

RELEASE NOTES

MACKIE SDR24/96 REAL TIME OS™ • NOVEMBER 20, 2002 | VERSION 1.2.1

These release notes describe issues for the SDR24/96 hard disk recorder version 1.2.1 that didn't make it into the Operation Manual.

MANUALS

Current versions of the SDR24/96 manuals, marketing literature, and release notes can be downloaded from the Mackie website at <http://www.mackie.com>. Please note that the sibling HDR24/96 Technical Reference Guide is available on the Mackie website, which contains more detailed information about hard disk recording that may be of interest.

SOFTWARE UPDATES

As new software releases become available, they can be downloaded from Mackie's web site by going to the SDR24/96 Product section, and clicking *Downloads*. If you don't know which software version you are currently running, check the version number in the System Menu (**Setup:Page Right:System:Page Right>About**). Once you download the software release onto your Mac or PC, you can copy the file to the SDR24/96's hard drive via the USB port. See "Appendix C: Upgrading the System Software" in the Operation Manual for more information.

SERVICE

Units requiring service in the U.S. must be returned freight prepaid to Mackie. Call technical support to obtain a Return Material Authorization number before packing your SDR24/96 off to us. For service outside the U.S., contact your dealer for instructions.

FIXED OR MODIFIED SINCE VERSION 1.2.0

- The Purge option is now implemented (**PROJECT:PageRight:Purge**).
- With hardware version 1.1, the **POWER** switch is disabled during record. This prevents accidentally touching the **POWER** switch during a recording and turning off the SDR24/96. With hardware version 1.0, the **POWER** switch remains enabled during record.

Important: This revises the software modification described below (item 4 under "Fixed or Modified Since Version 1.1.0").

Note: To check the hardware version, press **SETUP:Page Right:System:Page Right>About**. The first number represents the hardware version, and the second number represents the software version. For example, if SDR-1.0-1.2.0 is displayed, it is hardware version 1.0 and software version 1.2.0.

FIXED OR MODIFIED SINCE VERSION 1.1.0

- Virtual Takes are now implemented (**TRACK:Virtual**).
 - Auto Take (**AUTO TAKE** button) and Auto Take Mode (**SETUP:Record:Page Right:AuTkMd**) are now implemented.
 - The Place option in the Edit menu is now implemented (**EDIT:Page Right:Place**).
- Note** that the audio file being placed must be located in the current project directory tree. Because the SDR24/96 now supports BWF, the option of placing the file at the time stamp position or the current locator position is provided. The "Splice before place?" option now occurs after the audio file has been selected, which is opposite from what is described in the SDR24/96 Operation Guide.

- During recording, the **POWER** switch is now disabled to prevent accidentally shutting off the SDR24/96. Once recording has stopped, the **POWER** switch works normally. **Note** that if the recording stops within about 10 seconds after touching the **POWER** switch, the SDR24/96 may shut off after the recording ends. Rest assured that all the recorded tracks are saved to disk before the SDR24/96 shuts off.

- A Record Recovery feature has been implemented. If the power should fail during record, the SDR24/96 will recover the recordings at the next boot. "Record recovery busy..." will appear in the display, the project used during record will open, the audio files will be saved, the arrangement updated, and the project file saved to disk.

- ◆ The SDR24/96 can recover both internal and external disks, and even recover both disks during the same boot.

- ◆ In case of a hardware failure, Record Recovery can be done by another SDR24/96 running firmware version 1.2.0 or higher.

- ◆ For Record Recovery, the disk must be connected to an SDR24/96 running version 1.2.0 or higher at the next boot. If the disk is first connected to another machine, such as a PC, Mac, or HDR24/96, and then connected to an SDR running version 1.2.0 or higher at the next boot, Record Recovery will (probably) fail as the disk's contents will have been changed.

- ◆ After Record Recovery, the SDR24/96 will continue with its normal startup procedure. If the SDR recovered a disk from another SDR, it will recover those recordings, but after Record Recovery it will open the last project used by the recovering SDR24/96.

FIXED OR MODIFIED SINCE VERSION 1.0.8

- The 9-pin ADAT SYNC ports are now supported for communicating time code information and MMC commands between the SDR24/96 and an ADAT SYNC compliant device (i.e., another SDR24/96, BRC, ADAT, etc.).
- The SDR24/96 can now be synchronized to the Word Clock input while using the ADAT optical inputs, as the SDR can correct for phase differences between the Word Clock and the ADAT optical inputs. This correction is done each time Word Clock is selected as the clock source.
- The ADAT optical inputs can now be used at 96 kHz.
- Track muting is now supported (**TRACK:Mute**).
- Audio files are now saved in the industry standard Broadcast Wave Format (BWF).
- The last project used is now opened on startup.
- Internal and external drives up to two terabytes are now supported.
- An Electronic Serial Number is now accessible in the display (**SETUP:Page Right:System:Page Right:ESN**). Technical Support may request this number if calling for support or service.
- Pressing and holding down increment and decrement buttons now scans up or down through numeric or alphabetic selections. When both **Inc** and **Dec** are pressed at the same time, the character is cleared (alphabetic) or zeroed (numeric).

FIXED OR MODIFIED SINCE VERSION 1.0-1.0.4

- MTC and LTC generation is now implemented (**SETUP:Sync:Page Right:LtcO and MtcO**). The LTC output level (SMPTE OUT) is -10 dBV.
- LTC sync is now implemented (**SETUP:Sync:TcSrc:LTC-Jam Contin and LTC-Chase**).
- Varispeed is now implemented. Values can be entered in percent or in semitones. The SDR24/96 sample clock must be set to "INTERNAL" to use Varispeed.
For 44.1 kHz and 88.2 kHz sample rates:
+19.75% to -12.94 % (3.12 sem to -2.40 sem)
For 48 kHz and 96 kHz sample rates:
+10.00% to -20.00% (1.65 sem to -3.86 sem)
- The Format Disk function is now implemented (**SETUP:Page Right:Disk:Format**). Disks are partitioned as a single drive and formatted using a FAT32 file system.
- The System Load meter is now implemented (**SETUP:Page Right:System:Load**).
- The Copy Project function (**PROJECT:Page Right:Copy**) now includes a progress indicator and a cancel option.
- The file system performance has been accelerated. The Save process after recording is approximately 20 times faster.
- Fixed a problem with incorrectly playing back audio in a cut region.

KNOWN ISSUES AS OF VERSION 1.2.1

Although we have worked hard to make the SDR24/96 as complete as possible, as with many complex software-based products, some issues have not yet been resolved in the current release. We have included a list of these issues, along with workarounds where applicable. Mackie will periodically release SDR24/96 software updates as these issues are resolved and implemented. Check the Mackie website often for software updates.

1. **Issue:** The Disk options Mount Drive and Defrag Drive are not implemented. Attempting to access these Disk options in the Setup Menu results in "Not yet implemented..." appearing in the display.
Workaround: None, for now.
2. **Issue:** The Mackie Media PROJECT (ORB) drive is not yet supported.
Workaround: None, for now.