LOGIC DFC

Software Update

Version 3

New Features in Version 3 include:

- New Buttons (Graphic EQ/Dyn, Safety Nets & Bank)
- Banks
- Predub Meter
- Save and Name Copy Buffer
- Safety Nets accessible from the Surface
- Channel A/B Switch
- Look Ahead Compressor
- Channel Range
- Backup Manager - New Features
- Fader Match Arrows
- 96Khz and 88.2Khz Sample Rates
- Pro Tools 'Track Punch'
- Support of Windows XP
- MCS Reset and MCS Locate
- Automation from a Standing Start
- MIOS / Mic/Line Control
- 48 Grouped Ports
- 12dB / Octave filter user preference
- Launch Encore EQ/Dynamics page from the Surface
- Route Mode Clear
- Mix Pass Tree displays details
- Bug Fixes



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NEW FEATURES

New Buttons

New buttons have been added to the Master section including:

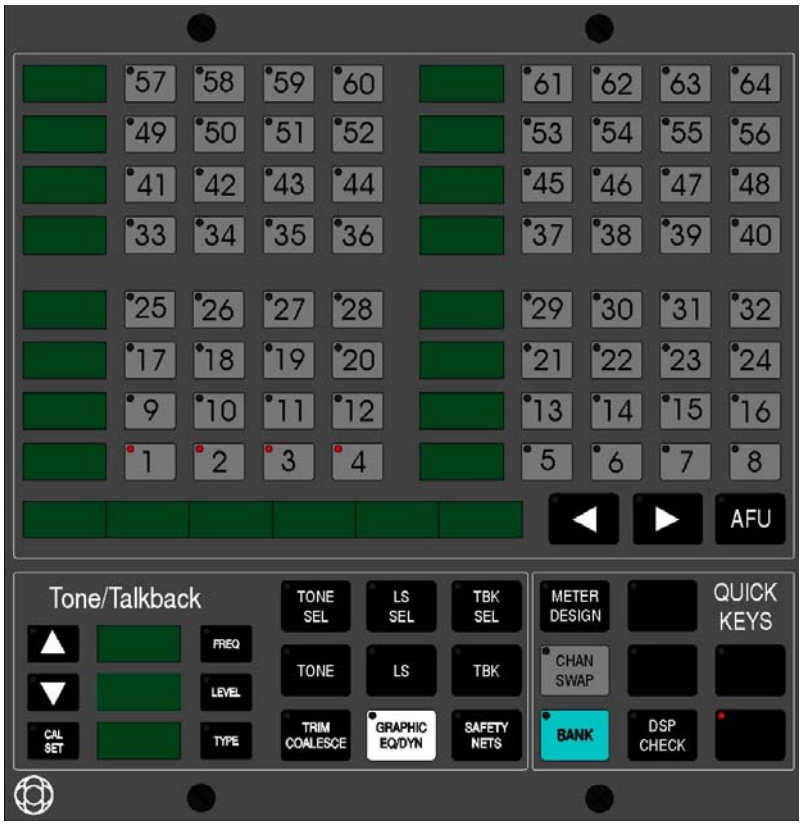
GRAPHIC EQ/DYN

SAFETY NETS

BANK

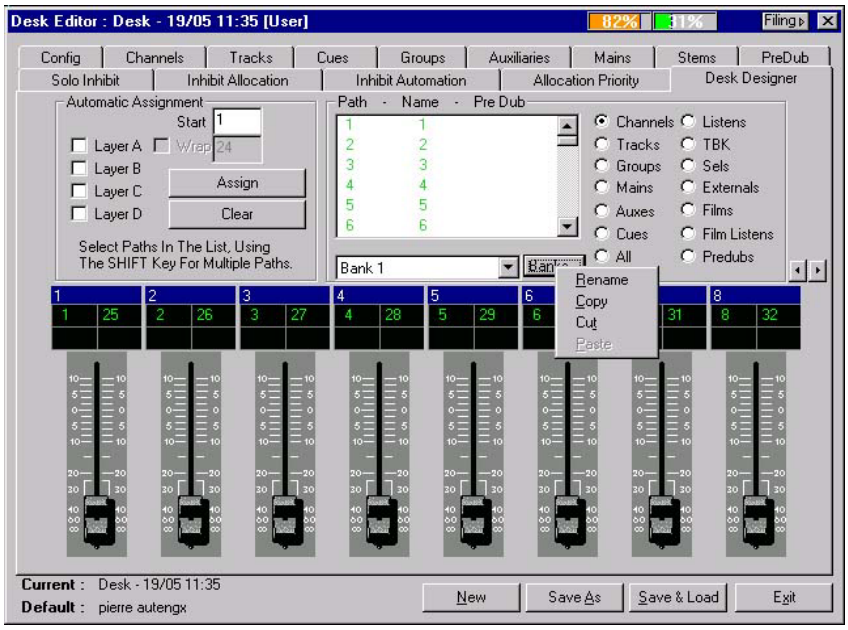
✍ *The BANK button position and function has changed.*

The panel below shows the new buttons.



Banks

Six Banks of Desk Designs can be recalled immediately from the surface using the new **BANK** key. Each operator partition can access and change banks independently. Desk Designer software has been updated to allow the creation of 6 Desk Designs for each Mix setup file as shown below.

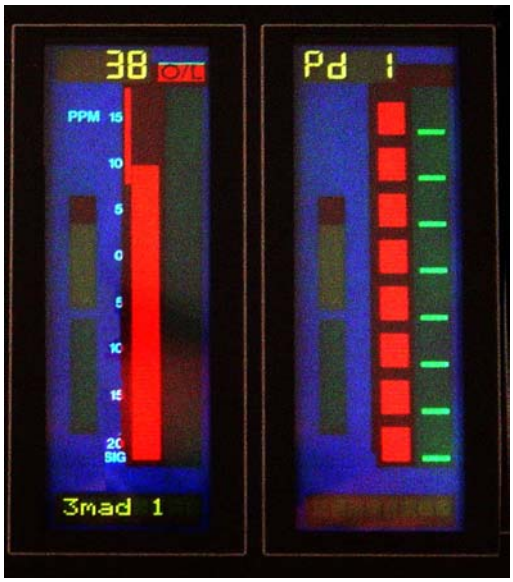


The panel below shows the new bank display under the **PATH A & B** selector keys, Banks can be renamed in the Desk Editor.

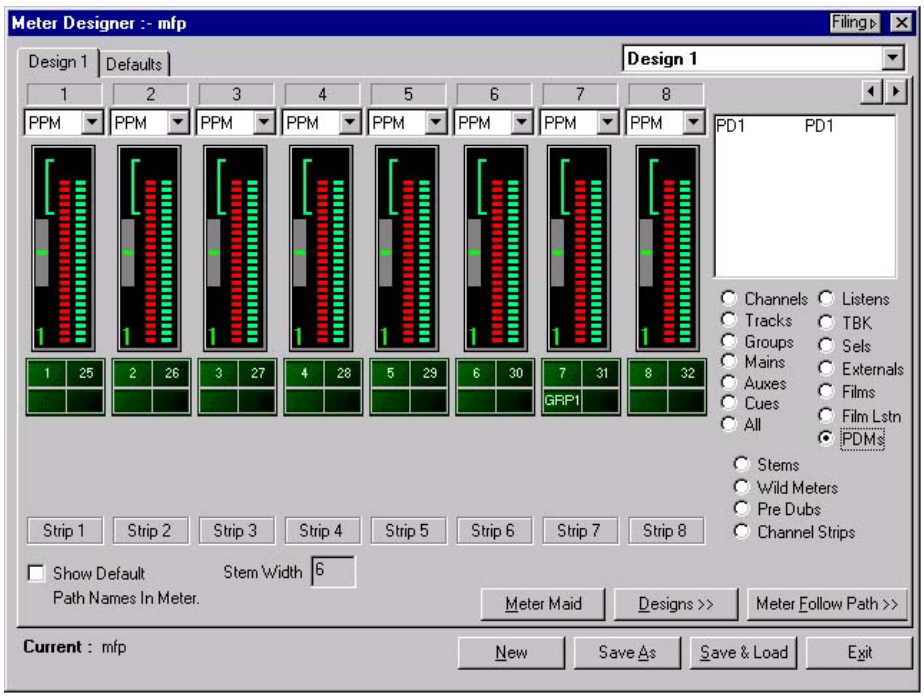


Predub Meter

If a predub meter (PDM) is selected, the bargraph meter will be split into eight sections to display the 'signal presence' of predub members. The signal presence parameters in the preference page control the threshold of predub metering:



PDMs are specified in Meter Designer screen:



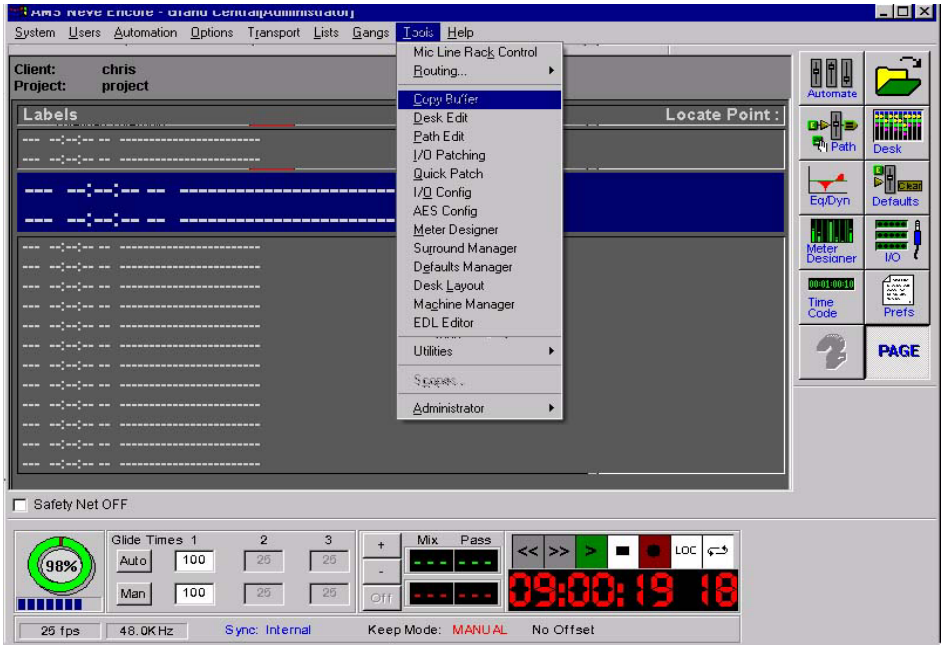
Save and Name Copy Buffer

Copy Buffers 1-20 can be renamed and saved to a separate file.

The Copy Buffer files can be exchanged between projects.



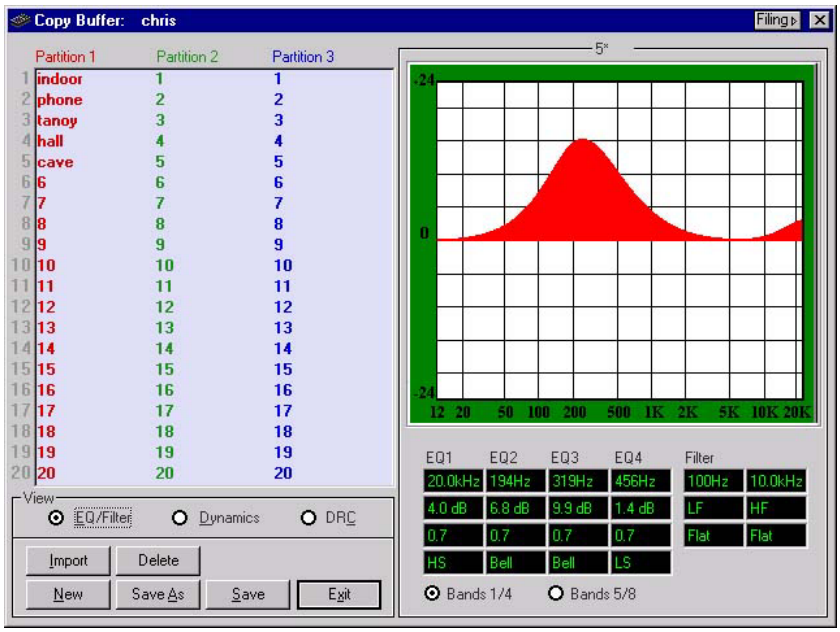
➤ A new copy buffer screen is available by selecting the **Tools** menu then **Copy Buffer**.



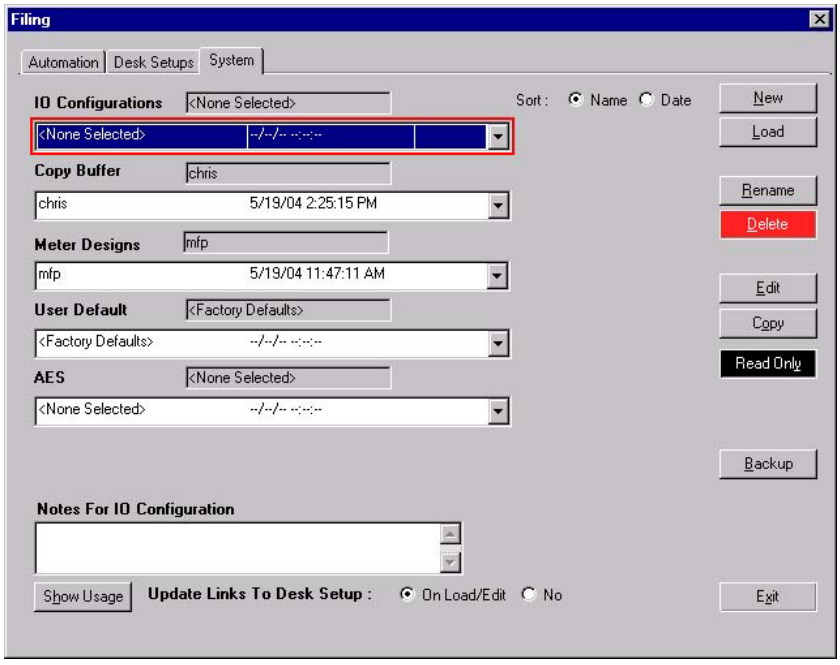
A list is displayed for all three partitions with the EQ/Dynamics curve view of each selection.

➤ The buffers can be named by double clicking the buffer number.

The copy buffer file utilities (New, Save and Save As) allow users to store all the Copy Buffers under one file name.



➤ The Copy Buffer file is accessible from the System section of the Filing Page.



Safety Nets – accessible from the console surface

Safety Nets can be activated from the console surface using the new **SAFETY NETS** button.

➤ When the safety net is active, the arrow keys (**< >**) will step the safety net in and out point through the Encore Label List.

This is a quick method of setting up safety nets for the next or previous scene in one keystroke.

Each operator section can access the SAFETY NETS key from the master section independently, and each operator section can activate/de-activate safety nets independently.



Channel A/B Switch

This function allows the user to pre define two inputs into a channel (A and B).

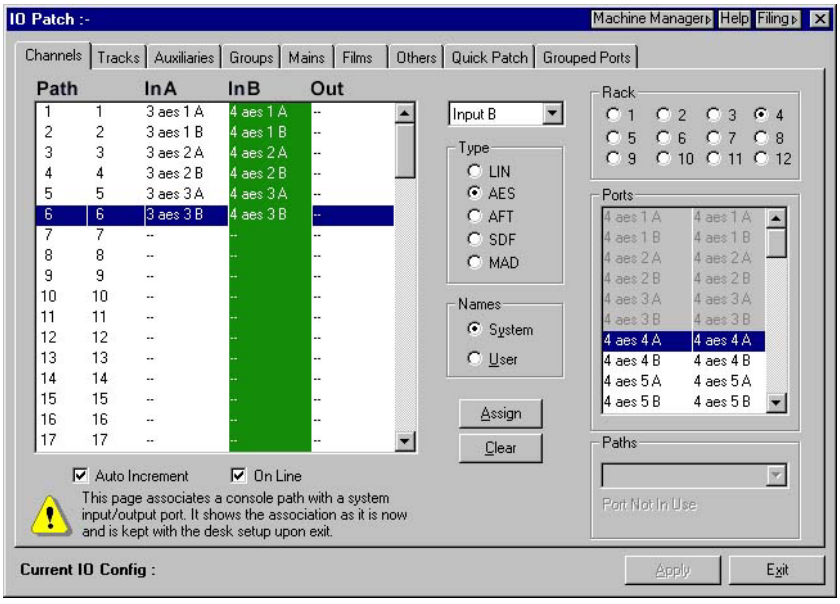
➤ Selecting A/B on each channel or within a channel range switches between the two ports.

The panel below shows the A/B switch on the bottom logicator of I/O patch.

The A/B switch is also available in the I/O & Pan Page.



I/O Manager has also been modified for Input A and Input B.

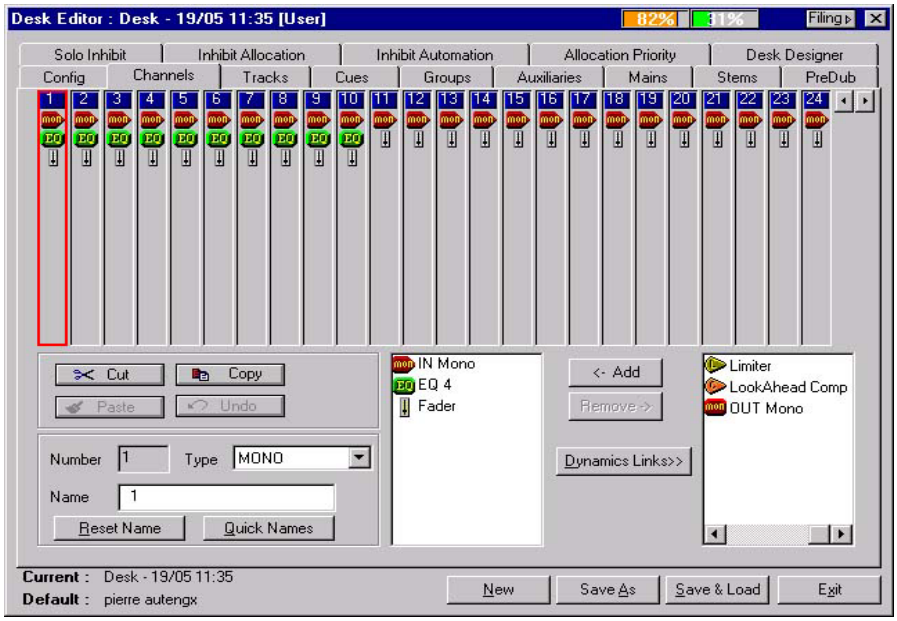


Look Ahead Compressor

This allows the user to delay a signal and for the dynamics in the signal path to 'look ahead' and anticipate the controlling level for dynamics response.

✍ *Available on XSP systems only.*

The screen below shows the new "Look ahead Compressor" option in the Desk Editor.



The bottom logicator on each compressor will be labelled "Look" and will adjust the look ahead period.

Channel Range

This allows a range of channel strips to be specified by the operator, so that setup controls (e.g. porting, nulling values) operate across the range.

The (latching) 'Multi-Select' key allows the user to specify a range by:

- Selecting a Master Path Key (**Path A**, **Path B** etc in the Master Section)
- Selecting individual Path keys on the channel strips
- Pressing and holding two Path Keys to specify a range (e.g. Path A on channel strip 1 and channel strip 12)
- Selecting individual paths from the matrix panel
- Pressing and holding two keys on the matrix panel to specify a range

Predub slaves are automatically added to the selection if the predub master is selected and the predub is collapsed.

The channel name will flash when it is included in a range. Each operator partition can set up range controls independently.

Pressing the **UNDO** key clears the current selection. By default the current selection is saved when you exit channel range mode and will be recalled next time you enter the mode. This can be overridden using the 'Clear selection on exit preferences' in the Control Sensitivity page in Preferences.

The following controls operate across the range:

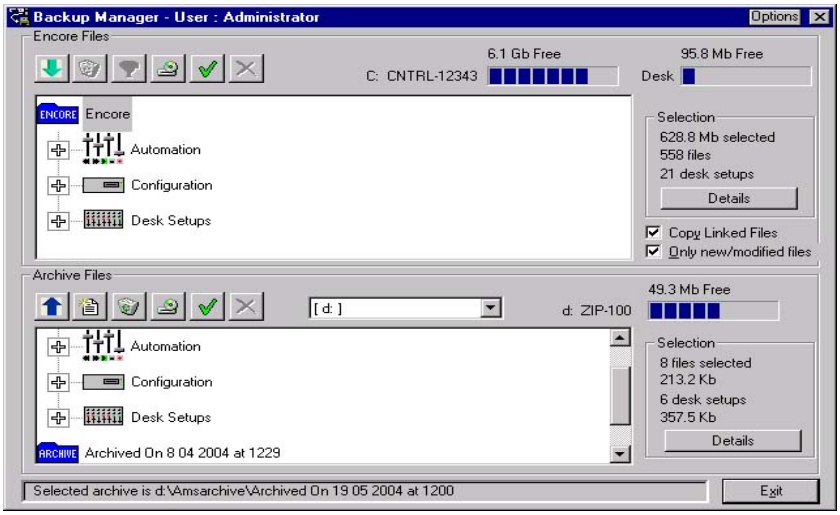
Parameter Null (e.g. clearing EQ/Faders)
Copy
Channel stem select
IO Port Name
IO Port Number (with auto-increment)
IO Port A/B

Backup Manager

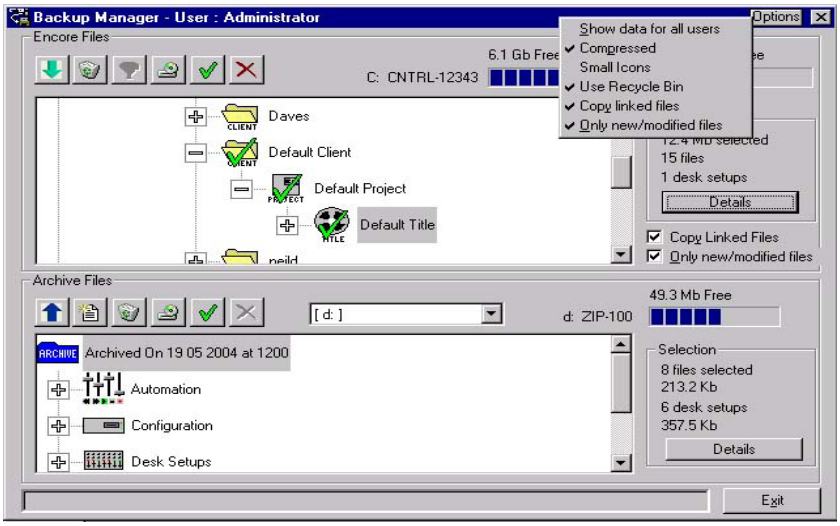
New features include:

- Individual selection - you can select several mixes, desks, files, etc. to be backed up at the same time.
- Multi Disk: if you run out of disk space, it will ask for another disk. The user can then restore the backups on each disk individually (i.e. if back up is on 3 disks, you can restore what is on disk 2 without restoring disk 1 and 3).
- You can abort a backup or restore operation, and it will show what wasn't restored.
- You can restore a mix into another client/project/title/mix.

The screen below shows the new Backup Manager display with the new icons.



The screen below shows additional **options** available to simplify the main screen.



Fader Match Arrows

Arrows indicate the direction of the ‘match point’ during an automation pass.

✍ *Both arrows are lit at the match point.*



96Khz and 88.2Khz Sample Rates

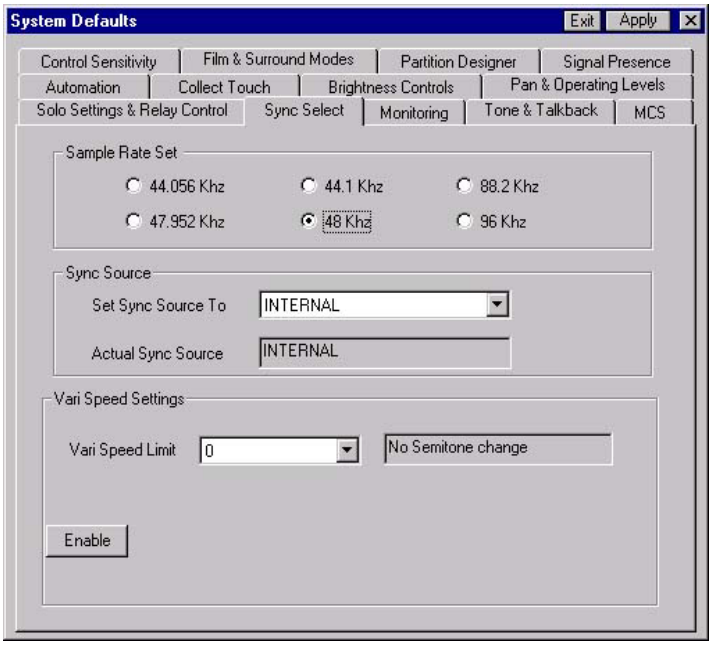
Requirements:

XSP Processor Card

MIOS I/O Rack

AES 960 Rack

96k Transync card (SUN820B249)



Pro Tools 'Track Punch'

Support of 9-pin transport and track arming commands to Pro Tools Version 6.42 onwards.

Support of Windows XP

See documentation specific to the XP upgrade as new hardware is required.

MCS Reset and MCS Locate

This allows the user to reset the MCS independently of the Console and Encore.

Locate to Labels from the MCS Panel

- Pressing the LOC key on the MCS panel opens the Encore MCS Labels Window.
- The ENTER key toggles between the label list & the timecode entry box. With the list selected, the plus/minus keys scroll the label list.
- Press LOC again to close the Encore window & locate to the selected label.
- With the timecode entry box selected, use keys 0 to 9 to enter the locate time. Press LOC to close the Encore window & locate to the entered time.
- To select this mode go to Prefs / MCS / Panel then tick the "use Encore labels for Locate/cycle setup".

Automation from a Standing Start

Encore Automation will write values from the stationary (start) timecode value when a transport PLAY command is issued by the AMS Neve MCS panel or from an external controller when the MCS is in 9-pin emulation mode. A preference (Automation / instant Start) allows user to deselect this feature if it adversely affects the lockup time of transports.

MIOS / Mic/Line Control

On any channel strip fed from a MIOS mic module, if you select “Input Patch”, the lower 4 logicators behave as follows:

Logicator 1 – Mic A, Mic B, Line

Logicator 2 – Gain

Logicator 3 – Phase

Logicator 4 – Delay

Selecting page 2 selects the following functions:

Logicator 3 – 48v on/off

Logicator 4 – Limiter/Filter on/off individually, or together

48 Grouped Ports

Maximum number of port groups increased from 32 to 48.

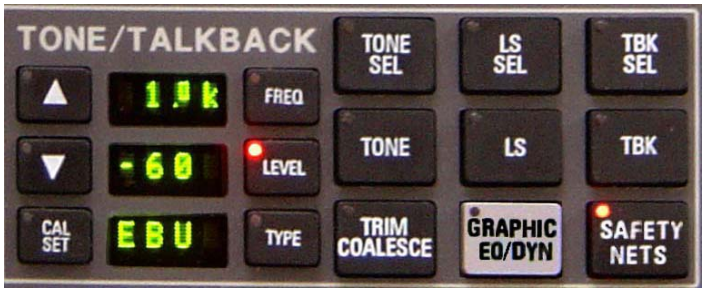
12dB / Octave filter user preference

Filters may be specified as 12dB/Octave type to gain more DSP processing power.

✍ *Only available on XSP systems.*

Launch Encore EQ/Dynamics page from the Console Surface

A dedicated key (GRAPHIC EQ/DYN) in the master section launches the EQ/Dynamics curve page in Encore.

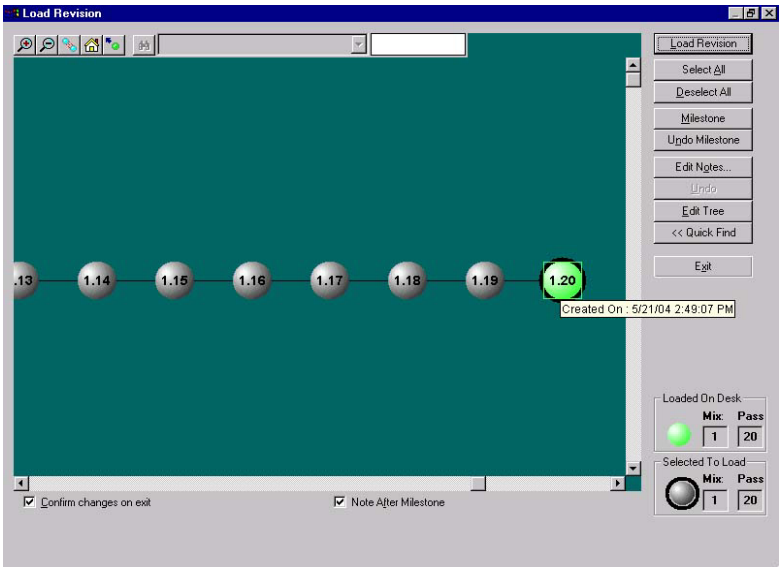


Route Mode Clear

The routing may be cleared by holding the ROUTE MODE and ON/CLR keys on the channel strips.

✍ *This is for stem routing only.*

Mix Pass Tree displays creation details



BUG FIXES

- **Coalesce Trim**
  A global automation mode change out of Trim with the “Coalesce trim on exit” preference enabled would lock-up the console.

- **Peak Meters**
  Fixed wrap-around display bug for peak meters on SHARC meter controllers.

- **AES Cards**
  Can now handle pulldown sample rates correctly without having to enable SRC.

- **Fix for loss of transport commands**
  Occasionally transport commands from the MCS would not be acted upon, typically resulting in the Encore timecode display running on after a timeline stop command.

- **Match Sense**
  Now displays arrows rather than flickering between arrows and control value.

- **Film Insert Porting**
  Not copied on New / Save As in Desk Editor.

- **Automation Conform**
  Occasionally caused a "Fixed timecode error(s)" message to appear the first time KEEP was pressed after loading the conformed automation.

- **Floating timecode window**
  Did not follow the sample rate of the desk.

- **Stem Meter follow PEC Panel**
  Didn’t work if the PEC/Direct panel was in collapsed mode.
  Now follows the A to F buttons.

- **Renaming automation mixes**
  Wasn’t possible for mixes with long filenames.

- **Track to Film Routing**
  If LS mode was enabled when a stem to film route was created and the stem was selected to be monitored, an actual rather than a latent route would be created.

- **Removing Tracks from Stems**
  If a track was removed from a stem using Desk Editor, the stem to film routing was not cleared.

- **Changes to auto/desk keep result messages**

  Keep

  "Auto OFF": Automation failed to save - not enabled in Encore

  "AutoFAIL": Automation failed to save - timeline running

  "Auto OK": Automation saved successfully

  All + Keep

  "ReadOnly": Desk Setup failed to save due to read only file

  "All OK": Desk Setup & Automation saved successfully

  "DeskONLY": Desk Setup saved, Automation failed to save - timeline running or automation not enabled in Encore

  "DeskFAIL": Desk Setup failed to save due to filer error

These messages will appear in the alphanumeric display above the KEEP key in the master section.

INSTALLATION INFORMATION

Upgrading from DFC V2.9 software

✍ *No hardware upgrades are required.*

➤ Untick Madi IOS in Config Edit if upgrading from a DFC build prior to 2537.

➤ Setup Channel 55 on each port as shown below.

✍ *The Desk Setup format has changed from v2.9.*

➤ Hold Lock and press ALL/SCOPE & KEEP to save a Desk Setup in V2.9 format.

Upgrading from DFC V2.95 software

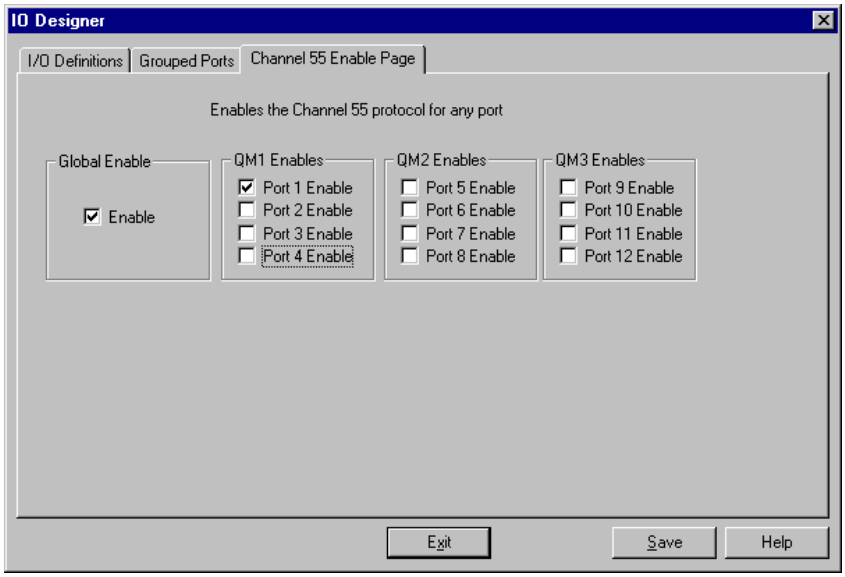
✍ *No hardware upgrades are required.*

➤ Setup Ch55 if upgrading from a DFC build prior to 2764.

✍ *The Desk Setup format has changed in DFC build 2637.*

➤ Hold Lock and press All/Scope & Keep to save a Desk Setup in v2.9 format.

The screen below shows the Channel 55 Enable page in I/O designer.



When Channel 55 is enabled it allows communication between the SPS rack and the I/O racks. This allows the user to use the AES config screen in Encore and the ability to save SRC settings rather than selecting SRC from the front panel of the AES 960 rack. With Channel 55 switched off it allows the user 56 inputs and outputs but no ability to use the AES config screen.

The Channel 55 Enable Page is used to configure Channel 55 protocol for each MADI port. The switch(es) on the QuadMADI card which were used to configure Channel 55 protocol in previous software versions are no longer used.

- Tick "Global Enable" if you have any self-booting IOS / MIOS / AES960 racks connected and tick the port enables of the ports they are connected to.
- If you have Master / Slave style tranlinked IOS racks, untick "Global Enable"

If you are running software older than V2.9 please contact the AMS-NEVE customer support department before installation to check your hardware is compatible with the new software.

INSTALLATION INSTRUCTIONS

We strongly recommend that you backup your hard disk prior to this installation, and at regular intervals during normal desk use. This will safeguard against accidental loss of mix and configuration data.

Before upgrading to version 3 all DFC systems MUST have 16Mb memory on the allocation processor.

When installing, it is important to use both DFC and Encore Versions from the supplied CD-ROM.

Do not combine other build numbers.

Installing the new Encore software

- Close all Encore and DFC applications. If you are logged on to the system at a user privilege level, press CTRL + ALT + DEL and select Log off. Log back on to the system as username: '**administrator**' with the password: '**admin**' (in lower case).
- Place the supplied CD-ROM in the Encore CD drive. Go into Explorer and select drive D:\ (Where D is the drive letter for the CD drive).
- In the **v3_software** folder double click on the directory named '**Encore**'.
- Double click on '**Encore1805K.exe**'.
- Click on '**Next**' in the welcome page.
- Both the **System Files and Encore should be ticked** (some WindowsNT system files need to be updated for this version of Encore), click on '**Next**'.
- Click on '**Next**' in the following page. Files will now be copied from the CD-ROM to C:\Encore on the Encore PC.
- When prompted, click '**Finish**' - The computer will reboot and start the second part of the install.
- Press the CTRL + ALT + DEL and log back on as Administrator, as before.
- Click on '**Next**' at the welcome screen.
- Click on '**Next**' at the Select Components screen.
  Note: 'Setup the AMS control panel after copying files' is unchecked by default. This option is only used if you need to change certain system settings, if you are updating Encore from a previous version you don't need to check this box. Please refer to the user manual for further information on this topic.
- Click on '**Next**' at the Start Installation screen. Once files have been copied, a 'file validation' screen will appear, it performs a check to see if the files on the PC have been copied correctly, Following a 'Validation has PASSED' message click on the Exit button (The validation could fail if for instance Encore or Corserver are still running).

➤ Click on '**Finish**' at the 'Installation Complete' dialogue. The computer will reboot and installation of Encore is complete.

Installing the new DFC software

➤ Place the supplied CD-ROM in the Encore CD drive.

➤ Go into Explorer and select drive D:\ (Where D is the drive letter for the CD drive).

➤ In the **v3_software** folder double click on the directory named '**2930v3**'.

➤ Double click on '**Disk 1**'.

➤ Double click on '**setup.exe**'.

➤ Click on '**Next**' in the welcome page. Files will now be copied from the CD-ROM to C:\DFC.

➤ After the install, the 'validate files' page reappears. Assuming the message 'Validation has PASSED' appears then click on the '**Exit**' button. (If the validation fails, check that all unrelated programmes are shut down – if the validation fails after a second install, please contact AMS-Neve customer support.)

➤ Select '**Yes**' to the question '*do you want to upload software to the console now?*'

➤ Once the files have been copied to the DFC drive, the CFG Edit box will appear. Click '**SET**' then '**exit**'.

➤ Click '**OK**' to reset the desk.

➤ Click '**OK**' on the 'console setup is now complete' dialogue box.

The DFC Version 3 and Encore Software installation is now complete.