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## Updates

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Always use the most recent firmware for this device. Please visit the TASCAM web site at <http://tascam.com> to check for the latest firmware.

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## Note about printable discs

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The explanation about printable discs on page 10 of the Owner's Manual has been revised as follows.

(Before revision)

Using commercially available CD stabilizers or printable recordable discs with this player will damage the mechanism and cause it to malfunction.

(After revision)

Never use commercially available CD stabilizers with this player. When using a printable recordable disc with this player, only use a disc before its label side has been printed. Using a disc after its label side has been printed could cause it to become unbalanced due to the slight weight of the ink, and this could lead to poor data-recording quality.

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## New functions

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### V2.04 additions

- In order to prevent file fragmentation, recording can no longer be continued when the remaining open capacity of the hard disk drive is less than 1 GB. Delete projects and tracks to increase the open capacity in order to continue recording.
- Victor/JVC DVD-RW 4x discs are now supported.

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## Maintenance items

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### V2.05 fixes

- After recording directly to a CD-R/RW disc, noise could be heard mixed into the end of tracks when playing back the disc. This has been fixed.
- Compared to the maximum project time shown in table 6.2 on page 41 of the Owner's Manual, the actual maximum time that could be recorded was about one hour less in V2.04 (only). This has been fixed.

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### V2.04 fixes

- When the remaining hard disk drive capacity became low, the unit would hang up during recording on rare occasions. This issue has been corrected.
- The "COPY ID" setting has been made effective when making an audio CD from the hard disk (HDD to CD).

#### NOTE

For information about "COPY ID", see "Copy protection" on page 37 of the Owner's Manual.

- Recording quality has been improved with Mitsubishi Kagaku Media (Verbatim) DVD+R 16x discs. (This was only a problem with units using Drive. Ver. T.0H and T.0J.)
- After making an audio CD from the hard disk (HDD to CD), the home screen would not reopen and the unit would hang up on rare occasions (This was only a problem with units using Drive. Ver. T.0H and T.0J.) This issue has been corrected.

#### NOTE

See "The check screen" on page 26 of the Owner's Manual for instruction about how to check the Drive. Ver.

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## Checking the firmware version

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Check the firmware version for your DV-RA1000HD unit before beginning to update the firmware.

- 1 Turn the unit power on.
- 2 Press the MENU key to open the MENU screen.
- 3 Use the JOG/DATA dial to select SYSTEM SETUP and open the SYSTEM SETUP screen
- 4 Use the JOG/DATA dial to select CHECK and press the ENTER key.
- 5 There is no need to update if the number to the right of "Ver." is the same or newer than the version that you were planning to use to update.

## Updating the firmware

Prepare a CD-R disc that has not been written at all and a computer that can create a data CD.

### CAUTION

Make certain that the power will not be turned off while updating. If power is lost during a firmware update the unit might not be able to restart and could become unusable.

### 1 Download the firmware file

Download the newest firmware from the TASCAM website (<http://tascam.com/>).

The name of the file used for Ver. 2.05 is "DVRA1KHD.205".

### 2 Create the data CD for the update

Write the downloaded firmware to the disc.

For the CD-R writing format, use ISO9660 Level1 (MS-DOS-compatible) disc-at-once.

### 3 Update the firmware

- (1) While pressing and holding the **ENTER** and **CANCEL** keys, turn the **POWER** switch ON. Continue pressing the keys until "Update mode" appears on the screen.
- (2) After the following screen appears, release the two keys.  
The drive tray should open automatically in about 20 seconds. When it does, insert the CD with the updater into the tray.



- (3) Follow the instructions shown in the screen below and press the **ENTER** key.



- (4) When the updater CD is read, the following confirmation pop-up message appears. Press the **ENTER** key.  
Updating should take about one minute.
- (5) When updating completes, the following pop-up message appears and the tray opens.  
Remove the updater CD from the tray, and press the **POWER** switch to turn the power OFF.



- (6) Press the **POWER** switch again to turn the power ON. After the tray closes and the usual startup screen appears, the regular home screen will open.

### 4 Confirm the firmware version number

Follow the instructions in "Checking the firmware version" above to view the firmware version to confirm that the number of the updated version is shown. If it is, updating has completed successfully.