

1-Bit MOBILE RECORDER

MR-1

System Version 1.5

Update Guide

KORG

Thank you for purchasing the Korg MR-1 1-bit mobile recorder. We have updated the MR-1, adding new features to increase its functionality, and so that it will be even easier to use. Because of this update, some operations will be different than as described in the original owner's manual, so please refer to this update guide together with the manual.

Contents

- Shortcuts from the level meter screen 3**
 - When recording 3
 - When playing / When stopped 3
- Recording-related additions 4**
 - MP3 has been added to the recording formats 4
 - Stereo added to the recording settings 4
 - Change in the screen while recording 5
- Changes in the level meter screen 5**
 - Icons added to indicate the play mode 5
 - Change in the level meter screen for 1-bit format 5
- Additions and changes for the system menu 5**
 - "2 sec" added as a backlight setting 5
 - LCD contrast reset function 6
 - Change in hard disk format operation 6
 - Name change for system update 6
 - System setting reset (factory reset) function added 6
- Changes in the library select screen 7**
 - Unsupported files are now hidden 7
 - Scroll display function has been added 7
 - Sort function (alphabetical) added 7
 - Change in MENU button operation 7
- Other additions and changes 8**
 - Meter/counter screen moved to the menu list 8
 - "∞" added to the meter/peak hold settings 8
 - Quick Play function added 8
 - Specification change for the rewind button 8
 - Change in the "unprotected" icon 9
 - Mark jump function added, with caution 9
 - Information about charging time 9

Shortcuts from the level meter screen

New shortcuts have been added, making it easier to access screens relevant to the current function. For example, the explanation in "Level meter screen and menu list (MENU) screen" (owner's manual p.9) states that "when the display shows the level meter screen, pressing the P-dial will show the meter setting screen," but this has been changed as follows.

When recording

If the recorder is recording or in record-ready mode (the record LED blinking), pressing the P-dial will access the recording level setting screen (owner's manual p.16 "Manually adjusting the recording level").

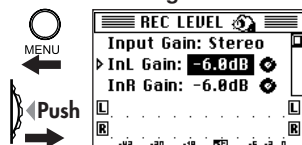
Menu list screen



Level meter screen



Recording level screen



When playing / When stopped

If the recorder is playing, paused, or stopped, pressing the P-dial will cause a different screen to appear, depending on the play mode (owner's manual p.31).

note By holding down the P-dial you can move to the Play mode setting screen (owner's manual p.31).

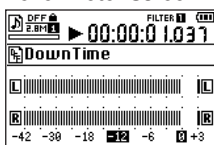
If the play mode is "Current Proj/File" or "Current Folder"

Pressing the P-dial will access the current folder's library select screen (owner's manual p.18, "Selecting and playing back a project/file").

Menu list screen



Level meter screen



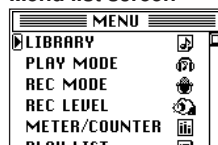
Library select screen



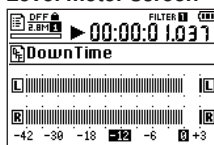
If the play mode is "Play List"

Pressing the P-dial will access the play list screen (owner's manual p.34, "Editing a play list").

Menu list screen



Level meter screen



Play list screen



Recording-related additions

MP3 has been added to the recording formats

MP3 has been added as a project/file format that you can record and play.



In this product installed are MP3 encoder "ISC-MP3 BF532 eKorg" and MP3 decoder "ISC-MP3 BF532 d Korg" developed by Institute of Super Compression Technologies, Inc. (ISCT), Japan.

What is MP3?

This is an audio file format that achieves a high compression ratio using an irreversible compression method that omits the data that is difficult for humans to perceive. The name is an abbreviation of MPEG1 Audio layer 3 (file extension .mp3), and is a format commonly used in computers and portable digital audio devices.

For recording

When selecting the recording format (owner's manual p.16), you can now select MP3 format with a sampling rate of 44.1 kHz and 192 kbps bit rate. The recorded MP3 project is saved in the MP3_PROJ folder. (See owner's manual p.44 "Supported folders and file names.") With this format you can record approximately 600 minutes per 1G of hard disk capacity.

For playback

You can play back MP3 files that have a sampling frequency of 44.1 kHz or 48 kHz and a bit rate of 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, or 320 kbps once they have been imported into the AUDIO folder using the USB mode.



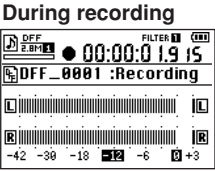
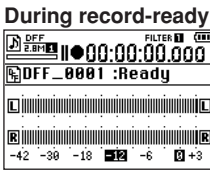
Stereo added to the recording settings

When you set "Input Gain" to "Stereo," in the recording level setting screen (owner's manual p.16 "Manually adjusting the recording level"), adjusting the gain of either the L or R will set both sides to the same recording level. In conjunction with this, the indication for the "Manual" setting has been changed to "Indiv."



Change in the screen while recording

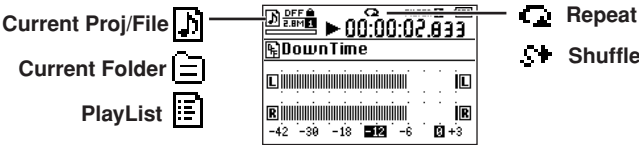
The screen display while in the record-ready state and during recording has been changed.



Changes in the level meter screen

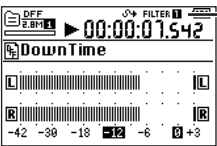
Icons added to indicate the play mode

The current play mode is now shown by icons in the level meter screen.




Change in the level meter screen for 1-bit format

When using 1-bit format, the level meter value "-12" icon has been changed (see the above illustration). This clarifies the position of the reference level. Moreover, the setting of the DSD filter is now shown by icon (owner's manual p.41).



DSD FILTER
FILTER 1 :Type1
FILTER 2 :Type2
FILTER 3 :Type3

Additions and changes for the system menu

 The system menu items have been rearranged in conjunction with the additions and changes.

"2 sec" added as a backlight setting

In the system setting screen, "2 sec" (two seconds) has been added as a duration for the backlight setting (owner's manual p.26).

LCD contrast reset function

If the screen is difficult to read, it can be difficult to navigate back to the LCD contrast parameter in the system menu to adjust it. Instead, you can hold down the MENU button to set the system setting screen "LCD Contrast" parameter to a value of "4" (owner's manual p.38). This function is available from meter screen, system setting (SYSTEM) screen and menu list (MENU) screen.

Change in hard disk format operation

The specifications have been changed so that executing the system menu "HDD Format" command (owner's manual p.39) will no longer reset the system settings. When you execute formatting, the MRPlayList.txt file and all projects/files in the MR_PROJ and AUDIO folders of the hard disk will be erased. (See owner's manual p.44 "Hard disk structure and files.")

note If you want to reset the system settings, use the system menu "Factory Reset" command.

Name change for system update

The system menu "Load System" command (owner's manual p.40) has been renamed to "Software Update." The procedure has not changed.

System setting reset (factory reset) function added

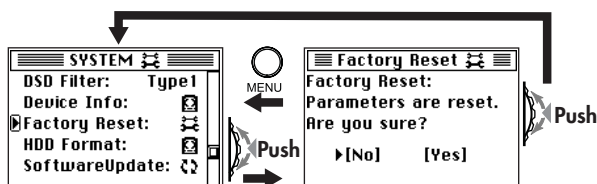
A "Factory Reset" command that resets the system settings has been added to the system menu. This lets you restore the MR-1's settings to the factory-set condition.

1. **Press the menu button, and from the menu list (MENU) screen, use the P-dial to select and confirm "SYSTEM."**

The system setting (SYSTEM) screen will appear.

2. **Use the P-dial to select and confirm "Factory Reset."**

3. **The screen will indicate "Factory Reset. Are you sure?"**



4. **Use the P-dial to select and confirm [Yes].**

If you decide not to execute this command, use the P-dial to select and confirm [No]. (Alternatively, press the menu button.) The display will return to the system setting (SYSTEM) screen.

5. **When the system settings have been reset, the display will return to the system setting (SYSTEM) screen.**

Changes in the library select screen

Unsupported files are now hidden

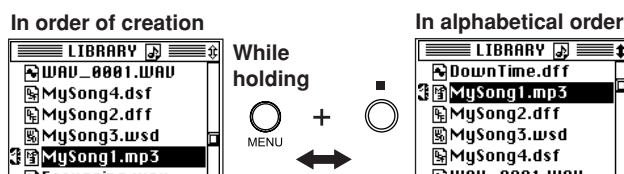
Supported audio files in the AUDIO folder (owner's manual p.36) are displayed, but other files are now hidden.

Scroll display function has been added

If the selected file name is too long to be shown in the screen, it will now scroll automatically.

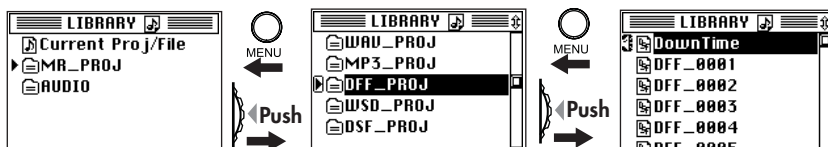
Sort function (alphabetical) added

Until now, the projects/files in each folder of the library select screen were shown in order of creation (FAT order), but they can now be shown sorted in alphabetical order. While holding down the MENU button, press the stop button to toggle the library sorting method between alphabetical order and the order of creation.



Change in MENU button operation

Starting from the library select screen, each press of the P-dial advances to the next screen, and now each press of the MENU button will revert back to the previous screen.



Other additions and changes

Meter/counter screen moved to the menu list

When the display is showing the level meter screen, pressing the P-dial will no longer take you to the meter/counter screen. Therefore, the "Meter/Counter" screen has been added to the menu list.



"∞" added to the meter/peak hold settings

For the Meter Peak Hold (peak indication hold time) setting in the meter/counter screen (owner's manual p.24), you can now select "∞" (continue holding) (see preceding illustration).

To reset the peak indication, press the MENU button while you're in the meter/counter screen.

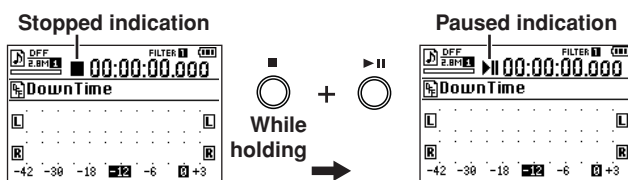
Quick Play function added

When you press the play/pause button, the MR-1 will load data and begin playing (owner's manual p.13 "Playback"). This means that there will be a slight time lag from the moment you press the button until playback begins.

The newly added Quick Play function is convenient when you need playback to start immediately upon pressing the play/pause button.

1. While stopped, hold down the stop button and then press the play/pause button.

The recorder status indication in the level meter screen will be Pause.



2. Press the play/pause button.

The instant you press the button, playback will begin from the location at which you are currently stopped.

Specification change for the rewind button

If you are playing or paused when the current play mode is "Current Folder" or "Play List," pressing the rewind button will return you to the beginning of the currently-playing project/file. If you are stopped or playing within several seconds of the beginning, you will move to the preceding project/file. (Refer to owner's manual p.18 "Selecting and playing back a project/file.")

Change in the "unprotected" icon

In the project/file setting screen, the icon that indicates the unprotected status has been changed to make its meaning more obvious (🔒 → 🔓). (See owner's manual p.29 "Protecting a project.")

Mark jump function added, with caution

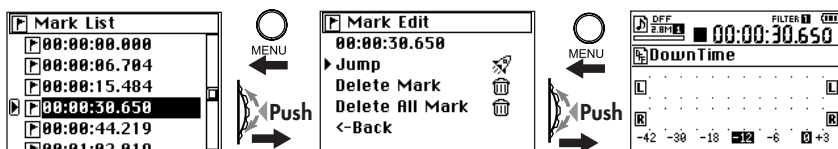
In the Mark Edit screen, a "Jump" function has been added, along with a caution for when registering or editing marks that depend on the project format. (See owner's manual p.22 "Editing marks.")

Mark jump

1. Use the P-dial to select and confirm the move-destination mark in the Mark List screen.

The Mark Edit screen will appear.

2. When you select and confirm "Jump," the current location will move to the mark time location and the display will automatically return to the meter screen.



You can also edit the time location of a mark (owner's manual p.22 "Editing the time location of a mark") and then select and confirm "Jump" to move to the newly edited mark time.

Caution when registering a mark and editing the time (owner's manual p.21 and 22)

For a WAV, DFF, or WSD project, you can register and edit marks at any time location; however for a DSF project, you can only register and edit marks at a minimum interval of approximately 11.6 ms.

For an MP3 project, you can only register and edit marks at a minimum interval of 26.1 ms. When you edit the time location, it will automatically be adjusted to the closest location that satisfies these conditions.

Information about charging time

Because the MR-1 contains a high-capacity rechargeable battery, it will take some time to recharge. When the battery icon is showing empty, it will take five or six hours to recharge to a full state (when the power is off).

- ⚠ When using the unit for the first time, or if you leave the unit for an extended period with the battery empty, it will take approximately eight hours (with the power off) for full recharging to occur.
- ⚠ To prevent overcharging, the MR-1 will stop charging after six hours. If you need to charge it for longer than six hours, disconnect the AC adaptor from the DC5V connector after six hours, and then reconnect it.

