

# The **DARK** Side Of the MFX

**OS/9 COMMANDS and Various Utilities** 

# ATTR

Function: Display or change file attributes

Syntax: attr [<opts>] {<path> [<opts>] <permissions>}

Attributes: d s pe pw pr e w r

'-' turns attribute on'-n' turns attribute off

Options:

-a do not print attributes after changes
-x directory to search is execution directory
-z get list of file names from standard input
-z= <path> get list of file names from <path>

## CHD

Function: Change current directory

Syntax: chd <path>

## COPY

Function: Copy data from one path to another

```
Syntax: copy [<opts>] <srcpath> [<dstpath>] [<opts>]
```

**Options:** 

-a abort on error
-b= <size> buffer size
-f rewrite destination files with no write permission
-p don't print file names copied (with -w option only)
-r rewrite destination
-v verify integrity of files written
-w= <dir name> wild card copy to <dir name>
-x look in execution directory for source
-z get list of file names from standard input
-z= <path> get list of file names from <path>

#### CRC

Function: Generate crc for a file

Syntax: crc [-<options>] <file> [-<options>]

Options:

-f generate default output file -f= <file> specify output file -h display help -r replace output file

#### DATE

Function: Display system date and time

```
Syntax: date [<opts>]
```

Options:

-j print day, seconds past midnight in julian time -m print hour:minute:sec in military format

#### Dcheck

Function: Check directory/file integrity

Syntax: dcheck [<opts>] <devnam>

Options:

-d= <num> print path to dir <num> deep -r rebuild allocation map from file structure -y answer "y" to all questions in repair mode

#### DEL

Function: Delete files

Syntax: del [<opts>] {<file> [<opts>]}

Options:

-e erases the disk space that the file occupied
-f delete files with no write permission
-p show file name and ask before deleting
-x delete files from execution directory
-z get list of file names from standard input
-z= <path> get list of file names from <path>

#### DELDIR

Function: Delete a directory

Syntax: deldir [<opts>] {<dir> [<opts>]}

**Options:** 

-q delete directories without asking questions

-f delete files with no write permission

-z get list of directory names from standard input

-z= <path> get list of directory names from <path>

#### DF

Function: Print Disks/Tape Drives Found and Mounted on The System

Syntax: df [<opts>]

Options:

```
-e Debug Listing
```

-t= <name> Only display info with devices with file manager type <name>

-z Debug Enable

#### DIR

Function: Display directory contents

```
Syntax: dir [<opts>] {<dir names> [<opts>]}
```

**Options:** 

-a show all files
-d show directories with a slash
-e extended dir listing
-n treat dirs like files
-r recursive dir listings
-r= <num> recursive dir listing to depth <num>
-s unsorted dir listing
-u unformatted listing
-x directory is execution dir
-z get list of dir names from standard input
-z= <path> get list of dir names from <path>

## DISKINIT

Function: Initialise a disk drive

Syntax: diskinit <device> [ <size>] <device> = device name <size> = total sectors (DD.TOT) (dec or \$hex)

#### Options:

-a= <number of allocated sectors>  $-c = \langle sectors/cluster \rangle (default = 1)$ -d= <min sectors in root dir> -i ... <device> is image file -m= <max sectors in bit map> -n= <volume name> (default = 'Blank') -p= <partition start sector> (dec or \$hex) -q ... quiet - do not prompt user -r ... do not read device -s ... do not display parameters -v= <logical block size in bytes> -x ... do not use old DD parameters -z ... read DD.TOT from [scsi] drive -b Search for bad blocks before initialization. That might take few hours on larger disks. -w initializes partition as FLFS (>4 Gb). Only options -n, -q, -s from the above list can be used with this one

## DRT

Function: Test transfer rates.

Syntax: drt -< options> [device] -< options>

Options:

- -b= <num> Size of each read/write in Kb
  -a= <hex> Set Turbo SCSI Synchronous Period
  -o= <hex> Set Turbo SCSI Synchronous Offset
  -t= <num> Number of tracks to seek around
  -m= <num) Seek span per track in Mb</li>
  -r= <num) Number of bytes to read/write in Mb</li>
  -h Heavy seeking (see seek table)
  e Dont Limit Test to 4096 MB
  -i Do non seek test on last <option r> Mb of Disk
  -www Write to Disk !!!!!
  -p Dont Attempt to Find Sync Card Shared RAM
  -s Print Seek Table
  -l= <num> Run Task at priority <num> (default:1024)
  -x Dont restore synchronous variables on exit
- -d DMA into DCC Memory

#### DUMP

Function: Formatted display of contents of a device

```
Syntax: dump [<opts>] <path> [<starting offset>] [<opts>]
```

**Options:** 

-c don't compress duplicate lines -m dump from a memory resident module -s interpret starting offset as sector number

-x path implies execution directory

## ECHO

Function: Echo text to output path and convert hex to ASCII

```
Syntax: echo [<opts>] [<text>] [<opts>]
```

Options:

-n separate text with carriage returns
-r don't send out a return on exit
-z get text from standard input
-z= <file> get text from <file>

#### ED

Function: Edit a file

ed 3.1 Usage: ED [<opts>] <filename> opts: -t -- disable TABS -h -- enable hex math -d -- enable tvt debug output

## ERRMESG

Function: Translate error message usage: errmesg <options> errorcode<:errorcode> <options> errmesg num:num where num:num is two decimal numbers errmesg num where num is a single decimal number

If a single number is prefixed by 0x then that number is used as a full 16 bit HEX error code. The program can be made to exit with the supplied error code with -x.

#### **ESPFIND**

Function: Searches directory structure starting at start\_root for file names that match\_string.

usage: /dd/USR/CMDS/espfind <opts> start\_root match\_string

Options:

-d=N don't descend beyond the Nth directory level (default = 0, no limit)

#### FEATHER

Function: This command is to be used when using the TAPE and OVER record mode. When using TAPE/OVER mode, a continuous clip is created on punch in. For a cross fade to be created in these modes of recording, some very serious processing has to happen very quickly.

/dd/USR/CMDS/MFX/feather v1.00

Set MFX3 overwrite record crossfade parameters.

usage: /dd/USR/CMDS/MFX/feather [<samples> [<xlevel> [<xpoint>]]]

samples - no. of samples, 0..1023 (0 = no feather)

xlevel - crossover level in floating point dB, -1..-12

xpoint - crossover point as percentage of fade duration, 1..99

#### FDEF

Function: This command sets the system 'default' fade to the specified number. The FDEF command has been designed to be invoked while in a project. Upon execution of the command, the value is applied to all current default fades. Existing 'manual' or 'artistic' fades will remain unaffected by fdef. The fdef default is active until the MFX/MERLIN/SAT/STN/FAME/PRODIGY/DREAM application is quit and restarted, or fdef is executed again.

FDEF n <RETURN> where n is the length you want in subframes.

/dd/USR/CMDS/MFX/fdef v1.00 Sets the default fade to <num> usage: fd <num>

If you want to permanently change this value it must be set in MDR\_CFG.

```
*********** Fade Default duration - in timeunits.
*
* min 10, max 2000
* timeunits per subframe = @24fps:25 @25fps:24 @30fps:20
*
@FadeDefault 72
```

#### **Example:**

The default value of fdef is 72. This number has a minimum of 10, and a maximum 2000.

(Think of a Time Unit as a sample, hence the default is 72 samples) The number can be calculated by the following formula... time units per sub frame = @24fps:25 @25fps:24 @30fps:20 (remember there 80 subframes per frame)

*Example:*  $48000 (1 \text{ sec.}) \div 25 \text{ frames} = 1920 \text{ samples} \div 80 = 24 \text{ samples or timeunits} (1 \text{ subframe at } 25 \text{ fps.})$ 

In actual fact, zero (fdef 0) can also be used in both modes. This turns of default fades completely.

#### FORMAT

Function : Low level format

Syntax : FORMAT /SCX0 -c=128

Example :

#### INQ

Function : Shows detailed information on a media device.

Syntaxe : INQ /SCX0

```
Example:
# inq /sc20 (return)
« « « « « « « « « « Inquiry: Length ($90) » » » » 144 » » » » » » » » » »
Vendor ID: SEAGATE
Product ID: ST34573N
Firmware Rev: 6244...
...
...Total Device Size in Bytes: ($0F44B600) 256161280
```

## FIND

Function: Find a file

```
Syntax: find [<opts>] [<root directory>] <file>
```

Options:

-d show directories searched -a find all occurrences

#### FREE

Function: Report free space on disk

Syntax: free [<opts>] {<device> [<opts>]}

Options:

-b= <size> buffer size

# FTP

Function: Connect to a remote internet site and transfer files

```
Syntax: ftp [<opts>] [<host>] [<opts>]
```

**Options:** 

- -d: Turn on debug mode.
- -g: Turn off wildcard expansions (name globbing).
- -n: Disable Auto-login to host.
- -r: Overwrite the existing file on get command.
- -s: Do not pre-extend file on received data.
- -v: Verify verbose mode is enabled.

# LIST

Function: List a file

Syntax: list [<opts>] {<path>[<opts>]}

#### Options:

-z get list of file names from standard input -z= <path> get list of file names from <path>

# LOGIN

Function: Provides system login security

```
Syntax: login [<opts>] <name> [,] <password>
```

**Options:** 

-n operate in non-interactive mode (super user only)

# MAKDIR

Function: Create a directory

Syntax: makdir [<opts>] {<dir name> [<opts>]}

Options:

-x create directory in execution directory
-z get list of dir names from standard input
-z= <file> get list of dir names from <file>

# MARCH

Function: Create and retrieve achives.

```
Syntax: march [<file1>] [<files....>]
```

Options:

-a Allocate any type of memory for doing transfers
-d= dev Set Archive Device (default is /mt0)
-c Put Files on Archive Device
-e Print Extended Infomation for files on archive device
-h= num Dump first <num> bytes of file on Archive Device
-k Keep filenames as is when doing a transfer
-l List Library files within MDR Files
-x Extract files from Archive Device
-z Debug Enable

## **MOVE :**

Function: Move Data from one Folder to another

Syntax : MOVE <pathlist source> <pathlist destination>

## **OS9GEN**

Function: Creates boot on disk

```
Syntax: os9gen {<opts>} <device> {<path>} {<opts>}
```

**Options:** 

-b= <size> copy buffer size (default 64k)
-e extended boot (large >64k or fragmented)
-q= <path> quick gen .. set sector zero pointing to <path>
-r remove pointer to boot file (does not delete file)
-x pathlists relative to execution directory
-z[= <path>] read list of files from standard input or <path>

## PD

Function: Display current directory

Syntax: pd

#### RENAME

Function: Rename a file or directory

Syntax: rename [<opts>] <path> <name> [<opts>]

Options:

-x path starts from execution dir

## **SCSIDM**

Function: Test Sectors on a disk ..

Syntax : SCSIDM /SCX0

This test can take up to 45 minutes depending on the size and content of the drive. The time "resting" and percentage are displayed once the command is executed.

#### SETIME

Function: Set system date and time

Syntax: setime [<opt>] [yy mm dd hh mm ss] [am/pm]

**Options:** 

-d don't display time -s setime for battery backed-up clocks

#### **TCOPY**:

Function : Copy an entire folder

Syntax : TCOPY <Name of the Source folder > <Name of the destination folder >

#### **UPGRADE**

Function: Utility to Install an MFX release from File or Tape - Version 1.15

Syntax: upgrade -< options>

Options:

-f= <file> Absolute Pathlist to MFX3 Software Image

-d= <device> Search Root of <device> for release files

-n= <name> Name to Give new disk if and when it is formatted (default:MFX3)

-t Use tape device (default:/mt0)

-s Don't sort release files when browsing

-g Don't OS9GEN disk

#### **XRELEASE**

Function: Utility to Generate an MFX release File or Tape

Syntax: xrelease -< options>

Options:

-d= <num> Tape Density (see tapemode -? for codes)
-e Eject Tape After Writing
-f= <file> Name of release file to create (can be SBF device)
-l= <file> Name of release inventory file (default:release.list)
-r= <file> Name of existing release file to put to tape (used with -t option)
-u= <file> Name of source release file for update
-t Use this if option f is an SBF device
-z= <num> Compression 0=none 1=least 9=most (default:5)
-q tar print errors only

If only option t is specified then default SBF device is /mt0

The Default name of the release file when not a tape device is the name of the MFX revision in the current data directory.

If filename ends in '/' then it specifies the name of the directory in which the release file is to be created with default name

If a source release file is specified with option u then an update file is generated to update from the source release to the current release.

This command is normally invoked at the root directory.

When option t is used the data on the tape is NOT compressed.

# Fairlight Product Management 4 January, 2001 Only good after 15.6.02

# **FLFScheck Check flfs Disk File Structure**

SYNTAX: flfscheck [<opts>] <devname>

#### **DESCRIPTION:**

flfscheck is a diagnostic tool used to detect the condition and the general integrity of the directory/file

linkages of a disk formatted in Fairlight's FLFS format.

#### **OPTIONS:**

-f - Enable Fixing of the Partition - Backup any files you can First!

- -l List all Files on the Disk
- -ll Basic List
- -lll Extended List
- -c Copy File Specified by Options -m or -n
- -m Specify CLUSTER (obtained with -ll)

NOTE: Cluster number must be decimal value or

- -n Specify File Name to be Copied
- -o Specify Output File Name. Use with -c
- -d Dump debug information as flfscheck executes
- -r Include removed (deleted) files in -l output
- -v Print the Version of DISKINIT used to format the disk and exit

-z - Enable Debug Output -? - Prints this help Options Description:

-f

In cases where FLFSCHECK detects some anomaly in a directory or allocation structure this option should be specified in order to fix the structure. It is advisable to backup as many files as possible before an attempt to fix the partition is made. If an important file becomes "hidden" due to the corruption of its parent directory, the file should be copied to another disk using –c option.

No other options can be specified with -f option.

-l, -ll, -lll

Increases the amount of the debug output printed by the FLFSCHECK utility

-0

Specifies output file name. This option is to be used only with -c option

-n,-m

Specifies to use name or cluster number of the files to be copied. These options are to be used only with –c option.

-c

This option can be used to copy the files from a corrupted directory structure to another disk. During the copy FLFSCHECK will bypass FLFS OS9 File Manager and will reconstruct the layout of the file on the disk and copy sector by sector using the reconstructed fragment list for the file.

This option can be used in a two ways, by specifying an actual file name (-n) or by specifying the actual start cluster of the file (-m). It must be used with –o option and one of the options -n or -m. Usage with –m is recommended.

Example of file copy with –n option

First obtain the list of the files using flfscheck with –l or –ll option. Note that –ll option might take quite a long time to execute. It is advisable to redirect the output to a text file on another disk. In this example file cdaudio.MT is to be copied.

MFX:flfscheck /sd00 -ll Device: /sd00 Partition initialized with DISKINIT Rev 1.03 Master Boot Record: GOOD Listing MFTs on disk -l=2 START=00000000 END=00222c28 MFT=\$00000000 CLUST=\$00000004 . SMFT" ".\$MFTMirr" MFT=\$00000001 CLUST=\$00000005 ".\$LogFile" MFT=\$00000002 CLUST=\$0000006 '.\$Volume" MFT=\$00000003 CLUST=\$00000007 ".\$AttrDef" MFT=\$00000004 CLUST=\$00000008 ." MFT=\$00000005 CLUST=\$00000009 ".\$Bitmap" MFT=\$00000006 CLUST=\$0000000a ".\$Boot" MFT=\$00000007 CLUST=\$0000000b ".\$BadClus" MFT=\$00000008 CLUST=\$0000000c ".\$Quota" MFT=\$00000009 CLUST=\$0000000d ".\$UpCase" MFT=\$0000000a CLUST=\$0000000e "crashwav.MT" MFT=\$00000017 CLUST=\$0000002b "flfslog.txt" MFT=\$00000018 CLUST=\$0000002c

"crashwav.MT" MFT=\$00000019 CLUST=\$0000002d "O\_TON\_2\_1.omf" MFT=\$0000001a CLUST=\$0000002e "WAVS" MFT=\$0000001b CLUST=\$0000002f "10.wav" MFT=\$0000001c CLUST=\$00000030 "100.wav" MFT=\$0000001d CLUST=\$00000031 "1000.wav" MFT=\$0000001e CLUST=\$00000032 "10000.wav" MFT=\$0000001f CLUST=\$00000033 "12000.wav" MFT=\$00000020 CLUST=\$00000034 "1500.wav" MFT=\$0000021 CLUST=\$00000035 "15000.wav" MFT=\$00000022 CLUST=\$00000036 "17000.wav" MFT=\$00000023 CLUST=\$00000037 "200.wav" MFT=\$00000024 CLUST=\$00000038 "2000.wav" MFT=\$00000025 CLUST=\$00000039 "40.wav" MFT=\$00000026 CLUST=\$0000003a "400.wav" MFT=\$00000027 CLUST=\$0000003b "9000\_S12.WAV" MFT=\$00000028 CLUST=\$0000003c "5000.wav" MFT=\$00000029 CLUST=\$0000003d "70.wav" MFT=\$0000002a CLUST=\$0000003e "900.wav" MFT=\$0000002b CLUST=\$0000003f "crashwav2.MT" MFT=\$0000002c CLUST=\$00000040 "dilate.MT" MFT=\$0000002d CLUST=\$00000041 "1500.WAV" MFT=\$0000002e CLUST=\$00000042 "CMDS" MFT=\$0000002f CLUST=\$00000043 "BOOTOBJS" MFT=\$00000030 CLUST=\$00000044 "nil" MFT=\$00000031 CLUST=\$00000045 "null" MFT=\$00000032 CLUST=\$00000046 "cdaudio.MT" MFT=\$00000033 CLUST=\$00000047 "pipe" MFT=\$00000034 CLUST=\$00000048 "pipe2" MFT=\$00000035 CLUST=\$00000049 "pipeman" MFT=\$00000036 CLUST=\$0000004a "ram" MFT=\$00000037 CLUST=\$0000004b

Execute the flfscheck copy command with -n option MFX: flfscheck /sd00 -c -n="cdaudio.MT" -o="/sd20/anothername.MT"

#### Example of file copy with -m option

First obtain the list of the files using flfscheck with –l or –ll option. Note that –ll option might take quite a long time to execute. It is advisable to redirect the output to a text file on another disk. In this example file cdaudio.MT is to be copied. The cluster number for this file is \$47 (71 decimal).

```
MFX:flfscheck /sd00 -ll
Device: /sd00
Partition initialised with DISKINIT Rev 1.03
Master Boot Record: GOOD
Listing MFTs on disk -1=2 START=00000000 END=00222c28
".$MFT" MFT=$00000000 CLUST=$00000004
".$MFTMirr" MFT=$00000001 CLUST=$00000005
".$LogFile" MFT=$00000002 CLUST=$00000006
".$Volume" MFT=$00000003 CLUST=$00000007
".$AttrDef" MFT=$00000004 CLUST=$00000008
 ." MFT=$00000005 CLUST=$00000009
".$Bitmap" MFT=$00000006 CLUST=$0000000a
".$Boot" MFT=$00000007 CLUST=$0000000b
".$BadClus" MFT=$00000008 CLUST=$0000000c
".$Quota" MFT=$00000009 CLUST=$0000000d
".$UpCase" MFT=$0000000a CLUST=$0000000e
"crashwav.MT" MFT=$00000017 CLUST=$0000002b
"flfslog.txt" MFT=$00000018 CLUST=$0000002c
"crashwav.MT" MFT=$00000019 CLUST=$0000002d
"O_TON_2_1.omf" MFT=$0000001a CLUST=$0000002e
"WAVS" MFT=$0000001b CLUST=$0000002f
"10.wav" MFT=$0000001c CLUST=$00000030
"100.wav" MFT=$0000001d CLUST=$00000031
"1000.wav" MFT=$0000001e CLUST=$00000032
"10000.wav" MFT=$0000001f CLUST=$00000033
"12000.wav" MFT=$00000020 CLUST=$00000034
"1500.wav" MFT=$00000021 CLUST=$00000035
"15000.wav" MFT=$00000022 CLUST=$00000036
"17000.wav" MFT=$00000023 CLUST=$00000037
"200.wav" MFT=$00000024 CLUST=$00000038
```

"2000.wav" MFT=\$00000025 CLUST=\$00000039 "40.wav" MFT=\$00000026 CLUST=\$0000003a
"400.wav" MFT=\$00000027 CLUST=\$0000003b
"9000\_S12.WAV" MFT=\$00000028 CLUST=\$0000003c
"5000.wav" MFT=\$00000029 CLUST=\$0000003d "70.wav" MFT=\$0000002a CLUST=\$0000003e "900.wav" MFT=\$0000002b CLUST=\$0000003f "crashwav2.MT" MFT=\$0000002c CLUST=\$00000040 "dilate.MT" MFT=\$0000002d CLUST=\$00000041 "1500.WAV" MFT=\$0000002e CLUST=\$00000042 "CMDS" MFT=\$0000002f CLUST=\$00000043 "BOOTOBJS" MFT=\$00000030 CLUST=\$00000044 "nil" MFT=\$00000031 CLUST=\$00000045 "null" MFT=\$00000032 CLUST=\$00000046 "cdaudio.MT" MFT=\$00000033 CLUST=\$00000047 "pipe" MFT=\$00000034 CLUST=\$00000048 "pipe2" MFT=\$00000035 CLUST=\$00000049 "pipeman" MFT=\$00000036 CLUST=\$0000004a "ram" MFT=\$00000037 CLUST=\$0000004b

Execute the flfscheck copy command with -m option MFX: flfscheck /sd00 -c -m=71 -o="/sd20/anothername.MT"

#### -d

Dump various debug information as flfscheck executes.

#### -r

Include removed (deleted) files in -l output.

-v

Print the version of DISKINIT used to format the disk and exit

-z Enable debug output

-? Prints the help screen

Other examples:

#### 1. Example of output for a clean FLFS disk

```
MFX:flfscheck /sd00
Device: /sd00
Partition initialised with DISKINIT Rev 1.03
Master Boot Record: GOOD
Master MFT: GOOD
. . . . . . . . . . . . .
 ----- MFT Record Summary -----
Sector size : 512
Cluster size : 4096
Total File Entries : 400
Valid File Entries : 400
Used File Entries : 307
DIRECTORIES : 5
FILES : 395
Unused File Entries : 93
Reserved File Entries : 0
```

Invalid File Entries : 0 Directory Errors : 0 File Errors : 0

2. Example of output for disk initialized with out of date DISKINIT utility MFX:flfscheck /sd10 Device: /sd10 Partition initialised with DISKINIT Rev 0.00 \* WARNING: This disk MUST be re-initialised with DISKINIT. \* \* Use a version higher than v1.30. \* \* Make sure that all existing files on this disk are \* \* backed up before the disk is disk is re-initialised. \* Master Boot Record: GOOD Master MFT: GOOD ..... ..... ...... MFT Record Summary -----Sector size : 512 Cluster size : 4096 Total File Entries : 400 Valid File Entries : 400 Used File Entries : 307 DIRECTORIES : 5 FILES : 395 Unused File Entries : 93 Reserved File Entries : 0 Invalid File Entries : 0 Directory Errors : 0 File Errors :

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# NAMING CONVENTIONS – PROJECTS

Over the years, as the Fairlight systems have evolved, three different Disk Operating Systems have been used, MDRDOS, OS9/RBF and now FLFS. Each of these operating systems has somewhat different rules that apply to project naming in MFX. This can create a somewhat layered environment of potential traps. We will do our best to simplify this issue and we strongly suggest you read this section thoroughly.

The easiest way to prevent problems is to simply not use the following list of characters in project naming. Additionally, should you have any existing projects that use these characters, we recommend you rename them, removing all high risk characters. In some circumstances the use of these high risk characters can also create problems while exporting a text file in AudioBase. This will be discussed later. These are the high risk characters.

Their use is to be avoided !!!!

Most of these characters are prohibited and the keyboard will not allow you to use them (User Manual, pages 17 and 24). However some of these characters may have been used in a older revision of Fairlight software and brought into your Fairlight as the results of a restoration or been imported from another system as part of Fairlight Connectivity Initiative. The worst that can happen is that the project will disappear from your Project Page. Don't be concerned! The project is still in the system and can be recovered using the following steps:

Close all Open Projects

Quit to the Shell. Type Quit on the Command Line followed by <return>.

Confirm the Quit by typing <Y>.

When at the Shell Prompt (MFX:) type chd <space>/scXX (the address of the drive containing the missing project) followed by <return>.

At the Shell Prompt (MFX:) type dir<return>.

You will find your missing project in the directory but all the characters to the right of the illegal character will be missing, including the extension .MT.

7. You will now need to rename your file. (Taking care not to use any other illegal characters.)

The keystrokes are:

rename<space>missing project name (as found in the current directory) <space>new project name (adding the .MT manually)<return>.

Type Restart <return>.

Type <Y><return>.

# Un-deleting a file on a MFX3<sup>plus</sup> **RBF** formatted drive

If you accidentally delete a file from an RBF formatted drive you are in trouble as there is no easy way to recover the missing file. It is possible however, providing that the device with the deleted file(s) on them are not modified in any way after the deletion has occurred. This would imply: recording to the drive, copy, restore...

This procedure requires and assumes knowledge of the OS9 operating system and the file structure of an MFX3<sup>plus</sup> file system. If you have no knowledge of these items, do not proceed and call someone who does.

Notes:

\$ indicates a hexadecimal number > indicates what you should type on the machine

Quit to the shell. > quit

Using the Dump command, verify the deleted file(s) can still be seen on the drive, even though they cannot be seen in the MFX project directory of the drive in question.

> dump /scx0 (where x is the SCSI ID of the drive with the deleted file, i.e. /sc20) Note at what address the deleted file is at.

E.g. the ASCII dump display will look like something like this, if R1AB-MOVIE.MT is the original name of the deleted file. The first letter of the project name will be a '.' (period):

#### Address File name

\$00000200	R2AB-MOVIE.MT
\$00000220	.1AB-MOVIE.MT
\$00000240	R3AB-MOVIE.MT

Then you can use the Patch command to "poke" a number into the directory. You need to use the –d option on the patch command to tell it your are patching a directory and not a file. You also need to pick an ASCII value to "poke" in. You can try and use the correct ASCII for a particular character, but if you don't have a conversion table handy, then use the number 78 which is the ASCII equivalence for lower case x.

<u>Please note this poking of this value will only work in this example</u>. You will have to determine the correct address location of the deleted file on your system, and supply the appropriate location value of the patch command.

From the example above, if the file were on SCSI ID 2, then you would type:

> patch -d /sc20 220=78

This will change the dump to: (use the Dump command again)

Address File n	ame
\$00000200	R2AB-MOVIE.MT
\$00000220	x1AB-MOVIE.MT
\$00000240	R3AB-MOVIE.MT

At this time you need to reconnect the media to the file. Type:

> dcheck /scx0 -ry

This might take a while. When done, reboot the MFX and open the previously discarded file.

Note: If you are recovering several files in one session, you will need to do the 'dcheck' command between each file that you recover.

\*\*\*\*\*

# Using the SAT repair option.

SAT in Fairlight Disk Recorder terms stands for Space Allocation Table. It is the part of the project, which determines which areas of the disk are used by the project. The SAT can become corrupted for a variety of reasons, one such instance is if the machine is stopped during a recording by means, which are not normal - for example - the power fails.

In the example of a power failure the project has used more disk space because samples are continuously recorded to disk during a record, but the SAT is only updated when the Fairlight finishes recording. In this instance when the project is opened again the SAT does not match the number of blocks used by the project. The machine at this point refuses to open the project and displays an error message - "Error in Space Allocation Table".

The SAT can be repaired by the user by setting an MDR option, the details of which are below. In the example above it is fairly obvious why the SAT is no longer intact, there can be other instances when it is not so obvious why this error has come up. In these nebulous instances it is always advisable to cycle the power on the Mainframe section of the machine and see what happens on powering back up. There could be a bug, or a hardware failure that has caused the message to be inadvertently displayed.

> indicates what you type on the keyboard.

(space) = Space bar (return) = Return key

Boot up machine,

Set option R by typing,

>OPT (space) M (space) -R (return)

Open the project

If it opens it will say, briefly at the top of the screen, Space Allocation table fixed.

Close the project.

# Contents of MDR\_CFG

* MDR/MFX Software Configuration * * * * * * * * * * * * * * * * * * *
* * * * * * * * * * * * * * * * * * *
* * * ********************************
**************************************
*
=======================================
=======================================
*
*#@!!~FAIRLIGHT-BUG-FIXES~!!@#
*#@!!~~!!@#
*
*#@!!~FAIRLIGHT-CHANGES~!!@#
*Date: Wed May 5 11:35:11 1999 - andrewh Reviewer: *Change Output Dither from 18 to 24 bits for AIO2
*Change OutputDither from 18 to 24 bits for AIO2 *#@!!~~!!@#
#@::***::@# *
*#@!!~FAIRLIGHT-NEW-FEATURES~!!@#
*#@!!~~!!@#
*
*#@!!~FAIRLIGHT-TEST-NOTES~!!@#
*#@!!~~!!@#
*#@!!~FAIRLIGHT-RELEASE-NOTES~!!@#
*#@!!~~!!@# *
*
·
****** Modification History:
*
* 18:24:52 8 Feb 1994 - mcc: added @SP for DEC DLT2000
* 10:10:14 11 June 1994 - mcc: D option
* 17:52:17 21 July 1994 - mcc: H option
* 09:05:34 25 Aug 1994 - mcc: @TC directive
* 09:22:29 27 Oct 1994 - mcc: @MO directive
* 17:43:10 20 Dec 1994 - ajb: set DT to 480 * 12:17:10 17 Eab 1005 - ajb: set DT to 720
* 12:17:10 17 Feb 1995 - ajb: set DT to 720 * 00:15:51 4 Apr 1995 - ajc: option Q > mixed out mode
* 00:15:51 4 Apr 1995 - ajc: option Q -> mixed out mode * 14:05:13 25 Apr 1995 - cea: @OL=0 for release
* 08:14:23 3 May 1995 - mcc: @RC to disable/enable DIO recalibration
* 15:51:50 28 May 1995 - mcc: @OD to enable OLD 96K time-dilation

```
* 09:55:34 30 May 1995 - mcc: now ignores lowercase chars in directives
*
                  @AK to disable arm-track key delay
* 18:11:07 30 May 1995 - mcc: @FO replaces ']' option.
* 08:22:54 31 May 1995 - mcc: @DA define dilation algorithm modules
* 20:16:41 5 June 1995 - mcc: @PR set playback RAM limit
* 07:56:48 4 Aug 1995 - mcc: @OS select pre 12.0.49 startup order,
*
                 @IR set input ram floor,
                 @AI enable auto input detection.
*
*
                 @PR is defunct (except for testing @IR)
* ----- 13.0.00
* 10:44:14 12 Sep 1995 - mcc: ported
* 07:34:49 1 Dec 1995 - mcc: @PI,@RB
* 08:16:19 25 Mar 1996 - mcc: N option OFF
* 09:13:39 12 Apr 1996 - mcc: fix too long line in heading
* 16:35:42 28 Jun 1996 - mcc: set PlayInhibitThreshold to 17
* 16:04:47 3 Jul 1996 - mwh: default input type +4
* 16:39:08 15 Jul 1996 - mcc: removed defunct SP
* 07:14:31 22 Jul 1996 - mcc: removed defunct OL, see Pad on DIGI:OUTPUT
* 13:17:54 31 Aug 1996 - mcc: added MS
* ------ 14.2.09
* 17:03:15 23 Apr 1997 - mcc: Input_RAM_Floor = 8 for >16bits
* ----- 14.2.10
* 12:46:08 7 May 1997 - mcc: Input_RAM_Floor commented-out: use default
* ----- 14.2.14
* 07:27:42 8 Jun 1997 - mcc: console tvt enabled by default ('^' option)
* ----- 14.3.05c
* 06:29:50 12 Oct 1997 - mcc: MaxOverwrite=24, ensure no tabs
* 09:55:40 20 Feb 1998 - mcc: turn off TSB trace
* ----- 15.1.03q ?
```

\* 07:33:00 3 Jul 1998 - mcc: give F option to FFS

\* 17:51:55 6 Oct 1998 - spr: PlayInhibitThreshold now 0 (was 17)

\* Should this be switchable between Turbo SCSI and PCI SCSI systems ??? \*

\*\*\*\*\*\*\* MDR Options

\* \_\_\_\_\_

- \* A Arming/Recording & DIO debug
- \* B ENABLE extensive SAT checking
- \* C ENABLE Compile trace debug
- \* D DISABLE time adjustment after changing framerate
- \* E ENABLE Priming and DFN Debug
- \* F ENABLE FFS Debug
- \* G GFX Module Mgr Debug
- \* H unused
- \* I ENABLE Info instead of Clipnames
- \* J ENABLE Extended Tape/SCSI debug
- \* K Enable Scanner trace debug

- \* L Enable Compiler Linkage Verification
- \* M Enable Mode/Machine debug
- \* N DISABLE Auto-Restart DSPs on Error
- \* O Enable I/O Debug
- \* P Enable play task "dumps" display on tvt1
- \* Q unused
- \* R DISABLE Automatic SAT CHECK/REPAIR
- \* S DISABLE DCC Ramps
- \* T ENABLE Demon Trace
- \* U General MDR Debug output enable
- \* V Vari-Motion Debug
- \* W unused
- \* X Enable Extended MDR Debug
- \* Y DISABLE WAVEFORM DISPLAY
- \* Z ENABLE PLAY/DCC debug
- \* [ ENABLE loading very old projects
- \* \ Switch to UNDO Edit List in OPEN (for emergency use only)
- \* ] ENABLE DSP emulator-compatible mode (don't load DCC software)
- \* ^ ENABLE MFX TVT output
- \* \_ ENABLE MFX Semaphore Debug

\*\*\*\*\*\*\*\* Set Options from table above

```
*
```

@SetOptions R^

the DIGI:OUTPUT menu.

\*\*\*\*\*\*\* TSB Command trace enable (hex DCC mask)

\*

@TsbCmdTrace 0000

```
******* TBASE lock drift threshold (in TIMEUNITS, 0 = none)
```

\*

\* (timeunits = milliseconds x 48)

```
.
Должети 1
```

@DriftThreshold 720 (15ms)

\*\*\*\*\*\*\* Max no. of Tracks that can record in OVERWRITE mode at one time

\*

```
* Default (if unspecified) is 24. From 14.3.05 overwrite
```

\* record has full disk bandwidth. It should no longer be

- \* necessary to reduce this number.
- \*

```
@MaxOverwrite 24
```

\*\*\*\*\*\*\*\* DIO Recalibrate when master clock lost & restored.

\*

\* Default (if option not specified) is ON.

```
@ReCal enable
```

```
******* Enable Arm Key Debounce Delay
```

- \* \*
  - Default (if unspecified) is ON.
- \* Warning: if OFF then you cannot double-click track keys when arming.

```
@ArmKeyDelay on
```

```
******** Fade Default duration - in timeunits.
```

```
* min 10, max 2000
```

\* timeunits per subframe = @24fps:25 @25fps:24 @30fps:20

```
*
```

\*

```
@FadeDefault 72
```

\*\*\*\*\*\*\* Enable Fade Overlap

\* Default (if unspecified) is OFF (MFX2 behaviour).

```
@FadeOverlap true
```

```
******** Specify Dilation Algorithm Module Names
```

```
@DilateAlgorithm 0 dilate.bin src module@DilateAlgorithm 1 dilate.bin warp module
```

\*\*\*\*\*\*\*\* Set Output Dither point in bits

- \* 0 means use DCC default (24), else can be 16-32 bits
- \* Use 18 for analogue installations (this is the default).
- \*

@DitherOutput 24 bits

\*\*\*\*\*\*\*\* Set minimum RAM tolerance for recording in Mb: 2,4,6,8

```
*
```

- \* DCCs with less RAM than this cannot be armed.
- \* Default = 8Mb if >16bit samples are enabled else 6Mb.
- \* Any such cards must be the highest numbered cards.
- \* From 14.2.09 must be 8 for greater-than 16-bit record/playback.
- \*

```
* Suggest you leave this out unless there is some reason to override
```

- \* default.
- \*

\*@Input\_RAM\_Floor 6

```
@AutoInputDetect off auto-detect contiguous DIO inputs 1..N
******** Choose default input type
*
      0 = analog - 10dB 1 = analog + 4dB
*
      2 = aes/ebu
                      3 = sp-dif
@DefaultInputType 1
******** Set playback inhibition threshold
*
*
   When this many channels are recording playback is inhibited for
*
   the armed tracks. Set to 0 or more than 24 to never inhibit (this
*
   is the default state).
*
@PlayInhibitThreshold
                         0
******** Set max record queue burst size
*
@RecordBurstLimit
                        24
******** Set Beeps Oscillator Parameters
@BeepsTrackNumber
                          1
@BeepsVolume
                       -10
                               (dB)
                        880
@BeepsFrequency
                                (Hz)
******** Set minimum playback segment duration in samples.
*
*
  Tiny clip segments shorter than this are replaced with silence.
*
   Usually such tiny segments have been created unintentionally,
*
   and serve no useful purpose - they often result in an audible
*
   glitch. Default (if unspecified) is zero. For compatibility
*
   with DaD set to 16.
*
@MinSegmentDuration
                          0
******* End of mdr_cfg
```

\*\*\*\*

# **Contents of MFX3 TCS Configuration File**

\* 22:13:01 29 Mar 1994 - ajc: created \* 19:27:13 17 July 1994 - mcc: root device = /D4 \* 10:35:32 22 July 1994 - mcc: LTC from ajc (commented out) \* 10:17:37 8 Aug 1994 - ajb: put ltcrdr on M2 \* 09:19:23 6 Oct 1994 - mcc: update TBASE options, JogRaw should be OFF \* 10:59:49 11 Oct 1994 - mcc: NewPLLHardware option \* 12:27:37 20 Oct 1994 - ajb: renamed dio --> diotask \* 10:57:19 28 Oct 1994 - ajb: integrated changes from ajc: stuff37, stuff38 \* 03:32:25 14 Mar 1995 - ajc: added environment variables with default values \* 18:11:57 25 Apr 1995 - ajc: LTCRDR-CHASERECORD=0 \* 11:42:13 12 May 1995 - mwh: Only 1 device with a priority of 10 can be online, \* other masters with this priority, are put offline \* 17:49:55 16 May 1995 - mwh: Changed M1 and M2 to Sony A and Ltcrdr A. Two new processes Sony\_B and Ltcrdr\_B also included as dmans for 'B' ports \* 15:53:25 7 June 1995 - mcc: new LTCOUT variables from aic, all OPTIONS off \* ----- 13.0.00 \* 13:45:09 19 Sep 1995 - mcc: ported, has to live in /dd/cmds/cmisys9... until tcsmain's absolute path to this file is modified! \* 15:08:59 28 Sep 1995 - mcc: run qmfx \* ----- 13.0.04 \* 15:24:20 14 Oct 1995 - mcc: qmfx3 \* ----- 13.0.06 \* 16:58:46 7 Nov 1995 - mcc: no start qmfx3 \* 01:20:59 22 Nov 1995 - ajc: LTCRDR variables updated \* 14:51:20 9 Feb 1996 - mwh: remote sony options \* 10:02:57 12 Mar 1996 - mwh: start up gmidia \* 14:47:36 29 Mar 1996 - aic: removed diotask, now in /dd/startup; added -Xmixer \* 12:17:05 15 May 1996 - mwh: SONY-DONTSTOP \* 14:39:22 8 Aug 1996 - mwh: INVERT\_GPIS, SONY-LOCKDELAY, SONY-ARMSENSE \* 12:53:53 23 Oct 1996 - mwh: increased priority of cman to remove timeouts \* 16:25:24 24 Jun 1997 - mwh: SONY-POLLONCE - fixs random error in FED output \* 14:26:22 24 Sep 1997 - mwh: SONY-POLLONCE is now SONY-POLLEARLY \* 11:53:58 07 Oct 1997 - mwh: SONY-STATUS & SONY-STATUS2 for byu850 & motion worker \* 12:07:28 20 Oct 1997 - ajh: Added MSN\_RESET\_VALUE \* 10:39:45 30 Oct 1997 - mwh: SONY-DUMBARM for arming machines without checking status \* Directives: \* @DIR <path>

```
* @RUN
             <file>
* @DLOAD
               <dmgr> [<file>]
* @DEVICE
               <device> <dmgr> {<flag>}
               <device>|TCS|GLOBal {<option>}
* @OPTION
               <device> <param number> <value>
* @PARAM
            <variable>=<value>
* @SET
*
* <file>:: if filename does not start with '/' then directory <path> is prepended
* <dmgr>::
            device manager module name
* <device>:: device name
* <flag>:: MFX=<number> MFX Machine Number
*
       | PRI=<hexnum> Device Manager Process Priority
*
       | LEDS=<mask> MFX Console LED Mask (hex)
*
       | ONLINE
                     Device starts up online
*
       | MASTER
                      Device can be a master
*
       | MPRIOR=<num> Master Priority - the online device with the
*
                   highest value becomes the master.
*
```

#### @DIR /dd/USR/QSYS/TCS

Load Device Modules

```
*

@DLOAD tbase

@DLOAD tman

@DLOAD mdr

@DLOAD dman_sony

@DLOAD dman

@DLOAD gengen

@DLOAD ltcrdr

@DLOAD cman
```

```
    * Device Specifications
```

```
*
```

\*

```
* TBASE must be the first device manager;
* TMAN must be the second device manager;
* order of other device managers is irrelevant.
                          mfx=-1, pri=A0A0, online,
@DEVICE TBASE, tbase,
                                                      master, mprior=1
@DEVICE TMAN, tman,
                           mfx=-1, pri=3030
@DEVICE Sony_A, dman_sony, mfx=0, pri=2020, leds=10001000, master, mprior=10
@DEVICE Ltcrdr A, ltcrdr,
                            mfx=1, pri=2020, leds=20002000, master, mprior=10
                            mfx=0, pri=2020, leds=10001000, master, mprior=10
*[@DEVICE M1,
                   dman,
*[@DEVICE M2,
                            mfx=1, pri=2020, leds=20002000, master, mprior=10
                   dman.
                            mfx=2, pri=1010, leds=40004000
@DEVICE MDR,
                   mdr,
                               mfx=3, pri=0404, leds=80008000
@DEVICE LTCGEN, gengen,
```

@DEVICE Sony\_B, dman\_sony, mfx=4, pri=2020, leds=00000000, master, mprior=10
@DEVICE Ltcrdr\_B, ltcrdr, mfx=5, pri=2020, leds=00000000, master, mprior=10
@DEVICE Sony\_Remote, cman, mfx=6, pri=9191, leds=00000000

\*>>>@RUN /dd/USR/QSYS/diotask @RUN /dd/USR/QSYS/qmidia

\* Device Option Specifications

\*

\* First character only of option name is significant (case ignored)
\* "+" sign is optional

@OPTION GLOBAL -Z,-Commands@OPTION GLOBAL -DeviationStop@OPTION GLOBAL -NoESP-PLL

@OPTION TBASE -Z,-Block,-Interact,-MDR,-Offset,-Sync,-TSB,-JogRaw,-PLL,-A\_ltcout @OPTION TBASE -ErrDump,-LTMdebug,-G\_locate,-Clock,-Update,-Frame,-Record,-Xmixer

@OPTION TMAN -Z,-Waitmsg,-DMgr,-Times,-Masks

@OPTION MDR -Z,-Loopjog,-Times
@OPTION Sony\_A -Z,-Motion,-Xman,-Sony
@OPTION Ltcrdr\_A -Z,-Motion,-LTC
@OPTION Sony\_B -Z,-Motion,-Xman,-Sony
@OPTION Ltcrdr\_B -Z,-Motion,-LTC
@OPTION LTCGEN -Z
@OPTION Sony\_Remote -Z,-Command

\* Global Environment Definitions

```
*@SETENV MCLK-DIRECT=HARD
*@SETENV LTCOUT-MINVEL=819
                                     min TC speed (*8192)
                                       max TC speed (*8192)
*@SETENV LTCOUT-MAXVEL=16384
*@SETENV LTCOUT-LOCKCOUNT=10
                                        small errors to enter const mode
*@SETENV LTCOUT-SMALLERROR=5
                                        error window to enter const mode (TU)
*@SETENV LTCOUT-BIGERROR=80
                                      max tracking error before jump (subfr)
*@SETENV LTCOUT-LOCERROR=0
                                      max error before jump-burst (frames)
                                      length of timecode burst after jump (fr)
*@SETENV LTCOUT-BURSTLEN=10
                                         length of burst when moving slowly
*@SETENV LTCOUT-SLOWBURSTLEN=1
*@SETENV LTCOUT-SLOWBURSTRATE=819
                                           burst rate when moving slowly
                                       rate of continuous code when moving
*@SETENV LTCOUT-SLOWRATE=819
slowly
*@SETENV LTCOUT-FASTBURSTLEN=10
                                         length of burst when moving fast
*@SETENV LTCOUT-FASTBURSTRATE=16384
                                           burst rate when moving fast
```

\*@SETENV LTCOUT-FASTRATE=16384 rate of continuous code when moving fast boolean: enable continuous timecode \*@SETENV LTCOUT-CONTINUOUS=0 boolean: reverse burst on locate \*@SETENV LTCOUT-REVERSEBURST=0 backwards \*@SETENV LTCRDR-EDUR=10 max dud codes allowed min in-sequence frames to recognise new seq \*@SETENV LTCRDR-JDUR=3 runon time after timecode stops (msec) \*@SETENV LTCRDR-STOPTIME=500 play mode speed tolerance (%) \*@SETENV LTCRDR-PLAYTOLERANCE=5 \*@SETENV LTCRDR-LOCKFRAMEQUOTA=40 frames before reporting locked status @SETENV SONY-DONTSTOP if defined, sony won't send stop when taking machine offline \*@SETENV SONY-LOCKDELAY=5 delays n frames before locking to sony define for correct operation of 9800 style videos \*@SETENV SONY-ARMSENSE moves play lock window (NTSC -600 to +700, @SETENV MOVE LOCKWIN=850 PAL -700 to +800) \* SONY-POLLEARLY replaces what was once called SONY-POLLONCE @SETENV SONY-POLLEARLY allows machines with early ltc accuracy to lock accurately \*@SETENV INVERT\_GPIS=1 if defined, gpi's logic inverted number of times to re-assert a given mode \*@SETENV RETRY\_LIMIT=6 \*@SETENV NAGRA\_FIX1 enable work-around 1 to fix nagra's enable work-around 2 to fix nagra's \*@SETENV NAGRA FIX2 \*@SETENV NAGRA FIX3 enable work-around 3 to fix nagra's \*@SETENV DELAY\_POLL=5 time(ms) to delay between sending time & status sense \*@SETENV PROFILE FIX odd behaviour of Tektronix Profile requires this \*@SETENV SONY-TIMEOUT=10 time(ms) to timeout sony responses possible fix for bvu-850's \*@SETENV SONY-STATUS 2nd possible fix for bvu-850's \*@SETENV SONY-STATUS2 \*@SETENV SONY-DUMBARM don't use machine's arming information **@SETENV SETTLE FORWARD** when activated, will put us in play at the next frame (for lynx) @SETENV MSN RESET VALUE=0 when MSN is 'reset', it gets set to this \* end of file

# Making Releases (and release tapes) QDC Author – Steve Rance Feb 20th 2001

# Introduction

Releases are now made differently from rev 14 and 15 as it was impossible to track where and on which machine a release file was made. Further more corruption of files was possible which could propagate along many generations of xrelease and upgrade.

The only way a release file can now be made is on a development machine (at present one of the in house Sparc/Solaris machines). This means that the release file generated here is a master and can not be modified in anyway. This enables us (R&D) and the end user to be confident that a release file has not been corrupted or intentionally modified in any way.

Users and distributors can however make a patch file, which can be used to alter various configuration files within a release. These patches are applied to a system once the master release file has been installed. The applying of patches requires no user intervention.

#### Installing a new version of software from tape.

This procedure is the same as previous revisions of MFX3 software. Once the system has booted, login as user "MFX" and type "upgrade -t". The "-t" option specifies to upgrade to use the connected local tape drive to do the installation. (continue in second section of next paragraph).

#### Installing a new version of software from a release file image.

All release files are now located in the directory called "RELEASE" in the root directory of a device.

The file names are in the format "VV.RR.SSX", where VV is the major revision, RR is the minor revision, SS is the internal build number and X (if it exists) indicating an alpha or beta release. When "upgrade" is started without the "-t" option, the RELEASE directory is searched for valid release files and patch files. If more than one file is found you will be asked to select the release (or patch) to install.

You will then be presented with a list of drives attached to your system that can have software installed onto them. Select the drive you wish to install. You will be asked if the target drive you are installing software onto needs to be formatted. If toy select this option you will be given the chance to format the drive in RBF format (limited to 4GB in size) or FLFS which does not have the 4GB limit.

Once the target drive is ready, the software will be installed. If you are installing from tape, if any patches are present they will be applied after the core software modules have been copied. If you are installing from disk and a file called "patches.gz" exists in the RELEASE directory, then the patches within this file will be applied.

#### Making a Patch File.

As discussed above, the directory RELEASE may contain a "patch.gz" file. This file is built by the command "makepatch". You must change directory to the RELEASE directory before executing this command. You can also edit this command to add or removed files to be included in the patch file. Once the "makepatch" command has finished, the file "patch.gz" will have been created. You can now copy this file to other system and run "upgrade" to install these patches.

#### Creating a Release Tape.

This is similar to Rev14/15 but uses the "master" release file and a possible patch file instead. At the shell prompt type "xrelease". You will be prompted to select the revision of software to put onto the tape. After selecting the version the release will be written to the tape along with the file "patches.gz" if it exists. This tape can then be used as a master distribution tape.

#### Upgrade and xrelease options.

When making a tape or upgrading a "-p" option can be used to prevent any patches from being written to the tape or being installed as part of an upgrade. By default patches are always written.

\*\*\*\*

# **QDC** booting from external drives

There seems to be some confusion on how to boot from external drives on a QDC.

Here's what to do.

1) Restart the QDC, and at the autoboot countdown, press any key.

2) Type 'rc' <return>

3) You will be asked 'Do you want to use the recommended NVRAM configuration? (Y/N/Q)'

4) type 'n'<Return>

5) You will be presented with 4 options.

A) Reconfigure All of NVRAM?

B) Reconfigure Booting Preferences?

C) Reconfigure System Setup?

D) Quit this menu and reboot?

6) Type 'c' <Return>
7) Hit <Return> until you see the option...
'SCSI Controller Slot for Boot .. (0=On Board SCSI) ..... (000 ..003) [000] >

Once you see this option, then you have to type in the 'PCI SLOT NUMBER' that you want to boot from. Obviously, you have to have a SCSI card in this SLOT. PCI slot zero is the onboard SCSI, and as a general rule, if you have an extra PCI SCSI card, it should be in PCI slot 1.

Network interface cards should be in slot 2, or if you have TWO external PCI SCSI cards, put the NIC in slot 3.

8) Enter the PCI slot number you want boot from, and hit <Return>

9) Keep hitting <Return> until you get the 4 options, A), B), C), and Q), and choose Q.

10) Hit <Return> to restart the QDC engine, and it should now boot from the external PCI card.

Brett Chambers

\*\*\*\*\*

# **Creating a log file for later viewing**

Here's a routine you can do to save the tvt output into a file. Create an OS-9 procedure file called STARTLOG and put this into it:

echo/tvtctrl START tvt-logf qtvtlog /dd/logfile -qp=100

Create another one called STOPLOG with this line:

echo/tvtctrl STOP tvt-logf

Don't omit the quotation marks, use upper case where indicated, and put a return at the end of the lines to make them execute.

Now you can type \$startlog and \$stoplog any time you like from the command line.

Each time you start this process it replaces the previous file. When you want to look at the file you cannot use ed because the file will be too large. Instead type e logfile -b 'RETURN'

That will give you a 512k buffer.

If that's not enough you can type e logfile -b=1024RETURN etc.

This might need to be done after quitting, as there may not be enough free system RAM while the MFX3+ application is running.

\*\*\*\*

# **Serial Transfer from PC to MFX**

You will need a Null Modem cable to connect the serial port of your PC to the Serial port of the MFX (RS232 on back of machine).

Set your PC to send data via Z-Modem, using Telix for example.

 $\Rightarrow$  Launch Hyperterminal

 $\Rightarrow$  Select Z-Modem Transfer

 $\Rightarrow$  Select File to send (i.e. 'machine file')

Once ready to send data, go to the MFX.

From the OS9 shell on the MFX, type:

 $\Rightarrow$  chd /dd

 $\Rightarrow$  Telix (launch the Telix program)

 $\Rightarrow$  Blue 'Z' (Blue Key and the 'Z' key to choose Z-Modem transfer)

The MFX is now ready to receive data from the PC From the Hyperterminal program on the PC:  $\Rightarrow$  Select 'Send File'

Once transfer is completed, go to the MFX and type:  $\Rightarrow$  BLUE 'Q' (to quit the Telix program)

If you do a 'DIR' on the MFX, you should see the file (i.e. machine712)

\*\*\*\*

# Sony\_ID file

```
==
* _____
* #@!!~FAIRLIGHT-BUG-FIXES~!!@#
* #@!!~~!!@#
* _____
_ _ _ _
* #@!!~FAIRLIGHT-CHANGES~!!@#
* Date: Wed Apr 28 10:30:13 1999 - ulf Reviewer:
* Added new entries for "Panasonic DVC Pro" and "Doremi V1" machines.
* Date: Tue Jul 27 10:01:38 1999 - fiona Reviewer:
* Added entries for Sony DVR 28 and Fairlight Vivid
* #@!!~~!!@#
* _____
____
* #@!!~FAIRLIGHT-NEW-FEATURES~!!@#
* Date: Thu Jan 21 10:55:55 1999 - ulf Reviewer:
* Added the new modifier "stopstill" to switch behaviour after a Preroll.
* #@!!~~!!@#
* _____
* #@!!~FAIRLIGHT-TEST-NOTES~!!@#
* #@!!~~!!@#
* _____
* #@!!~FAIRLIGHT-RELEASE-NOTES~!!@#
* #@!!~~!!@#
* _____
______
==
*
   Sony id byte definitions.
* 12:43:32 18 Jul 1994 - ajb: added Sony Dat codes
        14 Oct 1994 - ajb: added Sony U-matic VO-9800
* 14:54:41
* 18:05:58 25 Oct 1994 - ajb: default is 24 DA tracks
* 13:29:06
        1 Nov
              1994 - ajb: added Sony BVW/DVW block and PAL UMATIC-SP
        8 Dec
* 12:03:14
              1994 - ajb: added Tascam DA-88
        4 Dec 1995 - mwh: added fairlight mfx3
* 14:55:10
* 11:28:04 08 Sep 1997 - mwh: added Tascam DA-60
        09 Jan 1998 - mwh: another d1
* 08:27:45
* 14:36:35 10 Sep 1998 - us : added modifier for jog/shuttle method
switch
        "Unknown" ""
                        default
                            tc=2 da=24 jogsh=1 stopstill=0
set da=0
                                          jogsh=0
0x10 0x48
        "Sonv"
                "U-matic SP"
                                 "VO-9800"
                                 "VO-9800P" jogsh=0
0x11 0x48
        "Sony"
                "U-matic SP"
0x10 0x4C
        "Sony"
                "U-matic SP"
                                 "VO-9850"
                                          jogsh=0
                "U-matic SP"
0x11 0x4C
        "Sony"
                                 "VO-9850P" jogsh=0
```

0~80	0x0c	"Sony"	"Hi-8 S-VHS"	"EVO-9850"	
	0x0c		"Hi-8 S-VHS"	"EVO-9850P"	
UXOI	UXUC	Solly	HI-0 5-VH5	EVO-9850P	
	0 00				
		"Sony"	"Hi-8 S-VHS"	"EVO-9800A"	
		"Sony"	"Hi-8 S-VHS"	"EVO-9850P"	
		"Sony"	"Hi-8 S-VHS"	"SVO-9600"	
0x11	0x2c	"Sony"	"Hi-8 S-VHS"	"SVO-9620"	
0x10	0x28	"Sony"	"Hi-8 S-VHS"	"SVO-9000"	
		"Sony"	"Hi-8 S-VHS"	"SVO-9020"	
		-			
0x10	$0 \times 00$	"Sony"	"Betacam"	"BVU-800"	
		"Sony"	"Betacam"	"BVU-820"	
UXII	ULUU	BOILY	Decacalli	BV0 020	
020	040	" () a res a "			
		"Sony"	"Betacam SP"	"PVW-2600"	
		"Sony"	"Betacam SP"	"PVW-2600P"	
		"Sony"	"Betacam SP"	"PVW-2650"	
		"Sony"	"Betacam SP"	"PVW-2650P"	
0x20	0x41	"Sony"	"Betacam SP"	"PVW-2800"	
0x21	0x41	"Sony"	"Betacam SP"	"PVW-2800P"	
		"Sony"	"Betacam SP"	"UVW-1600"	
		"Sony"	"Betacam SP"	"UVW-1600P"	
		"Sony"	"Betacam SP"	"UVW-1800"	
		"Sony"	"Betacam SP"	"UVW-1800P"	
UXZI	UXJI	SOILY	Becacalli SP	000-18005	
020	000	" () a res a "	"Dotorow"		
		"Sony"	"Betacam"	"BVW-10"	
		"Sony"	"Betacam"	"BVW-10P"	
		"Sony"	"Betacam"	"BVW-11"	
		"Sony"	"Betacam"	"BVW-11P"	
		"Sony"	"Betacam"	"BVW-15"	
0x21	0x03	"Sony"	"Betacam"	"BVW-15P"	
0x20	0x10	"Sony"	"Betacam"	"BVW-35"	
0x21	0x10	"Sony"	"Betacam"	"BVW-35P"	
	0x01		"Betacam"	"BVW-40"	
		"Sony"	"Betacam"	"BVW-40P"	
		"Sony"	"Betacam"	"BVW-50"	
		"Sony"	"Betacam"	"BVW-50P"	
		"Sony"	"Betacam SP"	"BVW-60"	
		"Sony"	"Betacam SP"	"BVW-60P"	
	0x21	-	"Betacam SP"	"BVW-65"	
		"Sony"	"Betacam SP"	"BVW-65P"	
	0x22	"Sony"	"Betacam SP"	"BVW-95"	
		"Sony"	"Betacam SP"	"BVW-95P"	
		"Sony"	"Betacam SP"	"BVW-96"	
0x21	0x23	"Sony"	"Betacam SP"	"BVW-96P"	
0x20	0x24	"Sony"	"Betacam SP"	"BVW-70"	
		"Sony"	"Betacam SP"	"BVW-70p"	
		"Sony"	"Betacam SP"	"BVW-75"	
		"Sony"	"Betacam SP"	"BVW-75P"	
		"Sony"	"Betacam SP"	"BVW-D75"	
	0x46	-	"Betacam SP"	"BVW-D75 "BVW-D75P"	
		-			
		"Sony"	"Betacam SP"	"BVW-D265"	
		"Sony"	"Betacam SP"	"BVW-9000"	
		"Sony"	"Betacam SP"	"BVW-9000P"	
		"Sony"	"Betacam SP"	"BVW-35PM"	
0x20	0x29	"Sony"	"Betacam SP"	"BVW-65PM"	
*0x20	) 0x29	) "Sony"	"Betacam SP"	"BVW-95PM"	
		"Sony"	"Betacam SP"	"BVW-85P"	da=2
		"Sony"	"Betacam SP"	"BVW-70S"	
	0x2D		"Betacam SP"	"BVW-75S"	
		"Sony"	"Betacam SP"	"WBR-700"	
012CI T	02221L	5011 <u>7</u>	Lecadam Di		

da=2

0xB0 0x00 "Sony" "Digital Betacam" "DVW-A500" da=4 0xB1 0x00 "Sony" "Digital Betacam" "DVW-A500P" da=4 0xB0 0x01 "Sony" "Digital Betacam" "DVW-A510" da=4 0xB1 0x01 "Sony" "Digital Betacam" "DVW-A510P" da=4 0xB0 0x03 "Sony" "Digital Betacam" "DVW-CA510" da=4 0xB1 0x03 "Sony" "Digital Betacam" "DVW-CA510P" da=4 0xB0 0x10 "Sony" "Digital Betacam" "DVW-500" da=4 0xB1 0x10 "Sony" "Digital Betacam" "DVW-500P" da=4 0xB0 0x11 "Sony" "Digital Betacam" "DVW-510" da=4 0xB1 0x11 "Sony" "Digital Betacam" "DVW-510P" da=4 set da=4 0x30 0x00 "Sony" "D1" "DVR-1000" 0x31 0x00 "Sony" "D1" "DVR-1000" 0x30 0x11 "Sony" "D1" 0x31 0x11 "Sony" "D1" "DVR-2100" "DVR-2100" 0x40 0x00 "Sony" "D2" "DVR-10" 0x41 0x00 "Sony" "D2" "DVR-10P" 0x40 0x03 "Sony" "D2" "DVR-18" 0x41 0x03 "Sony" "D2" "DVR-18P" 0x40 0x02 "Sony" "D2" "DVR-C10" 0x41 0x02 "Sony" "D2" "DVR-C10P" 0x40 0x20 "Sony" "D2" "DVR-20" 0x41 0x20 "Sony" "D2" "DVR-20P" 0x40 0x22 "Sony" "D2" "DVR-28" 0xF0 0x19 "Panasonic" "D3" "AJ-D350" 0xF1 0x19 "Panasonic" "D3" "AJ-D350" \* According to the protocol manual all BVH machines have A3 \* as their "SYNC" track. No mention of a "TC" track so I \* suppose A3 is it. - ajb set tc=3 da=0 

 Set UC=3 dd=0

 0x00 0x11 "Sony" "BVH-2xxx"

 0x00 0x10 "Sony" "BVH-2xxx"

 0x01 0x11 "Sony" "BVH-2xxx"

 0x01 0x11 "Sony" "BVH-2xxx"

 0x01 0x10 "Sony" "BVH-2xxx"

 0x01 0x10 "Sony" "BVH-2xxx"

 0x00 0x14 "Sony" "BVH-2xxx"

 0x00 0x19 "Sony" "BVH-2xxx"

 0x00 0x19 "Sony" "BVH-2xxx"

 "BVH-2000" "BVH-2000PS" "BVH-2000PS" "BVH-2000PM" "BVH-2180" "BVH-2180PS" "BVH-2180PS" "BVH-2180PS" "BVH-2180PM" 0x00 0x10 "Sony" "BVH-2xxx" 0x01 0x11 "Sony" "BVH-2xxx" 0x01 0x10 "Sony" "BVH-2xxx" 0x00 0x14 "Sony" "BVH-2xxx" 0x00 0x19 "Sony" "BVH-2xxx" 0x00 0x18 "Sony" "BVH-2xxx" 0x01 0x19 "Sony" "BVH-2xxx" 0x01 0x18 "Sony" "BVH-2xxx" 0x00 0x1c "Sony" "BVH-2xxx" 0x00 0x20 "Sony" "BVH-2xxx" 0x01 0x20 "Sony" "BVH-2xxx" "BVH-2500" "BVH-2500P" "BVH-2500PM" "BVH-2700" 0x01 0x20 "Sony" "BVH-2xxx" 0x00 0x24 "Sony" "BVH-2xxx" 0x00 0x30 "Sony" "BVH-2xxx" 0x00 0x40 "Sony" "BVH-2xxx" "BVH-2800" "BVH-2800PS" "BVH-2830" 0x01 0x40 "Sony" "BVH-2xxx" 0x00 0x48 "Sony" "BVH-2xxx" 0x01 0x48 "Sony" "BVH-2xxx" "BVH-2830PS" \* These are listed as having no DA tracks because the two \* digital tracks are addressed by the A1/A2 edit preset bits. set da=0 0x70 0x00 "Sony" "Dat" "PCM-7030 (30 fps)" 0x71 0x00 "Sony" "Dat" "PCM-7030 (25 fps)" 0x72 0x00 "Sony" "Dat" 0x70 0x01 "Sony" "Dat" 0x71 0x01 "Sony" "Dat" "PCM-7030 (24 fps)" "PCM-7050 (30 fps)" "PCM-7050 (25 fps)"

0x72 0x01 "Sony" "Dat" "PCM-7050 (24 fps)" set tc=none da=8 0xF0 0x1D "Tascam" "Digital 8-track" "DA-88 (SMPTE/NTSC)" 0xF1 0x1D "Tascam" "Digital 8-track" "DA-88 (PAL)" 0xF2 0x1D "Tascam" "Digital 8-track" "DA-88 (24 fps)" set tc=none da=2 0xF0 0x1C "Tascam" "Digital 8-track" "DA-60 (SMPTE/NTSC)" "Digital 8-track" "DA-60 (PAL)" 0xF1 0x1C "Tascam" 0xF2 0x1C "Tascam" "Digital 8-track" "DA-60 (24 fps)" set tc=none da=24 0xFA 0xA0 "Fairlight" "Digital Audio Workstation" "MFX3" set da=2 0xFA 0xA1 "Fairlight" "Digital Video Recorder" "Vivid" set da=2 0xF1 0x33 "Panasonic" "DVC Pro" "AJ-Dxxx" jogsh=2 0xA0 0x50 "Doremi" "Video Disk Recorder" "V1"

\*\*\*\*

### Adding a new RS422 device.

#### You can add the machine ID code very easily. Here is the procedure:

With the Machine offline, select the running status page by pushing BLUE and the Z key

Select M1 to put the machine online

The status page should report the unique Sony ID code of four digits (alpha/numeric) like:B0 03 or 40 20...

Write down the code and escape out of the status page (hold Blue and F key)

From the command line at the top of your screen (next to Fairlight logo) type: SONY and push the Return Key.

You should be in the Sony ID edit page. Scroll down to the bottom of the page using the Down arrow key. After the last line, Hit return twice (so there is a space between) and type the following (use the previous lines above as model):

```
Example:
set da=2
0xF1 0x33 "Panasonic" "DVC Pro" "AJ-Dxxx" jogsh=2
set da=8
```

0x(type first 2 digit of code) 0x(type second 2 digit of code) "Sony" "Type machine nickname" for example: "MVS 2000 P IMX"

For example, if the machine ID code for your VTR was C1 25 and the nickname was Video Multitrack Recorder, then the line would look like this:

set da=8 0xC1 0x25 "Sony" "Multitrack Recorder" "MVS 2000 P IMX" The nickname is not critical and can be what ever you wish.

Once done, save the file by holding the Blue and Z key.

Restart the machine and you should be all set. You need to select from the M1 setup page Arm Digital 1-24. Your machine should now work properly.

## **Fairlight MFX3+ Error Messages**

255:255 Operation Failed 082:001 No Project File 082:002 Feature Not Available in this Release 082:003 File Already Exists - Delete Existing File First 082:004 Cant Get Free Space From Current Device 082:005 Space List Full 082:006 Bad File Descriptor 082:007 MFX File Already Exists 082:008 Bad Channel Number 082:009 Track Is Not Stereo 082:010 Space List Overflow 082:012 Invalid Playtask Request 082:013 The MFX System is Not Running 082:014 Invalid Command 082:015 Bad SMPTE Time 082:016 Non-Existent External File 082:017 No Waveform 082:018 Non-Existent Waveform 082:019 Bad Waveform No. 082:020 Device Table Full 082:021 External File Table Full 082:022 Invalid Library File No. 082:023 Bad Cluster Size 082:024 Space Allocation Table Overflow 082:025 Waveform Table Full 082:026 Bad Space-List Length 082:027 Project File is Maximum Size 082:028 End Of Space 082:029 Waveform Already Referenced 082:030 End Of Waveform 082:031 Error In Space Allocation Table 082:032 Undefined Device 082:033 Invalid Dfn File Number 082:034 Edit List Full 082:035 Invalid File Version No. - Cannot Load 082:036 Bad Call 082:037 Insufficient Waveform Ram 082:038 No Range 082:039 Iram Mgt Error

082:041 Digital Io Module Error 082:044 Must Not Be An Mdr Device 082:045 File is Not an MFX Project 082:046 Invalid Device Number 082:047 DCC Not Responding 082:048 Max Clip Duration Exceeded (2047 Megabytes) 082:049 No Selected Clip At Current Position 082:050 Bad File Type 082:051 Eq System Error 082:052 MFX Console has Wrong Software Revision 082:053 Can't Attach The Current Project 082:054 Track-Lock Protocol Error 082:055 No Clip To Keep 082:056 Cannot Edit Library File 082:057 No Library File Open 082:058 Next Clip Too Far Away - Cannot Overwrite 082:059 Already Recording 082:060 No Marks Left 082:061 No Clip On Selected Track(s) 082:062 No Track Is Armed For Recording 082:063 Can't Do That While Recording... 082:064 Can't Dilate - Out Of Range 082:065 Bad Track Number 082:066 External File Not Open 082:067 Inaccessible Waveform 082:068 Clip Has Waveform External To Library File 082:069 Write Attempted To External File 082:070 Non-Existent External Waveform 082:071 External Waveform Not Okay 082:072 External Waveform Different 082:073 Can't Attach Old Version Library File - Open As Project First 082:074 Waveform Segment List Full 082:075 Cannot Change Project Sample Rate 082:076 Clip Is Not Stereo 082:077 Clip Is Not Mono 082:078 Can't Import - Different Sample Rate 082:079 Big Buffer Too Small 082:080 No Clips Are Grabbed 082:081 Range Not Allowed 082:082 Clipboard Is Empty 082:083 Zero-Width Range 082:084 Arming Status Error 082:085 No Clip In Range 082:086 No Clip At Current Position 082:087 Current Position Is At Head Of Clip 082:088 Current Position Is At Tail Of Clip 082:089 No Clip Entirely Within Range 082:090 Edit List Relocation Error 082:091 Edit List Corrupted 082:092 Edit List In Infinite Loop 082:093 Too Many GFX Modules 082:094 Invalid GFX Module 082:095 Waveform Not Available 082:096 File Layout Violation

082:097 Invalid Space List 082:098 Not Enough Disk Space 082:099 Range Edge Is At Head Of Clip 082:100 Range Edge Is At Tail Of Clip 082:101 No Clip At Range 'From' Point 082:102 No Clip At Range 'To' Point 082:103 Cannot Open - Bad File Header Or Size 082:104 Not Enough Channels 082:105 Not Enough Tracks 082:106 Coverage Sequence Overflow 082:107 Permission Denied 082:108 Protected by Password - Cannot Open 082:109 Protected by Password - Cannot Rename 082:110 Protected by Password - Cannot Delete 082:111 OMDL Format Error 082:112 Clip Not Found 082:113 All Selected Tracks are SAFE 082:114 Track is SAFE 082:115 File is OPEN - please CLOSE before delete 082:116 Patch Menu Disabled In Escape 's' Page 082:117 Can't Do That While Auditioning... 082:118 Clip Has Different Sample Width 082:119 Clip is not 16-bit - operation not supported 082:120 Application Error 082:121 No Master Clock 082:122 Can't Load Console Software 082:123 Heap Empty 082:124 Audio Format Not Supported 082:125 Filetype Not Licenced 082:126 Filetype is Not Suitable 082:127 Waveforms Incompatible as Stereo Pair 082:128 Cannot Open This Filetype 082:129 Automatic Extension Failed 082:130 Fatal AutoExtension Error: File Already Exists 082:220 Write Attempted To A Read Only Device 082:221 Project is Open for Read Only 082:222 Too Many Files Have Been Marked - Maximum 254 082:223 No Mdr Device On Line 082:224 No Device On Line 082:225 Sony - Communications Error 082:226 Sony - Machine Is In Local Mode 082:227 Sony - No Tape In Machine 082:228 Sony Machine Control Software Not Installed 082:230 No audio found in file 082:240 Incorrect Machine Type 000:001 Operation Terminated 000:002 Keyboard Quit 000:003 Keyboard Interrupt 000:032 Abort 000:033 Erroneous Math Operation 000:034 Illegal Function Image 000:035 Segment Violation (Bus Error) 000:036 Termination Request 000:037 Alarm Time Elapsed

000:038 Write To Pipe With No Readers 000:039 User Signal #1 000:040 User Signal #2 000:041 Address Error 000:042 Chk Instruction 000:043 Trapy Instruction 000:044 Privilege Violation 000:045 Trace Exception 000:046 Line-A Exception 000:047 Line-F Exception 000:064 Illegal Function Code (Math) 000:065 Ascii->Numeric Format Conversion Error (Math) 000:066 Not A Number (Math) 000:067 Illegal Argument 000:102 Bus Trap 000:103 Address Trap 000:104 Illegal Instruction 000:105 Integer Divide By Zero 000:106 "Chk" Or "Chk2" Instruction Trap 000:107 "Trapv", "Trapcc" Or "Ftrapcc" Instruction Trap 000:108 Privileged Instruction 000:109 Trace Exception 000:110 Illegal Instruction (1010) 000:111 Illegal Instruction (1111) 000:112 Exception 12 000:113 Coprocessor Protocol Violation 000:114 System Stack Frame Format Error 000:115 Uninitialized Interrupt 000:116 Exception 16 000:117 Exception 17 000:118 Exception 18 000:119 Exception 19 000:120 Exception 20 000:121 Exception 21 000:122 Exception 22 000:123 Exception 23 000:124 Spurious Interrupt 000:133 An Uninitialized User Trap (1-15) Was Executed 000:148 Floating Point Unordered Condition 000:149 Floating Point Inexact Result 000:150 Floating Point Divide By Zero 000:151 Floating Point Underflow 000:152 Floating Point Operand Error 000:153 Floating Point Overflow 000:154 Floating Point Not A Number 000:155 Floating Point Unimplemented Data Type 000:156 Pmmu Configuration 000:157 Pmmu Illegal Operation 000:158 Pmmu Access Level Violation 000:159 Exception 59 000:160 Exception 60 000:161 Exception 61 000:162 Exception 62 000:163 Exception 63

000:164 No Permission 000:165 Arguments To F\$Chknam Didn'T Match 000:166 System Stack Overflow 000:167 Invalid Event Id Number 000:168 Event Not Found 000:169 The Event Is Busy 000:170 Impossible Event Parameters 000:171 System Data Structures Have Been Damaged 000:172 Module Revision Is Incompatable With Operating System 000:173 Path Became Lost Because Network Node Was Down 000:174 Bad Disk Partition, Or No Active Partition 000:175 Hardware Is Damaged 000:176 Invalid Sector Size 000:177 Unexpected Or Bad Signal 000:200 The Path Table Is Full 000:201 Bad Path Number 000:202 System Irq Table Is Full 000:203 Bad I/O Mode 000:204 System Device Table Is Full 000:205 Bad Module Header 000:206 System Module Directory Is Full 000:207 Memory Full 000:208 Unknown Service Code 000:209 Non-Sharable Module Is Busy 000:210 Bad Page Address 000:211 End Of File 000:212 Irq Vector Is Busy 000:213 Non-Existing Segment 000:214 File Not Accessible 000:215 Bad Pathlist 000:216 File Not Found 000:217 File Segment List Is Full 000:218 Creating An Existing File 000:219 Illegal Memory Block Address 000:220 Modem Data Carrier Lost 000:221 Module Not Found 000:222 System Clock Not Running 000:223 Deleting Stack Memory 000:224 Illegal Process Id 000:225 Bad Irg Parameter 000:226 No Children 000:227 Invalid Trap Number 000:228 Process Has Aborted 000:229 System Process Table Is Full 000:230 Illegal Fork Parameter 000:231 Known Module 000:232 Bad Module Crc 000:233 Signal Error 000:234 Non Executable Module 000:235 Bad Name 000:236 Bad Module Header Parity 000:237 No Ram Available 000:238 Directory Is Not Empty 000:239 No Available Task Number

000:240 Illegal Unit (Drive) Number 000:241 Bad Sector Number 000:242 Media Is Write Protected 000:243 I/O Error - Bad Check Sum 000:244 Read Error 000:245 Write Error 000:246 Device Not Ready 000:247 Seek Error 000:248 Media Full 000:249 Incompatible Media 000:250 Device Busy 000:251 Disk Media Has Changed 000:252 Record Is Busy 000:253 Non-Sharable File/Device Is Busy 000:254 I/O Deadlock Error 000:255 Device Is Format Protected 001:000 Ansi C Number Out Of Range 006:000 Illegal Parameter 006:001 Identifier (Id) Table Full 006:002 Bad Size Error 006:003 Region Definition Full (Overflow) 006:004 Unallocated Identifer Number 006:005 Null Region 006:006 Bad Drawmap/Pattern Mode 006:007 No Active Font 006:008 No Drawmap 006:009 No Audio Play In Progress 006:010 Audio Record/Play Has Been Aborted 006:011 Audio Queue Is Full 006:012 Audio Processor Is Busy 006:100 No Free Slot Is Left In The Resource Table 006:101 The Specified Resource Module Id Is Not A Valid Slot 006:102 The Resource Is Not Sharable 006:103 The Type Of The Resource Is Bad 006:104 The Id Of A Resource Is Bad 006:110 There Are No Items Specified For The Request 006:111 The Item Number Is Out Of Range 006:112 The Number Of Columns Is Out Of Range 006:113 The Item Array Pointer Is Bad 006:114 Request Could Not Be Created 006:115 A Modal Request Has Timed Out 006:116 No Selection Was Made For A Modal Request 006:117 Bad Definition Function Id 006:118 Bad Definition Action Code 006:119 Bad Item State Value 006:120 The Request Rectangle Is Bad 006:130 Bad Standard Behavior Id 006:131 Bad Standard Definition Id 006:132 Bad Action For Definition Function 006:133 Bad Action For Behavior Function 006:134 Bad Control State 006:135 Bad Control Part Code 006:136 Bad Flags 006:137 Bad Min. Max Or Value

006:138 Bad Type Of Control 006:140 Cannot Find The Clipboard Device In Preferences 006:141 The Clipboard Is Full 006:142 Type Not Represented In Clipboard 006:143 Clipboard Not Opened For The Requested Access 006:144 Type Offset Is Greater Than The Type Count 006:145 Clipboard Is Not Currently Opened 006:146 Clipboard Is Not Initialized 006:147 Clipboard Is Not Currently Closed 006:148 Can'T Rewrite, The Type Is Not In The Clipboard 006:150 The Handler Is Unknown 006:155 No Entry Found 006:160 Line Table Overflow 006:161 Text Too Long (Maximum Is 65535) 006:162 Bad Type Or Type Not Implemented 006:163 Attempt To Draw A Line Too Long 006:164 Need A Line Table 006:165 Font Not Set In The Drawmap 006:166 Bad Rectangle 006:180 Global Variable Error 006:185 No Preference Module 006:186 Illegal Argument 006:190 Bad Rectangle For Overlay 006:191 The Overlay Is Not The Top Of The Stack 006:192 Unknown Overlay 006:200 Bad Definition Id 006:201 Bad Definition Action 006:202 Bad Min. Max Or Value 006:203 Bad Coordinates 006:204 Indicator Not Created 006:205 Bad Flags 006:206 Bad Pointer 007:001 (Esp) I/O Operation Would Block. (Iff) This Path Is Read-Only. 007:002 (Esp) I/O Operation Now In Progress. (Iff) This Path Is Write-Only. 007:003 (Esp) Operation Already In Progress. (Iff) There Is No Form Active. 007:004 (Esp) Destination Address Required. (Iff) Wrong Reader For This Type Of Form. 007:005 (Esp) Message Too Long. (Iff) Not An Iff File. 007:006 (Esp) Protocol Wrong Type For Socket. (Iff) Bad Parameters. 007:007 (Esp) Bad Protocol Option. (Iff) Bad Cat Id (For Iff\_Open). 007:008 (Esp) Protocol Not Supported. (Iff) Can Not Skip, Size Is Unknown. 007:009 (Esp) Socket Type Not Supported. (Iff) Not To The Data Yet. 007:010 (Esp) Operation Not Supported On Socket. (Iff) Attempt To Seek Back In A Pipe. 007:011 (Esp) Protocol Family Not Supported. (Iff) Fixed Size Chunk Was Not The Correct Size. Could Indicate Wrong Version Of Reader. 007:012 (Esp) Address Family Not Supported By Protocol. (Iff) Can Not Make Floating Point Conversion. 007:013 Address Already In Use 007:014 Can'T Assign Requested Address 007:015 Network Is Down 007:016 Network Is Unreachable 007:017 Network Dropped Connection On Reset 007:018 Software Caused Connection Abort 007:019 Connection Reset By Peer 007:020 No Buffer Space Available

007:021 Socket Is Already Connected 007:022 Socket Is Not Connected 007:023 Can'T Send After Socket Shutdown 007:024 Too Many References 007:025 Connection Timed Out 007:026 Connection Refused By Target 007:027 Mbuf Too Small For Mbuf Operation 007:028 Socket Module Already Attached 007:029 Path Is Not A Socket 008:001 Line Down Or Layer 1 Error On Attach. 008:002 Connection Error - Connection Not Made. 008:003 Receive Thread Incoming Packet Handler Error. 008:004 Management Entity Error. 008:005 Unrecognized Service Access Point (Sapi). 008:006 Terminal Endpoint Identifier (Tei) Error. 008:007 Maximum Number Terminal Endpoints In Use. 008:008 Illegal Layer 2 State. 008:009 Terminal Endpoint (Tei) Initialization Denied. 008:010 Unrecognized Primitive. 008:011 Layer 2 Error On Incoming Message. 008:012 Peer Receiver (Far End) Busy Condition. 008:013 Maximum Number Of Outstanding Messages Exceeded. 008:014 Maximum Number Of Call References In Use. 008:015 Call Reference Doesn'T Exist. 008:016 Call Progress State Error. 008:017 Receiver Assignment/Removal Error. 150:000 Illegal Device Number 150:001 Bad Command 150:002 Busy 150:003 Media Offline or Non-Existent 150:004 Device Locked 150:005 Can't Locate File to Mark 150:006 Can't Locate File to Unmark 150:007 Device Name Too Long 150:008 No Spare Units 150:009 Invalid Node 150:010 More Than One Destination For Backup 150:011 Two Tape Devices Not Supported 150:012 Limit of 255 Marked Files 150:013 Abort Backup/Restore 150:014 Restoring On-Top Of Itself 150:015 Can't Restore To Tape 150:016 Can't Mark Library File 150:017 File Already Exists At Destination 150:018 Device is in use 150:019 Tape is not in MFX format 150:020 Waiting for to tape to Load - Ctrl 'q' to exit 150:021 Fixed Device 150:022 Bad Device Name 150:023 Can't Perform Operation 150:024 Invalid File ID 150:025 DFN Internal Problem 150:026 Not A Directory 150:027 No Permission

150:028 File Table Full 150:029 File Hasn't Been Locked 150:030 Not Cached 150:031 File in Use - Cannot Open 150:032 File Already Marked 150:033 Backup/Restore/Copy Already In Progress 150:034 Arch Unit No Longer Valid 150:035 No Backup In Progress 150:036 Unit Being Used For Archive 150:037 Error Occurred While Caching Device 150:038 Can't Read From Tape - Old Version 150:039 Device Is Read-Only 160:000 FFS FOLDER LIMIT REACHED 160:001 NODE NO LONGER VALID 160:002 DESTINATION OF MARKED FILE IS LOCKED BY ANOTHER USER 160:003 DESTINATION REQUIRED 160:004 FILE WITH SAME NAME ALREADY MARKED TO DESTINATION 160:005 CAN'T COPY TO TAPE DEVICE 160:006 MESSAGE RECEIVED DURING COPY/MOVE 160:007 NO FILE SELECTED 160:008 INVALID BACKUP HANDLE 160:009 NO UNIT SELECTED 160:010 NO JOB ACTIVE 160:011 PATHNAME TOO LONG 160:012 NETWORK CONNECTION ERROR 160:013 NETWORK HOST NOT ONLINE 065:001 ABase - Field Not Defined 065:002 ABase - Incompatible Version 065:003 ABase - DataBase Not Found 065:004 ABase - DataBase Is Empty 065:005 Publish - No Project Reference 065:006 Publish - Not a Project File 065:007 Publish - Files Don't Match 065:008 ABase - UI Mode Conflict 065:009 ABase - UI Error 065:010 ABase - Invalid Field Value 111:010 DCC Xilinx INIT Error 111:011 DCC Xilinx DONE Error 111:020 DCC BTDO low 111:021 DCC BTDO high 111:022 DCC BTDI low 111:023 DCC BTDI high 111:030 DCC Program Init Failed - Timeout 111:040 DCC Debug Request Timeout 111:050 DCC-MDR - Unknown Request Code 111:051 DCC-MDR - Invalid Parameter 111:052 DCC-MDR - Invalid Overlay Address 111:060 ODIF Path Already Open 111:061 ODIF Path Not Open 111:062 ODIF Open Mode Error 111:063 ODIF I/O Mode Error 111:100 DCC Startup Failed - Timeout 111:101 DCC Request Failed - Timeout 111:102 DCC Unknown Request Code

111:103 DCC Invalid Parameter 111:104 DCC Overlay Not Loaded 111:105 DCC Software Version Not Compatible 111:110 TCS Invalid Timecode Format 111:111 TCS Timecode Bcd Error 111:120 TCS Unknown Device Id 111:121 TCS Transport Must Be Stopped 111:122 TCS Invalid Line In Configuration File 111:123 TCS Invalid Configuration Option 111:124 TCS Invalid Device Name 111:125 TCS Invalid Path Name 111:126 TCS Parameter Expected 111:127 TCS Device Name Not Found 111:150 TCS Invalid Time Range 111:151 TCS Invalid Time1 Parameter 111:152 TCS Invalid Time2 Parameter 111:153 TCS Invalid Autorecord Cmd 111:154 TCS Invalid Mode 111:170 TCS Invalid Master Clock Source 111:200 TCS Device Cannot Be Master 111:201 TCS Device Cannot Be Slave 111:202 TCS Illegal Device Configuration Msg 111:203 TCS Another Master Machine Already Online 111:204 TCS Cannot Change Machine While It Is Online 111:205 TCS Device Already Selected On M1 111:206 TCS Device Already Selected On M2 111:207 TCS Both Sony\_B And Remote Cannot Be Online 111:208 INPUTSYNC CONFLICTS WITH LTC LOCK TO MASTER, TRY USING AES SYNC 151:000 No OMF error 151:001 Bad OMF open 151:002 Bad OMF Header 151:003 OMF No byte order 151:004 OMF Error Sample Read 151:005 OMF Error Sample Write 151:006 OMF Error Decompress 151:007 OMF No Data 151:008 OMF Source MOB List 151:009 OMF No Media Descriptor 151:010 OMF Bad TIFF Version 151:011 OMF Bad Descriptor Sample Rate 151:012 OMF Bad Descriptor Length 151:013 OMF Buffer To Small 151:014 OMF Internal MDO error 151:015 OMF Bad Compression Format 151:016 OMF Bad Bad PIX format 151:017 OMF Bad Layout 151:018 OMF Compression Write Error 151:019 OMF Compression Read Error 151:020 OMF Bad Component 151:021 OMF Bad JPEG Baseline 151:022 OMF Bad JPEG Info 151:023 OMF 24 Bit Video 151:024 OMF Internal HNF Error

151:025 OMF Bad TIFF Count

151:026 OMF No Samples Written 151:027 OMF Error Create First 151:028 OMF Code Not Allowed 151:029 OMF JPEG Table Invalid 151:030 OMF Bad Session 151:031 OMF OPEN Bad Session 151:032 OMF META Bad Session 151:033 OMF CLOSE Bad Session 151:034 OMF Bad Close 151:035 OMF Trying to Access Null Object 151:036 OMF Bad Container 151:037 OMF Not OMFI File 151:038 OMF Error Internal CNF 151:039 OMF No Media Type 151:040 OMF Open First 151:041 OMF Null MOBID 151:042 OMF Null MT 151:043 OMF Null DESC 151:044 OMF Bad Media Index 151:045 OMF Can't read yet 151:046 OMF Bad Media Type 151:047 OMF Bad Object 151:048 OMF Corrupt VINFO 151:049 OMF No Memory 151:050 OMF Bad Q Table 151:051 OMF Bad AC Table 151:052 OMF Bad DC Table 151:053 OMF Bad Frame Index 151:054 OMF Bad Frame Offset 151:055 OMF Bad Data Address 151:056 OMF Bento Problem 151:057 OMF Bad Object 151:058 OMF Bad Index 151:059 OMF Internal ANF 151:060 OMF Bad A Structure 151:061 OMF Internal NAT 151:062 OMF No MOBID Property 151:063 OMF Bad Audio Type 151:064 OMF Bad Internal NWT 151:065 OMF Bad AIFC Data 151:066 OMF Bad WAVEData 151:067 OMF Internal ADO 151:068 OMF No Audio Converter 151:069 OMF JPEG CM 151:070 OMF JPEG Disabled 151:071 OMF JPEG Problem 151:072 OMF Bad Export PIX Format 151:073 OMF Bad Export Layout 151:074 OMF Bad Export Compression 151:075 OMF Bad RW Lines 151:076 OMF Internal Data MOBID 151:077 OMF Illegal Set Frame Number 151:078 OMF Bad Sample Offset 151:079 OMF Invalid Linkage

151:080 OMF Invalid MOB Usage 151:081 OMF Invalid Byte Order 151:082 OMF Invalid Attribute Kind 151:083 OMF Required Positive 151:084 OMF Invalid Track Kind 151:085 OMF Invalid Edge Type 151:086 OMF Invalid Film Type 151:087 OMF Invalid MOB Type 151:088 OMF Invalid Track Type Reference 151:089 OMF Invalid Object 151:090 OMF Bad Virtual Create 151:091 OMF Invalid Class ID 151:092 OMF Bad Data Export Compression 151:093 OMF Bad LRC Data 151:094 OMF LRC Is Disabled 151:095 OMF Version Not Supported 151:096 OMF Invalid LRC BLEN 151:097 OMF LRC Descriptor Error 151:098 OMF LRC Mono Only 151:099 OMF LRC Bad Sample Size 151:100 OMF LRC No Seek 071:001 GFX Unknown Attribute Type 071:002 GFX Invalid Attribute Value 071:003 GFX Incompatible or Unknown Graphics Card 071:004 GFX Control Latch Error 071:005 GFX Invalid GFX Object 071:006 GFX Link Error 071:007 GFX Invalid Application Context 071:008 GFX Version Mismatch 071:009 GFX Window Mgr Error 071:010 GFX Geometry Error 071:011 GFX No Root Window 071:012 The GFX Window Mgr is Not Running 071:013 The GFX Window Mgr is Already Running 071:014 Invalid GFX Textport 071:015 Uninitialised GFX Textport 146:001 Flight - Mailbox in Wrong State 146:002 Flight - IPI Timeout 146:003 Flight - DCC Timeout 146:004 Flight - Message Port Init Error 146:005 Flight - Message Queue Full 146:006 Flight - iplock Timeout 146:007 Flight - Semaphore Table Full 146:008 Flight - Semaphore Busy 146:009 Flight - Semaphore Timeout 146:010 Flight - Semaphore Counter Overflow 146:011 Flight - Invalid Semaphore Id 146:012 Flight - Invalid IPL ID 146:013 Flight - Invalid IPI Level 146:014 Flight - Mutex Table Full 146:016 Flight - Mutex Timeout 146:017 Flight - Invalid Mutex ID 146:018 Flight - Too Many Mutexes for one Process 146:019 Flight - Mutex not owned by Process

146:020 Flight - Mutex Deadlock 146:021 Flight - Invalid Ackport Flag State 146:022 Flight - Invalid Ackport ID 146:023 Flight - Invalid DCL ID 146:024 Flight - Restart Timeout 146:025 Flight - Semaphore Initialised 146:026 Flight - Semaphore Released 146:027 Flight - Mutex Released 146:028 Flight - AckPort Released 254:001 ESPMSG Too Many Receivers 254:002 ESPMSG Too Many Senders 254:003 ESPMSG Too Many Ports 254:004 ESPMSG No Receiver For Port 254:005 ESPMSG No Sender 254:006 ESPMSG Version Error 254:007 ESPMSG Invalid Port Id 254:008 ESPMSG Invalid Receiver Id 254:009 ESPMSG Not Owner Of Receiver 254:010 ESPMSG Port Already Linked To Receiver 254:011 ESPMSG Global Directory Module Not Linked 254:012 ESPMSG Argument Error 254:013 ESPMSG Portname Not Found 254:014 ESPMSG Signal Received 254:015 ESPMSG Receive Timeout 254:016 ESPMSG Send (Queue Full) Timeout 254:017 ESPMSG Send (Acknowledge) Timeout 084:001 MACRO FULL 084:002 MACRO RAM FULL 084:003 CONSOLE PKT ERROR 084:004 CONSOLE PKT OVERFLOW 084:005 CONSOLE PKT SIZE ERROR 084:006 CONSOLE PKT TARGET ERROR 084:007 CONSOLE GROUP ATTACH ERROR 084:008 CONSOLE GROUP CONFLICT 084:009 CONSOLE PANEL ERROR 084:010 CONSOLE UNDO UNDERFLOW 083:001 CD-ROM Error 083:002 Cant Open Path to Port/Device 083:003 Cant Link to CD-ROM Device 083:004 Unable to Locate a CDROM Drive on the SCSI Bus 083:005 Unable to Close Session Correctly 083:006 Error Writing Data to CD-ROM 083:007 Number of Bytes to Write is NOT an integral number of CD Blocks 083:008 Cant Get Next Writable Address 083:009 Cant Erase CD-ROM Media 083:010 Cant Convert Samples into MSF Exactly !!! 083:011 Track Number Out of Range 083:012 Index Number Out of Range 083:013 Table of Contents Overflow (max 4096) 083:014 Cant Send Table of Contents 083:015 Unknown Directive in configutation File 083:016 Auto TOC Given an Uneven Number of Bytes to Write 083:017 Cant Create Table of Contents File 083:018 Cant Get Memory for Table of Contents

083:019 Cant Get Media Catalog Number From CD 083:020 Unable to Get Table of Contents From CD 083:021 Cant Get ISRC Number From CD 083:022 Cant get size of Audio File 083:023 Cant Seek to Start of Audio File 083:024 Could not Read in WAV Header 083:025 RIFF ID Not Found in WAV File Header 083:026 WAVE ID Not Found in WAV File Header 083:027 FORMAT ID Not Found in WAV File Header 083:028 WAV File is NOT in PCM Format 083:029 WAV File is NOT at a The Correct Sample Rate 083:030 WAV File is NOT in 16 bit Samples 083:031 WAV File data is NOT in 4 bytes chunks 083:032 Could not Read Audio File 083:033 Cant Seek to Start of Audio Data 083:034 Data Offset in ODD Position Within File 083:035 File Size Mismatch - NOT a Valid WAV File 083:036 No Audio File Specified 083:037 Cannot Allocate Best Memory for Disk Transfer 083:038 Unable to Open Configutatrion File 083:039 Unable to Open Audio File 083:040 Not Enough Samples in WAV File to Fullfill TOC Requirements 083:041 Cant Set Media Catalog Number 083:042 Cant Set ISRC Number 083:043 Current CD is NOT Blank - Replace with Blank CD 083:044 Cant Get Track Information From CD 083:045 Cant Get Disk Information 083:046 Cant Read Buffer Capacity 083:047 Track 1 Must Start at Time Zero 083:048 Cant Decode Table of Contents 083:049 Cant Create WAV File 083:050 Cant Write WAV File Header 083:051 No CD Media Inserted - Insert a Disk 083:052 Unimplemented Data Type 066:001 StarGate TimeOut 066:002 StarGate Abort 066:003 StarGate Error 066:004 StarGate IOmalloc error 066:005 StarGate Disconnected

# MFXSTARTUP (QDC) Script.

\*\*\*\*\* START OF FILE \*\*\*\*\* \* MFX Rev16 Startup Script \* ------\* \* \_\_\_ == \* \* 08:56:39 4 Feb 2000 - ajc: set qsys options to enable TCS debug \* 19:31:06 29 Mar 2000 - ajc: use /dongle for mixer communications \* 11:56:07 21 Apr 2000 - ajc: restored to /hssl; profile sys/usr cfg files \* \_\_\_\_\_ \* #@!!~FAIRLIGHT-BUG-FIXES~!!@# \* #@!!~~!!@# \* \* #@!!~FAIRLIGHT-CHANGES~!!@# \* Date: Mon Oct 25 00:27:20 1999 - steve Reviewer: \* No more silly wait after starting gserver. This task will now return \* when QSYS is running. If qserver returns an error then QSYS has NOT been \* started correcly (or at all). \* Date: Thu Oct 28 13:20:03 1999 - steve Reviewer: \* Start tcs console \* Date: Sun Oct 31 11:20:00 1999 - mcc Reviewer: \* Start dccsim until mdrdcc exists. \* Date: Wed Nov 17 17:12:03 1999 - mcc Reviewer: \* Remove dccsim, start mdrdcc now. \* Date: Fri Jan 28 12:48:37 2000 - mcc Reviewer: \* Remove audioman -x option. Remove mdrmain -c option. \* Date: Thu Mar 2 17:24:45 2000 - steve Reviewer: \* d maxage is setup in /dd/startup. Always has. So we dont have to do it here \* anymore. \* Date: Tue Mar 28 16:07:55 2000 - andrewh Reviewer: \* Port to rev 16 \* Date: Thu Apr 20 13:08:31 2000 - steve Reviewer: \* We now use HSSL as the default port for Fame \* Date: Mon May 15 08:58:58 2000 - mcc Reviewer: \* Remove audioman -m option. \* Date: Mon May 15 13:08:21 2000 - mcc Reviewer: \* Define ESP\_HIPRI\_3 \* Date: Sat Aug 5 12:56:08 2000 - mcc Reviewer: \* Defined more priorities. \* Date: Tue Aug 22 14:58:56 2000 - steve Reviewer: \* Removed obsolete profile statements

\* 18:08:32 1 Nov 2000 - ajc: don't start mixint (done by audioman) \*#@!!~~!!@# \_\_\_\_\_ \* #@!!~FAIRLIGHT-NEW-FEATURES~!!@# \* Date: Tue Mar 28 15:49:57 2000 - andrewh Reviewer: \* Enable mixint \* Date: Thu Sep 28 13:56:34 2000 - andrewh Reviewer: \* Port of protools import/export from rev 15 to rev 16 \* #@!!~~!!@# \* \* #@!!~FAIRLIGHT-TEST-NOTES~!!@# \* #@!!~~!!@# \* #@!!~FAIRLIGHT-RELEASE-NOTES~!!@# \* #@!!~~!!@# \_\_\_\_\_ \* == \* \* \$Log: mfxstart,v \$ \* Revision 1.7 2001/06/27 02:38:30 steve \* Redirect gservers stdin from /nil. \* Without this qserver would "hang on to" the mdrstart script. \* Revision 1.6 2001/01/17 04:17:20 mcc \* Show PRODUCT\_CONFIG when starting AMAN \* Revision 1.5 2000/11/26 10:41:09 mcc \* Remove sleep after tcs\_start. \* Revision 1.4 2000/11/01 23:56:50 ajc \* Don't start mixint - now done by audioman \* Revision 1.3 2000/10/23 02:33:54 andrewh \* Port of Protools import/export from rev 15 to rev 16 \* Revision 1.2 2000/10/06 07:49:45 mcc \* Don't redirect tcs\_start std output paths \* \* \* \* \* Set Priority Classes \* System variable MAXAGE should be set to ESP\_MAXAGE setenv ESP\_HIPRI\_8 1000 setenv ESP\_HIPRI\_7 807 setenv ESP\_HIPRI\_6 806 ;\* mdrfs setenv ESP\_HIPRI\_5 805

```
setenv ESP_HIPRI_4 804 ;* mdrint,tcs_console
setenv ESP_HIPRI_3 803 ;* audioman
setenv ESP_HIPRI_2 802 ;* consoled
setenv ESP_HIPRI_0 800;* mdrwfld
setenv ESP_MAXAGE 800
setenv ESP_PRI_10 138 ;* gfxdisp,gfxwm,gfxglob,
setenv ESP_PRI_8 134 ;* mdrwsmain,mdrwsplay,mdrwfld,mdrscitask
setenv ESP PRI 6 133;*
setenv ESP_PRI_4 132 ;* GFX modules
setenv ESP_PRI_2 130
setenv ESP_PRI_0 128
chx /dd/usr/cmds/mfx
* Ensure not already running...
mfxalready
load echo
load mdrstart
* Print Banner
echo -nz=/dd/usr/sys/mfx_copyright
* Display sign-on message in gfx status line.
sysmesg "Starting MFX"
echo Checking Console Software Revision
mfxload -sv >>>/tvt
echo "Starting QServer"
sysmesg "Starting QSYS"
qserver -q=atv </nil >>>/tvt
echo "Starting TCS Console Task"
sysmesg "Starting TCS Console Task"
(tcs_console -z </nil >>>/tvt &)<>>/nil
echo "Starting TCS"
sysmesg "Starting TCS"
tcs_start /dd/usr/qsys/tcs/tcsmain </nil
echo Starting AMAN: $(PRODUCT_CONFIG)
mdrstart 45 audioman -tkl </nil
echo Starting MDR MAIN
** Try These for Fast Editing/Undo/Redo (well it was faster for mfx3!)
**
***setenv UNDO DEPTH 7
***setenv UNDO DEVICE /r1
*
** Normal Settings for UNDO/REDO
setenv UNDO_DEPTH 64
setenv UNDO_DEVICE /dd/TMP
setenv NO_PT_MACBIN 1
```

\* mdrstart 30 mdrmain</nil \* echo Starting MDR PLAY mdrstart 30 mdrplay </nil \* echo Starting MDR SCI mdrstart 30 mdrscitask </nil \* unlink echo unlink mdrstart \*

# Option with 3 sec. Sleep mode and Feather script .....

\*\* About to change the feather default... sleep -s 3 feather 512 -3 50

\*\*\*\*\* END OF FILE \*\*\*\*\*