt -inmemorytransferedin tousbflashdriveover ,000.IMGfilecreated .

Jumpersetting :

J5：---
JA：settogenereteREADYsignalon34pinoffloppydriverinterface
JC：---
JB：---
S0：Driverselect0
S1：Driverselect1
MO：Motor

JP-A	JP-B	JP-D	JP-J

(Jumper diagram showing JP-A, JP-B, JP-D, JP-J configurations with rows J5, JA, JC, JB, S0, S1, MO)
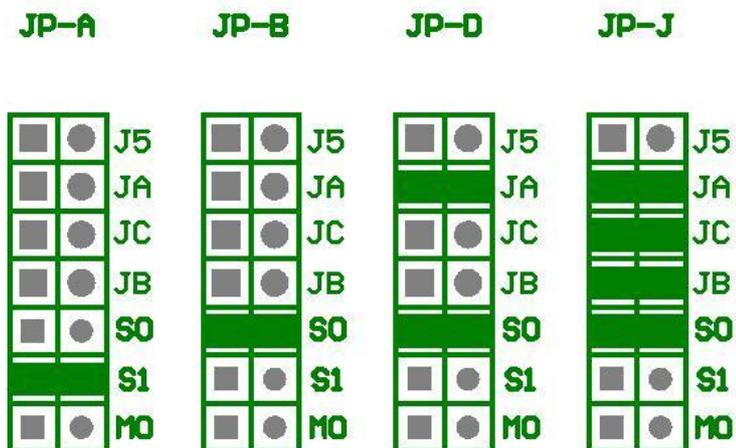
Firmwareversionofemulator :

Keeppressed2buttontog　ether,poweron,8segmentnumberswilldisplayfirmwareversionand dataofemulatortodetectdifferentmodel.

Errorcode：

E0：nospecifiedfileinusbflashdrive
E16：built-inmemoryfault