Flying Faders
Version 3
User Manual
527-142
Issue 1

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Health and Safety Warnings

Caution

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

- Only suitably trained personnel should service this equipment.
- No attempt to enter this equipment should be made by the user.
- There are no user serviceable parts enclosed.
- Please read and take note of all warning and informative labels.
- This equipment must be isolated from the mains by removing the incoming IEC mains connector before starting any servicing operation.
- Ensure that mains outlet sockets of the facility are easily identifiable.
- All installation wiring must comply with your national wiring regulations.

Explanation of Warning Symbols

The lightning flash with arrow head symbol within an equilateral triangle is intended to alert the user to the presence of dangerous voltages and energy levels within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock or injury.

The exclamation mark within an equilateral triangle is intended to prompt the user to refer to important operating or maintenance (servicing) instructions in the documentation supplied with the product.
Earthing, Power Supplies and Fuse Ratings

This equipment must be EARTHED.

The equipment gets its main safety earth through the power cord. Connection should only be made via a suitable socket where the earth ground has been verified. If the ground connection is not present the whole of the equipment could present a potential electric shock hazard.

Information on the mains current and voltages ratings for this equipment is located on the mains rating plate near the IEC mains inlet. Fuses should only be replaced with ones of the same type and rating as that indicated on the ratings plate.

System Interconnections

All system interconnections to this equipment fall within the SELV limits as defined by EN60950.

Environmental Considerations

Temperature Range:
Operating 0°C to +30°C,
Non-operating -20°C to +60°C.

Relative humidity:
Operating 25% to 80% non condensing.
Non-operating 0% to 90% non condensing.

Should condensation have occurred during shipping it is essential that the units are given time to adjust to the ambient temperature to allow the condensation to dissipate before power is applied.

Altitude:
Operating Up to 2,000 feet
Non-operating 40,000 feet.

Ensure that the equipment is securely mounted in a rack or on a secure level surface before operating. Additional supports are recommended for rack mounted equipment over 3U high.

Operate only in a clean and dry environment.

Do not operate in an explosive atmosphere.
Do not allow any liquid or solid objects to enter the equipment. Should this accidentally occur then immediately switch off the unit and contact your service agent.

**Cooling**

Ensure adequate space for cooling is provided - this will also enhance the life and reliability of the equipment.

Do not allow ventilation slots to be blocked.

Service personnel should periodically inspect, and if necessary, clean air filters on the rack units.

Do not leave the equipment powered up with the dust cover fitted (where provided).

**Cooling methods:**
Where convection cooling is used (for example the console with no air filters) ensure free air flow by allowing a gap of at least 75mm all around the equipment. If in doubt contact AMS Neve Customer Support Department for advice.
The rack mounted equipment uses forced air cooling with air filters.

**Cleaning**

For cleaning the front panels of the equipment we recommend anti-static screen cleaner sprayed onto a soft cloth to dampen it only.

**Warning**

Exposure to high sound pressure levels for extended periods of time can permanently damage your hearing.
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Flying Faders and Microsoft Windows

Flying Faders operates in a graphics environment called Microsoft Windows, created by Microsoft Corporation. An extension of the MS-DOS operating system, Microsoft Windows gives a standard look and feel to Flying Faders and all other Windows applications.

The Flying Faders package contains all the software necessary to run Flying Faders. You can also run Flying Faders under Microsoft Windows version 2.0 or higher.

With Microsoft Windows, you can take advantage of these additional features of the Windows environment:

-Running multiple applications: You can run several applications under Windows at one time and easily switch between them, creating an integrated work environment.
-Data exchange between applications: You can transfer data between Flying Faders and other standard DOS applications as well as other Windows applications.
-Windows control of the DOS environment: From the Windows environment you can easily access all Windows and non-Windows applications, files, directories, and disks, and control all DOS-related tasks such as directory or file management and formatting disks.

To run Flying Faders under Microsoft Windows, you need to license and install Microsoft Windows version 2.03 or higher.

The above text is a Microsoft(s) Windows licensing requirement and may be ignored by Flying Faders users who don't wish to license Microsoft Windows.
Safety Notice

Flying Faders Optical Transmitter

The Flying Faders computer and console rack are both fitted with an intense optical transmitter (LA15001). The data sheet for the device states:

WARNING:


DO NOT STARE ALONG THE AXIS OF THE OPTICAL PORT WHEN THE TRANSMITTER IS ACTIVE AND THE OPTICAL CABLE IS DISCONNECTED.
Flying Faders Version 3.10

Enhancements / Changes

FILM and STORES options

These options are now part of the basic Flying Faders package, and need not be purchased separately.

SAFE STOP

Before version 3.10, the SAFE STOP feature was a ‘moving’ SAFE STOP. This means that the faders would instantly match to the play pass when the tape was stopped and you see the match as written to the mix data. (The faders moved as if the global match button had been depressed using a one-frame glide rate.)

This form of SAFE STOP remains the default option.

In version 3.10 a ‘stationary’ SAFE STOP option has been added, which means that when tape stops, although the match is written to the mix data, the faders do not move. Only when the mix is replayed will the faders move to the recorded match. This ‘stationary’ option is particularly useful in post-production where it is necessary to invoke the SAFE STOP feature as a protection, yet have the faders stay at their previous levels when going from PLAY to REVERSE.

The ‘moving’ SAFE STOP option (default) can be changed so that Flying Faders starts in the ‘stationary’ SAFE STOP mode, by entering the command (shown below), into the MFAD.INI file. However, if you only want to use ‘stationary’ SAFE STOP mode for one session, then the same command should be entered via the Diagnostics Window. Flying Faders will then revert to the default state (‘moving’) when it is reset, or the computer rebooted.

SAFE STOP Command is:

For ‘stationary’ SAFE STOP:  set movings off

For ‘moving’ SAFE STOP: (default) set movings on

DISK FORMATTING

For improved safety, in version 3.10 you can no longer format via the COPY DISK window. You must use either MS-DOS pre-formatted disks, or use the FORMAT DISK utility under the Disk menu, before copying to floppy.
Again, for improved safety, the "Mix and Special files" backup and restore utilities have been relocated. They are no longer under the Disk menu. In order to access these utilities, you must now exit Flying Faders (hold down the <CTRL> key and press the <Q> key) and select from the MS-DOS menu designed for studio technicians.

Bugs Fixed

MUTES

- With SAFE STOP or SAFETY NETS on, a mute that was in Isolate could toggle as tape is started.
- The mute list could edit the wrong entry, particularly if you edited a mute whose time was a Preset.
- The mute list could show Preset entries in the wrong part of the list.

'CLEAR MIX MEMORY' Command

- Sometimes this command would reset SOLO mode to GLOBAL.
- Mutes that were in ISOLATE, were sometimes set to READY when Clear Mix Memory was used.

TIMECODE DISPLAY

- The timecode display was sometimes erratic, particularly with 24 frame code.
- With LOCAL ZERO on, the timecode display would flash 24:00:00:00 as you crossed zero.

REASSIGN CHANNELS Option in LOAD window

- Sometimes this would prevent the loading of a mix.
- The Reassign Channels Map is now remembered so that if you are loading more than one mix from another studio, Flying Faders remembers the last map setting.

CHANNEL EVENTS

- Mixes from Flying Faders version 2.nn would not load in a system using 3.nn.
- Systems required that the MFAD.INI file be set to believe there was at least one channel event in order for various channel list boxes to work correctly, and mixes load correctly from systems with channel events.
If the Automate Channel Buttons window had no channels selected and you loaded a mix, the channel button automation data would not be loaded. As a result, if you enabled automation on them later on, there would be no data to play back. Now event data is loaded whether it is used or not.

EQ buttons would toggle if a change were made in the Automate Channel Buttons window, even if you were not automating EQ buttons.

MISCELLANEOUS

- MASTER TOUCH ISOLATE sometimes crashed Flying Faders.
- Delete occasionally did not function while in MIX CONFORMING.
- Incorrect Snapshot Loading & Storing sometimes occurred.
- Channel names were lost when leaving Flying Faders to go to Recall or DOS.
- Locating to a negative foot/frame number did not work.
  Note: You must enter the desired locate number and then the minus sign. If the minus sign is entered first, Flying Faders will go to a time back from the present position, not to the foot/frames number.
- In TRIM mode, faders that were in SAFE would be trimmed.
  Note: Now they can be selected but will ignore the trim setting.
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