

HRDV Firmware 4.xxG and RAS Software 4.xx Upgrade Application Note

Overview

This document explains how to upgrade the HRDV series (HRDV8 and HRDV16) recorder with the latest version of firmware V4.xxG and Remote Access Software (RAS) V4.xx.

Important—Read this first

Note HRDV will perform a file integrity check on boot up (typically on power up).

In the unlikely event that a file error is found during the file integrity check, HRDV will automatically launch a hard drive recovery routine after waiting 30 seconds for possible operator intervention* (**see below**). **HRDV WILL NOT RECORD DURING THE HARD DRIVE RECOVERY ROUTINE.** The hard drive recovery duration may take up to one minute/GB depending on the amount of data stored. For example, an HRDV with a single 120 GB hard drive may take up to two hours to run the recovery routine. The user may choose to schedule the upgrade based on a time best suited to complete this procedure.

Before you upgrade:

The HRDV must be configured with the **AUTORECORD** feature enabled, to ensure the HRDV will automatically commence recording upon completion of the firmware upgrade and disk recovery routine.

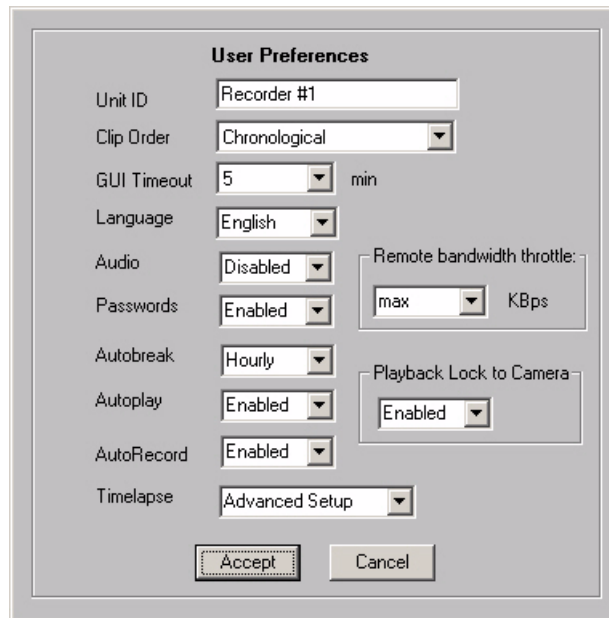
During the time that the HRDV is performing the disk drive data recovery, an informational message will display on the Main Monitor advising that the HRDV is undergoing a drive recovery. A similar informational message will be presented to anyone attempting to log into the HRDV using RAS. During the time that HRDV is performing the recovery, you will not be able to log in via RAS and you will be advised to try again later.

* Should you wish to bypass the disc drive recovery routine, during the 30-second window described above, you can elect for HRDV not to run the recovery routine. **THE OPTION TO BYPASS THE DISK DRIVE RECOVERY ROUTINE CAN ONLY BE EXECUTED FROM THE HRDV FRONT PANEL.**

* Should you select for HRDV NOT to run the recovery routine, you must perform a manual disk drive data recovery **as soon as possible to ensure proper operation of the HRDV.** Please refer to the Storage Setup chapter of the HRDV Reference Guide (document # 900.0261) for more detailed information on the Disk Drive Data Recovery Utility.

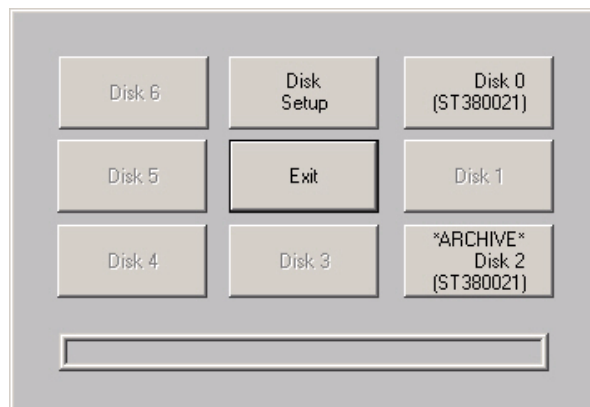
Preparation

1. Connect and log on to the HRDV and proceed as follows:
 - a. Launch RAS and then select **Configure Recorder** from the Setup pull-down menu.
 - b. Go to **System Setup ► User Preferences**.



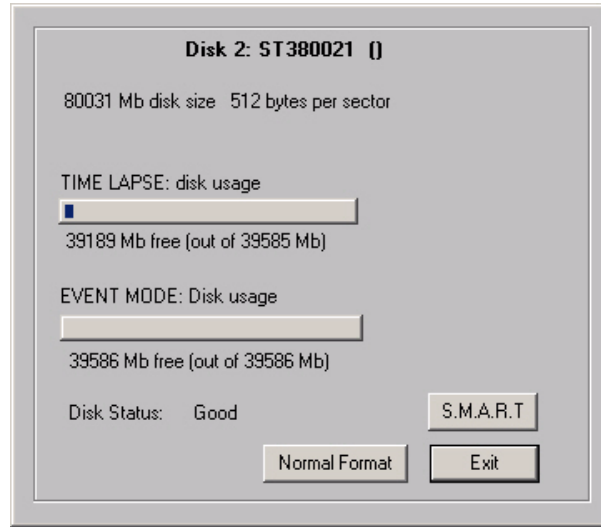
- c. Enable **AutoRecord** (HRDV automatically returns to record mode).
 - d. Ensure the GUI Timeout is **5 minutes**.
 - e. Click **Accept**.
2. Calculate the potential non-recording time in the unlikely event the data recovery utility must be executed.

Go to **Storage Setup**.



3. Select a drive (**Disk 0**) and press **Enter**.

The drive size is in MB. Take off the least significant 3 digits to convert to GB. In this example, 80,031 MB = 80 GB.



Total the GB of all drives in your system [= _____]. The total equals the approximate time in minutes for the data recovery utility to execute. **Remember, the HRDV will not record video during this time.**

Note The user may choose to schedule the upgrade based on a time best suited to complete this procedure.

Upgrade Procedure

STEP 1 Download latest HRDV firmware and HRDV RAS software to the PC

1. Connect to the Honeywell web site at:
<http://www.honeywellvideo.com/support/downloads/downloads.html>
2. Download the HRDV v4.xgx firmware to your PC desktop.
3. Download the RAS v4.xx software to your PC desktop.
4. Disconnect from the Internet.

STEP 2 Upgrade RAS software on the PC

1. Double-click **RAS4setup.exe** to install the new version of RAS. If you wish to keep any previous IP addresses or modem phone numbers, select **Yes** when prompted to save previous configuration information. Otherwise, you will need to re-enter this information when you install the new version of RAS. Press **Next** to install RAS over the default settings in the PC. Continue to press **Next** through all the prompts until finished.

Note that an HRDV RAS icon has been added to your Desktop.

2. Double-click the HRDV RAS Desktop icon to run RAS and access your HRDV unit. RAS can also be launched by selecting **Start > All Programs > RAS 4.0 > RAS 4.0**.

STEP 3 Download HRDV firmware to the HRDV recorder

1. Connect to your HRDV unit using your **New** version of RAS.
2. If the HRDV recorder is currently in record mode, stop it by clicking the **Record** button on the RAS main screen.
3. From the **Action** pull-down menu, select **Download Software**.
4. Find the binary upgrade file *16i4_xxx.bin*.
5. Click **OK** to begin downloading (transferring) this file to the HRDV recorder.
6. After the download is complete, you are prompted to reboot the HRDV recorder. Click **OK**. RAS automatically disconnects.
7. Exit RAS.
8. After the HRDV recorder has powered up, it will be in idle mode. To start recording, press **REC** on the front panel. (This is unnecessary provided you have enabled autorecord earlier in the preparation stage of this procedure.)

STEP 4 Verifying if the upgrade is successful and complete

After upgrading the HRDV software, wait approximately five minutes, then use RAS to connect to the HRDV unit.

If you connect and log in successfully you should see that the RED record icon is bright red indicating the unit is recording normally.

To confirm the current software version of the HRDV do as follows:

1. In RAS, select **Configure Recorder** from the Setup pull-down menu.
2. Go to **System Setup ► System Info**.
3. Confirm the software version number displayed is the new version.

When connecting with RAS, if you get the following message:

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HRDV is doing disk recovery, please try again later.
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This message indicates the HRDV is running the Data recovery utility and will take the approximate time you estimated in the Preparation step. When completed, the unit will automatically exit and put itself back in Record mode.

Based upon your estimated time for the data recovery utility to complete, connect to the HRDV at a later time to verify normal operation.

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