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RADAR[®] 3.37 RELEASE NOTES

PRESS CANCEL TO RETURN TO RADARVIEW

Contact Support: (800) 776-1356

Release Date: August, 2005

Welcome to RADAR Version 3.37! Why not take a few moments to review these release notes to see what's new in Version 3.37. Use the up and down arrows on your keyboard to scroll through, or the cancel key to go to RADAR View.

RADAR PDF viewer navigation keystrokes

*() Bracketed numbers indicate track arm keys

Action	KC24	Session Controller
Start Viewer	H	HELP or H
Return to RADAR View	REDO (to highlight iZ Icon) + PLAY or mouse click iZ Icon	Cancel (1)
Select different PDF file (in Viewer)	None (select from Radar View)	HELP
Start Viewer (focus on find Control)	None	Shift + HELP
Change Focus (Bookmarks -> Text -> Bookmarks)	REDO or Shift REDO	MENU PREV
Change items in Bookmarks	Up or Down Arrow	Up or Down Arrow
Change Views (Bookmarks ->Page Num -> None)	Alt B Alt L Alt H	Track Arm Buttons (3) (4) (5)
Expand Bookmark	REDO + Right Arrow	ENTER
Collapse Bookmark	REDO + Left Arrow	ENTER
Zoom in viewer	Alt +	HORZ/VERT ZOOM IN (18)
Zoom out viewer	Alt -	HORZ/VERT ZOOM OUT (19)
Forward 10 pages	None	Fast Forward (8)
Back 10 pages	None	Rewind (7)
Scroll page forward	Down Arrow	Down Arrow
Scroll page backward	Up Arrow	Up Arrow
Next Page	MARK OUT	Play (10)
Previous Page	MARK IN	Stop (11)
Last Page	None	Shift + Fast Forward (9)
First Page	None	Shift + Rewind (6)
Back in page History	Alt Left Arrow	Track Arm (12)
Forward in Page History	Alt Right Arrow	Track Arm (13)
Fit to page width	Alt SHUTTLE	Track Arm (14)
Fit to page	Alt ENTER TIME	Track Arm (15)
Rotate document clockwise	None	Track Arm (16)
Rotate document counter clockwise	None	Track Arm (17)
Focus on Find Control	REDO	Qwerty Keys (20)
Focus on Goto Page Control	REDO	Numeric Keys (22)
Find – Search	Enter	Enter (21)
Find – Search Again	Alt F	Enter (21)
About Dialog	None	Track Arm (23)
Goto Page	Alt G	Enter
Dismiss dialogs or popup messages	PLAY (with focus)	Cancel



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Hardware Requirements for Version 3.37

(These are the same as the requirements for version 3.30)

Processor

Version 3.37 requires a **minimum 800 MHz processor**. You can determine your RADAR's processor speed by watching closely as it boots up. When the Energy Star logo appears in the top right corner of the screen, look for a line that says:

"INTEL[®] CELERON[™] CPU at 800MHZ".

This means you have an 800 MHz processor. If you see:

"Main Processor: Intel Celeron[™] 1 GHz (100x10.0)"

then you have a 1000 MHz processor which is more than adequate. If it says something like:

"INTEL[®] CELERON[™] CPU at 667MHZ"

then you have a slower processor, and need to upgrade before installing the 3.37 software.

Memory

Version 3.37 requires a **minimum of 384 MB of host memory (RAM)**. The amount of memory is displayed during boot up in the same area as the processor information. If you see:

"Memory Test: 393216 K OK",

then you have the required 384 MB of memory. You can also determine your RADAR's memory by going to the SYSTEM MENU, selecting SYSTEM VERSION, and then using the ↓ key to scroll down to the **INSTALLED RAM** menu. If you see a value less than 393216 Kbytes, you need to add memory before installing the 3.37 software. **Note that the maximum amount of memory that may be installed in RADAR is 768 MB.**

System Drive Ribbon Cable

If you will be burning CD-R or DVD-R disks using a multi drive (like the Panasonic SW-9573), an 80-wire ribbon cable is required for both the IDE system drive and the DVD multi drive. If your RADAR was built prior to February 25, 2003, you may need to upgrade your cabling before burning disks.



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Requirements for the Adrenaline[®]Plus Card

Memory

The Adrenaline[®]Plus card requires **768 MB of host memory (RAM)**. **Note that 768 MB is the maximum amount of memory that may be installed in RADAR.**

Audio Drive

If you have an Adrenaline[®]Plus card installed and plan to use the **24 TRACKS AT 192 KHz** mode, you must use an iZ approved audio drive that is capable of handling the high throughput of audio data.

High Sample Rate Projects

Audio recorded at sample rates above 48 KHz is handled differently by the Adrenaline[®]Plus card. To convert existing high sample rate projects to this mode, export them (before installing the Adrenaline[®]Plus card) to a temporary folder on the system drive (or to any drive of your choice). Then, after installing the card, import the projects to an iZ approved high performance audio drive.

Installing the Version 3.37 software on your RADAR:

Note: Before you begin the upgrade, make sure you have a **backup of current sessions**. This is a standard precaution. If you are installing an Adrenaline[®]Plus card with the software upgrade and you have projects at sample rates above 48 KHz, you will need to **export** these projects so that they can be converted to the Adrenaline[®]Plus mode after installation. You may also need to upgrade your memory and/or audio drive (see above).

If you are installing the downloadable version of the 3.37 software from the www.izcorp.com web site, you can only install the software if you currently have **Version 3.30 or later** installed.

If you are installing the full version of the 3.37 software, you can install if you currently have **Version 3.20 or later** installed.

You do not have to select "UPGRADE SYSTEM" before installing the new software. You can also mount drives from old versions of RADAR and they will automatically be upgraded to 3.37. This will work for any RADAR drive, and also with drives from RADAR II Version 2.20 or later. If a drive



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is to be loaded from a RADAR II unit running older software you must first choose "UPGRADE SYSTEM" from the SYSTEM menu on the RADAR II to prepare the drive.

If you decide to revert to a pre-3.35 software, after installing version 3.37, you must uninstall the networking environment by selecting the "**DOWNGRADE SYSTEM**" option in the SYSTEM MENU.

Audio drives will be compatible with older versions of RADAR provided that they have been initialized in the "AUDIO:!RADAR!" format. If you have an audio drive that you want to load into a RADAR running pre-3.30 software, you must "**MAKE PORTABLE**" when unmounting it.

RADAR install software can now be transferred via CD, floppy, FTP over a network or FTP from a PC or Mac computer using an Ethernet cross-over cable. Check the requirements below to see which method is best for you.

Install from CD

You must have ALL the following requirements in place in order for this type of install to be successful:

CD Install Requirements

- **R24CDNET** software loader upgrade (if you have not installed it yet). See the install procedure below for details.
- CD or DVD Multi drive (e.g. Panasonic SW-9573) installed in your RADAR.
- RADAR Software Install CD. If you obtained the actual CD from iZ Technology or your local dealer, proceed to the CD Install Procedure. If you downloaded the CD image from www.izcorp.com see below for how to make the CD using your PC or Mac computer:

Equipment Needed to Make a RADAR Software Install CD

- PC or Mac computer with CD burner installed.
- CD burning software (do not use the native OSX burning).
- Blank CD-R.
- Zipped CD image file "RADAR24_v3.37_cd.img.zip".
- Software to extract the image from the zip file (e.g. WinZip or StuffIt Expander).



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Procedure to Make a RADAR Software Install CD

1. Unzip (expand) the downloaded R24336_cd.img
2. Burn R24336_cd.img as a "DISK IMAGE"

If your burning software does not recognize the .img file as a disk image file, rename it to R24336_cd.iso and then burn that as a "DISK IMAGE".

If your burning software does not allow you to burn a disk image, use WinImage to extract the five files listed below and burn them to the CD as a data disk (ISO9660 format).

chunkaa
disk_id
GetAppVersion.zip
install.zip
installscriptupdater

3. Confirm that the CD contains the five files listed above

CD Install Procedure

1. If you have previously installed the R24CDNET software loader upgrade, load the Software Install CD in the drive, reboot RADAR, and proceed to step 2.
 - o To activate the CD install for the first time, insert the **R24CDNET floppy** and reboot RADAR. You only need to do this once (unless you later downgrade to version 3.26 or below). For future releases, you will not need to use the floppy drive at all
 - o When RADAR has finished loading the R24CDNET image, you will be prompted to remove the floppy disk, insert the Software Install CD and then press ENTER. The message: "Rebooting RADAR – please wait" will be displayed briefly and then RADAR will automatically reboot.
2. When RADAR has finished rebooting, the iZ logo will appear on the screen with the following message below it:

```
Install RADAR 24  
v3. 37? ENTR/CNCL
```

If you do not want to proceed with the upgrade, press the Cancel key. If you press the Enter key, RADAR will begin reading the software from the CD, and the message will change to:

```
Installing RADAR  
v3. 37 Di sk 1
```



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When RADAR is finished installing from the disk, it will start up in the new version and all projects will automatically be upgraded to version 3.37 format if necessary. This operation may take a few seconds per project.

3. If the message "NEW NIC FOUND" appears, this indicates that a new Network Interface Card was detected (or the card was not previously configured correctly). In any case, power off RADAR and reboot to complete the setup of new drivers.
4. After rebooting, you will be prompted to enter the serial number if it has not been set yet. Type in the number found on RADAR's back panel. If it is a RADAR 24, it will be a 14-digit number starting with "iZR024". If it is a RADAR V, it will be a 12-digit number starting with "iZRV".
5. Check the date and time in the window near the top left corner of the RADAR View screen. If they are incorrect, go to the SET TIME & DATE option in the SYSTEM MENU to update.

Install from PC, Mac or Network via FTP

You must have ALL the following requirements in place for this type of install to be successful.

FTP Install Requirements

- **R24CDNET** software loader upgrade (if you have not installed it yet). See the install procedure below for details.
- FTP program running on your PC or Mac computer.
- Proper FTP-enabled network setup/configuration between your computer and Radar. Refer to the Radar manual for specific network setup instructions if necessary.
- Radar[®] Net Install software zip file "**RADAR24_v3.37.0_net.zip**" (obtained from a Radar[®] software shipping CD or via the download section of our website www.izcorp.com)

FTP Install Procedure

1. If you have previously installed the R24CDNET software loader upgrade, just power up RADAR and proceed to step 2.
 - To activate the FTP install for the first time, insert the **R24CDNET floppy** and reboot RADAR. You only need to do this once (unless you later downgrade to version 3.26 or below). For future releases, you will not need to use the floppy drive at all



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- When RADAR has finished loading the R24CDNET image, the following message will appear on the screen below the iZ logo:

**Remove floppy
Insert CD, ENTER**

Since you are not installing from a CD, you need only remove the floppy. Do not press ENTER! Leave RADAR in this state while you proceed to step 2.

2. From your PC or Mac computer, transfer the Net Install software zip file "**RADAR24_v3.37.0_net.zip**" via FTP to the "/boot/Install" directory on RADAR.
NOTE: You may see InstallCurrent and InstallPrevious directories under the boot directory but you must transfer the software into the **Install** folder.
3. Once the transfer is complete, you need to restart RADAR to install the software.
 - If you installed the R24CDNET floppy in step 1, and the RADAR screen still shows "**Remove floppy, Insert CD, ENTER**", then just press ENTER, and RADAR will automatically restart and begin to install the software.
 - If you just powered up RADAR in step 1, **ensure that you "SHUTDOWN RADAR"** (the last item in the main menu) and then reboot.
4. When RADAR has finished rebooting, the iZ logo will appear on the screen with the following message below it:

**Install RADAR 24
v3.37? ENTR/CNCL**

If you do not want to proceed with the upgrade, press the Cancel key. If you press the Enter key, RADAR will begin transferring the software, and the message will change to:

**Installing RADAR
v3.37 Disk 1**

When RADAR is finished installing, it will start up in the new version and all projects will automatically be upgraded to version 3.37 format if necessary. This operation may take a few seconds per project.

5. If the message "NEW NIC FOUND" appears, this indicates that a new Network Interface Card was detected (or the card was not previously configured correctly). In any case, power off RADAR and reboot to complete the setup of new drivers.



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6. After rebooting, you will be prompted to enter the serial number if it has not been set yet. Type in the number found on RADAR's back panel. If it is a RADAR 24, it will be a 14-digit number starting with "iZR024". If it is a RADAR V, it will be a 12-digit number starting with "iZRV".
7. Check the date and time in the window near the top left corner of the RADAR View screen. If they are incorrect, go to the SET TIME & DATE option in the SYSTEM MENU to update.

Install from Floppy

1. To install the new software from floppy disks, **Insert v3.37 floppy disk #1** and reboot RADAR.
2. When RADAR has finished rebooting, the iZ logo will appear on the screen with the following message below it:

**Install RADAR 24
v3.37? ENTR/CNCL**

If you do not want to proceed with the upgrade, press the Cancel key. If you press the Enter key, RADAR will begin reading the software from the floppy disk, and the message will change to:

**Installing RADAR
v3.37 Disk 1**

When RADAR is finished installing from the disk, it will ask for Disk 2. Continue inserting disks as prompted until the installation is complete. RADAR will then start up in the new version and all projects will automatically be upgraded to version 3.37 format if necessary. This operation may take a few seconds per project.

3. If the message "NEW NIC FOUND" appears, this indicates that a new Network Interface Card was detected (or the card was not previously configured correctly). In any case, power off RADAR and reboot to complete the setup of new drivers.
4. After rebooting, you will be prompted to enter the serial number if it has not been set yet. Type in the number found on RADAR's back panel. If it is a RADAR 24, it will be a 14-digit number starting with "iZR024". If it is a RADAR V, it will be a 12-digit number starting with "iZRV".
5. Check the date and time in the window near the top left corner of the RADAR View screen. If they are incorrect, go to the SET TIME & DATE option in the SYSTEM MENU to update.



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What's New in Version 3.37?

Flatten All / Current / Selected Projects

Now, when you select FLATTEN PROJECTS from the FILE MENU, there is an extra prompt that allows you to choose ALL PROJECTS, CURRENT PROJECT, or SELECTED PROJ in the same way you would choose projects for backup.

File Name Format Options for Export and Flattening

The FILE NAME FORMAT selection in the FILE PREFS menu allows you to choose how exported or flattened wav files are named. To ensure that every wav file has a unique name, the name always contains the track number and either the time stamp or region number (the sequence number of audio chunks on the same track). The track name and/or project name are also included in some formats to help you organize your files. The options are:

- **CUSTOM** E.g. Proj__Name__010001ENTrkName.WAV
This format is derived from the project name, track name and number, and region number. Pressing SHIFT and NAME PROJ on the Session Controller brings up a special menu sequence for naming the project in the CUSTOM format (i.e. 6 characters for SHOW NAME, 6 characters for SHOW NUMBER and two for SHOW LANGUAGE)..
- **PROJ-TRK-REGION** E.g. ProjectName-T01-0001.WAV
This format consists of the project name, track number and region number.
- **TRK-REGION-PROJ** E.g. T01-0001-ProjectName.WAV
The same information is rearranged so that the files are sorted by track instead of project.
- **TRK-REGION-NAME** E.g. T01-0001-TrackName.WAV
This format is similar to the above, but contains the track name rather than the project name.
- **TRK-PROJ-STAMP** E.g. T01-ProjName-01h22m36s12f00.WAV
This format consists of the track number, time stamp, and up to 12 characters of the project name. If the project name is more than 8 characters, the h, m, s, and f delimiters are omitted from the time stamp. If the project name is more than 12 characters, these characters will not be included in the wav file name.
- **TRK-NAME-STAMP** E.g. T01-TrkName-01h22m36s12f00.WAV
This format is similar to the above, but with the track name rather than the project name. This is the default format
- **TRK-REGION (DOS)** E.g. T01-0001.WAV
This simple format containing the track and region number conforms to the DOS 8.3 file naming convention.



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Mute I/O on Stop

When the new "MUTE I/O ON STOP" preference is enabled, audio will not be monitored (even on input-readied tracks) when the transport is stopped.

Defaults for 9-Pin Settings

On new RADAR units, or after restoring FACTORY SETTINGS from the DIAGNOSTICS MENU, the 9-pin settings will default as follows:

- DEVICE ID: "RADAR 24"
- 9-PIN CHASE MODE: "LOCAL"
- TRACK ARM MODE: "9-PIN"
- VARISPEED MODE: "9-PIN"
- SHUTTLE-0 MODE: "STOP"
- TC OUT MODE ON CUE: "NORMAL"
- TC OUT MODE ON PLAY: "NORMAL"



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Bugs Fixed in Version 3.37

Files skipped when importing to high sample rate on RADAR 24

Sometimes files that were selected for import were being skipped without warning when importing to a high sample rate on a RADAR 24 without an Adrenaline[®]Plus card. Now, selecting 24 tracks to import at 96 KHz will give a warning "12 TRACKS ONLY" to indicate that only 12 tracks are available (without an Adrenaline[®]Plus card) at 96 KHz.

Compact track arm grouping with Adrenaline[®]Plus card

Compact track arm grouping now works based on the number of available I/O channels when using dual or quad mode digital I/O on a RADAR V (or a RADAR 24 upgraded with an Adrenaline[®]Plus card)

"REVERSE" key press logged as "UNKNOWN"

REVERSE edit key presses (SHIFT + LOOP) on the Session Controller now show correctly in the debug log.

Channel 1 input disappears from RADAR View after screen saver

Sometimes, when coming out of screen saver mode, the RADAR View screen was no longer showing the input being monitored on channel 1 (although it was still shown on the Session Controller meter bridge).

Record doesn't cancel on RADAR Link slave

The new Cancel Record feature introduced in version 3.36 now works in RADAR Link mode.

Crossfade times in dual/quad mode with Adrenaline[®]Plus card

Crossfade times were being calculated incorrectly when using dual or quad I/O on a RADAR V (or a RADAR 24 upgraded with an Adrenaline[®]Plus card)

Pasting clip at different sample rate

Pasting a 96 KHz clip into a 48 KHz project injected 10 seconds of silence. Pasting a 48K clip into a 96K project omitted the first 10 seconds of the clip.

Wrong project name when browsing backups

Sometimes the name of a backup as seen by the file management browser was incorrect, although the correct name appeared in the restore dialog. While existing backups will continue



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to appear as-is, new backups made in version 3.37 will always show the correct name in both the restore dialog and browser.

Track number in BWAV header should start at 25 for RADAR Link slave

When flattening or exporting from a RADAR Link slave machine, the wav file for track 1 was correctly named starting with "T25", however the description field in the broadcast wave header still showed "T001".

AES sync lost when entering RADAR Link

When entering RADAR Link mode on a machine that was syncing to AES, sync was not properly preserved although the sync light stayed lit.

Import of mono wav files could be faster

The import process was copying audio to allow multi-track wav files to be split to two or more audio tracks even when the wav file contained mono audio that did not need to be split. This process has now been streamlined to allow mono files to be imported faster.

RADAR Link video sync auto punch problem

Sometimes when attempting to enter record on a RADAR Link system syncing to video and using auto punch, the RADAR Link slave would not start recording.

RADAR View clock should default to "on"

On new RADAR units, or after restoring FACTORY SETTINGS from the DIAGNOSTICS MENU the RADAR View clock was not being shown until turned on manually.

RADAR V boots up with some analog outputs not working

RADAR V (or a RADAR 24 upgraded with an Adrenaline[®]Plus card) was not starting up reliably when equipped with Classic (48 KHz) audio cards.

RADAR V boots up with slow clock

Sometimes, RADAR V (or a RADAR 24 upgraded with an Adrenaline[®]Plus card) was starting up with the counter running at about one fifth of the proper speed.

Tracks play out of sync under 9-pin control

On rare occasions, a RADAR unit under 9-pin control would play with tracks a few seconds out of alignment with each other.



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RADAR stuck on "+ SET +" when restoring a project with no audio

When attempting to restore an empty project, the restore would get stuck at "+ SET +" and would have to be cancelled.

One-step export to CD doesn't clear existing image directory

When exporting directly to "B:DVD blank disk", files from a previous failed CD burn were sometimes included on the CD.

CD-R burning limited to 650 MB but new CD's are 700 MB

RADAR now allows up to 700 MB to be burned to a CD-R..

Browser doesn't show available space on "B:DVD blank disk"

When selecting a disk in the browser, pressing the "space" key will now show the available space (700 MB or 4.4 GB) on a blank CD-R or DVD-R.

Can't import BWAV file if time stamp is too large

Broadcast wave files with a time stamp greater than 12 hours at 96 KHz or 6 hours at 192 KHz could not be imported into RADAR.

Can't paste imported BWAV clip to "ORIG TIME"

Sometimes, after importing a broadcast wave file to the clipboard, the ORIG TIME did not appear on the locate list for pasting.

FEET / FRAMES counter drifts at 29.97 ND

When using the FEET / FRAMES display mode with a 29.97 non-drop time code, the counter was inaccurate.

RADAR View date / time window garbled after midnight

At midnight, when the date changed in the window near the top left corner of the RADAR View display, it sometimes appeared slightly garbled.

RADAR Link slave goes out of sync with master

When changing to a project with a different time code rate in RADAR Link, the slave could sometimes lose sync with the master. This would happen if the slave had been set to sync to video before becoming a RADAR Link slave.



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Signal strength not accurately represented on Meter Bridge

The -16 db LED on the Meter Bridge was lighting when the signal strength reached exactly -18 db. Now it will not light until the signal strength is greater than -18 db.

FTP password cannot be changed

The FTP password was always "radar" no matter what was entered in the FTP PASSWORD menu.

Crash when "making portable" with more than 93 projects

Attempting to "make portable" with an audio drive that contained more than 93 projects was causing RADAR to crash.

Crash when restoring from long folder name

Attempting to restore a project that had been backed up to a folder on a SCSI drive was causing RADAR to crash if the name of the folder was more than 24 characters long.

Misplaced audio when importing multiple files to the same track

When importing more than one file to the same track, all but the last file were spotted to the wrong location.

MIDI machine control lost after rebooting RADAR

Now, if MIDI machine control is active when RADAR is shut down, it will be enabled automatically when RADAR is started up again.

Project name doesn't appear on RADAR Link slave

After creating a new project while in RADAR Link mode, the project name appeared on the master but not on the slave machine.

Can't flatten files in RADAR Link if slave project has no audio

Attempting to flatten files while in RADAR Link mode was failing if the project on either machine was empty.



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Menu Structure in Version 3.37

Here is the RADAR menu structure for Version 3.37. Additions since version 3.36 are highlighted in **RED**. Items that have changed (e.g. renamed or moved to a new location) are highlighted in **BLUE**.

SYSTEM MENU

- SYSTEM INFO
 - OPERATING SYSTEM VER
 - SYSTEM DATE
 - SERIAL NUMBER
 - INSTALLED RAM
 - X-CHIP
 - S-CHIP
 - F-CHIP
 - ADATLINK TYPE
- SET TIME & DATE
- SET SERIAL NUM
- UPGRADE SYSTEM
- DOWNGRADE SYSTEM
- TOTRIS (if "Shift-# GAMES")
- PING (if "Shift-# GAMES")

DISK MENU

- MOUNT / UNMOUNT
- SHOW DISK SPACE
- RECLAIM SPACE
- MAKE PORTABLE
- ERASE ALL AUDIO
- INIT DISK
- DISK MODE
- 24 TRKS AT 192K (if Adrenaline®Plus present)
- SEAMLESS 64K
- CLONE RADAR DISK

SYNC MENU

- TC SETTINGS
 - TC FORMAT
 - TC RATE
 - SMPTE LOCK SPEED
 - FREEWHEEL TIME
 - STATIC TC OUT
 - CHASE MODE
 - SHOW SYNC DRIFT
 - SYNC THRESHOLD
 - CHASE ON POWERUP
- SYNC REFERENCE
- RADARLINK
 - ENABLE/DISABLE
 - RADARLINK SOLO
 - RADARLINK ID
- MACHINE CONTROL



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- ENABLE/DISABLE
- SELECT TYPE
- 9-PIN SETTINGS
 - DEVICE ID
 - 9-PIN CHASE MODE
 - TRACK ARM MODE
 - VARI SPEED MODE
 - SHUTTLE-0 MODE
 - TC OUT MODE-CUE
 - TC OUT MODE-PLAY
- MMC SETTINGS
 - DEVICE ID
- SYNC REF OUTPUT
- LOST SYNC IN REC

I/O MENU

- I/O ROUTING
 - INPUT ROUTING
 - OUTPUT ROUTING
 - RESET ROUTING
 - DIG 2-CH ROUTING
 - DIG IN TRACKS
 - 8-BUS MODE
- AUDIO I/O LEVELS
- DIG IN FORMAT
- DIG I/O SDQ
- DIG 2 CH OUTPUT
- AES SETTINGS (if AES card present)
 - SAMPLE RATE IN
 - EMPHASIS IN
 - EMPHASIS OUT
 - MULTI CHNL TYPE
- ADAT SETTINGS (if ADAT card present)
 - ADAT IN CLOCK
 - ADAT IN WIDTH
 - ADAT IN SMPL PT
 - ADAT OUT WIDTH
 - ADAT OUT USERBIT
 - FACTORY DEFAULTS
- TDIF SETTINGS (if TDIF card present)
 - IN SAMPLE POINT
 - SAMPLE RATE IN
 - EMPHASIS IN
 - EMPHASIS OUT
 - CARD TYPE

FILE MENU

- BACKUP
- RESTORE
- EXPORT
- IMPORT
- FLATTEN PROJECTS** (renamed from FLATTEN PROJECT)
- FILE MANAGEMENT
- MAKE DVDCD IMAGE
- BURN DATA CD/DVD



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- BURN AUDIO CD
- FINALIZE CD
- DEL IMG FILE
- MACROS
- MIX AUTOMATION
- FILE PREFS
 - SHOW SIZE
 - EXPORT FORMAT
 - EXPORT SILENCE
 - REFORMAT QUALITY
 - WRITE VERIFY
 - FILE NAME FORMAT**

PROJECT MENU

- GOTO PROJECT
- NEW PROJECT
- COPY PROJECT
- DELETE PROJECT
- NAME PROJECT
- RENUMBER PROJECT
- SAMPLE RATE
- BIT RESOLUTION
- TC FORMAT
- TC RATE
- START TIME
- SYNC OFFSET
- DISPLAY MODE
- MIDI TEMPO MAP
- VARISPEED
- UNDO LEVEL
- WAVE NOISE FLOOR
- NAME TRACK
- RENUMBER LOCATES
- REBUILD WAVES
- I/O ROUTING
 - INPUT ROUTING
 - OUTPUT ROUTING
 - RESET ROUTING
 - DIG 2-CH ROUTING
 - DIG IN TRACKS
 - 8-BUS MODE
- PROJECT NOTES
- PROJECT PREFS
 - NEW PROJ SETTNGS
 - NEW PROJ NUMBER
 - DEF SAMPLE RATE
 - DEF BIT RES
 - DEF TC FORMAT
 - DEF TC RATE
 - DEF START TIME
 - DEF UNDO LEVEL
 - DEF WAVE NS FLR

EDIT MENU



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UNDO EDIT
REDO EDIT
MODIFY EDIT
CUT
COPY
PASTE
MOVE
ERASE
LOOP
SLIDE
INSERT SILENCE
REVERSE
GAIN/FADE
LISTEN
EDIT XFADE TIME
REC XFADE TIME
CROSSFADE TYPE
MUTE TRACKS
RECORD SAFE

PREFERENCES MENU

DEF SMPTE FIELD
SHOW SUBFRAMES
SCROLL PROJ LED
TRACK SOLO MODE
ZOOM SOLO AUDIO
SLIDE TIME UNITS
FFWD & REW RATE
MAX JOG RATE (if Adrenaline[®]Plus present)
PEAK HOLD TIME
CLIP HOLD TIME
SYNC MRK TRIGGER (if "Shift-# CLAP") (for Soundmaster)
SAVE STATE DELAY
SCRN-SAVER MENU
 SAVER DELAY
 IMAGE EFFECTS
AUTO RECLAIM
TRK ARM GROUPING
IGNORE AES FLAGS
UNMOUNT PORTABLE
DAMSEL MODE
RADARVIEW RES
CLOCK MODE
MUTE I/O ON STOP
RECORD PREFS
 1-BUTTON RECORD
 TRACK ARM ACTION
 RECORD MK IN/OUT
 LOW DISK WARNING
 RECORD VERIFY
 RECORD ON CHASE
 PROJECT PER TAKE
FILE PREFS
 SHOW SIZE
 EXPORT FORMAT
 EXPORT SILENCE



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REFORMAT QUALITY
WRITE VERIFY
FILE NAME FORMAT

PROJ PREFS

NEW PROJ SETTNCS
NEW PROJ NUMBER
DEF SAMPLE RATE
DEF BIT RES
DEF TC FORMAT
DEF TC RATE
DEF START TIME
DEF UNDO LEVEL
DEF WAVE NS FLR

NETWORK PREFS

INTERFACE PREFS

HOST NAME
DHCP SERVER
 LOCAL IP ADDRESS (if DHCP disabled)
 SUBNET MASK (if DHCP disabled)
 GATEWAY (if DHCP disabled)
 DNS DOMAIN NAME (if DHCP disabled)
 PRIMARY DNS (if DHCP disabled)
 SECONDARY DNS (if DHCP disabled)

FTP SERVER

FTP LOGIN NAME (if FTP enabled)
FTP PASSWORD (if FTP enabled)

SERVER PREFS

CIFS SERVER IP
SERVER NAME
SERVER SHARE
CLIENT WORKGROUP

NETWORK CONTROL

DIAGNOSTICS MENU

SCAN SCSI BUS
INIT DISK
CHECK DISK
REPAIR DISK
CHECK PROJECT
REALTIME ERRORS
VERIFY DISKS
CONFIGURE DEBUG
SAVE DEBUG
RESTART DESKTOP
FACTORY SETTINGS

HELP MENU

MANUAL
RELEASE NOTES

SHUTDOWN RADAR