RELEASE NOTES

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(ON RADAR USE THE [↓] KEY TO SCROLL DOWN)

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RADAR VERSION 3.43

Welcome to RADAR Version 3.43! Please take a few moments to review the Release Notes to view what's new in Version 3.43.

RADAR PDF VIEWER NAVIGATION KEYSTROKES

Use the `↑` and `↓` arrows on your keyboard to scroll through; use the `CANCEL` key to go to **RADARView™**.

ACTION	KC24	SESSION CONTROLLER
Start Viewer	`H`	`HELP` or `H`
Start Viewer with focus on find Control (for searching)	None	`SHIFT` + `HELP`
Return to RADARView	`REDO` (to highlight iZ logo), then press `▶` **(Play)** or mouse click iZ logo	`CANCEL` or Track Arm `1`
Change Focus (Bookmarks -> Text -> Bookmarks)	`REDO` or `SHIFT`+`REDO`	`MENU/PREV`
Change items in Bookmarks	`↑` or `↓`	`↑` or `↓`
Change Views (Bookmarks ->Page Num -> None)	`ALT`+`B`, `ALT`+`L`, `ALT`+`H`	Track Arm `3`, `4`, and `5`
Expand Bookmark	`REDO`+`➡`	`ENTER`
Collapse Bookmark	`REDO`+`⬅`	`ENTER`
Zoom in viewer	`ALT`+`+`	`HORZ ZOOM IN` or `VERT ZOOM IN` or Track Arm `18`
Zoom out viewer	`ALT`+`−`	`HORZ ZOOM OUT` or `VERT ZOOM OUT` or Track Arm `19`
Forward 10 pages	None	`▶▶` **(Fast Forward)** or Track Arm `8`
Back 10 pages	None	`◀◀` **(Rewind)** or Track Arm `7`

ACTION	KC24	SESSION CONTROLLER
Scroll page forward	⬇	⬇
Scroll page backward	⬆	⬆
Next Page	MARK OUT	▶ **(Play)** or Track Arm 10
Previous Page	MARK IN	■ **(Stop)** or Track Arm 11
Last Page	None	SHIFT + ⏩ **(Fast Forward)** or Track Arm 9
First Page	None	SHIFT + ⏪ **(Rewind)** or Track Arm 6
Back in page History	ALT + ◀	Track Arm 12
Forward in Page History	ALT + ▶	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 or Track Arm 20
Focus on Goto Page Control	REDO	Numeric Keys or Track Arm 22
Find – Search	ENTER	ENTER or Track Arm 21
Find – Search Again	ALT + F	ENTER or Track Arm 21
About Dialog	None	Track Arm 23
Goto Page	ALT + G	ENTER
Dismiss dialogs or popup messages	▶ **(Play)** (with focus)	CANCEL

IMPORTANT NOTICES ────────────────────────────────────

DON'T USE RADAR BWAV DRIVES WITH OLD RADAR SOFTWARE

Audio drives formatted as **RADAR BWAV** are not compatible with RADAR I, RADAR II, or RADAR 24 units running software versions below 3.35.

> **You will lose audio** if you mount a RADAR BWAV drive using an earlier version of RADAR software.

DON'T WRITE TO RADAR BWAV DRIVES USING NON-RADAR SOFTWARE

You **may** mount/unmount RADAR BWAV audio drives in systems running MacOS, Unix, Windows, Linux, etc, to browse directories and copy files or folders *from* the RADAR BWAV drive *to* the other system and then subsequently use the RADAR BWAV drive in RADAR without risk of RADAR recorded data loss or corruption. However, if you do any of the following to RADAR BWAV disks in another system, **you risk loss or corruption of RADAR recorded data:**

> - Do not Mount/Unmount RADAR BWAV disks that had been clones in a RADAR recorded dual disk session and subsequently attempt to mount them as a cloned pair in RADAR. These disks, having been mounted in another system, are no longer clones. Attempted subsequent Dual Disk use in RADAR of such disks may cause data loss or corruption.
> - Do not write files into any directory on a RADAR BWAV drive while mounted on another system.
> - Do not delete, rename, or modify any existing files or folders on a RADAR BWAV disk or modify the disk in any way using another system. These operations may only be done in RADAR.

SOME BACKUPS CANNOT BE RESTORED WITH OLD RADAR SOFTWARE

Backups of audio drives formatted as RADAR BWAV can only be *restored* on **pre-3.40** software if you do a **DSET(LEGACY)** type of backup (although the audio files from BWAV backups can be *imported* using version 3.30 or later). Backups of audio drives formatted as **!RADAR!** (32, 64 or 128K clusters) always use the legacy format and can be restored using any version of RADAR software.

CANNOT RADARLINK TO UNITS RUNNING OLD RADAR SOFTWARE

RADAR units running version 3.43 software can only be RADARLinked with RADAR units running software version 3.40 or later. In addition, RADAR units equipped with an Adrenaline Plus card (e.g. RADAR V) can only be RADARLinked with other units that have an Adrenaline Plus card installed.

HARDWARE REQUIREMENTS FOR VERSION 3.43

Before you can upgrade to version 3.40 or later, your RADAR unit must have up-to-date hardware as outlined below. If you attempt to do the upgrade without sufficient hardware, you will receive the message:

**V3.40 REQUIRES
HARDWARE UPDATES**

When you press ENTER you will receive messages indicating what hardware is required, and a warning that the 3.43 software was not installed. For example:

**MIN CPU: 800 MHZ
MIN RAM: 384 MB
MIN ARCHIVE:70GB
SW NOT INSTALLED**

If you receive any of these messages during the upgrade, press ENTER, and RADAR will start up using your existing version of software.

RADAR 24 PROCESSOR UPGRADE ALERT

iZ Technology has done a final lifetime purchase of **1 GHz Pentium III** processors for RADAR 24. A minimum 800 MHz processor is required for Version 3.30 software and up, but further upgrade to these Pentium III processors is highly recommended to ensure compatibility with future software releases

Version 3.43 requires a **processor rated at a minimum of 800 MHz**. 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 something similar to:

INTEL® CELERON™ CPU at 667MHz

If the processor speed is below 800 MHz (as in the example above), you need to upgrade before installing the 3.43 software. If you see something similar to either:

INTEL® CELERON™ CPU at 800MHz or **PENTIUM III CPU at 800EB MHz**

then you have an 800 MHz processor. While this is adequate for Version 3.43, we recommend upgrading to the 1 GHz (1000 MHz) Pentium III processor now, while it is still available.

If you see:

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

then you have a 1 GHz Celeron processor. Again, this is adequate for Version 3.43, but we recommend upgrading to the 1 GHz Pentium III processor as it out-performs the Celeron.

If you are currently running 3.38 or later software, you can also determine the processor speed by going to the **CPU SPEED** entry in the **SYSTEM INFO** menu. Note that the speed measured here may differ slightly from the rated speed.

RADAR 24 SYSTEM DRIVE UPGRADE ALERT

> To run version 3.40 or later, your RADAR unit must have a system drive with a minimum 70 GB Archive partition.

If your RADAR was built prior to March 21, 2002, you may need to upgrade your system drive before installing version 3.43. To check your Archive partition size, go to the **SYSTEM INFO** menu, and press the ⬇ until you see **PRIMARY MASTER: ARCHIVE**, or go to the browser (**FILE MANAGEMENT** dialog or SHIFT + B) and look for the **D:ARCHIVE** drive.
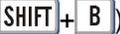
MEMORY

Version 3.43 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 INFO**, 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 3.43 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, 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.

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 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 VERSION 3.43 SOFTWARE ON YOUR RADAR

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, audio drive, and/or system drive (see above).

After upgrading your RADAR, you can mount audio drives from old versions of RADAR software, and they will automatically be upgraded to 3.43. This will work for any RADAR24 or RADARV drive, and also with drives from RADARII Version 2.20 or later. If a drive is to be loaded from a RADARII 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 an earlier version of software after installing version 3.43, you must select the **INSTALL PREV VER** option in the **DIAGNOSTICS MENU**. This will give you a list of all software versions that you have previously installed, or you can select **OTHER** to install from floppy, CD, etc.

Audio drives formatted as **AUDIO:RADAR BWAV** are not compatible with RADAR units running software versions below 3.35. **You will lose audio** if you mount a RADAR BWAV drive in an earlier version of software. You can still initialize a drive as **AUDIO:!RADAR!** to record in the traditional RADAR format and **MAKE PORTABLE** when un-mounting it. Then it can be used in any software version.

UPGRADING FROM VERSION 3.40 OR LATER

Since version 3.43 is a free upgrade from version 3.40, you can download the zip file **RADAR_v3.43.0.zip** directly from the iZ web site. This zip file can be copied to any media (e.g. CD-R, DVD-R, D:Archive or a network drive) and then installed as follows:

1 Select **UPDATE SOFTWARE** from the **SYSTEM MENU**, then choose from the following options:

WEB: If your RADAR is connected to the internet, and you already have version 3.40 or later installed, you can download the 3.43 software directly from the iZ web site.

N: If you are installing the 3.43 software upgrade from a network drive, use the ⊞, ⊟, ⬆ and ⬇ keys to locate the zip file **RADAR_v3.43.0.zip**.Then press ⏎.

D: If you transferred the 3.43 software upgrade via FTP from a PC or Mac computer to RADAR's D:Archive drive, use the ⊞, ⊟, ⬆ and ⬇ keys to locate the zip file **RADAR_v3.43.0.zip**. Then press ⏎.

B: If you have an iZ 3.43 software CD, or you burned the zip file **RADAR_v3.43.0.zip** to a CD-R or DVD-R and your RADAR unit is equipped with a DVD multi-drive, insert the disk in the drive and press ⏎.

2 Answer **YES** to the **INSTALL VER 3.43** prompt. RADAR will automatically unmount your audio drive in preparation for the upgrade. If the drive was formatted as RADAR BWAV, the message: **DON'T USE A BWAV DISK PRE-3.35** will appear. This does not mean that anything is wrong; it is a warning not to take this disk and load it in a RADAR unit running a software version older than 3.35. If you load a BWAV disk in a RADAR unit running an earlier version of software, the disk can become corrupted.

3 Power off RADAR and reboot.

4   When RADAR has finished rebooting, the iZ logo will appear on the screen with a message below it. If the message says: **V3.40 REQUIRES HARDWARE UPDATES**, refer to the *HARDWARE REQUIREMENTS* section of these release notes. If your RADAR unit meets the requirements, the message will be: **INSTALL RADAR 24 V3.43? ENTR/CNCL**

If you do not want to proceed with the upgrade, press CANCEL. If you press ENTER, RADAR will begin installing the software, and the message will change to: **INSTALLING RADAR V3.43 DISK 1**

If you see the message **REMOVE CD/FLOPPY, ENTER TO REBOOT**, then press ENTER, and RADAR will automatically restart. When RADAR is finished rebooting, it will start up in the new version.

5   Check the date and time in the window near the top left corner of the **RADARView™** screen. If they are incorrect, go to the **SET TIME & DATE** option in the **SYSTEM MENU** to update.

UPGRADING FROM VERSION 3.38 OR 3.39

1   Select **UPDATE SOFTWARE** from the **SYSTEM MENU**, then choose from the following options:

B: If you have a 3.43 software CD, and your RADAR unit is equipped with a DVD multi-drive, insert the CD in the drive and press ENTER.

FTP: If you are transferring the 3.43 software upgrade from your PC or Mac computer, transfer the zip file **RADAR24_v3.43.0_net.zip** via FTP to the **/boot/Install** directory on RADAR. Press ENTER when the transfer is complete.

> You may see **INSTALLCURRENT** and **INSTALLPREVIOUS** directories under the boot directory but you must transfer the software into the **INSTALL** folder.

2   Answer **YES** to the **INSTALL VER 3.43** prompt. RADAR will automatically unmount your audio drive in preparation for the upgrade. If the drive was formatted as RADAR BWAV, the message: **DON'T USE A BWAV DISK PRE-335** will appear. This does not mean that anything is wrong; it is a warning not to take this disk and load it in a RADAR unit running a software version older than 3.35. If you load a BWAV disk in a RADAR unit running an earlier version of software, the disk can become corrupted.

3   Power off RADAR and reboot.

4   When RADAR has finished rebooting, the iZ logo will appear on the screen with a message below it. If the message says: **V3.40 REQUIRES HARDWARE UPDATES**, refer to the *HARDWARE REQUIREMENTS* section of these release notes. If your RADAR unit meets the requirements, the message will be: **INSTALL RADAR 24 V3.43? ENTR/CNCL**

If you do not want to proceed with the upgrade, press CANCEL. If you press ENTER, RADAR will begin installing the software, and the message will change to: **INSTALLING RADAR V3.43 DISK 1**

If you see the message **REMOVE CD/FLOPPY, ENTER TO REBOOT**, then press ENTER, and RADAR will automatically restart. When RADAR is finished rebooting, it will start up in the new version.

5   Check the date and time in the window near the top left corner of the **RADARView™** screen. If they are incorrect, go to the **SET TIME & DATE** option in the **SYSTEM MENU** to update.

UPGRADING FROM VERSION 3.37 OR EARLIER

RADAR install software can be transferred via CD, 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 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:

CD INSTALL PROCEDURE

1 If you have previously installed the R24CDNET software loader upgrade, insert the **Software Install CD** in the drive, reboot RADAR, and proceed to step 2.

- 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

- 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 a message below it. If the message says: **V3.40 REQUIRES HARDWARE UPDATES**, refer to the *HARDWARE REQUIREMENTS* section of these release notes. If your RADAR unit meets the requirements, the message will be: **INSTALL RADAR 24 V3.43? ENTR/CNCL**

If you do not want to proceed with the upgrade, press CANCEL. If you press ENTER, RADAR will begin installing the software, and the message will change to: **INSTALLING RADAR V3.43 DISK 1**

If you see the message **REMOVE CD/FLOPPY, ENTER TO REBOOT**, then press ENTER, and RADAR will automatically restart.

When RADAR is finished rebooting, it will start up in the new version and all projects will automatically be upgraded to version 3.43 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 the number found on RADAR's back panel. If it is a RADAR24, it will be a 14-digit number starting with **iZR024**. If it is a RADARV, 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 **RADARView™** 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_v3.43.0_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.

- When RADAR has finished loading the **R24CDNET image**, the message **REMOVE FLOPPY, INSERT CD, ENTER** will appear on the screen below the iZ logo:

    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_v3.43.0_net.zip** via FTP to the **/boot/Install** directory on RADAR.

> 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 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 a message below it. If the message says: **V3.40 REQUIRES HARDWARE UPDATES**, refer to the *HARDWARE REQUIREMENTS* section of these release notes. If your RADAR unit meets the requirements, the message will be: **INSTALL RADAR 24 V3.43? ENTR/CNCL**

If you do not want to proceed with the upgrade, press CANCEL. If you press ENTER, RADAR will begin installing the software, and the message will change to: **INSTALLING RADAR V3.43 DISK 1**

If you see the message **REMOVE CD/FLOPPY, ENTER TO REBOOT**, then press ENTER, and RADAR will automatically restart.

When RADAR is finished rebooting, it will start up in the new version and all projects will automatically be upgraded to version 3.43 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.

6   After rebooting, you will be prompted to enter the serial number if it has not been set yet. Type 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 **RADARView™** screen. If they are incorrect, go to the **SET TIME & DATE** option in the **SYSTEM MENU** to update.

WHAT'S NEW IN VERSION 3.43?

TRACK ARM STATUS, ZOOM LEVEL REMEMBERED PER PROJECT

New preferences have been added for **TRACK ARM RECALL** and **ZOOMLEVEL RECALL**. When enabled, switching to a project will restore the arm-readied tracks and/or the vertical and horizontal zoom levels to the state they were when the project was last accessed.

SEPARATE PREFERENCES FOR MONO AND STEREO EXPORT FORMAT

Now, when you select **EXPORT FORMAT** in the **FILE PREFS** menu, you can set both a **MONO FORMAT** and a **STEREO FORMAT** preference. The options for the mono format are **WAV**, **BWAV**, and **ASK**. For stereo exports, there is an additional **CDA** option to create a 16 bit / 44.1 kHz track for burning to an audio CD.

ENHANCED FILL SILENCE OPTIONS FOR EXPORT AND BWAV BACKUP

A new **FRONT FILL ONLY** option has been added. This allows you to align all tracks to the same start time without having to fill gaps. There is also a **FRONT FILL+GAPS** option that does both.

BUGS FIXED IN VERSION 3.43 —————————————————————

PROBLEM/BUG	COMMENTS
Backup fails via FTP	Sometimes, at the end of a backup to an FTP server, RADAR would report "CAN'T BACKUP FILE: DSET.TXT" followed by "BACKUP FAILED".
"Salvage Partial Proj" prompt doesn't always appear when restoring damaged backups	If multiple projects being restored had errors that caused files to be skipped, only the last project was getting a "Salvage Partial Prog" prompt. Each project that has errors will now get that prompt, allowing it to be salvaged.
DVD stuck in +LOADING+ status	Attempting to browse a newly inserted CD or DVD before the drive had started loading it caused RADAR to get stuck in the +LOADING+ status.
FTP username limited to 16 characters	When logging in to an FTP server, RADAR now allows you to enter up to 40 characters for the **USER NAME**
Drive serial number limited to 16 characters	The **SER#** line in the **SCAN SCSI BUS** dialog will now show the full serial number of an audio drive (up to 40 characters). The full serial number will also be used when creating disk info files. Blanks at the beginning of the serial number will be stripped off.
"Disk Info File" folder renamed to "Disk Info Files"	The "System Files" folder on the Archive drive contains a "Disk Info File" folder. This folder has been renamed to "Disk Info Files".
Software downgrade causes problems with P4 motherboards	The P4 motherboards installed in newer RADAR units require software version 3.40 or later. Therefore, an attempt to downgrade one of these units to an earlier version of software will now be blocked with an error message: "NO P4 CPU SUPPORT PRE-3.40".
RADAR 24 equipped with regular Adrenaline card not mapping 96 kHz and 192 kHz inputs correctly	When using high sample rates on a RADAR unit not equipped with an Adrenaline Plus card, the inputs were not mapping to the correct tracks.
RADARLink track arming of tracks 49 and above doesn't work at 96 kHz/192 kHz with Adrenaline Plus	When using high sample rates on a RADAR unit equipped with an Adrenaline Plus card while in RADARLink, tracks 49 and above were not able to be armed from the Session Controller.

PROBLEM/BUG	COMMENTS
RADAR Network Control selects MADI in place of TDIF	When attempting to select TDIF as the digital input format via RADAR Network Control, the format was actually being set to MADI
Forced reboot if new Network Interface Card found	Now the message **NEW NIC FOUND** will be followed by an option to reboot RADAR to activate networking, or to continue working without networking.
Shutdown with no disks mounted prompts to "MAKE PORTABLE?"	When shutting down a RADAR unit with no disks mounted, the prompt to **MAKE PORTABLE?** will no longer appear.
Imported Open TL files overwrite each other	When importing an Open TL project, the files were sometimes overwriting each other on the same track, instead of importing to separate tracks
Open TL import fails if track length greater than 4 hours	When importing an Open TL project, RADAR now reads the first 2 GB of audio on each track.
Some HFS+ drives for Open TL can't be read	When importing an Open TL project, some HFS+ drives were not being recognized by RADAR.

MENU STRUCTURE IN VERSION 3.43

Here is the RADAR menu structure for Version 3.43. Additions since version 3.42 are highlighted in **RED**.

SYSTEM MENU

        SYSTEM INFO

                RADAR SOFTWARE VERSION
                SERIAL NUMBER
                RECORDING ENGINE
                SYNC ENGINE
                INSTALLED RAM
                CPU TYPE
                CPU SPEED
                IP ADDRESS
                MAC ADDRESS
                ETHERNET TYPE
                ANALOG I/O
                DIGITAL I/O 1
                DIGITAL I/O 2
                DIGITAL I/O 3
                IDE 0 MASTER
                IDE 1 MASTER
                SCSI ID 0

        SET TIME & DATE
        SET SERIAL NUM
        UPDATE SOFTWARE
        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
        DISK NOTES
        ENABLE DISK ID

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

SYNC MENU (cont'd)

  RADARLINK
     ENABLE/DISABLE
     RADARLINK SOLO
     RADARLINK ID
  MACHINE CONTROL
     ENABLE/DISABLE
     SELECT TYPE
     9-PIN SETTINGS
       DEVICE ID
       9-PIN CHASE MODE
       TRACK ARM MODE
       VARISPEED 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
     DIGITAL INPUTS
     8-BUS MODE
  ANALOG I/O LEVEL
  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

  MADI SETTINGS   (if MADI card present)
     SAMPLE RATE IN
     EMPHASIS IN
     EMPHASIS OUT
     LEGACY MODE
     INTERLACE (48CH)
     COAX/OPTICAL IN
     INSTALL FIRMWARE

FILE MENU

      BACKUP
      RESTORE
      EXPORT
      IMPORT
      FLATTEN PROJECTS
      FILE MANAGEMENT
      MAKE DVDCD IMAGE
      BURN DATA CD/DVD
      BURN AUDIO CD
      FINALIZE CD
      DEL IMG FILE
      MACROS
      MIX AUTOMATION
      FILE PREFS
                SHOW SIZE
                IMPRT PROJ START
                EXPORT FORMAT
                    MONO FORMAT
                    STEREO FORMAT
                FILL SILENCE
                REFORMAT QUALITY
                WRITE VERIFY
                FILE NAME FORMAT
                    PRESET
                        TRK-NAME-STAMP
                        TRK-PROJ-STAMP
                        TRK-REGION-NAME
                        TRK-REGION-PROJ
                        PROJ-TRK-REGION
                        TRK-REGION (DOS)
                    CUSTOM
                        SELECT TEMPLATE
                        MAKE TEMPLATE
                        IMPORT TEMPLATE
                        EXPORT TEMPLATE
                        EDIT TEMPLATE
                        DELETE TEMPLATE
                DVD BURN MODE
                DVD BURN SPEED

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
      STOP AT LOCATE

PROJECT MENU (cont'd)
>   WAVE NOISE FLOOR
>   NAME TRACK
>   RENUMBER LOCATES
>   REBUILD WAVES
>
>   I/O ROUTING
>   INPUT ROUTING
>   OUTPUT ROUTING
>   RESET ROUTING
>   DIG 2-CH ROUTING
>   DIGITAL INPUTS
>   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
>   TEMPLATE MENU
>   MAKE TEMPLATE
>   IMPORT TEMPLATE
>   EXPORT TEMPLATE
>   DELETE TEMPLATE

EDIT MENU
>   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)

PREFERENCES MENU (cont'd)

    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
    RADARVIEW RES
    CLOCK MODE
    MUTE I/O ON STOP
    ARROW KEY GOTO
    TRACK ARM RECALL
    ZOOMLEVEL RECALL
    ASSIGN FT-SWITCH
    ASSIGN MMC LOC

    RECORD PREFS
        1-BUTTON RECORD
        TRACK ARM ACTION
        RECORD MK IN/OUT
        LOW DISK WARNING
        RECORD VERIFY
        RECORD ON CHASE
        PROJECT PER TAKE
        RECORD RECOVERY

    FILE PREFS
        SHOW SIZE
        IMPRT PROJ START
        EXPORT FORMAT
            MONO FORMAT
            STEREO FORMAT
        FILL SILENCE
        REFORMAT QUALITY
        WRITE VERIFY
        FILE NAME FORMAT
            PRESET
                TRK-NAME-STAMP
                TRK-PROJ-STAMP
                TRK-REGION-NAME
                TRK-REGION-PROJ
                PROJ-TRK-REGION
                TRK-REGION (DOS)
            CUSTOM
                SELECT TEMPLATE
                MAKE TEMPLATE
                IMPORT TEMPLATE
                EXPORT TEMPLATE
                EDIT TEMPLATE
                DELETE TEMPLATE
        DVD BURN MODE
        DVD BURN SPEED

    PROJECT PREFS
        NEW PROJ SETTNGS
        NEW PROJ NUMBER
        DEF SAMPLE RATE

PREFERENCES MENU (cont'd)
>> 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)
>>> PRIMARY DNS   (if DHCP disabled)
>>> SECONDARY DNS   (if DHCP disabled)
>>> SMTP HOST
>>> FTP SERVER
>>> FTP LOGIN NAME   (if FTP enabled)
>>> FTP PASSWORD   (if FTP enabled)
>> SERVER PREFS
>>> NETWORK PROTOCOL
>>> SERVER IP ADDR
>>> SERVER NAME
>>> SERVER SHARE   (if Network Protocol is "CIFS")
>>> CLIENT WORKGROUP   (if Network Protocol is "CIFS")
>> EMAIL PREFS
>>> COMPANY NAME
>>> LOCATION
>>> REPLY EMAIL
>> NETWORK CONTROL

> REMOTE PREFS
>> REMOTE PORT

DIAGNOSTICS MENU
> SCAN SCSI BUS
> INIT DISK
> CHECK DISK
> REPAIR DISK
> CHECK PROJECT
> SET STARTUP PROJ
> REALTIME ERRORS
> VERIFY DISKS
> SHOW AUDIO LEVEL
> PING IP ADDRESS
> CONFIGURE DEBUG
> SAVE DEBUG
> EMAIL DEBUG
> RESTART DESKTOP
> FACTORY SETTINGS
> INSTALL PREV VER

HELP MENU
> RELEASE NOTES
> MANUAL

SHUTDOWN RADAR