
Additional functions in version 1.01

- Level mode and Time mode are available for the auto track increment function.
- You can select Quick format or Full format before formatting a DVD+RW disc.
- You can select US layout or JIS layout for the PS/2 keyboard.
- You can adjust the brightness of the backlight LCD.
- During playback, you can skip a silence of about 2 ms at the beginning of the file in DSD mode.

Note

If you make a track increment recording in DSD mode, a silence of about 2 ms will be added at the beginning of the DSDIFF data.

Note

If you connect a Macintosh computer running MacOS 9 to the DV-RA1000 via USB, the inserted CD might not be recognized correctly. Be sure to use a Macintosh computer running MacOS X or later.

Note

A disc recorded on DV-RA1000 version 1.00 can be played back on DV-RA1000 version 1.01.

Version 1.00 problems corrected

- When an effect is turned on in CD mode, pressing the **RECORD** key or **STOP** key will not turn the effect off.
- Just after you turn on the power to the unit and open a project in DSD mode, the actual SDIF-3 output connector will be used if SDIF-3 is selected on the Input Select screen.
- When the marks (set just after the track increment recording) are displayed in the **LOCATE LIST** screen, their order will not slip and the marks will be displayed in the correct order.
- Marks set during CD-R/RW recording will not be deleted after the recording is complete.
- The auto track increment will be activated automatically when you set the sound level to DD in the synchronized recording screen for the S/PDIF input (excluding an MD and CD).

Correction of the Owner's Manual

- Recording with the fade function as described on page 27 of the Owner's Manual

Before correction:

When recording starts and fade mode is selected, the **RECORD** key flashes while the fade in is taking place. It lights steadily when the fade is complete.

When playback starts and fade mode is selected, a fade-in starts.

When recording stops and fade mode is selected, the fade continues for the set time, and then recording stops. If **STOP** is pressed during the fade out, recording then stops immediately.

When playback stops (with the **STOP** key) and fade mode is selected, the fade-out starts. If the **STOP** key is pressed during the fade, playback stops immediately.

Correction:

When recording starts and fade mode is selected, the **RECORD** key lights up steadily while the fade-in is taking place.

When playback starts and fade mode is selected, a fade-in starts.

When recording stops and fade mode is selected, the fade out continues for the set amount of time, and then recording stops.

The **RECORD** key remains lit steadily while the fade-out is taking place. If **STOP** is pressed during the fade-out, recording stops immediately.

Using the new functions

Synchronized recording and auto track increment

Press and hold down the **SYNC REC** key for about one second. The unit displays the **Sound Level** screen. When the unit detects an audio signal at a sound level equal to or higher than the threshold specified in this screen, synchronized recording or the auto cue function is enabled.

The recording stops if the sound level falls below and remains lower than the threshold specified by the **SOUND LEVEL** parameter for longer than the duration specified by the **SYNC STOP** parameter.

The **ATRK** (auto track) **INTERVAL** parameter is the duration of a silence required to execute the auto track increment function.

Note

*If you are using the synchronized recording and auto track increment functions at the same time, set the **SYNC STOP** value longer than the **ATRK INTERVAL** so that the recording will not be stopped by an audio signal level that is lower than the threshold.*

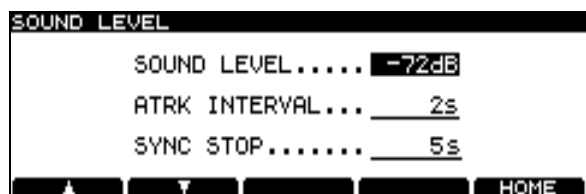


Figure 9.1: Setting the sound level threshold

Setting the SOUND LEVEL parameter

- 1 Use the F1 or F2 key (cursor key) to select **SOUND LEVEL**.
- 2 Rotate the wheel to select a sound level from the following options:
-72dB, -66dB, -60dB, -54dB, -48dB, -42dB, -36dB, -30dB, -24dB, DD (digital detect, equivalent to -54dB)
- 3 Press **ENTER** to confirm your selection.

Note

If you select an option that is -48 dB or lower in DSD mode, the level will automatically be set to -48dB internally.

Setting the ATRK INTERVAL parameter

- 1 Use the F1 or F2 key (cursor key) to select **ATRK INTERVAL**.
- 2 Rotate the wheel to select an interval in the range of 1 second through 6 seconds, with the default value set to 2 seconds.
- 3 Press **ENTER** to confirm your selection.

Setting the SYNC STOP parameter

- 1 Use the F1 or F2 key (cursor key) to select **SYNC STOP**.
- 2 Rotate the wheel to select a time in the range of 5 seconds through 60 seconds (in 5 second steps), with the default value set to 5 seconds. If you do not want recording to stop if a silence is detected, select **INF**.
- 3 Press **ENTER** to confirm your selection.

Auto track increment

You can select Level mode or Time mode for the Auto track increment.

Level mode functions in the same way as with version 1.00, except that you can now change the position of a track increment via the delay value. Time mode automatically increments the tracks according to the specified time interval during recording.

Auto track increment recording in Level mode

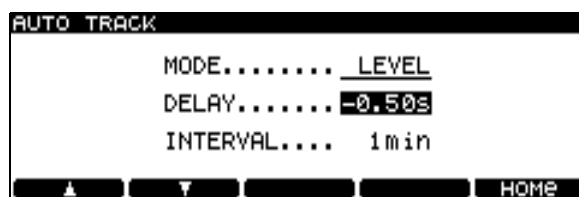


Figure 9.2 Auto track Level mode screen

[Setting the MODE parameter]

- 1 Use the F1 to F4 key (cursor key) or the wheel on the virtual front panel screen to select **ATRK**.
- 2 Press and hold down **ATRK** for more than one second to open the **Auto Track** screen.
- 3 Use the F1 or F2 key (cursor key) to select **MODE**.
- 4 Rotate the wheel to set the **MODE** parameter to **LEVEL**.

[Setting the DELAY parameter]

- 1 Use the F1 or F2 key (cursor key) to select **DELAY**.
- 2 Rotate the wheel to set the delay time in the range of +1.7 seconds through -1.7 seconds, with the default value set to 0 seconds.
- 3 After you set the **MODE** and **DELAY** parameters, press **ENTER** to confirm your settings.

After synchronized recording or manual recording starts, the tracks will be incremented automatically by the level changes of the audio signal.

Hint

The auto track increment recording in Level mode starts when the DV-RA1000 detects an audio level equal to or higher than the specified sound level. Therefore, the very beginning of the sound may not be recorded, or the top part of the subsequent track may be recorded at the end of the current track. To avoid these problems, set the **DELAY** parameter to a negative value to offset the start point of recording and the beginning of the audio signal to be recorded. Alternatively, set the Sound Level to a lower value.

Note

The cursor will not move to the **DELAY** parameter if the **MODE** parameter is set to **TIME**.

Auto track increment recording in Time mode

[Setting the MODE parameter]

- 1 Use the F1 to F4 key (cursor key) or the wheel on the virtual front panel screen to select **ATRK**.
- 2 Press and hold down **ATRK** for more than one second to open the Auto Track screen.
- 3 Use the F1 or F2 key to select **MODE**.
- 4 Rotate the wheel to set the **MODE** parameter to **TIME**.

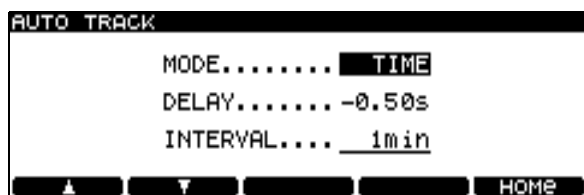


Figure 9.3 AUTO TRACK screen

[Setting the INTERVAL parameter]

- 1 Use the F1 or F2 key (cursor key) to select **INTERVAL**.
- 2 Rotate the wheel to set the interval in the range of 1 minute through 10 minutes, with the default value set to 5 minutes.
- 3 After you set the **MODE** and **INTERVAL** parameter, press **ENTER** to confirm your settings.

After manual recording starts and the interval time expires, the tracks will be incremented automatically.

Note

The maximum number of tracks on a CD is 99. The maximum number of tracks in a single project on a DVD+RW disc is also 99. When the number of recorded tracks on a DVD+RW reaches 99, the number of tracks (99) remains the same and the recording continues until the data fills up the available space on the disc.

Note

Pressing the **RECORD** key during recording enables you to manually increment the tracks. However, since the DV-RA1000 cannot create a track of a length of four seconds or less, wait for four or more seconds until you press the **RECORD** key again. Also, pressing the **RECORD** key many times (even if the interval between each press is about five seconds) may cause the recording to be stopped. To play safe, wait about 30 seconds between each press of the **RECORD** key to continuously increment the tracks.

Using a new DVD+RW disc

You can select **Quick Format** or **Full Format** when you format a new disc.

When you insert a new DVD+RW disc into the tray and close the tray, the unit displays a pop-up message for confirmation. Press **ENTER** to display the following screen.

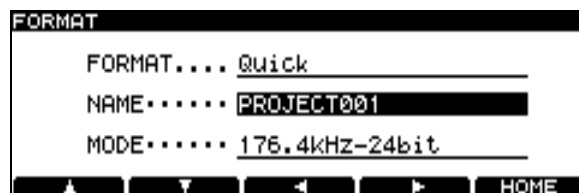


Figure 9.4 Selecting the format

- 1 Use the F1 or F2 key (cursor key) to select **FORMAT**.
- 2 Rotate the wheel to set the **FORMAT** parameter to **Quick** or **Full**. The default setting is **Quick**.
- 3 Use the F1 or F2 key (cursor key) to select **NAME**.
- 4 Use the F3 or F4 key (cursor key) and the wheel to edit the project name.
- 5 Press **ENTER** to confirm the edited project name.
- 6 Use the F1 or F2 key (cursor key) to select **MODE**, and use the wheel to set the recording format then press **ENTER** to confirm your setting.

The disc format operation starts. When the format operation is complete, the **Home** screen is displayed.

• Quick format

With this option, the DV-RA1000 records project files and other data. Then in a few minutes, it displays the **Home** screen and enters record waiting mode.

If you are formatting a brand new disc, the unit executes the background format operation (which formats an unrecorded area) while recording or playback is stopped.

• Full format

This option formats the entire disc. It takes about 30 minutes to complete the format. Pressing **CANCEL** during a Full format operation will cause the unit to display a pop-up message that asks whether you wish to interrupt the formatting.

Press **CANCEL** again to continue the formatting operation. Press **ENTER** to abort the Full format operation and switch to background formatting.

The disc eject and shut down operation are available during background formatting.

Note

During a background format, the **CLOSE** indicator located in the upper right corner of the **Home** screen will flash. When the format is complete, the **CLOSE** indicator turns off.

Caution

Start recording when the background format operation is complete. If you start recording during the background format, the unit may try to record data to an unformatted area. Do not remove the disc before the background format operation is complete. Do not insert such a disc into a disc drive on a computer. Otherwise, the computer's disc drive may resume the background format using a different format.

Do not insert a disc formatted on a computer into the DV-RA1000's disc drive. Be sure to format discs on the DV-RA1000 before using them with the DV-RA1000.

Preference settings

The DV-RA1000 preference now includes the keyboard type, backlight LCD brightness, and DSD seamless playback to improve your operational environment.

- 1 While the home screen is displayed, press the **MENU** key.
- 2 Select **SYSTEM SETUP**, then press **ENTER**.
- 3 Select **PREFERENCE**, then press **ENTER**.
The unit displays the **Preference** screen.
- 4 Use the **F1 - F4** keys (cursor keys) to highlight an item you wish to set on the screen.

Selecting the PS/2 keyboard type

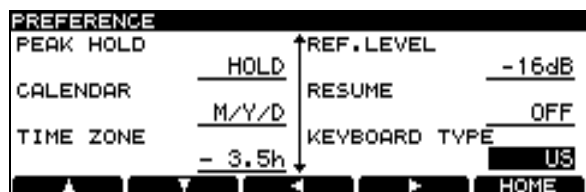


Figure 9.5 Setting the keyboard type

Rotate the wheel to set the **KEYBOARD TYPE** parameter to **US** or **JPN**.

- The **US** option selects an English (ASCII) keyboard.
- The **JPN** option selects a Japanese (JIS) keyboard.

Select the desired option, then press **ENTER** to confirm your selection.

Adjusting the brightness of the backlight LCD

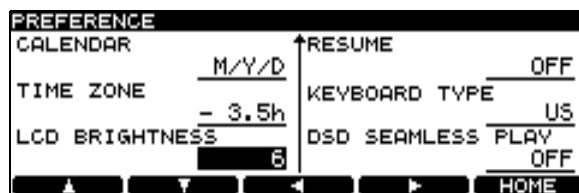


Figure 9.6 Adjusting the LCD brightness

Rotate the wheel to select the **LCD BRIGHTNESS** value in the range of 1 through 6. The minimum brightness is 1 and the maximum brightness is 6.

Note

Pressing **ENTER** or **HOME** will confirm the brightness setting. Press **CANCEL** to cancel the setting.

Setting DSD seamless playback

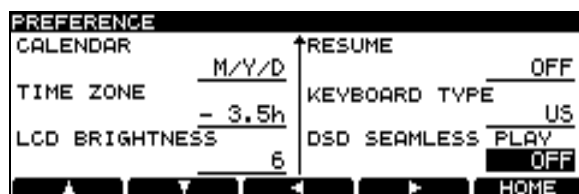


Figure 9.7 Setting DSD seamless playback

Rotate the wheel to set the **DSD SEAMLESS PLAY** parameter to **ON** or **OFF**.

If you select **OFF**, a silence of about 2 ms will be inserted between the tracks during playback.

If you select **ON**, the unit plays back the tracks seamlessly, skipping a silence of 2 ms between the tracks.

After you select the desired option, press **ENTER** to confirm your selection.

Note

A **DSDIFF** file of a track recorded by the track increment function in **DSD** mode contains a silence of 2ms at the beginning of the recorded signal.

If you play back these track files as they are, you will notice a silence between each track. If you turn on the seamless play function, this silence will be skipped.