Updates

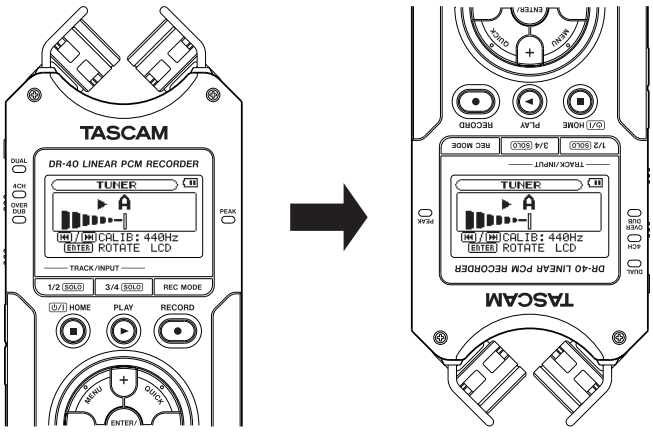
Always use the most recent firmware for this device. Please visit the TASCAM web site at http://tascam.com/ to check for the latest firmware.

New functions

V1.20 additions

The tuner is now easier to use.

When the TUNER screen is open, you can press the **ENTER/MARK** button to reverse the screen orientation, making it easier to tune using the built-in mic.



V1.10 additions

You can now set the EXT IN input levels for the left and right channels independently.

If the input selection on the REC MODE screen (SOURCE or EXT IN) is set to EXT INDEP., you can set the EXT IN input levels of the left and right channels independently.

When the Home Screen is open, you can use the INPUT LEVEL (+/–) buttons on the left side panel to adjust the input level.

Use the following buttons to switch between adjusting the input levels of the left and right channels.

- When the REC MODE item is set to STEREO, DUAL or OVERDUB-SEPARATE, use the 1/2 [SOLO] button.
- When the REC MODE item is set to 4CH or OVERDUB-MIX, use the 3/4 [SOLO] button.

NOTE

When the SOURCE item on the EFFECT screen is set to EXT IN or INT MIC and an effect is applied to the input signal, elements of both left and right channels will be included in the effect sound, so sound from the opposite channel will be mixed into the recorded signal.

When the input selection on the REC MODE screen (SOURCE or EXT IN) is set to EXT IN 1/2, the EXT IN input level will be the same for both left and right channels.

The delay time range when the REC MODE item is set to 4CH has been expanded.

The delay time can now be set to a maximum of 150 ms.

The delay time when the REC MODE item is set to 4CH can now be set independently for left and right channels.

If there are differences in the distances from the sound source to the INT MIC, to the EXT IN L channel and to the EXT IN R channel, you can compensate for the time lag by treating the INT MIC as the basic position and then adjusting the EXT IN L and EXT IN R channel delay times.

The input level setting pull-up menu has been changed so that its items correspond to the input source.

V1.02 additions

Right external input channel muting when recording 4 channels

When the REC MODE item is set to 4CH on the REC MODE screen, a new function has been added that allows the right external input channel to be muted by setting the EXT IN item to EXT IN 1. This function allows you to use a mono mic on the left external input channel with the built-in mics for three-channel recording.

The files created, however, will still be two stereo files with the right external input channel muted.

NOTE

- When the EXT IN item is set to EXT IN 1, effects cannot be used when recording
- If you want the left external input channel to be centered when monitoring, press the **MIXER** button during recording or recording standby and set the channel 3 PAN to C (center) on the MIXER screen.

Maintenance items

V1.20 fixes

- When overdubbing in SEPARATE mode with an MP3 file recorded on a device other than this unit as the playback file, jumping back and searching backward or forward (rewinding or fast forwarding), for example, caused the audio of channel pairs 1/2 and 3/4 to become out of sync. This has been fixed.

NOTE

about projects with overdubbing in SEPARATE mode using firmware versions 1.10 and earlier

- If the bit rate of the playback file is one that this unit can use for recording (32, 64, 96, 128, 192, 256 or 320 kbps) jumping back and searching backward or forward, for example, will not cause the audio of channel pairs 1/2 and 3/4 to become out of sync using firmware versions 1.10 and earlier.
- If the bit rate of the playback file is one that this unit cannot use for recording (48, 56, 80, 112, 160 or 224 kbps) jumping back and searching backward or forward, for example, will cause the audio of channel pairs 1/2 and 3/4 to become out of sync using firmware versions 1.10 and earlier. Use firmware version 1.20 or later when overdubbing to avoid this.

- After VSA playback, searching forward or backward sometimes caused the volume to decrease during later playback operations. This has been fixed.
- The sensitivity of the tuner has been improved.

V1.10 fixes

- If a mixdown was executed when the open capacity of an SD card was more than 4 GB, a CARD FULL error would occur and the mixdown would fail in some cases. This has been fixed.
- Operation stability has been improved.

V1.02 fixes

- If the REC MODE item was set to DUAL and the SOURCE item was set to INT MIC MONO or EXT IN 1 on the REC MODE screen, the DUAL peak value in decibels would not be shown correctly on the recording screen. This has been fixed.
- When a file recorded in MP3 format was played back using the I/O loop function, sometimes loop playback did not occur properly. This has been fixed.
- Operation reliability has been improved.

V1.01 fixes

- If recording was conducted when the REC MODE item on the REC MODE screen was set to STEREO or MONO, the remaining recording time display could show less than the actual amount and a Card Full message might appear and recording might stop even if the SD card still had remaining capacity. This has been fixed.
- During recording with certain SD cards, a File Error would occur. This has been fixed.
- Operation reliability has been improved.

Confirmation of firmware version

Confirm the firmware version of your DR-40 before conducting a firmware update.

1. **Turn the unit's power ON.**
2. **Press the MENU button to open the MENU screen.**
3. **Use the +/– buttons to select the OTHERS menu item, and press the ENTER/MARK button to open the OTHERS submenu.**
4. **Use the +/– buttons to select the INFORMATION menu item, and press the ENTER/MARK button to open the INFORMATION screen FILE page.**
5. **Use the +/– buttons to open the SYSTEM page where you can check the System Ver. item that shows the firmware version.**

   If the System Ver. shown here is the same or newer than the firmware version that you planned to update to, then there is no need to update it.

Firmware update procedures

CAUTION

When updating the firmware, be sure that the batteries have sufficient charge or power the unit using a TASCAM PS-P515U AC adaptor (sold separately) or USB bus power from a computer.

The program has been set so that the update will not be conducted if battery power is insufficient.

1 **Download the most recent firmware from the TASCAM web site (http://tascam.com/). If the file that you have downloaded is compressed in ZIP format, for example, decompress it.**

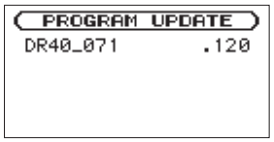
2 **Turn the unit's power ON and use the included USB cable to connect it with a computer. This unit will be recognized as an external drive (external storage device) by the computer.**

3 **Copy the downloaded firmware (DR40_071.120 for V1.20) to the *UTILITY* folder on the DR-40.**

4 **After copying has completed, disconnect the unit from the computer following the correct procedures, and turn the unit power OFF.**

5 **While pressing and holding both the MIXER and ⏮ buttons, turn the unit power ON.**

The unit starts up in update mode, and the update file appears on the screen.



CAUTION

- If this screen does not appear, turn the power OFF. Then while pressing and holding both the **MIXER** and ⏮ buttons, turn the unit's power ON again. Continue to press and hold the **MIXER** and ⏮ buttons firmly until this screen appears.
- When firmware has been copied to this unit's *UTILITY* folder from a Mac, in addition to the firmware file itself, another file with "._" added to the beginning of the firmware name is also shown. Use the file without the "._" at the beginning of the name.

NOTE

- This screen shows a list of the firmware update files inside the *UTILITY* folder of the unit. Also, the screen shows the firmware copied at Step 3 above. `No Update File` appears if there is no update file in the *UTILITY* folder.
- The screen shown is an example. The actual display differs.

6 **Use the +/– buttons to select the firmware and press the ENTER/MARK button to open the following screen.**



The current version appears on the left and the updated version appears on the right.

NOTE

The screen shown is an example. The actual display differs.

7 **Press the ENTER/MARK button to start the update.**

8 **When the update is complete, `Update Complete` appears at the bottom of the screen, and then the power turns OFF automatically. Turn the power ON again.**

9 **Follow the "Confirmation of firmware version" instructions above to check that the `System Ver.` is now the most recent version of the firmware.**

This completes the procedure for updating this unit.

10 **Connect to a computer with USB and delete the firmware update from the unit's *UTILITY* folder.**