

# RADAR I System Software - Version 1.68

## Pre-Installation Checklist:

Before proceeding with the software upgrade, ensure that your RADAR unit meets the following requirements. Contact tech support if you need parts or further details.

- 1) If your RADAR unit is currently running a software version earlier than 1.46, you must first upgrade to version 1.46 before installing version 1.68. Refer to the Version 1.46 Release Notes for instructions.
- 2) Ensure that your RADAR system has sufficient memory (RAM) installed on the motherboard to support the disk drives that you have installed (or are planning to install). Refer to **Appendix I: System Memory Requirements** for details. A minimum of 32 Mb of RAM is recommended as drive capacities are increasing. See **Appendix II: Approved SCSI Disk Drives** for the list of available drives and their capacities.
- 3) If you have a 486-25MHz-SX processor on your motherboard, you may experience slow edits and sluggish performance. Upgrading to a 486-33MHz-DX processor will improve performance (for example, the edit time for slides will be 4 to 5 times quicker with a 486-33MHz-DX processor than with a 486-25MHz-SX). The recommended upgrade procedure is to replace the entire motherboard.
- 4) It is advisable that all power connectors be re-seated on your RADAR unit, and that the 5 volt power supply be measured. Sporadic read/write errors, and other unpredictable errors have been observed on units where the power supply measures below 5 volts. The recommended procedure if the power measures below 5 volts after reseating connectors is to replace the power supply.
- 5) In rare circumstances, certain Exabyte Eliant 820 tape drives experience a firmware fault that can cause a backup operation to fail. Should this occur, contact tech support for instructions on upgrading your tape drive or turning off the backup optimization feature. Refer to **Appendix III: Approved Tape Drives** for more information about tape drives.

## Upgrade Procedure:

- 1) **Backup all audio on all drives.** In some situations, the upgrade process will require audio drives to be initialized, erasing all audio, so a backup is essential prior to beginning the upgrade.
- 2) Determine which type of Disk Configuration applies to your setup:
  - If you have **INTERNAL** drives only, go to Step 3 on the following page.
  - If you have **EXTERNAL** drives only, go to Step 3. If you have more than one set of external drives, you must repeat the remaining steps Upgrade Procedure for each set of drives.

- If you have both internal and external drives and they are configured as “**INT + EXT**”, you should disconnect the external drives during the software upgrade. You will see this instruction in Step 4 of the Upgrade Procedure.
- If you have both internal and external drives and they are used separately as required by your session demands in either **INTERNAL** or **EXTERNAL** mode, then each set of disks must be upgraded separately to version 1.68 format. This is because the RADAR Operating System

### Upgrade Procedure (cont'd):

resides on the first disk of each set of drives (for internal drives, it resides on Disk 0; for external drives, it resides on Disk 3). Begin by setting “DISK MODE” (in the “DISK CONFIG” section of the SYSTEM menu) to “EXTERNAL”. Perform the remaining steps of Upgrade Procedure once for each set of external drives, and then again for the internal drives. As instructed in Step 4, you disconnect the external drive bay while you are upgrading the internal drives.

- 3) **Choose "UPGRADE SYSTEM" from the SYSTEM menu** and answer “YES”. If the “UPGRADE FORMAT” prompt appears, choose “NEW (v1.50+up)” or “NEW (v1.92+up)”. When you press the enter key, RADAR will convert the projects to a version-independent format. This operation will take approximately 10 seconds per project.
- 4) **Power off RADAR.** If your disk configuration is set to “**INTERNAL**” or “**INT + EXT**”, disconnect any external drive bays and ensure that a SCSI terminator is plugged into the back panel of your RADAR unit.
- 5) **Insert the floppy disk** containing the Version 1.68 software and power up RADAR. The front panel and RE8 LCD should show the following status messages:

"RADAR DIGITAL 24 TRACK"  
 "DRIVES FOUND: 3"  
 "Booting from floppy ... "  
 "CHECKING OPSYS"  
 "LOADING FLOPPY"

- 6) The LCD prompt "**UPGRADE 1.46 TO 1.68?**" will appear when the the floppy has been loaded. Other possible prompts are "DOWNGRADE x.xx TO 1.68?" if you are reverting to 1.68 from a later version of software; "REINSTALL 1.68?" if the current version has already been installed; or "INSTALL 1.68?" if the disks have been freshly initialized. In any case select “YES” to proceed with the upgrade.

In some circumstances, RADAR may prompt you to “**INIT x DRIVES?**”. **Note that initializing drives will erase all audio on those drives.** Therefore, make sure that you backed up all data in accordance with the System Preparation before you answer “YES” to this prompt. Once all required drives are initialized, the following sequence of messages will appear as the new software is installed:

"CLEARING OPSYS"  
 "COPYING BOOTLOAD.386 ..."  
 "COPYING BOOTPART.386 ..."  
 "COPYING KS1.ISP ..."  
 "COPYING EM8B.BIN ..."  
 "COPYING CM24.BIN ..."

"COPYING RADARL.BIN ..."  
"COPYING RADARH.BIN ..."  
"COPYING LOADER"

7) When the load is complete, the LCD will say either:

"INSTALL COMPLETE. PRESS ANY BUTTON"

or

"REMOVE FLOPPY, POWER OFF & REBOOT".

In either case, when you perform this action, RADAR will mount the disks and convert your projects to 1.68 format. If an error message appears, contact technical support.

### **Upgrade Procedure (cont'd):**

- If you have **INTERNAL** drives only, then the installation is complete.
- If you have **EXTERNAL** drives only, the installation is complete unless you have more than one set of drives. In this case, power off RADAR, remove the floppy, connect then next set of external drives, and repeat the Upgrade Procedure.
- If you have both internal and external drives and they are configured as "**INT + EXT**", power off RADAR, remove the floppy, reconnect the external drive bay, and reboot.
- If you use both **INTERNAL** and **EXTERNAL** drives separately, and you have just completed the installation for the external drives, set the "DISK MODE" (in the "DISK CONFIG" section of the SYSTEM menu) to "INTERNAL" to upgrade the internal drives. In this situation, the warning "WRONG OP SYS S/W" is expected since the system is running version 1.68, but the internal disks still contain the old version. Power off RADAR, remove the floppy, and reboot with the old software on the internal disks. Repeat the Upgrade Procedure.

### **Running 1.68 software from floppy without installing to hard drives:**

If you select "NO" in answer to the prompt to install 1.68 in Step 6 above, RADAR will then ask you whether you want to "RUN 1.68 FROM FLOPPY?" If you select "NO", the install procedure will be aborted and you must reboot RADAR. However, if you select "YES", RADAR will run the software from the floppy without installing it, thereby allowing you to use version 1.68 while keeping the version 1.46 software on the hard disks. In this case, before rebooting from the internal drives, you must select "UPGRADE SYSTEM" from the SYSTEM menu and, choose "OLD (v1.46+down)" as the upgrade format.