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NOTE THE RADAR 24 PROCESSOR UPGRADE ALERT IN THE HARDWARE REQUIREMENTS SECTION  
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**GOVERNING LAW:** This license will be governed by the laws of Canada.

Welcome to RADAR® Version 3.39! Please take a few moments to review the Release Notes to see what's new in Version 3.39. Use the [?] and [?] arrows on your keyboard to scroll through; use the [Cancel] key to go to RADARView.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## RADAR<sup>®</sup> PDF viewer navigation keystrokes

\*( ) Bracketed numbers indicate track arm keys

Action	KC24	Session Controller
Start Viewer	H	HELP or H
Return to RADARView	REDO (to highlight iZ Icon) + PLAY or mouse click iZ Icon	Cancel ( 1 )
Select different PDF file (in Viewer)	None (select from RADARView)	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



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## Hardware Requirements for Version 3.39

### **RADAR<sup>®</sup> 24 Processor Upgrade Alert**

iZ Technology has done a final lifetime purchase of **1 GHz Pentium III** processors for RADAR<sup>®</sup> 24. A minimum 800MHz 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 3.39 requires a **processor rated at a minimum of 800 MHz**. You can determine your RADAR<sup>®</sup>'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<sup>®</sup> CELERON<sup>™</sup> CPU at 667MHz"**

If the processor speed is below 800 MHz (as in the example above), you need to upgrade before installing the 3.39 software. If you see something similar to either:

**"INTEL<sup>®</sup> CELERON<sup>™</sup> CPU at 800MHz" or "PENTIUM III CPU at 800EB MHz"**

then you have an 800 MHz processor. While this is adequate for Version 3.39, 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<sup>™</sup> 1 GHz (100x10.0)"**

then you have a 1 GHz Celeron processor. Again, this is adequate for Version 3.39, but we recommend upgrading to the 1 GHz Pentium III processor as it out-performs the Celeron.

**Note:** If you are currently running 3.38 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.

## **Memory**

Version 3.39 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<sup>®</sup>'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,



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

you need to add memory before installing the 3.39 software. **Note that the maximum amount of memory that may be installed in RADAR<sup>®</sup> 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<sup>®</sup> was built prior to February 25, 2003, you may need to upgrade your cabling before burning disks.

## Requirements for the Adrenaline<sup>®</sup> Plus Card

### Memory

The Adrenaline<sup>®</sup> 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<sup>®</sup>.**

### Audio Drive

If you have an Adrenaline<sup>®</sup> 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<sup>®</sup> Plus card. To convert existing high sample rate projects to this mode, export them (before installing the Adrenaline<sup>®</sup> 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 3.39 software on your RADAR<sup>®</sup>

**Note:** RADAR software is no longer released on floppy disks, but can be installed via the web, FTP, or CD. See below for details.

iZ Technology Corporation, #240-109 Braid Street, New Westminster, B.C. Canada, V3L 5H4  
Tel (604) 395-7878 Fax (604) 395-7888 Support 1-800-776-1356 [www.izcorp.com](http://www.izcorp.com)



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

**Warning:** 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<sup>®</sup> 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<sup>®</sup> Plus mode after installation. You may also need to upgrade your memory and/or audio drive (see above).

After upgrading your RADAR<sup>®</sup> you can mount audio drives from old versions of RADAR<sup>®</sup> software, and they will automatically be upgraded to 3.39. This will work for any RADAR<sup>®</sup>24 or RADAR<sup>®</sup>V drive, and also with drives from RADAR<sup>®</sup>II Version 2.20 or later. If a drive is to be loaded from a RADAR<sup>®</sup>II unit running older software you must first choose [**UPGRADE SYSTEM**] from the **SYSTEM MENU** on the RADAR<sup>®</sup> II to prepare the drive.

If you decide to revert to an earlier version of software, after installing version 3.39, 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.

**IMPORTANT NOTE:** Audio drives formatted as “**AUDIO:RADAR BWAV**” are not compatible with RADAR<sup>®</sup> units running software versions below 3.35. You will lose audio if you mount a RADAR<sup>®</sup> 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 unmounting it. Then it can be used in any software version.

If you are currently running Version 3.38, follow the instructions below. If you are currently running older software, go to the section titled “Updating from Version 3.37 or Earlier”.

## Upgrading from Version 3.38

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

- **WEB:** If your RADAR is connected to the internet, you can download the 3.39 software directly from the iZ web site.
- **FTP:** From your PC or Mac computer, transfer the Net Install software zip file “**RADAR24\_v3.39.0\_net.zip**” via FTP to the “**/boot/Install**” directory on RADAR<sup>®</sup>.

**Note:** You may see InstallCurrent and InstallPrevious directories under the boot directory but you must transfer the software into the **Install** folder.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

- **B:DVD** If you have a 3.39 software CD, insert it in your DVD drive. If you need to create a CD, see the section titled “**Procedure to Make a RADAR<sup>®</sup> Software Install CD**”
  - For the other options, contact iZ Technical Support
2. Press **[Enter]**, then answer **[YES]** to the Install Ver 3.39 prompt. RADAR<sup>®</sup> will automatically unmount your audio drive in preparation for the upgrade. If the drive was formatted as RADAR BWAV, the message: Can't use 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<sup>®</sup> and reboot.
  4. When RADAR<sup>®</sup> has finished rebooting, the iZ logo will appear on the screen with the following message below it:

Install RADAR 24  
v3.39? ENTR/CNCL

If you do not want to proceed with the upgrade, press **[Cancel]**. If you press **[Enter]**, RADAR<sup>®</sup> will begin installing the software, and the message will change to:

Installing RADAR  
v3.39 Disk 1

When RADAR<sup>®</sup> is finished installing, 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

If you are installing the downloadable version of the 3.39 software from the [www.izcorp.com](http://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 3.39 software, you can install if you currently have **Version 3.20 or later** installed. If are currently running a software version prior to 3.20, contact iZ Technical Support for installation instructions.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

RADAR<sup>®</sup> 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<sup>®</sup> 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](http://www.izcorp.com) see below for how to make the CD using your PC or Mac computer:

### Equipment Needed to Make a RADAR<sup>®</sup> Software Install CD

- PC or Mac computer with CD burner installed.
- CD burning software (do not use the native OSX or XP burning).
- Blank CD-R.
- Zipped CD image file "RADAR24\_v3.39\_cd.img.zip".
- Software to extract the image from the zip file (e.g. WinZip or StuffIt Expander).

### Procedure to Make a RADAR<sup>®</sup> Software Install CD

1. Unzip (expand) the downloaded R24339\_cd.img
2. Burn R24339\_cd.img as a "**DISK IMAGE**"

If your burning software does not recognize the .img file as a disk image file, rename it to R24339\_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).



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

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<sup>®</sup>, and proceed to step 2.
  - o To activate the CD install for the first time, insert the **R24CDNET floppy** and reboot RADAR<sup>®</sup>. 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<sup>®</sup> 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<sup>®</sup> will automatically reboot.
2. When RADAR<sup>®</sup> has finished rebooting, the iZ logo will appear on the screen with the following message below it:

```
Install RADAR 24  
v3. 39? ENTR/CNCL
```

If you do not want to proceed with the upgrade, press **[Cancel]**. If you press **[Enter]**, RADAR<sup>®</sup> will begin reading the software from the CD, and the message will change to:

```
Installing RADAR  
v3. 39 Disk 1
```

When RADAR<sup>®</sup> is finished installing from the disk, it will start up in the new version and all projects will automatically be upgraded to version 3.39 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<sup>®</sup> 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<sup>®</sup>'s back panel. If it is a RADAR<sup>®</sup> 24, it will be a 14-digit number starting with "iZR024". If it is a RADAR<sup>®</sup> V, it will be a 12-digit number starting with "iZRV".





# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

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<sup>®</sup>. Refer to the RADAR<sup>®</sup> manual for specific network setup instructions if necessary.
- RADAR Net Install software zip file "**RADAR24\_v3.39.0\_net.zip**" (obtained from a RADAR<sup>®</sup> software shipping CD or via the download section of our website [www.izcorp.com](http://www.izcorp.com))

### FTP Install Procedure

1. If you have previously installed the R24CDNET software loader upgrade, just power up RADAR<sup>®</sup> and proceed to step 2.
  - To activate the FTP install for the first time, insert the **R24CDNET floppy** and reboot RADAR<sup>®</sup>. 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<sup>®</sup> 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<sup>®</sup> in this state while you proceed to step 2.

2. From your PC or Mac computer, transfer the Net Install software zip file "**RADAR24\_v3.39.0\_net.zip**" via FTP to the **"/boot/Install"** directory on RADAR<sup>®</sup>.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

**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<sup>®</sup> to install the software.
  - If you installed the R24CDNET floppy in step 1, and the RADAR<sup>®</sup> screen still shows “**Remove floppy, Insert CD, ENTER**”, then press **[ENTER]**, and RADAR<sup>®</sup> will automatically restart and begin to install the software.
  - If you just powered up RADAR<sup>®</sup> in step 1, ensure that you “**SHUTDOWN RADAR**” (the last item in the main menu) and then reboot.
4. When RADAR<sup>®</sup> has finished rebooting, the iZ logo will appear on the screen with the following message below it:

Install RADAR 24  
v3. 39? ENTR/CNCL

If you do not want to proceed with the upgrade, press **[Cancel]**. If you press **[Enter]**, RADAR<sup>®</sup> will begin transferring the software, and the message will change to:

Installing RADAR  
v3. 39 Disk 1

When RADAR<sup>®</sup> is finished installing, it will start up in the new version and all projects will automatically be upgraded to version 3.39 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<sup>®</sup> 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 in the number found on RADAR<sup>®</sup>'s back panel. If it is a RADAR<sup>®</sup> 24, it will be a 14-digit number starting with “iZR024”. If it is a RADAR<sup>®</sup> 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.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## **Bugs Fixed in Version 3.39**

### **Audio ahead by one cluster after 9-pin locate**

After receiving a 9-pin machine control command to cue to certain locations, RADAR<sup>®</sup> would start playing audio about one second ahead of the locate point.

### **Auto-upgrade from version 3.26 to 3.3x can corrupt playlists**

When upgrading from RADAR<sup>®</sup> software version 3.26 to any version from 3.30 to 3.38 without first doing an [UPGRADE SYSTEM], there was a possibility for projects to have playlist errors. The upgrade to version 3.39 will always work regardless of whether you first choose [UPGRADE SYSTEM].

### **RADAR<sup>®</sup> stuck on “WORKING” after completing a backup or restore**

Sometimes, after completing a backup or restore, the LCD on the Session Controller would continue to display the “WORKING” message indefinitely, and it was necessary to reboot RADAR.

### **Backup tries to read “.” file**

After taking the audio drive from RADAR<sup>®</sup>, loading it on a Mac computer, and then returning it, RADAR<sup>®</sup> was sometimes not able to perform backups. The error “CAN’T BACKUP ‘.’” was appearing.

### **“CAN’T USE BWAV DISK PRE-3.35” warning message is confusing**

Now, when you unmount an audio drive, the LCD on the Session Controller will say “DON’T USE A BWAV DISK.PRE-3.35”. This does not mean that anything is wrong; it is a warning not to take this disk and load it in a RADAR<sup>®</sup> unit running a software version older than 3.35. If you load a BWAV disk in a RADAR<sup>®</sup> unit running an earlier version of software, the disk can become corrupted.

### **RADAR<sup>®</sup> crashes when reformatting audio on CD Audio export**

When exporting as CD Audio using certain [MARK IN/OUT] time ranges, RADAR<sup>®</sup> would crash while reformatting audio.

### **RADAR<sup>®</sup> crashes after reformatting on export and then import**

After exporting tracks from a 48 KHz project as CD Audio (so it gets reformatted), and then reformatting again on import, RADAR<sup>®</sup> would crash.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## **RADAR<sup>®</sup> crashes when importing small files to new project**

Sometimes when importing small files (containing less than one second of audio) to a new project, RADAR<sup>®</sup> would crash.

## **Import prompt shows wrong size when reformatting**

When selecting audio for import and reformatting to a different sample rate or bit resolution, the prompt indicating the number of megabytes required was misleading. It showed the size of the file being imported. Now it shows the size it will become after reformatting.

## **Import gives confusing messages when no disks are mounted**

When attempting to select audio for import with no disks mounted, RADAR<sup>®</sup> was displaying error messages such as "Track is already taken" or "No valid files". Now it says what the real problem is: "No disks mounted".

## **Wrong start time after importing to new project**

If [DEF START TIME] defined in the [PROJECT PREFS] was not [00:00:00:00.00], then importing to a new project at a sample rate that was not the same as [DEF SAMPLE RATE] was resulting in an incorrect project start time.

## **Can't see audio after importing to new project**

When importing WAV files to [PROJECT], RADAR<sup>®</sup> spots them to their original time stamp. Since this could be anywhere on the 24 hour time line, the audio was not always visible on the RADARView screen. Now, after importing to a new project, RADAR will automatically locate to the beginning of audio.

## **Browser shows "A:FLOPPY" even if no floppy drive exists**

Now the drive list will show the floppy drive only if there is an actual floppy disk in an actual floppy drive.

## **RADARLink slave track names not transferred with [COPY PROJECT]**

After copying a project in RADARLink mode, the track names appear on the RADARView screens for both the master and slave machines, however the [NAME TRACK] dialog has the names for the master machine only. For track numbers greater than 24, the names are all blank.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## **No RADARLink slave track names after [NEW PROJECT]**

After creating a new project in RADARLink mode with the [NEW PROJ SETTNCS] set to [CUR], the track names do not appear on RADARView screen on the slave machine. They don't appear in the [NAME TRACK] dialog either.

## **[UPDATE SOFTWARE] without drive mounted crashes RADAR**

The [UPDATE SOFTWARE] function in the [SYSTEM MENU] was attempting to save project notes and disk notes even when there was no audio drive mounted. This was causing RADAR<sup>®</sup> to crash.

## **Can't clear peak values on meterbridge during recording**

When the [PEAK HOLD TIME] in the [PREFERENCES MENU] was set to -1 seconds, there was no way to clear the peak values while continuing to record. Now you can press [SHIFT] and [CANCEL] while in record to reset the peak values.

## **RNC Command [LIST\_CHUNK] update**

The WAV header information is now included in the information returned by the RADAR<sup>®</sup> Network Command [LIST\_CHUNK].

## **RNC command [CD\_PLAY\_FROM\_TO] ignores parameters**

When the RNC command [CD\_PLAY\_FROM\_TO] is sent to RADAR<sup>®</sup>, the CD player would play from track 1 to the last track regardless of the "from" and "to" parameters. .

## **RNC command [CD\_MEDIA\_PRESENT] always says media not present**

Now the RNC command [CD\_MEDIA\_PRESENT] returns accurate information.

## **In nudge chase, many "PLL locked / not locked" messages in debug**

If the [CHASE MODE] in the [TC SETTINGS] section of the [SYNC MENU] was set the [NUDGE], then when nudge chase mode was triggered by out-of-range incoming time code, spurious "PLL not locked" and "PLL locked" messages were appearing the in the debug log.

## **Need debug message if DVD drive can't unmount**

Now, if RADAR<sup>®</sup> is not able to unmount a DVD or CD after it has been ejected from the DVD multi drive, the message "Error unmounting from DVD drive" will appear in the debug log.



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

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December, 2006

## Menu Structure in Version 3.39

Following is the RADAR<sup>®</sup> menu structure for Version 3.39. This is the same as in Version 3.38.

### SYSTEM MENU

#### SYSTEM INFO

RADAR SOFTWARE VER  
SERIAL NUMBER  
RECORDING ENGINE  
INSTALLED RAM  
CPU TYPE  
CPU SPEED  
IP ADDRESS  
MAC ADDRESS  
ETHERNET TYPE  
ANALOG I/O  
DIGITAL I/O 1  
DIGITAL I/O 2  
PRIMARY MASTER  
SECOND 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<sup>®</sup> Plus present)

#### SEAMLESS 64K

#### CLONE RADAR DISK

#### DISK NOTES

### SYNC MENU

#### TC SETTINGS

##### TC FORMAT

##### TC RATE

##### SMPTE LOCK SPEED

##### FREEWHEEL TIME

##### STATIC TC OUT

##### CHASE MODE

##### SHOW SYNC DRIFT



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Contact Support: (800) 776-1356

December, 2006

- SYNC THRESHOLD
- CHASE ON POWERUP
- SYNC REFERENCE
- 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



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## 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
  - EXPORT FORMAT
  - EXPORT SILENCE
  - REFORMAT QUALITY
  - WRITE VERIFY
  - FILE NAME FORMAT
  - 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
- 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 SETTNCS





# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

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

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<sup>®</sup> 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



# RADAR<sup>®</sup> 3.39 RELEASE NOTES

**PRESS CANCEL TO RETURN TO RADARVIEW**

Contact Support: (800) 776-1356

December, 2006

## 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
- REFORMAT QUALITY
- WRITE VERIFY
- FILE NAME FORMAT
- DVD BURN MODE
- DVD BURN SPEED

## 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)
- 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

- 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

## DIAGNOSTICS MENU

- SCAN SCSI BUS
- INIT DISK



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December, 2006

CHECK DISK  
REPAIR DISK  
CHECK PROJECT  
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