Contents

1 – Introduction ................................................................. 4
   Features ........................................................................ 4
   Conventions used in this manual .................................... 4
   About SD cards ............................................................. 5
   Precautions ................................................................... 5

2 – Names and functions of parts ....................................... 6
   Top panel ........................................................................ 6
   Front panel ...................................................................... 7
   Left side panel .............................................................. 7
   Right side panel ........................................................... 7
   Bottom panel .................................................................. 8
   Home Screen ................................................................... 8
   Recording Screen .......................................................... 9
   Menu item list ............................................................... 10
   Using menus .................................................................... 11
   Basic operations ........................................................... 11

3 – Preparation .................................................................. 12
   Powering the unit .......................................................... 12
      Power sources .......................................................... 12
      Using AA size batteries .............................................. 12
      Using an AC adapter ................................................. 12
      Charging the outlet plug ........................................... 12
      Using an external battery pack (sold separately) ........ 13
      Using USB bus power ............................................... 13
   Turning the power on and off (standby mode) ............... 13
      Starting up the unit .................................................... 13
      Shutting down (standby mode) ................................... 14
      Resume function ....................................................... 14
   Setting the date/time ..................................................... 14
   Inserting and removing SD cards ................................. 14
      Inserting the SD card ................................................ 14
      Removing the card .................................................... 14
      SD card write protection switches ............................. 15
   Preparing an SD card for use ........................................ 15
   Turning the built-in speaker on/off ............................... 15
   Connecting a monitor device ....................................... 15
   Adjusting the playback volume .................................... 16
   Input settings ............................................................... 16
      Recording with the built-in microphone .................... 16
      Recording with an external microphone (EXT MIC IN) 16
      Recording from an external device (LINE IN) ............ 16
   Selecting Operation Mode ............................................. 17
      Setting a mode ........................................................ 17
      Checking mode ....................................................... 17
      Attaching the grip .................................................... 17
      Attaching the shoe mount adapter ............................ 17

4 – Recording .................................................................... 18
   Overview of recording modes ....................................... 18
   Set where to save the file .............................................. 18
   Select the file format and sampling frequency (4CH mode only) .................................................. 18
   Adjusting the input level .............................................. 19
   Set the input gain ........................................................ 19
   Using phantom power .................................................. 19
   Settings in the “INPUT SETTING” screen ..................... 20
      Setting channel links (4 CH mode only) ...................... 21
      Set the track input (MTR mode only) ......................... 21
      DELAY setting ....................................................... 22
      Set the low-cut filter ............................................... 22
      Using the level control function ............................... 23
   Record in 4 CH mode (4 CH mode only) ....................... 23
   Record 4 channels ...................................................... 23
   File names when recording in 4-channel ...................... 23
   Record in MTR mode (MTR mode only) ....................... 24
   Switch files during recording (track increment, available in 4 CH mode only) ................................. 24
      Manual track increment during recording ................... 24
      Automatic track increment at specified time ............... 24
   Recording automatically (AUTO REC) (4 CH mode only) 25
      Start recording a moment before pressing RECORD (PRE REC, 4CH mode only) ............................ 25
      Self-timer function .................................................. 26
   Simultaneously recording two files with different input levels/formats (DUAL REC, 4CH only) ............. 26
      Enabling dual recording .......................................... 26
      Starting dual recording .......................................... 27
      Dual recording file names ........................................ 27
   Create cue marks during recording ......................... 27
      Manual cue marking during recording ...................... 27
   Add cue marks automatically during recording ......... 28
   Moving to the cue mark position ............................... 28
   Use MS microphone ................................................... 29
   Punching in/out (MTR mode only) ............................... 29
   Punching in/out manually ......................................... 29
   Punching in/out automatically (AUTO PUNCH) .......... 29
   Recording duration ................................................... 31

5 – Operating Files and Folders (4 CH Mode Only) .............. 32
   Screen navigation ....................................................... 32
   Icons on the BROWSE screen ..................................... 32
   File operations .......................................................... 32
   Folder operations .......................................................... 33
   Creating a new folder .................................................. 33

6 – Managing Songs (MTR Mode only) ............................... 34
   Song Operation .......................................................... 34
   Loading Songs ............................................................ 34
   Creating a New Song .................................................. 35
   Changing the Song Name (V1.10 supported) .............. 35
   Deleting songs ............................................................ 36

7 – Playback ..................................................................... 37
   Playback ................................................................. 37
   Pausing ....................................................................... 37
   Stopping ...................................................................... 37
   Fast-rewinding and fast-forwarding (search) ............... 37
   Moving the playback position .................................... 37
   Selecting a playback file (skip) .................................... 37
   Special Playback Control Functions ............................ 37
   Playback Control Screen ............................................ 37
   Repeated Playback of Selection (Loop Playback) ........ 38
   Clearing IN and OUT points only ............................... 38
   Changing the playback speed (VSA) ........................... 38
   Key control playback .................................................. 39

8 – QUICK Button Operation ............................................. 40
   QUICK button overview ............................................ 40
   Quick menu operation ................................................ 40
   Closing the Quick menu ............................................ 41
   Deleting the selected file (Quick Delete, only when in 4CH mode) .................................................. 42
   Dividing the selected file (4CH mode only) .................... 42
   Dividing the selected file manually (DIVIDE) ............... 42
   Dividing the selected file automatically (AUTO DIVIDE) 43
   Deleting track input (MTR mode only) ....................... 43
Contents

9 – Mixer ................................................................. 46
Setting the mixer ...................................................... 46

10 – Useful functions ................................................ 47
Tuner function (compatible with V1.10) ...................... 47
Chromatic tuner ....................................................... 47
Oscillator mode ......................................................... 47
Metronome function (compatible with V1.10) .............. 48
Reverb function ......................................................... 48
Setting the reverb function ....................................... 48
Reverb type pre-set list ............................................. 49

11 – Connecting with a computer .............................. 50
Transferring files to a computer .................................. 50
Transferring files from a computer ............................. 50
Disconnecting the unit from a computer ....................... 50

12 – Using Wi-Fi ......................................................... 51
Connect the unit and smart phone via Wi-Fi ................. 51
How to download and install the exclusive application (TASCAM DR CONTROL) ........................................ 51
Connecting the DR-44WL to a smart phone via Wi-Fi for the first time ..................................................... 51
Connecting the DR-44WL to a smart phone via Wi-Fi (from second time onward) ........................................ 52
Using a smart phone to remote control the DR-44WL .... 53
File transfer from the DR-44WL to a smart phone .......... 53
Connecting this unit to a computer by Wi-Fi ................. 53
Downloading and installing the TASCAM DR FILE TRANSFER software .................................................... 53
Connecting this unit to a computer by Wi-Fi for the first time ....................................................................... 53
Connecting this unit to a computer by Wi-Fi after the first time .................................................................... 54
Transferring files from the unit to a computer ............... 54
Changing password .................................................... 54

13 – Settings and Information .................................... 55
View information (INFORMATION) ............................ 55
File information page (PROJECT) (4 CH mode only) ...... 55
Card and system information page (CARD/SYSTEM) .... 55
Configuration (SYSTEM) ............................................. 56
Setting the file name type .......................................... 56
Restoring the DR-44WL to factory settings .................. 56
Completely format a SD card ....................................... 56
Power and display settings (POWER/DISPLAY) ............ 57
Auto power save function setting ................................ 57
Battery type settings ............................................... 57
Set the voltage value of the phantom power supply ....... 57
Backlight setting ....................................................... 57
Adjusting the display contrast ..................................... 57
Set the peak hold ...................................................... 57

14 – Messages ........................................................... 58

15 – Troubleshooting ................................................ 59

16 – Specifications .................................................... 60
Rating ........................................................................ 60
Input/output ratings .................................................. 60
Analog audio input and output ratings ......................... 60
Control input/output ratings ....................................... 60
Audio performance .................................................... 60
Requirements for connected computers ...................... 60
Wi-Fi ........................................................................ 60
General ..................................................................... 61
Dimensional drawings ................................................. 61
TASCAM DR-44WL

1 – Introduction

Features

- Compact audio recorder that uses SD/SDHC/SDXC cards as recording media
- Built-in with high performance directional stereo microphones in XY positions
- Mid-side decoding function can be used with MS microphones
- Simultaneous recording of up to four channels is possible
- Built-in four-track MTR feature
- Built-in Wi-Fi feature to use smartphone as remote control, transfer files from the PCM recorder, and play back audio
- 44.1/48/96 kHz, 16/24-bit, linear PCM (WAV format) recording possible
- Compatible with the BWF format
- 32–320 kbps MP3 format recording possible (compatible with ID3 tag v2.4)
- The dual recording feature allows two files to be recorded simultaneously at different levels
- Supports dual format recording (WAV/MP3)
- Built-in 0.3 W monaural output monitor speaker
- Built-in effector (reverb) function can be used during recording and playback
- Auto-record function starts recording automatically when a set sound input level is detected
- Track incrementing function allows you to update a file at a preset time or at desired position without interrupting recording
- Pre-recording (PRE REC) function allows the unit to record the 2 seconds of sound before recording is activated
- Peak reduction function is available to reduce the level automatically in case of excessively large input
- Limiter function is available to reduce the level automatically in case of excessively large input
- Low-cut filter conveniently reduces low-frequency noise
- VSA function can change the playback speed in the range from 0.5 to 2.0 times (in 0.1 increments) the normal speed without changing pitch
- IN-OUT loop playback functions

Conventions used in this manual

In this manual, we use the following conventions:

- When we refer to buttons, connectors and other parts of this unit and other equipment, we use a bold font like this: MENU button.
- When we show messages, for example, that appears on the unit's display, the typeface looks like this: REPEAT.
- Highlighted area on the DR-44WL display is indicated as a “cursor”.
- SD/SDHC/SDXC memory cards are referred to as “SD cards”.
- Words that appear on the computer display are shown in quotation marks like this: “DR-44WL”
- The selected folder is indicated as the “current folder”.
- A computer or a smartphone that is connected with the DR-44WL via Wi-Fi is referred to as the “Wi-Fi device”.
- Additional information is provided as “tips”, “notes”, and “caution” as required.

TIPS
These are tips about how to use the unit.

NOTE
These provide additional explanations and describe special cases.

CAUTION
Failure to follow these instructions could result in injury, damage to equipment or lost recording data, for example.

This product has a Blackfin® 16/32-bit embedded processor made by Analog Devices, Inc. This processor controls digital signal processing. Inclusion of this Blackfin® processor in the product increases its performance and reduces its power consumption.
About SD cards

This unit uses SD cards for recording and playback. You can use 64 MB to 2 GB SD cards, 4 GB to 32 GB SDHC cards, and 48 GB to 128 GB SDXC cards with this unit. A list of SD cards that have been confirmed for use with this unit can be found on the TEAC Global Site (http://teac-global.com) or contact the TASCAM customer support service.

Precautions

SD cards are delicate media. Please refer to the below when using memory cards to prevent memory and/or card damage:

- Do not leave a memory card in extremely hot or cold places
- Do not leave a memory card in extremely humid places
- Do not spill any liquids on the memory card
- Do not bend the card or subject it to any excessive force
- Do not subject the card to any physical shock
- Do not remove the card while the unit is accessing data, or recording, playing, or making data transfer
- Always store the memory card in a case
2 – Names and functions of parts

Top panel

1 **Built-in stereo microphone (INT R/INT L)**
   This is an XY directional stereo electret condenser microphone.
   On this unit, the mic that appears behind and on the left in the illustration is called INT R and the mic in front on the right is called INT L.

2 **PEAK indicator**
   Lights (red) when the input volume is too high (−2 dB).

3 **Display**
   Displays a variety of information.

4 **TRACK/INPUT button**
   During recording standby (4 CH mode) or when stopped (MTR mode), press this button to select the channel (track) to record.
   When the **INPUT LEVEL** setting screen pops up, press this button to select the channel (track) for adjusting the input level.
   When the **INPUT SETTING** screen is open, press these buttons to show channels (tracks) to set.

5 **■/HOME button**
   If you want to pause, press the button again.
   Press this button during pause time to return to the beginning of the file.
   Press this button during recording or recording standby to cause the recording to stop.
   To return to the Home screen, press this button in any screen display. Use this button to select “NO” to a confirmation message.

6 **⏪⏪ button**
   During playback or when stopped in the middle of a file, press to return to the beginning of the file.
   When the IN and OUT points are set between the current position and the end of the playback file, pressing this button skips to those points.
   If you press this button when a track is stopped at its beginning, the unit will skip to the beginning of the previous track.
   Press and hold this button to search backwards.

   Press this button while pressing and holding the ENTER/MARK button to return to the previous mark.
   On the setting screens, use this button to move the cursor left.
   On the BROWSE screen, press this button to move up a level.

7 **▷/II button**
   To start playback in the Home screen, press this button while in stop mode.
   If you want to pause, press the button again.
   When a file or folder is selected on the BROWSE screen, press this button to return to the Home screen and play the file or the first file in the folder from the beginning.

8 **MENU button**
   When the Home screen is displayed, press this button to open the MENU screen.
   Press this button to return to the MENU screen from the various setting screens.
   When the MENU screen is open, press this button to return to the Home screen.

9 **MTR indicator**
   Lights up when the operation mode is in MTR mode.

10 **MIXER button**
   Press this button to open the MIXER screen.
   When the MIXER screen is open, press this button to return to the Home screen.

11 **RECORD button/RECORD indicator**
   **4CH mode:**
   When stopped, press this button to put the unit into recording standby. The RECORD indicator will start to blink.
   When in standby, press this button to start recording. The RECORD indicator lights when recording.
   Press when recording to pause recording. The RECORD indicator will start to blink.
   **MTR mode:**
   When stopped or playing back, press this button to start recording. The RECORD indicator lights when recording.
   When recording, this button does not function.

12 **⏩⏩ Fast forward button**
   Press this button in playback or stop mode to skip to the next track.
   When the IN and OUT points are set between the current position and the end of the playback file, pressing this button skips to those points.
   Press and hold this button for fast forward search.
   On the setting screens, use this button to move the cursor right.
   Press this button while pressing and holding the ENTER/MARK button to move forward to the next mark.
   On the BROWSE screen, press this button to move down a level. If a file is selected, the file is loaded and the unit returns to the Home screen.

13 **INPUT button**
   Press this button to open the INPUT SETTING screen.
   When the INPUT SETTING screen is open, press this button to return to the Home screen.

14 **ENTER/MARK button**
   Use this button to confirm selections or select “YES” to a confirmation message.
   Press this button during recording to add a mark manually. (See "Manual cue marking during recording" on page 27.)
   While pressing and holding this button during playback, press the ⏪⏪ button to return to the previous mark or...
press the ▶ button to move forward to the next mark. (See “Moving to the cue mark position” on page 28.) When the PLAY FUNCTION screen is open, use this button to set the IN (start) and OUT (end) points of the interval that you want to set for loop playback. When the IN (start) and OUT (end) points are already set, press this button to clear the IN and OUT points.

**QUICK button**
When the Home screen, PLAY FUNCTION screen, BROWSE screen or SONG screen is open, press this button to pop up the quick menu. (See “QUICK button overview” on page 40.)

**Wheel**
This is used to select items or change value on setting screens. Also used to change the playback position in a file.

---

**Front panel**

- **Wi-Fi indicator**
  Indicates the status of wireless LAN.  
  - Lights out: OFF  
  - Blinks: Waiting to be connected  
  - Lights up: Operable from the exclusive application (TASCAM DR CONTROL)

- **EXT MIC/LINE IN 1/L / 2/R jack (XLR/TRS)**
  These are balanced analog XLR/TRS combo jacks for microphone and line level inputs.  
  - XLR (1: GND, 2: HOT, 3: COLD)  
  - TRS (Tip: HOT, Ring: COLD, Sleeve: GND)

**CAUTION**
- Confirm that phantom power is OFF before connecting a line level device to these EXT MIC/LINE IN jacks. If you connect a line level device while phantom power is being supplied, that device and this unit could be damaged.
- When connecting to or disconnecting a condenser microphone from the EXT MIC/LINE IN jack, confirm that the phantom power for that jack is OFF. If you connect or disconnect a microphone while phantom power is being supplied, that microphone and this unit could be damaged.
- Do not connect an unbalanced dynamic microphone to an XLR connector when phantom power is being supplied. Doing so could damage that microphone and this unit.

---

**Right side panel**

- **EXT IN switch**
  Set the gain for the EXT MIC/LINE IN jack and whether phantom power is on or off.

**CAUTION**
- Confirm that phantom power is OFF before connecting a line-level device to the EXT MIC/LINE IN connector. If you connect a line-level device while phantom power is being supplied, that device and this unit could be damaged.
- Do not connect or disconnect mics when the phantom power switch is set to ON. Doing so could cause a loud noise and might damage this unit and connected equipment.
- Turn phantom power ON only when using a condenser microphone that requires phantom power. Turning phantom power on when a dynamic mic or other mic that does not require it is connected could damage this unit and connected equipment.
- When using condenser mics that require phantom power and dynamic mics together, be sure to use balanced dynamic mics. Unbalanced dynamic mics cannot be used when phantom power is enabled.
- Supplying phantom power to some ribbon mics could break them. If you are unsure, do not supply phantom power to a ribbon mic.
- When using USB bus power, the unit might not be able to supply phantom power depending on the computer. If this occurs, use the included AC adapter (GPE053B).
- Some condenser microphones will not operate when phantom power is set to +24V.
- Do not connect or disconnect the AC adapter when using phantom power. Doing so could cause the unit to turn off even when batteries are installed in it. This can result in recording data being damaged or lost.
2 – Names and functions of parts

INPUT LEVEL button
Press this button to show the INPUT LEVEL setting screen on the display as a pull-down menu.
When the INPUT LEVEL setting screen is shown, press this button to close the pull-down menu.

INPUT LEVEL volume
When the INPUT LEVEL setting screen is shown, use this to adjust the input level.

USB port
Use the supplied USB cable to connect the DR-44WL with a computer. (See “11 – Connecting with a computer” on page 50.)
Power can be supplied through the USB cable included within this unit package or the dedicated AC adapter (GPE053B) supplied with this unit.

CAUTION
Connect the DR-44WL directly be connected directly with the computer, not through a USB hub.

Bottom panel

Built-in mono speaker
Use this built-in speaker to listen to recordings. No sound will play when:
- In recording standby
- Headphone is connected
- In recording mode
- Speaker output setting is turned off

Tripod attachment screw-hole (1/4 inch)
A tripod can be attached to the DR-44WL.

CAUTION
- Ensure the tripod or microphone stand screws are securely fastened to prevent the unit from falling off.
- When attaching this unit to a tripod or microphone stand, ensure to place it on a level surface.
- Some tripods have different screw specifications that make direct connection impossible. Use a commercially-available adapter with such tripods.

Battery compartment cover

Strap holder
A strap can be attached to this holder.

Battery compartment
Insert four AA batteries into the compartment to power the unit. (See “Using AA size batteries” on page 12.)

Home Screen

Playback speed status display
One of the following icons appears according to the playback speed setting.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Playback speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>Playback speed not changed</td>
</tr>
<tr>
<td>×1.1 – ×2.0</td>
<td></td>
</tr>
<tr>
<td>×0.5 – ×0.9</td>
<td></td>
</tr>
<tr>
<td>×0.8 – ×1.0</td>
<td>When the playback speed cannot be changed</td>
</tr>
</tbody>
</table>

Display of the key control function on/off status
This icon shows whether the key control function is on or off.
2 – Names and functions of parts

<table>
<thead>
<tr>
<th>Icon</th>
<th>On/off status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>Key control function off</td>
</tr>
<tr>
<td>KEY</td>
<td>Key control function on</td>
</tr>
<tr>
<td>KEY?</td>
<td>Key control function on (setting disabled state)</td>
</tr>
</tbody>
</table>

3 Reverb on/off status display
This icon shows the reverb on/off status.

<table>
<thead>
<tr>
<th>Icon</th>
<th>On/off status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>Reverb is off</td>
</tr>
<tr>
<td>REVERB</td>
<td>Reverb is on (sound effects recording) INT MIC, EXT IN</td>
</tr>
<tr>
<td>REVERB</td>
<td>Reverb is on (SEND status) MIX</td>
</tr>
</tbody>
</table>

4 Speaker output display
• displayed: Speaker output on
Blank: Speaker output off

5 Phantom power supply display
Blank: No phantom power supply
48V : 48V phantom power supplied
24V : 24V phantom power supplied

6 Power supply status message
When power is supplied from the batteries, the current battery level is displayed in bars ( ).
When the battery level is low, the icon will flash and the power will be switched off (standby mode).
When the dedicated AC adapter (GPE053B) supplied with the product or USB bus power is used, appears.

NOTE
When attempting recording or other operations that consume large amount of power, a warning message of Battery Low may pop-up.

7 Recorder status message
The recording status is indicated in the following icons:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
<tr>
<td>▪</td>
<td>Pause</td>
</tr>
<tr>
<td>▶</td>
<td>Playback</td>
</tr>
<tr>
<td>▶▶</td>
<td>Fast-forwarding</td>
</tr>
<tr>
<td>▼</td>
<td>Fast-rewinding</td>
</tr>
<tr>
<td>▶▶</td>
<td>Skip forward to the beginning of the next file</td>
</tr>
<tr>
<td>▼</td>
<td>Skip backward to the beginning of either the current or preceding file</td>
</tr>
</tbody>
</table>

8 Loop playback setting status display
During loop playback, the icon is displayed.

9 Filename/song name display
When the 4CH mode is selected, the name or tag information of a file being played back is shown.
The ID3 tag information is displayed instead when included in the MP3 file.
When there are multiple files in the 4CH mode, only the format portion of each of the file names and the basic number of a recording file are displayed. When a single file is recorded, its name is shown.
When the MTR mode is selected, the name of an opened song is shown.

NOTE
ID3 tag information contains titles and artist names, which can be stored in MP3 files.

10 Loop playback IN (starting) and OUT (ending) points setting status
The IN (starting) and OUT (ending) points-setting state of the loop playback is shown.
When the IN (starting) point is set, the icon appears at the set position on the playback position-displaying bar.
The icon appears at the playback position on the bar when the OUT (ending) point is set.

11 Playback position display
The current playback position is shown by a bar. As playback progresses, the bar extends to the right.

12 Level meter guide display
This is a level meter guide for adjusting the input and output levels. It is displayed at the “−12 dB” position of the scale.

13 Level meter
This meter displays the level of an input sound or that of a playback sound.

14 File status display
The file state is displayed in different ways, depending on the type of a file to be played back.
Stereo file status
Two mono files status
No file

15 Elapsed time display
Displays the elapsed time (hours: minutes: seconds) of the current file.

16 Remaining time display
Displays the remaining time (hours: minutes: seconds) of the current file.

17 Peak value displayed in decibel (dB)
Displays the maximum playback level in decibel reading per set amount of time.

Recording Screen
The following recording screen is displayed in recording or recording standby mode.

Recording screen in the 4 CH mode
2 – Names and functions of parts

Display of the dual recording function on/off status (4CH mode only)
Blank: dual recording function off
●●: dual recording function on

Reverb on/off status display
This icon shows the reverb on/off status.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>Reverb is off</td>
</tr>
<tr>
<td>flip</td>
<td>Reverb is on (sound effects recording) INT</td>
</tr>
<tr>
<td>flip</td>
<td>Reverb is on (SEND status) MIX</td>
</tr>
</tbody>
</table>

Phantom power supply display
Blank: No phantom power supply
48V: 48V phantom power supplied
24V: 24V phantom power supplied

Recording status message
The recording status is indicated in the following icons:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>● ll</td>
<td>Recording standby or recording pause mode</td>
</tr>
<tr>
<td>●</td>
<td>In recording mode</td>
</tr>
<tr>
<td>●</td>
<td>Self-timer recording activated</td>
</tr>
</tbody>
</table>

Display of the setting status of the PRE REC or Auto REC function (4CH mode only)
When the PRE REC function is ●, the P icon appears. When the AUTO REC function is ●, the A icon appears.

Filename/song name display
Displays the file name automatically assigned to the recording file.
When there are multiple files in the 4CH mode, only the format portion of each of the file names and the basic number of a recording file are displayed. When a single file is recorded, its name is shown.
When the MTR mode is selected, the name of an opened song is shown.

Level meter guide display
This is a level meter guide for adjusting the input and output levels. It is displayed at the “-12 dB” position of the scale.

Level meter
Displays the input sound level.

File status display
The file state is displayed in different ways, depending on the type of a file to be recorded.

- ●: Stereo file status
- ●●: Status of two mono files

Elapsed recording time
Displays the elapsed recording time of a recorded file (hours: minutes: seconds).

Remaining recording time
The remaining time left on the SD card is shown in hours: minutes: seconds.

Peak decibel (dB) message
Displays the peak input level in decibel reading.

Auto punch in/out function on/off status or master track loading status (MTR mode only)
No icon: auto punch in/out function off
PUNCH: auto punch in/out function on
MASTER: master track loaded

Menu item list
Press the MENU button to open the MENU screen. Menu items are as follows:

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Function</th>
<th>Ref. page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODE</td>
<td>Switch the operation mode of this unit.</td>
<td>page 17</td>
</tr>
<tr>
<td>REC SETTING</td>
<td>Make recording settings.</td>
<td>page 18</td>
</tr>
<tr>
<td>AUTO FUNCTION</td>
<td>Set different recording functions.</td>
<td>page 24</td>
</tr>
<tr>
<td>AUTO FUNCTION</td>
<td></td>
<td>page 25</td>
</tr>
<tr>
<td>BROWSE</td>
<td>SD card file and folder operations.</td>
<td>page 26</td>
</tr>
<tr>
<td>SONG</td>
<td>Operate songs on the card.</td>
<td>page 29</td>
</tr>
<tr>
<td>TOOLS</td>
<td>Configure settings for different functions</td>
<td>page 32</td>
</tr>
<tr>
<td>REVERB</td>
<td>Configure reverb settings.</td>
<td>page 34</td>
</tr>
<tr>
<td>POWER/DISPLAY</td>
<td>Set the power and the display</td>
<td>page 35</td>
</tr>
<tr>
<td>SYSTEM</td>
<td>Various system settings</td>
<td>page 36</td>
</tr>
</tbody>
</table>
Using menus

The following explains the menus, using the display contrast setting as an example.

1. Press the **MENU** button to open the **MENU** screen.

   ![MENU screen]

2. Use the **wheel** to select a menu item (highlighted), and press the **ENTER/MARK** or **►►」** button to move to various settings screens.

   ![settings screen]

3. Use the **wheel** to select an item to set (highlighted).

   ![settings screen]

4. Press the **ENTER/MARK** or **►►」** button to move the cursor to highlight the setting.

   ![settings screen]

5. Use the **wheel** to change the setting.

6. Press the **ENTER/MARK** or **◄◄」** button to set a different item in the same menu.

   This enables you to select a new item. Use the **wheel** to select an item to be set (highlighted).

7. Repeat the 3. to 6. steps to set each items, as necessary.

8. Press the **MENU** button to return to the **MENU** screen.

   Press the **■/HOME** button to return to the Home screen.

Basic operations

Use the following buttons to operate the various screens.

**MENU** button
Opens the **MENU** screen.

**■/HOME** button
To return to the Home screen, press the **■/HOME** button in any screen display.

Use this to answer “NO” to a confirmation message.

**ENTER/MARK** button
Use this button to confirm selection of a setting item or to select “YES” to a confirmation message.

**►►」** button
Use this to move the cursor (the highlighted area) to the right on the screen or to open folders on the **BROWSE** screen.

**◄◄」** button
Use this to move the cursor (the highlighted area) to the left on the screen, and to close folders on the **BROWSE** screen.

**Wheel**
Use this to select (highlight) each item or to change value.

**MIXER** button
Open the mixer screen.

**INPUT** button
Open the **INPUT SETTING** screen.

**QUICK** button
This opens the quick menu pop-up. (See “QUICK button overview” on page 40.)
3 – Preparation

Powering the unit

Power sources

The DR-44WL operates on four AA batteries, the dedicated AC adapter (GPE053B) included with the unit or USB cable supplied with the unit (USB bus power).

Use either alkaline batteries or Ni-MH batteries.

Using AA size batteries

Remove the battery compartment cover on the back of the unit, insert four AA batteries into the battery compartment, aligning to the ¥ and ^ markings inside the battery compartment, and close the cover.

Select the same type of batteries to get an accurate reading of the remaining battery power and required minimum power for operation. (See “Battery type settings” on page 57.)

CAUTION

• Do not use Manganese dry cell batteries.
• Ni-MH batteries will not be recharged with this unit; use a separate battery recharger instead.
• The supplied alkaline batteries are for testing and may not last long.

NOTE

A large amount of power is consumed to provide phantom power to a condenser microphone. If you use a condenser microphone while running the unit on AA batteries (NiMH rechargeable or alkaline), the operating time will be extremely shortened.

If you need to operate the unit for a long time, use the dedicated AC adapter (GPE053B) included with the unit or TASCAM BP-6AA external battery box (sold separately) to power the unit.

Using an AC adapter

Connect the dedicated AC adapter (GPE053B) supplied with the unit and the USB port of the unit with the included USB cable as shown in the illustration.

NOTE

• When both batteries and the AC adapter are attached to the unit, power will be supplied from the AC adapter.
• The included AC adapter for the unit comes with two types of outlet plugs. Attach the type of plug that matches the power outlet that you are using.

CAUTION

• Use only the dedicated AC adapter (GPE053B) supplied with the unit. The use of another adapter may cause malfunction, fire or electric shock.
• Noise may occur during microphone recording when the unit and AC adapter are in close proximity. If noise occurs, move the AC adapter away from the unit.

Changing the outlet plug

1. Move the latch on the AC adapter in the direction of the arrow.
2. Pull off the outlet plug.
3. Replace it with the other outlet plug (A or B).
4. Move the latch on the AC adapter in the direction of the arrow again.
5. Attach the outlet plug to the AC adapter.

This completes changing the outlet plug.

CAUTION

Do not use the adapter if there is anything abnormal about the plug after changing it. Use when the plug is abnormal could cause fire or electric shock. Contact the retailer where
you purchased the unit or a TEAC service center to request repair.

Using an external battery pack (sold separately)

Connect a TASCAM BP-6AA external battery pack (designed for use with this unit and sold separately) to the recorder with the included USB cable as shown in the illustration. For details, see the BP-6AA Owner’s Manual.

TASCAM BP-6AA (sold separately)

Connect the supplied USB cable

micro-B USB plug

CAUTION
The DR-44WL cannot detect the remaining battery charge of a BP-6AA. If you use a BP-6AA to operate the DR-44WL without batteries in the recorder itself, the unit might stop operating suddenly if the battery pack runs out of charge. In order to avoid problems, put batteries with sufficient charge into the DR-44WL before connecting and using a BP-6AA.

Using USB bus power

Use the supplied USB cable to connect the unit and the computer as illustrated below.

Computer

USB

micro-B USB plug

When you connect a USB cable while the unit power is on, or turn on the power after making a connection, the USB SELECT screen will pop up, prompting the user to select either to operate the unit with USB bus power or make a USB connection with the computer.

Turning the power on and off (standby mode)

CAUTION
• When you turn the power switch off while supplying power from the dedicated AC adapter (GPE053B) included with the unit or the USB bus power connected to a computer, the unit will go into standby mode.
• Before turning the power switch on and off, turn the volume down for the sound system connected to the unit.
• Do not wear headphones when turning the power switch on and off (standby mode); the noise may cause damage to your ears and/or headphones.

Starting up the unit

When the unit is turned off, slide the HOLD/switch of the left side panel in the direction, and when the TASCAM DR-44WL (start-up screen) appears, release the switch. The DR-44WL starts up and the Home screen is displayed.

TASCAM DR-44WL

Start-up screen

Home screen

CAUTION
When turn the power on for the first time (or when the built-in clock is reset due to no battery power), the DATE/TIME screen will appear before the Home screen to set date/time. (See “Song Operation” on page 34.)
3 – Preparation

Shutting down (standby mode)

When the unit is turned on, slide the HOLD/ / switch of the left side panel in the / direction, and when the TASCAM DR-44WL shutting down appears, release the switch. The power turns off after the unit completes its shutdown process.

CAUTION
Always use the HOLD/ / switch to turn the power off. Do not remove the batteries or disconnect the power cable (AC adapter GPE053B included with the unit or USB cable) accidentally while the unit is operating. If you do so, the unit cannot shut down properly and all recordings, settings and other data will be lost. Any lost data and/or settings cannot be restored.

Resume function

The DR-44WL is equipped with a resume function to locate the previous position (or time) when the power was turned off. Turn the power on and press the button to play back from the previous file position (time) when the power was turned off.

NOTE
The position is recorded in the SD card. The resume function does not work if the SD card is replaced or formatted.

Setting the date/time

The DR-44WL uses its internal clock to record the date and time to the recorded files.

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) SYSTEM menu item and press the ENTER/MARK or button.
   The SYSTEM screen is displayed.
3. Use the wheel to select DATE/TIME and press the ENTER/MARK or button.
   Exec appears selected for the DATE/TIME item.
4. Press the ENTER/MARK button to open the DATE/TIME screen.
5. Press the button or button to move the cursor (highlighted area), and use the wheel to change values.
6. Press the ENTER/MARK button to confirm the change and return to the SYSTEM screen.

NOTE
The file name will include the set date/time. (See “Setting the file name type” on page 56.)

CAUTION
The date and time setting can only be maintained for a few minutes if the battery power becomes low or the unit is not powered by the dedicated AC adapter (GPE053B) included with the unit or USB cable. When using batteries, we recommend to replace them before they are completely drained.

Inserting and removing SD cards

Inserting the SD card

NOTE
When the product is purchased, the SD card slot has an SD card already installed. If you want to use this SD card to record and play tracks, there is no need to reinstall it.

1. Open the SD card slot cover on the left side panel.
2. Insert the SD card into the slot as shown in the following illustration until it clicks into place.

Removing the card

1. Open the SD card slot cover.
2. Press the SD card in gently and then release it to allow it to come out.
3 – Preparation

**CAUTION**

- Do not remove the SD card from the unit during recording, playback or at other times when it is being accessed.
- Do not remove the SD card from the unit when it is connected to a computer via USB.
- SD cards that meet SD, SDHC or SDXC standards can be used with this unit.
- A list of SD cards that have been confirmed to work with this unit can be found on the TEAC Global Site (http://teac-global.com).
- When using a microSD card in an SD card adapter, do not remove just the microSD card. Always remove the adapter with the microSD card in it. Removing only the microSD card could cause malfunction.

**SD card write protection switches**

An SD card comes equipped with a write protect switch.

<table>
<thead>
<tr>
<th>Unprotected</th>
<th>Protected</th>
</tr>
</thead>
</table>

If you slide the protect switch to the LOCK position, file recording and editing is not possible. Move the switch to the unlocked position in order to record, erase and otherwise edit data on the card.

**Preparing an SD card for use**

In order to use an SD card in this unit, you must format it first.

1. Confirm that an SD card is installed and turn the power ON.
2. The following message appears when a new card or a card formatted by another device is inserted into the unit.

![Format Error]

3. Press the ENTER/MARK button to start formatting.

**CAUTION**

- Formatting an SD card erases all the data on it.
4. When formatting is complete, it will return to the Home screen. You may format the card whenever required.

**CAUTION**

- When formatting the SD card, make sure the unit is connected to the dedicated AC adapter (GPE053B) included with the unit, a computer via USB bus power, or fully-charged batteries.

**Turning the built-in speaker on/off**

The factory setting for the built-in speaker output is selected as ON. To turn it off, open the TOOLS screen and select OFF for the SPEAKER setting.

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) TOOLS menu item and press the ENTER/MARK or button.
   TOOLS screen appears.
3. Using the wheel, select (highlight) SPEAKER and press the ENTER/MARK or button.

![TOOLS]

4. Using the wheel, turn on or off and press the ENTER/MARK button.
   Options: OFF, ON (default setting)
5. Once the setting has been completed, press the □/HOME button to return to the Home screen.

**NOTE**

- In a recording standby or recording mode, or when a headphone or a speaker system is connected to the DR-44WL, the built-in speaker will not emit sound even when the SPEAKER setting is ON.

**Connecting a monitor device**

To listen with a headphone, connect it to the Ω/LINE OUT jack. External monitor system (powered monitor speaker or an amplifier and speaker): connect the external monitor system to the Ω/LINE OUT jack.
3 – Preparation

Adjusting the playback volume

When the Home screen is being displayed, use the OUTPUT LEVEL (+/−) button on the left side panel to adjust the volume of output through the built-in speaker or the LINE OUT jack. A volume level indicator will pull up at the bottom of the display.

When increasing the volume, this pop-up message might appear: “INCREASE YOUR RISK OF HEARING DAMAGE.”

This warning appears when the volume is set above a level recommended by the European Union (EU) to avoid hearing damage (EU volume limit regulation). Reconnecting headphones will reset the volume to its default value.

NOTE
- You can continue to adjust the volume even after the pop-up message appears. When you raise or lower the volume, the pop-up message will disappear.
- If the output level is set to 12 or higher and the unit is restarted when headphones or another device are connected to the LINE OUT jack, the upper level will be set to 12 after the unit restarts.

Recording settings

Recording with the built-in microphone

Point the built-in microphone toward the sound source and place the unit on a stable surface with minimum vibration.

NOTE
- During mono recording, orient the mic set for the recording channel toward the sound source.

Recording with an external microphone (EXT MIC IN)

Connect an external microphone to the EXT MIC/LINE IN jack of this unit. Point the external microphone toward the sound source and place the unit on a stable surface with minimum vibration.

NOTE
- To provide phantom power to a condenser microphone, set the EXT IN switch to MIC+PHANTOM. (See “Set the input gain” on page 19.)

Recording from an external device (LINE IN)

Use stereo plug cables to connect to the output of an external audio device.

CAUTION
Listening at high volumes could cause hearing damage. If the surroundings are noisy, the sound of playback might seem quieter than it actually is. Start playback of the audio and check the volume before putting on headphones, for example.
CAUTION

• If the input sound is still distorted after adjusting the input level of the unit, reduce the playback sound of the external device.

• When an external audio device with a fixed output line level is connected, it would be impossible to control the gain level appropriately because of excessively large input signals. In such cases, use the headphone jack or other level-controllable output for connection to the unit.

Selecting Operation Mode

Two operation modes are available in this unit: 4CH and MTR modes. (See “Overview of recording modes” on page 18.)

Setting a mode

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) MODE menu item and press the ENTER/MARK or ▶▶ button. The MODE screen is displayed.
3. Using the wheel, select (highlight) MODE and press the ENTER/MARK or ▶▶ button.
4. Use the wheel to select operation mode. Options: 4CH (default value), MTR
5. Once the setting has been completed, press the ■/HOME button to return to the Home screen.

NOTE

The selected mode is stored and started in the selected mode when the power is turned on next time.

Checking mode

When the operation mode is set to MTR, the MTR indicator on the top of the display lights up.

Attaching the grip

You can attach the included grip to the tripod mounting threads (1/4-inch) on the bottom of the unit and use it as a handgrip. You can also use the grip to attach the unit to a mic stand.

Attaching the shoe mount adapter

Attach the included shoe mount adapter to the tripod mounting threads on the bottom of the unit to use this unit as an audio recorder with a digital SLR camera or video camera, for example.
4 – Recording

In addition to the built-in microphone, an external microphone or external audio devices (i.e. CD player) can also be used for recordings.

Recordings can be made in MP3 (32k - 320kbps, 44.1k/48kHz) and WAV/BWF (44.1k/48k/96kHz, 16/24-bit) audio formats. Cue marks in WAV file that supports BWF (Broadcast Wave Format) can be used in BWF compatible softwares.

Overview of recording modes

This recorder can record sounds in two modes: 4CH and MTR modes.

4CH mode

A maximum of four channels can be recorded simultaneously from the built-in mics and external input jacks (input jack assignments are fixed).

The recorded files are as follows according to the recording channel link settings.

- Mono × 1–4
- Stereo × 1–2
- Stereo × 1 + Mono × 1–2 (WAV or BWF only)

MTR mode

You can use this device as a multitrack recorder (MTR) to record individual tracks and overdub them. A maximum of four channels can be recorded simultaneously from the built-in mics and external input jacks (input jack assignments can be selected). These can also be recorded into already recorded files (overdubbing).

The recorded files are as follows.

- Mono × 4

Set where to save the file

Set the folder where recorded files are saved.

The recorded file will be saved in the current (currently selected) folder. For details, see the SELECT quick menu item under (See “Folder operations” on page 33.).

In 4CH mode if no setting is made, new recording files are created in the “MUSIC” folder.

In MTR mode, new recording files are created in the “MTR” folder.

Select the file format and sampling frequency (4CH mode only)

Select the desired audio file type before you start recording.

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) REC SETTING and press the ENTER/MARK or >>/ button.

   The REC SETTING screen appears.

3. Using the wheel, select (highlight) FORMAT and press the ENTER/MARK or >>/ button.

   Set the file format.

   Using the wheel, select one of the following options.

   Options: BWF 24bit, BWF 16bit, WAV 24bit, WAV 16bit (default value), MP3 320k, MP3 256k, MP3 192k, MP3 128k, MP3 96k, MP3 64k, MP3 32k

   NOTE

   • BWF is a format created for broadcasting that has the same sound quality as the standard WAV format. It also uses the same .wav file extension as WAV files. In this manual, we distinguish these file types by using the terms BWF and WAV.
   • The WAV and BWF formats offer higher quality recording than MP3 files.
   • The MP3 format can record for longer hours compared to the WAV and BWF formats.
   • With MP3 format, recording with higher values offers better quality.

4. Press the ENTER/MARK or >>/ button to confirm the setting and enable selection of other setting items.

5. Using the wheel, select (highlight) SAMPLE and press the ENTER/MARK or >>/ button.

   Set the sampling frequency.

   Using the wheel, select one of the following options.

   Options: 44.1k (default value), 48k, 96k

   NOTE

   96k cannot be selected for a MP3 format file.

   TIP

   You can record with audio quality equivalent to a CD by selecting WAV 16bit and 44.1k.

6. Press the ENTER/MARK or >>/ button to confirm the setting and enable selection of other setting items.

7. Once the setting has been completed, press the ■/HOME button to return to the Home screen.
Adjusting the input level

Before starting recording, the input level should be adjusted to prevent the recorded sounds or signals from being distorted due to excessively large input signals or from being inaudible due to excessively low input signals compared to noise. In addition to manual adjustment, the unit has the following two level adjustment functions: peak reduction and limiter. Any of these can be used as required. (See “How to download and install the exclusive application (TASCAM DR CONTROL)” on page 51.)

**TIPS**

In addition to adjusting the input level, try changing the distance and angle between the microphone and the sound source. The angle and distance of the microphone can also change the sound quality.

1. In the Home screen mode, press the INPUT LEVEL button at the right side panel to make the INPUT LEVEL setting screen pop up.

   All the TRACK/INPUT buttons start flashing.

   Press a TRACK/INPUT button to select a channel (track) for input level adjustment.

   Selected TRACK/INPUT buttons light.

**NOTE**

If you select multiple channels/tracks (1/2 or 3/4) for input level adjustment, you can adjust them at the same time.

2. Use the INPUT LEVEL volume of the right side panel to adjust the input level.

   When the input sound is too loud, the PEAK indicator of the top panel is lit in red.

   A mark is provided at the “−12 dB” position on the level meters.

   Set the input level so that the level changes near this mark without causing the PEAK indicator to light in red.

3. Press the INPUT LEVEL button at the right side panel or the HOME button at the top panel to return to the HOME screen.

**NOTE**

When in recording standby or during recording, the speaker does not output sound even if the SPEAKER setting is enabled.

If you need to monitor sound to adjust the input level and make recordings, connect the headphone to the LINE OUT jack.

To adjust monitor sound, go to the Home screen and use the OUTPUT LEVEL button at the left side panel. Adjusting the monitor sound will not affect the recording quality.

Set the input gain

When an external input is selected for the input source, select the option for the EXT IN switch at the right side panel to suit the connected external device.

**MIC+PHANTOM:**

Use this setting when connecting condenser microphones that require phantom power (+24V or +48V) to the recorder. (See “Using phantom power” on page 19.)

**MIC:**

Use this setting when connecting microphones to the recorder.

**LINE:**

Use this setting when connecting line output jacks of external devices to the analog inputs of this recorder.

**CAUTION**

Depending on this setting, the input level setting range changes. For this reason, the input level might change greatly when this setting is changed. Before changing it, you should turn the power OFF or turn the output level all the way down.

Using phantom power

In stop mode, if you change the EXT IN switch at the right side panel to MIC+PHANTOM, a pop-up message appears confirming that you want to turn phantom power on.

When the confirmation pop-up message opens, press the ENTER/MARK button to turn phantom power on for the EXT MIC/LINE IN jack and supply phantom power (+24V or +48V) to the connected microphone.

While the confirmation pop-up message is displayed, change the EXT IN switch to either MIC or LINE to close the confirmation pop-up message and turn phantom power off.

Use the POWER/DISPLAY screen to set the voltage to +24U or +48U. (See “Set the voltage value of the phantom power supply” on page 57.)

**NOTE**

Battery power will be consumed faster when set to +48U than when set to +24U.

**CAUTION**

- Confirm that phantom power is OFF before connecting a line level device to the EXT MIC/LINE IN jack. If you connect a line level device while phantom power is being supplied, that device and this unit could be damaged.

- When connecting to or disconnecting a condenser microphone from the EXT MIC/LINE IN jack, confirm that the...
phantom power for that jack is OFF. If you connect or disconnect a microphone while phantom power is being supplied, that microphone and this unit could be damaged.

- Turn phantom power ON only when using a condenser microphone that requires phantom power.
- Supplying phantom power to some ribbon microphones will break them. If you are unsure, do not supply phantom power to a ribbon microphone.
- When using USB bus power, the unit might not be able to supply phantom power depending on the computer. If this occurs, use the dedicated AC adapter (GPE053B) supplied with the unit instead.
- Some condenser microphones will not operate when phantom power is set to +24V.
- Do not connect or disconnect the AC adapter when using phantom power. Even when the battery were inserted in the unit, the power might be cut off, causing data being recorded to be damaged or lost.

**Settings in the “INPUT SETTING” screen**

The contents of the INPUT SETTING screen displayed by pressing the INPUT button vary depending on which mode to be selected between 4CH mode and MTR mode.

**INPUT SETTING** screen Tr1 display when in 4CH mode

**INPUT SETTING** screen Tr1 display when in MTR mode

**NOTE**

When a channel (track) link is turned on, the link status shown at the bottom of the INPUT SETTING screen will change.

**INPUT SETTING** screen Tr1 display when in 4CH mode
Setting channel links (4 CH mode only)

Channels 1 and 2, as well as channels 3 and 4, can be linked. When channels (tracks) are linked, their settings on the INPUT SETTING screen are shared.

1. Press the INPUT button to show the INPUT SETTING screen.
2. Press a TRACK/INPUT button to open the INPUT SETTING screen for the linked channels (tracks).
3. Using the wheel select (highlight) LINK and press the ENTER/MARK or ► button.

4. Use the wheel to set the channel (track) link. Options: OFF (default value), ON
5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the 8/HOME button to return to the Home screen.

NOTE

LINK can be set or changed even during recording standby and when recording.

Set the track input (MTR mode only)

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) MODE and press the ENTER/MARK or ► button.
   The MODE screen is displayed.
3. Press the ENTER/MARK or ► button.

4. Using the wheel, set the mode to MTR mode and press the ENTER/MARK button.
   Options: 4 CH (4 CH mode, default value), MTR (MTR mode)
5. Press the INPUT button to show the INPUT SETTING screen.
6. Press a TRACK/INPUT button to open the INPUT SETTING screen for that track to set its input.
7. Using the wheel, select (highlight) INPUT and press the ENTER/MARK or ► button.

INPUT SETTING screen Tr1 display when in MTR mode

<table>
<thead>
<tr>
<th>Option</th>
<th>Input destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>No input setting</td>
</tr>
<tr>
<td>INT L</td>
<td>Input from right front side of built-in stereo mic</td>
</tr>
<tr>
<td>INT R</td>
<td>Input from left back side of built-in stereo mic</td>
</tr>
<tr>
<td>EXT 1</td>
<td>Input from EXT MIC/LINE IN 1/L jack</td>
</tr>
<tr>
<td>EXT 2</td>
<td>Input from EXT MIC/LINE IN 2/R jack</td>
</tr>
</tbody>
</table>

Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
8. Once the setting has been completed, press the 8/HOME button to return to the Home screen.

NOTE

• The INPUT setting cannot be used when recording.
• The same input option cannot be shared by multiple tracks. If an input option that has already been assigned is selected, the track that was originally assigned will be set to OFF.
4 – Recording

DELAY setting
Correct a time delay that occurs when the built-in microphones are far away from an external microphone.
1. Press the INPUT button to show the INPUT SETTING screen.
2. Press a TRACK/INPUT button to open the INPUT SETTING screen for that channel (track) to set its DELAY item.
3. Using the wheel select (highlight) DELAY and press the ENTER/MARK or ► button.

4. Use the wheel to set a value according to the distance of the connected microphone.
   Options: 0ms (0m) (default value) to 300ms (103m)
5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the ▼/HOME button to return to the Home screen.

Set the low-cut filter
The low-cut filter can reduce noise such as offensive wind noise from air-conditioners and projectors.
1. Press the INPUT button to show the INPUT SETTING screen.
2. Press a TRACK/INPUT button to open the INPUT SETTING screen for that channel (track) to set its low-cut filter.
3. Using the wheel select (highlight) LOW CUT and press the ENTER/MARK or ► button.

4. Use the wheel to set the cut-off frequency of the low-cut filter.
   Options: OFF (default value), 40Hz, 80Hz, 120Hz, 220Hz
5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the ▼/HOME button to return to the Home screen.

NOTE
LOW CUT can be set or changed even during recording standby.
4 – Recording

Using the level control function
You can set the input level for microphone input.
1. Press the INPUT button to show the INPUT SETTING screen.
2. Press a TRACK/INPUT button to open the INPUT SETTING screen for that channel (track) to set its level control function.
3. Using the wheel select (highlight) LV CTL and press the ENTER/MARK or ➪ button.

INPUT SETTING screen when in 4CH mode
4. Use the wheel to set the level to be used.
   Options: OFF (default value), LIMITER, PEAK
5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the ■/HOME button to return to the Home screen.

NOTE
LV CT can be set or changed even during recording standby and when recording.

PEAK (PEAK REDUCTION)
This function is used to automatically lower the input level to an appropriate one when an input sound is too loud. It allows input level setting to be performed easily. The input level can be raised manually if required.

TIPS
When recording live performances, for example, test for peak reduction may be performed before actual recording. Select the peak reduction mode in recording standby, and maximize the input level. As a test performance is given subsequently, the input gain is reduced to an appropriate level to meet the input signals, and an optimum input level for the performance is set. Recording will be stored at this input level if this mode is disabled before starting recording. Otherwise, the input level will continue to be controlled automatically during recording.

LIMITER
This function prevents distortion due to a sudden and excessive input.
This mode is also suited for recording of live performances with large volume changes.
In this mode, you can change the input level manually even during recording.

CAUTION
Distortion of sounds may occur when excessively large input signals come in even if the LIMITER function is activated. If this occurs, reduce the input level manually or move the unit farther away from the sound source.

Record in 4 CH mode (4 CH mode only)
You can connect built-in microphones to external microphones or other equipment to record four independent channels.
  Mono x 1–4
    Channels 1, 2, 3 and 4
  Stereo x 1–2
    Channels 1/2 and 3/4
  Stereo x 1 + Mono x 1–2 (WAV or BWF only)
    Channels 1/2, channel 3 and channel 4
    Channel 1, channel 2 and channels 3/4

Record 4 channels
1. Set the mode to 4 CH mode. (See “Selecting Operation Mode” on page 17.)
2. Press the RECORD button to set the recording standby mode.
3. Select the channel (track) you want to record by using the TRACK/INPUT button.
   At this point, for the channel (track) you want to record into a stereo file, turn the stereo link on. A channel (track) not stereo-linked is recorded into a mono file.
4. Press the RECORD button again to start recording.
5. Press the ■/HOME button to stop recording.

How to Set the Stereo Link
• Turn the stereo link for channel 1 and channel 2 on/off.
  When in recording standby, press TRACK/INPUT button 1 and button 2 at the same time.
• Turn the stereo link for channel 3 and channel 4 on/off.
  When in recording standby, press TRACK/INPUT button 3 and button 4 at the same time.

You can check the status of the stereo link from the channel (track) status display in the screen display.
The stereo link can be set for the above combinations only.

NOTE
When the FORMAT item on the REC SETTING screen is set to MP3, recording a combination of mono and stereo files is not possible.

File names when recording in 4-channel
In 4-channel recording, the following files are created. If they are stereo-linked, files are created in sets for the built-in mic (channels 1/2) and external device (channels 3/4).

TASCA_M_0001S12.WAV

1: Set with the WORD item on the FILE NAME screen.
2: Recording file base number
3: S is the source file
4: Assigned channels (1 is channel 1, 1 2 is channels 1/2 and 3 4 is channels 3/4)
4 – Recording

Record in MTR mode (MTR mode only)

You can use this device as a multitrack recorder (MTR) to record individual tracks and overdub them.

A maximum of four channels can be recorded simultaneously from the built-in mics and external input jacks (input jack assignments can be selected). These can also be recorded into already recorded files (overdubbing).

Recorded files are saved as mono x 4.

1. Set the mode to MTR mode. (See “Selecting Operation Mode” on page 17.)
2. Select the track you want to record by using the TRACK/INPUT button.
   The track selected here goes into recording standby mode.
3. Press the RECORD button to start recording.
4. Press the ■/HOME button to stop recording.

**NOTE**

In MTR mode, you can punch in and out as well as bounce tracks. (See “Punching in/out (MTR mode only)” on page 29.) (See “Track bounce (MTR mode only)” on page 44.)

Switch files during recording (track increment, available in 4 CH mode only)

During recording, you can stop recording to the current file either manually or automatically at a set time, and continue to record to a new file (the track increment function).

**Manual track increment during recording**

During recording, you can easily update a file manually and continue to make recording.

1. Press the ▶ button during recording.

   **NOTE**
   Numbers at the end of file name will increment each time when a new file is created.

   **CAUTION**
   - The maximum total number of folders and files you can create is 5,000.
   - Files with a recording time of less than two seconds cannot be created. Moreover, if the sampling frequency is 96 kHz, files shorter than four seconds cannot be created.
   - When the name of a new file to be created already exists, the number will be incremented further.

**Automatic track increment at specified time**

During recording, the DR-44WL will automatically switch recording from the current file to a new file when it reaches a certain time specified in the TRACK INC of the AUTO FUNCTION screen.

Follow the below steps to set the maximum time for automatic increment:

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) AUTO FUNCTION and press the ENTER/MARK or ▶ button.
   AUTO FUNCTION screen is displayed.
3. Using the wheel, select (highlight) TRACK INC and press the ENTER/MARK or ▶ button.

   ![Auto Function Screen]

4. Use the wheel to select the automatic track increment time. Options: OFF (default value), 5min, 10min, 15min, 30min, 60min

5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the ■/HOME button to return to the Home screen.

   **CAUTION**
   The maximum total number of folders and files you can create is 5,000.
**Recording automatically (AUTO REC)**

(4 CH mode only)

When the auto record function is on, the unit can start and pause recording and create new files automatically in response to input sound levels.

1. Press the **MENU** button to open the **MENU** screen.
2. Using the wheel, select (highlight) **AUTO FUNCTION** and press the **ENTER/MARK** or ➤ button.
3. **AUTO FUNCTION** screen is displayed.
4. Using the wheel, select (highlight) **AUTO REC** and press the **ENTER/MARK** or ➤ button.
5. Use the wheel to select a start level that activates the **AUTO REC** function (a level that recognizes incoming signals).
   Options: OFF (default value), -6 dB, -12 dB, -24 dB, -48 dB
6. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
7. Once the setting has been completed, press the ➤/HOME button to return to the Home screen.
8. Press the **RECORD** button to set the mode in which the channel (track) is selected for recording.
9. Select the channel (track) you want to record by using the **TRACK/INPUT** button.
   At this point, for the channel (track) you want to record into a stereo file, turn the stereo link on. A track not stereo-linked is recorded into a mono file.
10. Press the **RECORD** button to set the recording standby mode.
    Recording starts automatically when the input signal exceeds the threshold set in the **AUTO REC** item.

**NOTE**

- When in recording standby, the **RECORD** indicator flashes faster than when recording.
- When recording, if the input signal level falls below the level set with the **AUTO REC** item for more than 5 seconds, the unit pauses recording and creates a new file. When the input signal level becomes higher than the set level again, it starts recording to a new file.
- When new files are created, incremental numbers are added to the end of each file name.

11. Press the ➤/HOME button to stop recording.

**CAUTION**

- When the auto record function is on the self-timer cannot be used.
- The maximum total number of folders and files you can create is 5,000.
- Files with a recording time of less than two seconds cannot be created. Moreover, if the sampling frequency is 96 kHz, files shorter than four seconds cannot be created.
- When the name of a new file to be created already exists, the number will be incremented further.

**TIPS**

By using this in combination with the **PRE REC** function, you can record events without losing the beginnings of sounds.

---

**Start recording a moment before pressing RECORD (PRE REC, 4CH mode only)**

By using pre-recording, when the unit is in recording standby you can record up to two seconds of the signal input before the **RECORD** button is pushed to start recording. (PRE REC)

1. Press the **MENU** button to open the **MENU** screen.
2. Using the wheel, select (highlight) **REC SETTING** and press the **ENTER/MARK** or ➤ button.
   The **REC SETTING** screen appears.
3. Using the wheel, select (highlight) **PRE REC** and press the **ENTER/MARK** or ➤ button.
4. Using the wheel, turn the **PRE REC** function on or off.
   Options: OFF (default value), ON
5. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the ➤/HOME button to return to the Home screen.

**TIPS**

By combining **PRE REC** with the **AUTO REC** function, you will not miss an opportunity to start recording.

**NOTE**

If you start recording within two seconds from when the record standby mode is turned ON, recording will begin from the record standby mode.
Self-timer function

Similar to a camera, the DR-44WL has a SELF TIMER function to begin recording after a set period of time.

1. Press the **MENU** button to open the MENU screen.
2. Using the **wheel**, select (highlight) **REC SETTING** and press the **ENTER/MARK** or **➡️** button. The REC SETTING screen appears.
3. Using the **wheel**, select (highlight) **SELF TIMER** and press the **ENTER/MARK** or **➡️** button.
4. Use the **wheel** to set the waiting time to start recording. Options: **OFF** (default value), **5 sec**, **10 sec**
5. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
6. Once the setting has been completed, press the **➡️**/HOME button to return to the Home screen.
7. Press the **RECORD** button to set the recording standby mode. The self-timer icon appears on the recorder status screen, and the time is displayed on the right.
8. Press the **RECORD** button. Recording will start after the set time period.

**NOTE**

- The self-timer function will not work when recording is paused during recording.
- The self-timer function and the AUTO REC function cannot be used together.
- When in MTR mode, if the AUTO PUNCH item on the AUTO FUNCTION screen is **ON**, the AUTO PUNCH function will be given priority.

Simultaneously recording two files with different input levels/formats (DUAL REC, 4CH only)

This recorder can simultaneously record a second recording at a different input level along with the regular recording. For example, when recording with microphones, you can make an ordinary recording with the input level set as high as possible and simultaneously record at a slightly lower input level for safety.

Recorded files are saved as two files: one recorded at the input level of ordinary recording and the other recorded at an input level 12dB lower than that level. In addition, you can record in two different formats (WAV and MP3) simultaneously and create two files.

**NOTE**

- Make the input level setting for the ordinary recording in the usual manner. (See “Adjusting the input level” on page 19.) (See “Set the input gain” on page 19.)
- You cannot apply effects to the second file, which is recorded at a different input level or in a different format.

Enabling dual recording

1. Press the **MENU** button to open the MENU screen.
2. Using the **wheel**, select (highlight) **REC SETTING** and press the **ENTER/MARK** or **➡️** button. The REC SETTING screen appears.
3. Using the **wheel**, select (highlight) **MODE** and press the **ENTER/MARK** or **➡️** button.
4. Use the **wheel**, to set the recording mode for dual recording. Options: **OFF** (default value), **LEVEL**, **FORMAT**
5. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
6. When **FORMAT** is selected for the recording mode, move on to the next step. When an item other than **FORMAT** is selected, press the **➡️**/HOME button to return to the Home screen.
7. Using the **wheel**, select (highlight) **FORMAT** and press the **ENTER/MARK** or **➡️** button.

<table>
<thead>
<tr>
<th>Options</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Record in ordinary stereo mode.</td>
</tr>
<tr>
<td>LEVEL:</td>
<td>Record at two different levels.</td>
</tr>
<tr>
<td>FORMAT</td>
<td>Record in two different formats (WAV and MP3).</td>
</tr>
</tbody>
</table>
8. Use the wheel to set the MP3 format for dual recording. Options: MP3 320k, MP3 256k, MP3 192k, MP3 128k, MP3 96k, MP3 64k.

9. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.

10. Once the setting has been completed, press the ■/HOME button to return to the Home screen.

**NOTE**
- The WAV file format is the setting in ordinary recording.
- DUAL FORMAT can be selected only when the recording format is WAV or BFW, 44.1kHz and 16 bits or 48kHz and 16 bits.
- With dual recording, two tracks can be recorded for a stereo file or one track can be recorded for a mono file. Multiple channels (tracks) cannot be selected as dual recording sources.

### Starting dual recording

1. Press the RECORD button to enter recording standby, and use the TRACK/INPUT buttons to select the channels (tracks) that you want to record.
2. Press the RECORD button to start dual recording. During dual recording, the recording screen appears as follows.

   ![Recording Screen](image)

   In the input source display area of the recording screen, the input levels of the current input source and of the second file for dual recording are shown.

### Dual recording file names

Dual recording allows two files to be created simultaneously. The name of the second file created by dual recording has "_D" added to the name of the file recorded ordinarily.

- **TASCAM_0002S12.WAV**
  - ① ② ③ ④
- **TASCAM_0002S12_D.WAV**
  - ① ② ③ ④ ⑤

  - ①: Set with the WORD item on the FILE NAME screen.
  - ②: Recording file base number
  - ③: S is the source file
  - ④: Assigned channels ( 1 2 is channels 1/2 and 3 4 is channels 3/4)
  - ⑤: D is the dual recording file

### Create cue marks during recording

In recording or recording standby mode, the DR-44WL can create cue marks to a file to quickly locate the marked position and start playback. (See "How to download and install the exclusive application (TASCAM DR CONTROL)" on page 51.) You can either manually set the cue mark, or automatically set the cue mark level or time to minimize the operation noise.

**NOTE**
The unit will not move to the cue mark position in recording or recording standby mode.

### Manual cue marking during recording

Press the ENTER/MARK button during recording or recording standby to create a cue mark. The registered pull-up cue mark no. message will appear at the bottom of the screen display.

![Cue Mark Display](image)

**NOTE**
- Up to 99 cue marks can be created and stored in each file.
- Cue marks that are created during the recording of WAV file in BWF format by this unit are stored in the file. You can use the cue marks in softwares compatible with BWF format.
- MARK SET [xx] * is added to the mark name.
  * [xx] is a serial number common to all marks.
Add cue marks automatically during recording

When you turn the AUTO MARK function ON, cue marks can be added automatically according to the operating level and time.

Add cue marks automatically according to set levels
1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) AUTO FUNCTION and press the ENTER/MARK or button.
   AUTO FUNCTION screen is displayed.
3. Using the wheel, select (highlight) MODE for AUTO MARK and press the ENTER/MARK or button.
4. Use the wheel to set the automatic cue mark mode to LEVEL.

Options: OFF (default value), LEVEL, TIME
5. Press the ENTER/MARK button to finalize the set mode.
6. Using the wheel, select (highlight) LVL/TIME for AUTO MARK and press the ENTER/MARK or button.

7. Use the wheel to set a level to automatically add cue marks.
   Options: -6dB, -12dB (default value), -24dB, -48dB
8. Press the ENTER/MARK button to finalize the set mode.
9. Once the setting has been completed, press the HOME button to return to the Home screen.

Add cue marks automatically according to set time
1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) AUTO FUNCTION and press the ENTER/MARK or button.
   AUTO FUNCTION screen is displayed.
3. Using the wheel, select (highlight) MODE for AUTO MARK and press the ENTER/MARK or button.
4. Use the wheel to set the automatic cue mark mode to TIME.

5. Press the ENTER/MARK button to finalize the set mode.

Moving to the cue mark position
During pause, you can move to a cue mark registered in the selected file. When multiple cue marks exist, you will move to the nearest cue mark to the present cue mark. You can use this function to go to the beginning of a song, similar to an index.
1. During pause or playback, while pressing the ENTER/MARK button, press the button or the button.

   You cannot move to a cue mark of a different file.
Use MS microphone

The unit is provided with the MS decoder; you can record or play tracks using the MS microphone.

1. Press the **MENU** button to open the **MENU** screen.
2. Using the **wheel**, select (highlight) **REC SETTING** and press the **ENTER/MARK** or ** ENTER **button.
   
   The **REC SETTING** screen appears.
3. Using the **wheel**, select (highlight) **MS DECODE** and press the **ENTER/MARK** or ** ENTER **button.

4. Use the **wheel** to set the decoding mode when using a mid-side microphone.

<table>
<thead>
<tr>
<th>Options</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OFF</strong> (default value)</td>
<td>Record in ordinary stereo mode.</td>
</tr>
</tbody>
</table>
   | **REC**  | Use to decode while recording.  
   |           | Playback is conducted without decoding.  |
   | **PLAY** | Record mid-side microphone output 
   |           | without decoding for decoding later. Use 
   |           | this mode to monitor when recording 
   |           | with a mid-side microphone. 
   |           | Use this also when playing back mid-side 
   |           | files that were recorded without 
   |           | decoding.  |

5. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
6. Using the **wheel**, select (highlight) **SOURCE** and press the **ENTER/MARK** or ** ENTER **button.

7. Use the **wheel** to set the channel to use a mid-side microphone for.
   
   Options: **1+2 CH, 3+4 CH** (default value)
8. Press the **ENTER/MARK** button to confirm the setting and enable selection of other setting items.
9. Once the setting has been completed, press the **■/HOME** button to return to the Home screen.

**NOTE**

A mid-side mic can be used in the following circumstances.

- In 4CH mode, when a mid-side mic is input through the **EXT MIC/LINE IN** jack and when this unit is playing back an external file recorded using a mid-side mic
- In MTR mode, when a mid-side mic is input through the **EXT MIC/LINE IN** jack (channel can be changed using **INPUT**)

Punching in/out (MTR mode only)

Punching in and out is a technique used to replace parts of already recorded tracks.

Punching in/out manually

You can start playback of recording, switch to recording when it reaches the part to be replaced (punch in), and then switch back to playback (or stop) when the end of that part is reached (punch out).

1. Set the operation mode to **MTR**. (See “Selecting Operation Mode” on page 17.)
2. Determine the part you want to replace in advance.
   
   Select a point where the replacement audio can be combined well with the original track audio.
3. Press the **TRACK/INPUT** button for the track with the part to be replaced to enter recording standby (**RECORD** indicator flashes).
4. Press the **■/■** button again to restart playback before the part to be replaced.
5. When the part to be replaced is reached, press the **RECORD** button to switch to recording (punch in).
6. When the end of the part to be replaced is reached, press the **■/HOME** button to switch to playback (punch out).

Punching in/out automatically (AUTO PUNCH)

Use this function to start (punch in) and stop (punch out) recording automatically when set IN (starting) and OUT (ending) points are reached.

1. Set the operation mode to **MTR**. (See “Selecting Operation Mode” on page 17.)
2. Set the **IN** (starting) and **OUT** (ending) points of the loop on the **PLAY FUNCTION** screen. (See “Repeated Playback of Selection (Loop Playback)” on page 38.)
3. Press the **■/HOME** button to return to the Home Screen.
4. Press the **MENU** button to open the **MENU** screen.
5. Use the wheel to select **AUTO FUNCTION** and press the **ENTER/MARK** or ** ENTER **button to open the **AUTO FUNCTION** screen.
6. Use the wheel to select **AUTO PUNCH** and press the **ENTER/MARK** or ** ENTER **button.

7. Use the wheel to set **ON** and press the **ENTER/MARK** button.

   Options: **OFF** (default value), **ON**
8. After you complete the setting, press the \textbf{HOME} button to return to the Home Screen. When the auto punch function is on, the \textbf{PUNCH} icon appears at the top of the Home Screen.

9. Press the \textbf{TRACK/INPUT} buttons for the tracks that you want to record.

10. Press the \textbf{RECORD} button to start playback. Recording will start when the IN (starting) point set in step 1 is reached. Recording will stop when the OUT (ending) point set in step 1 is reached.
# Recording duration

The table below shows the maximum recording time per file format for SD/SDHC/SDXC cards:

<table>
<thead>
<tr>
<th>File format (recording setting)</th>
<th>SD/SDHC/SDXC cards capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1GB</td>
</tr>
<tr>
<td><strong>WAV/BWF 16 bit (STEREO)</strong></td>
<td></td>
</tr>
<tr>
<td>44.1kHz</td>
<td>1 hour 34 minutes</td>
</tr>
<tr>
<td>48kHz</td>
<td>1 hour 26 minutes</td>
</tr>
<tr>
<td>96kHz</td>
<td>43 minutes</td>
</tr>
<tr>
<td><strong>WAV/BWF 24 bit (STEREO)</strong></td>
<td></td>
</tr>
<tr>
<td>44.1kHz</td>
<td>1 hour 02 minutes</td>
</tr>
<tr>
<td>48kHz</td>
<td>57 minutes</td>
</tr>
<tr>
<td>96kHz</td>
<td>28 minutes</td>
</tr>
<tr>
<td><strong>MP3 (STEREO/MONO)</strong></td>
<td></td>
</tr>
<tr>
<td>32 kbps</td>
<td>44.1kHz/48kHz 69 hour 26 minutes</td>
</tr>
<tr>
<td>64 kbps</td>
<td>44.1kHz/48kHz 34 hour 43 minutes</td>
</tr>
<tr>
<td>96 kbps</td>
<td>44.1kHz/48kHz 23 hour 08 minutes</td>
</tr>
<tr>
<td>128 kbps</td>
<td>44.1kHz/48kHz 17 hour 21 minutes</td>
</tr>
<tr>
<td>192 kbps</td>
<td>44.1kHz/48kHz 11 hour 34 minutes</td>
</tr>
<tr>
<td>256 kbps</td>
<td>44.1kHz/48kHz 8 hour 40 minutes</td>
</tr>
<tr>
<td>320 kbps</td>
<td>44.1kHz/48kHz 6 hour 56 minutes</td>
</tr>
</tbody>
</table>

- The recording times shown above are theoretical values. They might differ depending on the SD, SDHC, and SDXC cards in use.
- The recording times shown above are not continuous recording times, but they are the total possible recording times for the SD, SDHC, and SDXC cards.
- Recording automatically stops if recording time exceeds 24 hours.
- Mono recording in WAV format will double the maximum recording times specified above.
- For DUAL REC recording in the WAV/BWF format and 4-channel recording, the maximum recording time will be half the figures above.
In the BROWSE screen, you can browse the MUSIC folder (stores audio files), delete files and folders, or create a new folder in the SD card.

**TIPS**

You can also connect the unit with a computer via USB, or directly insert the SD card to the computer to change the configuration of folders or delete files in the MUSIC folder also from the computer. In addition, you can edit file names from the computer.

To open the BROWSE screen, press the MENU button to open the MENU screen. Use the wheel to select (highlight) BROWSE and press the ENTER/MARK or button.

Displayed in this screen are the contents of the folder containing the file selected on the Home screen before the BROWSE screen was opened.

### Screen navigation

Folders and music files are displayed in a layered-tree type in the BROWSE screen.

- Use the wheel to select (highlight) a file or folder.
- When a folder is selected (highlighted), press the button to show the contents of that folder.
- When a file for folder is selected (highlighted), press the button to move one level upward.
- When a file or folder is selected (highlighted), press the QUICK button to open the QUICK pop-up menu.
- When a file is selected, press the ENTER/MARK button to return to the Home Screen and load the file. The folder that contains this file becomes the current folder (the currently selected folder), and recorded files will be saved to this folder.
- When a file is selected, press the button to return to the Home Screen and play the file.
- When a folder is selected, press the ENTER/MARK button to return to the Home screen and load the first file in that folder. This folder becomes the current folder (the currently selected folder), and recorded files will be saved to this folder.

### Icons on the BROWSE screen

The meanings of icons that appear on the BROWSE screen are as follows.

**MUSIC folder**

In the BROWSE showing the ROOT level, the MUSIC folder is displayed at the top.

**Audio file**

This icon appears before the name of a music file.

**Folder**

This folder contains a sub-folder.

**Folder in display**

Contents of this folder is currently in display.

**New folder**

A new folder will be created.

### File operations

Select (highlight) the desired audio file in the BROWSE screen, and press the QUICK button to open the following QUICK pop-up menu.

Use the wheel to select (highlight) an item, and press the ENTER/MARK button. Either of the following actions will start according to the selected item.

**INFORMATION**

Information about the selected file (date/time, size) will pop up.

Press the button again to return to the BROWSE screen.
5 – Operating Files and Folders (4 CH Mode Only)

FILE DELETE
A pop-up message appears to confirm that the deletion of the selected file.

Press the ENTER/MARK button to delete the file, and press the ◄ HOME button to cancel the delete operation.

Folder operations

Select the desired folder on the BROWSE screen and press the QUICK button to open the QUICK pop-up menu that is shown below.

Use the wheel to select (highlight) an item, and press the ENTER/MARK button. Either of the following actions will start according to the selected item.

SELECT
Returns to the Home screen and selects the first file in the folder. In addition, the recorded files are saved in the selected folder.

ALL DELETE
A pop-up message will appear to confirm deletion of all files in the selected folder.

Press the ENTER/MARK button to delete the files, and press the ◄ HOME button to cancel the delete operation.

NOTE
• Read-only files and unrecognized files by the DR-44WL will not be deleted.
• Files on different levels of the selected folder will not be deleted.
• To delete all the files in the root folder (MUSIC) at the same time, move to the top level in the BROWSE screen, select the MUSIC folder and selects ALL DELETE from the Quick menu.

Creating a new folder

A NEW FOLDER is available at the bottom of each folder.

1. Select (highlight) NEW FOLDER, and press the ENTER/MARK or ► button to confirm creation of a new folder.

2. Press the ENTER/MARK button to create a new folder. Press the ◄ HOME button to cancel creation of a new folder.

NOTE
The DR-44WL is not designed to handle folders with three or more layers, and therefore the NEW FOLDER does not exist in a folder with two layers.

A newly created folder becomes the current folder (currently selected folder), and recorded files are saved in this folder.
6 – Managing Songs (MTR Mode only)

In the MTR mode of this recorder, one track (recording data group) is treated as one song and data is managed on a song basis. For one song, four tracks and a master file after mixing down are saved.

To record or create music, a song being created needs to be loaded or a new song needs to be created.

This chapter describes basic operations such as a method for loading songs and a procedure for creating new songs as well as various functions to manage songs.

### Song Operation

Select (highlight) the desired song file on the **SONG** screen, and press the **QUICK** button to open the QUICK pop-up menu below.

Use the wheel to select (highlight) the desired item, and press the **ENTER/MARK** button. Then, the unit operates as follows:

**LOAD**

Loads the selected song.

**CREATE**

Creates a new song.

**INFORMATION**

Information about the selected song (date/time, size) will pop up.

**RENAME (V1.10 supported)**

Edits the name of the selected song.

**DELETE**

Deletes the selected song.

### Loading Songs

Use the following procedure to load the song you want.

1. Set the mode to **MTR** mode. (See “Selecting Operation Mode” on page 17.)
2. Press the **MENU** button when the recorder is stopped to open the **MENU** screen.
3. Using the wheel, select (highlight) **SONG** and press the **ENTER/MARK** or ➪ button.
   The **SONG** screen will be displayed.

   **NOTE**

   The * icon appears for a song currently being loaded.
4. Use the wheel to select (highlight) the desired song and press **QUICK** to open the QUICK pop-up menu below.

   **NOTE**

   After selecting (highlighting) the desired song, press the **ENTER/MARK** button to load the selected song and return to the **Home screen**.

5. Using the wheel, select (highlight) **LOAD** and press the **ENTER/MARK** button.
   The selected song will be loaded, and the pop-up will disappear.
   The icon * will move to the selected song.

6. Press the ■/HOME button to return to the Home screen.
6 – Managing Songs (MTR Mode only)

Creating a New Song

Use the following procedure to create a new song.

1. Set the mode to MTR mode. (See “Selecting Operation Mode” on page 17.)
2. Press the MENU button when the recorder is stopped to open the MENU screen.
3. Using the wheel, select (highlight) SONG and press the ENTER/MARK or ► button.
   The SONG screen will be displayed.
4. Press the QUICK button to open the QUICK pop-up menu and use the wheel to select (highlight) CREATE.

   ![Quick Menu]

5. Press the ENTER/MARK button to open the QUICK pop-up menu for setting the format for a new song.

   ![Quick Menu]

6. Use the wheel to set the format of the new song.
   Options: 44.1kHz - 16bit (default), 44.1kHz - 24bit, 48kHz - 16bit, 48kHz - 24bit
7. Press the ENTER/MARK button to create the new song.
   Press the 8/HOME button to return to the SONG screen.

8. Edit the name (title) of the song as necessary. (See “Song Operation” on page 34.)

   ![Song Name]

9. Press the 8/HOME button to return to the Home screen.

   ![Home Screen]

   **NOTE**
   The song to be created will be named according to the settings of the TYPE item on the FILE NAME screen.
8. Edit the name (title) of the song as necessary. (See “Song Operation” on page 34.)

   **TIPS**
   The song name (title) can also be edited later using RENAME in the QUICK menu. The song name can also be edited when saving the song.
9. Press the 8/HOME button to return to the Home screen.

   **NOTE**
   The “MTR” folder must always contain at least one song. For this reason, when you insert or format an SD card, for example, a new song will be created.
Deleting songs

You can delete songs. We recommend deleting unnecessary songs when the SD card space is low.

1. Set the mode to MTR mode. (See “Selecting Operation Mode” on page 17.)
2. Press the MENU button when the recorder is stopped to open the MENU screen.
3. Using the wheel, select (highlight) SONG and press the ENTER/MARK or ► button. The SONG screen will be displayed.
4. Use the wheel to select the song that you want to delete.
5. Press the QUICK button to open the quick pop-up menu, and use the wheel to select DELETE.

6. Press the ENTER/MARK button to delete the selected song and return to the SONG DELETE screen.

7. Press the ENTER/MARK button to delete the selected song.
8. Press the □/HOME button to return to the Home screen.

NOTE

The “MTR” folder must always contain at least one song. For this reason, when you insert or format an SD card, for example, a new song will be created.
**Playback**

When playback is stopped on the Home screen, press the ►/II button to start playing.

**NOTE**

You can also choose files for playback by name on the BROWSE screen.

**Pausing**

Press the ►/II button to pause playback at the current position (pause) when playing a track on the Home screen. Press the ►/II button again to resume playback from the previous position.

**Stopping**

When you press ■/HOME button while a track is being played back on the Home screen, the playback is paused. Press ■/HOME button again to stop playback at the beginning of a file.

**Fast-rewinding and fast-forwarding (search)**

During playback when the Home screen is open, press and hold the ◀/▶ button to search backward/forward.

**NOTE**

Press and hold the ◀ button or ◀▶ button to increase the search speed.

**Moving the playback position**

Use the wheel to move the playback position while the playback is stopped or paused on the Home screen. After you have moved the playback position, the playback is paused.

**Selecting a playback file (skip)**

When the Home screen is open, press the ◀/▶ button or the ►/II button to select the file you want to play. When you press the ◀/▶ button while playback of the file is in progress, it will return to the beginning of the file. When you press the ◀/▶ button, it will skip to the beginning of the previous file. To skip to the next file, press the ►/II button at the beginning of in the middle of a file.

**NOTE**

- The track name, file number and other file information for the currently playing track appear on the display.
- When playback was stopped at the beginning of a file, the status □ icon will appear on the screen. When playback was stopped in the middle of a file, the status ■ icon will appear on the screen.
- To move a file, press the ◀/▶ button or ◀/▶ button repeatedly as many times as needed.

---

**Special Playback Control Functions**

Using the unit’s playback control functions, you can play back a selected section of a track repeatedly. You can also change the playback speed without changing the pitch or change the pitch without changing the playback speed. You can use these playback control functions to practice and learn musical passages effectively.

**Playback Control Screen**

Use the PLAY FUNCTION screen to set the playback control functions. Loop playback, playback speed change, and key change can be made in this mode. Set the playback control functions using the following method.

1. While the Home screen is open and the unit is stopped, paused, or playing back, press QUICK to open the QUICK pop-up menu.
2. Using the wheel, select (highlight) PLAY FUNCTION and press ENTER/MARK button. The PLAY FUNCTION screen is displayed.

3. Press the QUICK button to open the PLAY FUNCTION screen Quick pop-up menu.

**LOOP ON/OFF**

Use to turn loop playback on and off. (See “Repeated Playback of Selection (Loop Playback)” on page 38.)

**IN CLEAR**

This clears only the loop IN (starting) point. (See “Clearing IN and OUT points only” on page 38.)

**OUT CLEAR**

This clears only the loop OUT (ending) point. (See “Clearing IN and OUT points only” on page 38.)

**SPEED**

Open a pop-up where you can change the playback speed. (See “Changing the playback speed (VSA)” on page 38.)

**KEY**

Open a pop-up where you can change the key. (See “Key control playback” on page 39.)

**FINE TUNE**

Open a pop-up where you can change the key. (See “Key control playback” on page 39.)

4. Use the wheel to select a Quick menu item and press the ENTER/MARK button.
5. After you finish making settings on this screen, press the ■/HOME button to return to the Home screen.
Repeated Playback of Selection (Loop Playback)

With this function, you can continuously repeat (loop) the playback of a selection that you make.

1. When the PLAY FUNCTION screen is open, press the ►/▶ button to start playback, and press ENTER/MARK button at the start point of the section that you want to start loop playback.

   This position is set as IN (start) point.
   The icon will light up at the playback position under the playback indicator bar.

2. Press ENTER/MARK button at the end point of the section that you want to start loop playback.

   This position is set as OUT (end) point, and the unit will playback the section between the loop playback IN and OUT points.
   The icon will light up at the playback position under the recording status indicator.
   During loop playback, the icon lights up under the playback indicator bar.
   Press the ■/HOME button return to the Home screen while maintaining the IN (start) and OUT (end) points and loop settings enabled. On the Home screen, the icon lights up and the icon lights up at the position corresponding to IN (start) and OUT (end) points under the playback indicator bar.

NOTE

- **The I/O Too Short pop-up message will appear when the IN-OUT points are too close. Please reset by spacing at least one second in between.**
- Press ENTER/MARK button again to clear the IN and OUT points.
- To stop loop playback, set the PLAY FUNCTION screen Quick menu LOOP ON/OFF to OFF. When off, icon disappears from the Home screen. Set LOOP ON/OFF to ON again to enable loop playback between the set IN and OUT points.
- You cannot set the IN and OUT points in different files.
- The previous IN and OUT point settings are lost when you set the IN point in a different file.
- MP3 files with VBR (variable bit rate) format may affect the accuracy of the IN and OUT points settings.

Clearing IN and OUT points only

1. When the PLAY FUNCTION screen is open, press QUICK to open the QUICK pop-up menu on the PLAY FUNCTION screen.
2. Using the wheel, select (highlight) IN CLEAR or OUT CLEAR and press ENTER/MARK button.

   The set IN and OUT points will be cleared.

Changing the playback speed (VSA)

The DR-44WL has a built-in VSA (Variable Speed Audition) function to change the playback speed without changing its pitch.

**CAUTION**

The VSA function will not work when you select a file recorded at a sampling rate of 96 kHz or three or more channels (tracks) exist in MP3. However, the icon is displayed, and the setting of the playback speed can be changed.

To enable the settings of playback speed when a file recorded at a sampling frequency of 44.1 kHz or 48 kHz is loaded by using the ►/▶ button or ►/▶ button.

1. When the PLAY FUNCTION screen is open, press QUICK to open the QUICK pop-up menu on the PLAY FUNCTION screen.
2. Using the wheel, select (highlight) SPEED and press ENTER/MARK button.

   The screen for changing playback speed will be popped up.

3. Use the wheel to change the settings of playback speed.
   Options: X0.5 - X2.0 (default value: per X1.0, X0.1)
4. Press ENTER/MARK button to finalize the setting and return to open the QUICK pop-up menu on the PLAY FUNCTION screen.
5. Press ■/HOME button to the Home screen while maintaining the set playback speed enabled.

   When the playback speed is larger than 1.0, the icon appears or when it is smaller than 1.0, the icon appears at the top of the Home screen.
Key control playback

The DR-44WL can change the playback key (pitch) using its key control function.

In the key control function, the **KEY** item and **FINE TUNE** item are available. The **KEY** item can adjust in ±6 half-tone, and the **FINE TUNE** item can move the key up or down in ±50 cents.

**CAUTION**

*The key control playback cannot be used when a file recorded with a 96kHz sampling frequency or an MP3 with three or more channels (tracks) is selected. However, the **KEY** icon will still appear and the playback speed can still be changed.*

This function will not affect this file, but it will become effective if you return to the Home screen and use the **<<** and **►►** buttons to select a file recorded with a 44.1kHz or 48kHz sampling frequency.

1. When the **PLAY FUNCTION** screen is open, press **QUICK** to open the QUICK pop-up menu on the **PLAY FUNCTION** screen.

2. Using the **wheel**, select (highlight) **KEY** or **FINE TUNE** and press **ENTER/MARK** button.

   The screen for changing keys will be popped up.

3. Use the **wheel** to change the key settings.

   **Options**
   - When **KEY** is selected: +6 - 6 (default value: 0, per half-tone)
   - When **FINE TUNE** is selected: -50 + 50 (default value: +0, per cent)

4. Press **ENTER/MARK** button to finalize the setting and return to open the QUICK pop-up menu on the **PLAY FUNCTION** screen.

5. Press **■/HOME** button to the Home screen while maintaining the set playback speed enabled.

   When the key control function is on, **KEY** appears at the top of the Home Screen.
8 – QUICK Button Operation

QUICK button overview

The **QUICK** button allows you to do the following things.

- While the playback is stopped or paused on the Home screen, the QUICK pop-up menu for displaying current file information, setting playback control functions, or mixing down will be displayed.

<table>
<thead>
<tr>
<th>Screen State</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stopped/paused</td>
<td>Displays file information (only in the 4CH mode)</td>
</tr>
<tr>
<td></td>
<td>Playback Control Screen</td>
</tr>
<tr>
<td></td>
<td>Clears peak hold of a level meter</td>
</tr>
<tr>
<td></td>
<td>Deletes and splits a file (only in the 4CH mode)</td>
</tr>
<tr>
<td></td>
<td>Mixing down</td>
</tr>
<tr>
<td></td>
<td>Clear track function (only in MTR mode)</td>
</tr>
<tr>
<td></td>
<td>Bounce function (only in MTR mode)</td>
</tr>
<tr>
<td></td>
<td>Master track function (only in MTR mode)</td>
</tr>
</tbody>
</table>

**QUICK menu display while playback is stopped or paused when in 4CH mode**

During playback, the QUICK pop-up menu for displaying current file information, setting playback control function, or clearing peak hold of the level meters will appear.

**QUICK menu display during playback on the Home screen when in 4CH mode**

In recording standby or recording mode, the QUICK pop-up menu for displaying current file information or clearing peak hold of the level meters will appear.

**QUICK menu display during recording standby on the Home screen**

- The QUICK pop-up menu for operating the selected file or folder appears on the **BROWSE** screen or **SONG** screen.

**NOTE**

What appears on the QUICK menu is different in operation, depending on the state of the unit when QUICK is pressed.

- While playback is stopped or paused on the Home screen, the following functions can be selected.

**Quick menu operation**

Press **QUICK** when the Home screen is open to display the QUICK pop-up menu.

Use the wheel to select (highlight) the desired QUICK menu item, and press **ENTER/MARK** button to get the unit to work as follows:

**NOTE**

When the **MENU** screen or the **REC SETTING** screen is open for various settings, the QUICK button is disabled.
QUICK menu display while playback is stopped or paused when in MTR mode

INFORMATION (only in 4CH mode):
The current file or song information is displayed.

PLAY FUNCTION:
The PLAY FUNCTION screen is displayed. (See “Special Playback Control Functions” on page 37.)

PEAK CLEAR:
Clears the peak level displayed on the level meter.

DELETE (only in 4CH mode):
A pop-up message appears to confirm that you want to delete the current file. (See “Song Operation” on page 34.)

DIVIDE (only in 4CH mode):
The current file can be divided manually. (See “Dividing the selected file manually (DIVIDE)” on page 42.)

AUTO DIVIDE (only in 4CH mode):
The current file can be divided at a mark position set in advance. (See “Dividing the selected file automatically (AUTO DIVIDE)” on page 43.)

MIXDOWN:
This function combines four channels (two or more files) into two right and left channels (one file). The effect level, volume balance, and right and left positions can be freely set on the MIXER screen. (See “Song Operation” on page 34.)

BOUNCE (MTR mode only):
This function can be used to bounce tracks in the current song. (See “Song Operation” on page 34.)

TRACK CLEAR (MTR mode only):
This function can be used to delete one track at a time in the current song. (See “Song Operation” on page 34.)

MASTER TRACK (MTR mode only):
The master track created can be loaded. (See “Loading master tracks (MTR mode only)” on page 45.)

• During playback on the Home screen, the following functions can be selected.

Closing the Quick menu
Press QUICK to close the Quick menu screen.
Deleting the selected file (Quick Delete, only when in 4CH mode)

The currently selected file can be deleted without using the BROWSE screen.
1. Press the ← button or the → button to select the file you want to delete.
2. While the Home screen is open when stopped, press QUICK to open the QUICK pop-up menu.
3. Use the wheel to select DELETE and press the ENTER/MARK button.
   The following pop-up confirmation message will appear.

4. Press ENTER/MARK button to delete a file and return to the Home screen.
   Press 8/HOME button to cancel the delete operation and return to the Home screen.

NOTE
When you use the DELETE item from the Quick menu on the Home screen to delete, files for all the currently selected channels will be deleted.
When you use the FILE DELETE item from the Quick menu on the BROWSE screen to delete a file, deletion of individual files is possible.

Dividing the selected file (4CH mode only)

A recorded file can be divided into two manually or at a mark position.

CAUTION
- MP3 files cannot be divided.
- If the SD card has insufficient open space, division might not be possible.
- Division is not possible if the file name would become more than 200 characters long.
- Division is not possible if a file that already exists has the same name as the name that would be given to a new file created by division.

Dividing the selected file manually (DIVIDE)

A recorded file can be divided into two at a desired position.
1. Use the ← button, → button, or the BROWSE screen to select the file you want to divide.
2. While the Home screen is open when stopped, press QUICK to open the QUICK pop-up menu.
3. Use the wheel to select DIVIDE and press the ENTER/MARK button.
   The DIVIDE screen shown below will appear.

4. Use the wheel to determine the position where you want to divide the file and press RECORD.
   The following confirmation message will pop-up:

   4:00:1:15
   <DIVIDE>
   Are you sure?
   YES NO

5. Press ENTER/MARK button to return to the Home screen after deleting the file.
   Press 8/HOME button to return to the DIVIDE screen without dividing the file.

NOTE
- When the DIVIDE screen is open, you can press the ➔/ ● button and set the divide position while playing the track.
- When the DIVIDE screen is open, press the ➔/ ● button to play, the 8/HOME button to pause, the ← button to move to the beginning of a file or the → button to move to the end of a file. Use the wheel to make fine adjustments of the division position.
- After a file is divided, files with _a or _b added to the end of file names will be created.
   (Example of files recorded in 4CH mode)
   File name before division
   140826_0001S12.wav
   140826_0001S34.wav
   File name after division
   140826_0001_aS12.wav (before the dividing point)
   140826_0001_aS34.wav (before the dividing point)
   140826_0001_bS12.wav (after the dividing point)
   140826_0001_bS34.wav (after the dividing point)

   - When multiple files are currently selected, multiple files are divided at a time.

CAUTION
- Division may not be available when there is not enough space on SD card.
- File name with more than 200 characters cannot be divided.
- File cannot be divided when there is a file name identical to that of the post-divided file.

TIPS
You can add cue marks during recording at the position you want to divide. (See “Create cue marks during recording” on page 27.)
Dividing the selected file automatically (AUTO DIVIDE)

Use the AUTO DIVIDE function to automatically divide an already recorded file at positions where marks have been added.

**NOTE**

See "Create cue marks during recording" on page 27 for details about how to add marks.

1. Select a file to be divided at marks using the and buttons or the BROWSE screen.
2. While the Home Screen is open when stopped, press the QUICK button to open the Quick pop-up menu.
3. Use the wheel to select AUTO DIVIDE and press the ENTER/MARK button.
   The following pop-up confirmation message will appear.

   ![Quick Pop-up Menu]

   **NOTE**
   If the file does not have any marks, a Can’t Divide No Mark pop-up message will appear.

4. Press the ENTER/MARK button to divide the file and return to the Home screen.
   Press the HOME button to cancel division and return to the Home screen.

**NOTE**

- After dividing a file, new files with _01, _02 and _03 added to the end of the original file name are created in order.
  Example: 2 marks
  File name before division
  140826_0001.wav
  File names after division
  140826_0001_01.wav  140826_0001_02.wav  140826_0001_03.wav

- When used together with the automatic marking function, long recordings can automatically be divided into files with individual songs. (See "Add cue marks automatically during recording" on page 28.)

Deleting track input (MTR mode only)

1. Set the mode to MTR mode. (See “Selecting Operation Mode” on page 17.)
2. Lord the song in which you want to delete tracks on the SONG screen. (See “Loading Songs” on page 34.)
3. While the Home Screen is open when stopped, press the QUICK button to open the Quick pop-up menu.
4. Use the wheel to select TRACK CLEAR and press the ENTER/MARK button.
   This opens a pop-up where you can select the track to delete.

   ![Track Clear Pop-up]

5. Use the wheel to select (highlight) tracks you want to clear and press ENTER/MARK button.
   The following confirmation message will pop-up:

   ![Confirmation Message]

6. Press ENTER/MARK button to return to the Home screen after deleting the selected tracks.
   Press the HOME button to return to the Home screen without clearing tracks.
8 – QUICK Button Operation

Track bounce (MTR mode only)

Use the track bounce (ping-pong recording) function to combine recorded tracks 1 - 4 into one track.
This function allows you to record on tracks 1 - 2 after mixing down tracks 1 - 4 (stereo bounce) or to record on track 1 by mono mixing tracks 1 - 4 (mono bounce).

When recorded on the playback track itself, the original playback track is naturally cleared (the drum part in Track 1 - 2 is overwritten in the illustration above).

Bouncing tracks

1. Set the mode to MTR mode. (See “Selecting Operation Mode” on page 17.)
2. On the SONG screen, load songs in which you want to bounce tracks. (See “Loading Songs” on page 34.)
3. Press TRACK/INPUT for the track you want to use as bounce destination and make TRACK/INPUT blink.
   Among tracks selected as bounce destinations, the left channel of the mixed-down stereo source will overwrite the odd track and the right channel will overwrite the even track.
4. Press MIXER to open the Mixer screen and adjust PAN knob and the LEVEL knob for each track. (See “Setting the mixer” on page 46.)

For mono bounce to odd-numbered track, set the PAN knob to L 1 2. For mono bounce to even-numbered track, set the PAN knob to R 1 2.
Adjust the overall level with the master level knob.
5. When the Mixer screen is open, press MIXER to return to the Home screen.
6. When playback is stopped or paused or when playing back, press QUICK to open the QUICK pop-up menu.

7. Using the wheel, select (highlight) PLAY FUNCTION and press ENTER/MARK button. The PLAY FUNCTION screen is displayed.

8. Set the IN and OUT points of bounce as the loop playback section. (See “Repeated Playback of Selection (Loop Playback)” on page 38.)

   NOTE
   When the IN/OUT points are not set, bounce from 00:00:00 to the final point of recording.
9. Press ■/HOME button to return to the Home screen, and press QUICK to open the QUICK pop-up menu.
10. Using the wheel, select (highlight) BOUNCE and press the ENTER/MARK button.
    The following confirmation message will pop-up:

11. Press ENTER/MARK button to start track bounce and return to the Home screen after bouncing.
    Press the ■/HOME button to return to the Home screen without track bouncing.

Confirming the results of bouncing

Lift the LEVEL knob for the track at the bounce destination and the master level knob (set the LEVEL knob for other tracks to minimum) to play back.
After bouncing tracks, you can record again ( overdub) to the bounced tracks

TIPS
If it may be necessary to have the original track at a later date, back up the song data on your computer before bouncing (ping-pong recording). (See “11 – Connecting with a computer” on page 50.)
Mixing down

This function combines multiple files into a single stereo file. Adjustments of the effect level (SEND), right and left positions (PAN), volume balance (LEVEL) can be freely set on the MIXER screen. (See “Setting the mixer” on page 46.)

1. Use the ◀◀/▶▶ button to select file you want to mix down on the BROWSE screen for 4CH operation mode or on the SONG screen for MTR operation mode. (See “Selecting Operation Mode” on page 17.)
2. While the Home Screen is open when stopped or paused, press the QUICK button to open the Quick pop-up menu.
3. Using the wheel, select (highlight) MIXDOWN and press the ENTER/MARK button.

The following confirmation message will pop-up:

4. Press ENTER/MARK button to start mixing down return to the Home screen after mixing down. Press the ◀▶/HOME button to return to the Home screen without mixing down files.
5. After mixdown completes, the Home screen reopens, and the mixdown file that was created is loaded. In this state, you can press the ►/II button to play the mixdown file.

NOTE
• When a mixdown file is created, it is named by adding an incremental number to the end of the name of the file used before mixdown.
• When files created in 4CH mode are mixed down, a file is created with “MIX” added to the end of the file name.

Loading master tracks (MTR mode only)

A file mixed down from files created in MTR mode can be loaded.

1. Set the operation mode to MTR. (See “Selecting Operation Mode” on page 17.)
2. Load the mixdown file on the SONG screen. (See “Loading Songs” on page 34.)
3. While the Home Screen is open when stopped or paused, press the QUICK button to open the Quick pop-up menu.
4. Use the wheel to select MASTER TRACK and press the ENTER/MARK button. This loads the master track and reopens the Home screen.

NOTE
The MASTER icon appears at the top of the Home screen when a master track is loaded.
If there is no master file, a NO MASTER TRACK pop-up message will appear.
5. Press the ►/II button to start playback of the master file.

NOTE
After loading the master track, select MULTI TRACK from the Quick menu and press the ENTER/MARK button to return to ordinary MTR mode.
9 – Mixer

The mixer functions that can be used for setting a built-in effect, right and left positions and volume balance for each channel are available.

Recording sound can be finely changed by setting these during mixing down or playback. (See “Mixing down” on page 45.)

Setting the mixer

1. When the Home screen is open, press MIXER to open the Mixer screen.

   ![Mixer screen in 4CH mode]

   Stereo Link is set

   MS decoder is used

2. Use the wheel to select (highlight) an item you want to change.

3. Press ENTER/MARK button to pop up setting items and settings on the left.

4. Use the wheel to change the setting.

<table>
<thead>
<tr>
<th>Items</th>
<th>Options</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEND</td>
<td>0 - 100</td>
<td>Adjusts the forwarding level of the selected reverb (See “Reverb function” on page 48.). (0: Minimum to 100: Maximum)</td>
</tr>
<tr>
<td>PAN</td>
<td>L12 - C - R12</td>
<td>Adjusts the balance between the right and left channels. (L12: Left - C: Center - R12: Right)</td>
</tr>
<tr>
<td>LEVEL</td>
<td>0 - 100</td>
<td>Adjusts the volume balance between the right and left channels. (0: Minimum to 100: Maximum)</td>
</tr>
<tr>
<td>RTN</td>
<td>0 - 100</td>
<td>Adjust the total volume of the signals with reverb applied sent from the SEND buses of each channel (track).</td>
</tr>
</tbody>
</table>

5. Press the ENTER/MARK button to return to the original position where you can select the position to change the setting next time.

**NOTE**

- Operation is available in any mode when playing back, stopped, paused, or in recording standby or recording.
- While the Mixer screen is open, press the ▶/■ button to play back or press ■/HOME button to pause the playback.
10 – Useful functions

Tuner function (compatible with V1.10)

A guitar and wind instruments can be tuned using a built-in chromatic tuner.
The tuner incorporated into this unit has chromatic tuner mode that allows tuning of musical instruments while looking at the tuning meter and oscillator mode that outputs reference sounds.

Chromatic tuner

1. Connect a guitar or bass to the EXT MIC/LINE IN 1/L 2/R jack.
   Tune wind instruments using the built-in microphone.
2. Press the MENU button to open the MENU screen.
3. Using the wheel, select (highlight) TOOLS and press the ENTER/MARK or ➪ button.
   TOOLS screen appears.
4. Use the wheel to select TUNER and press the ENTER/MARK or ➪ button.
   TOOLS appears selected for the TUNER item.
5. Press the ENTER/MARK button to open the TUNER screen.
6. Use the wheel to select MODE and press the ENTER/MARK button.
7. Use the wheel to set the tuner mode to CHROMATIC. Options: CHROMATIC (default value), OSC.
8. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
9. Use the wheel to select CALIB and press the ENTER/MARK button.
10. Use the wheel to set the standard frequency of A4.
    Range: 435Hz – 445Hz (default: 440Hz)
11. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
12. Use the wheel to select SOURCE and press the ENTER/MARK button.
13. Use the wheel to set the input for the sound to be tuned.

<table>
<thead>
<tr>
<th>Options</th>
<th>Input destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT L</td>
<td>Input from right front side of built-in stereo mic (default)</td>
</tr>
<tr>
<td>INT R</td>
<td>Input from left back side of built-in stereo mic</td>
</tr>
<tr>
<td>EXT 1</td>
<td>Input from EXT MIC/LINE IN 1/L jack</td>
</tr>
<tr>
<td>EXT 2</td>
<td>Input from EXT MIC/LINE IN 2/R jack</td>
</tr>
</tbody>
</table>
14. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.
15. Perform tuning by playing a musical instrument.
   The note that is closest to the sound you played is shown at the top of the tuning meter.
   Tune the musical instrument so that the note you want to match is shown and the center of the tuning meter lights up.
   A bar appears on the left or right of the center if the sound is lower or higher than the target pitch. The bar becomes longer as the sound shifts away from the target pitch.

When the sound played matches the note exactly, ➪ on the right and left of the note lights up.
16. Once tuning has been completed, press HOME button to return to the Home screen.

Oscillator mode

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) TOOLS and press the ENTER/MARK or ➪ button.
   TOOLS screen appears.
3. Use the wheel to select TUNER and press the ENTER/MARK or ➪ button.
   TOOLS appears selected for the TUNER item.
4. Press the ENTER/MARK button to open the TUNER screen.
5. Use the wheel to select MODE and press the ENTER/MARK button.
6. Use the wheel to set the tuner mode to OSC. Options: CHROMATIC (default value), OSC.
7. Press ENTER/MARK button to change the TUNER screen to the oscillator mode display.

The following settings can be made in the oscillator mode display.

NOTE
Set the sound to output.
The setting range is from C3 to B5. (default value: A4)
LEVEL
Set the output level.
The setting range is from 0 (minimum) to 100 (maximum), (default value: 70)
8. Use the wheel and ENTER/MARK button to set NOTE and LEVEL.
9. Use the wheel and ENTER/MARK button to set SOUND to ON so that reference sound is output.
10 – Useful functions

10. Once tuning has been completed, set SOUND to OFF and press ■/HOME button to return to the Home screen.

Metronome function (compatible with V1.10)

Metronome operates when the METRONOME screen is open.
1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) TOOLS and press the ENTER/MARK or ▶▶ button.
TOOLS screen appears.
3. Use the wheel to select METRONOME and press the ENTER/MARK or ▶▶ button. Exec appears selected for the METRONOME item.
4. Press the ENTER/MARK button to open the METRONOME screen.

Set the following items on the METRONOME screen.

TEMPO
Set speed between 20 - 250 (BPM).
(default value: 120)

BEAT
Set beat between 1 - 9 (default value: 4)
This will accent the first beat.

SOUND
You can set the metronome sound to CLICK, STICK or BELL.
(default value: CLICK)

LEVEL
Set the metronome volume between 0 and 100.
(default value: 50)

5. Use the wheel to select the item to set and press the ENTER/MARK button. This shows the parameters for the item to be set.
6. Use the wheel to select the value. Press the ENTER/MARK button to confirm it and enable selection of other setting items.
7. Repeat steps 5 and 6 as necessary.
8. Press the ▶/ button to start the metronome. Press the ▶/ button to stop the playing metronome.

9. Once the setting has been completed, press the ■/HOME button to return to the Home screen.

Reverb function

A reverb is incorporated into this unit.
When recording or practicing, the input signal can be reverbed or the playback signal can be reverbed during playback.
When reverb function is ON, the REVERB icon will appear at the top of the home screen.

Setting the reverb function

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) REVERB and press the ENTER/MARK or ▶▶ button.
The REVERB screen is displayed.

The REVERB screen has four setting items.

REVERB:
Set the reverb on/off status (default value: OFF).

TYPE:
See the reverb type from the pre-set items. See “How to download and install the exclusive application (TASCAM DR CONTROL)” on page 51 for more details on reverb types.

SOURCE:
You can select input/output source to be reverbed from the following: (default value: MIX)

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIX (default value)</td>
<td>Enabled for SEND: Reverb can be added to the output sound. The recorded sound is not affected.</td>
</tr>
<tr>
<td>INT MIC</td>
<td>Enabled for input: Reverb can be added to the sound input from the built-in mic. Sound can be recorded with reverb added.</td>
</tr>
<tr>
<td>EXT IN</td>
<td>Enabled for input: Reverb can be added to the sound input from external mics and devices. Sound can be recorded with reverb added.</td>
</tr>
</tbody>
</table>
When MIX is sent, the forwarding level (SEND) to the effect of each signal can be set on the MIXER screen. (See “Setting the mixer” on page 46.)

**LEVEL:**

Use this to change the input/output level of the sound set with SOURCE to which reverb is applied. Settings can be selected from $0 - 100$. (default value: 70)

3. Use the **wheel** to select (highlight) the desired item and press the ENTER/MARK or button to set options/values.

4. Use the **wheel** to set the desired option/value.

5. Press the ENTER/MARK button to confirm the setting and enable selection of other setting items.

6. Once the setting has been completed, press the button.

**CAUTION**

When sampling frequency is set to 96 kHz or the WAV file with 96 kHz sampling frequency is played back, the reverb function does not work. In this case, reverb can be set.

### Reverb type pre-set list

<table>
<thead>
<tr>
<th>Pre-set name</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALL 1 (default value)</td>
<td>A bright effect, like a spacious hall</td>
</tr>
<tr>
<td>HALL 2</td>
<td>A warm effect, like a spacious hall</td>
</tr>
<tr>
<td>ROOM</td>
<td>Small room effect</td>
</tr>
<tr>
<td>STUDIO</td>
<td>Studio effect</td>
</tr>
<tr>
<td>PLATE 1</td>
<td>Bright plate reverb</td>
</tr>
<tr>
<td>PLATE 2</td>
<td>Warm plate reverb</td>
</tr>
</tbody>
</table>
By connecting this unit with a computer using the USB cable, you can transfer audio files on the SD card in the unit to a computer, as well as transfer audio files on the computer to the SD card in the unit. This unit can handle audio files of the following formats.

- WAV : 44.1k/48k/96kHz, 16/24 bit
- BWF : 44.1k/48k/96kHz, 16/24 bit
- MP3 : 44.1k/48kHz, 32k/64k/96k/128k/192k/256k/320kbps

**NOTE**

- Instead of connecting the DR-44WL a computer via USB, you can remove the SD card from the unit and insert directly (or with a card adapter) to the computer and make the same operation.
- Both WAV and BWF files will have the “.wav” extension.

**CAUTION**

- The DR-44WL will not operate when STORAGE is selected (highlighted) under USB connection.
- Please make a direct connection with the computer without using a hub.

When you connect a USB cable while the unit power is on, or turn on the power after making a connection, the USB SELECT screen will pop up, prompting the user to select either to operate the unit with USB bus power or make a USB connection with the computer.

**NOTE**

- Power is supplied from the USB port if the USB cable is connected to the unit that contains batteries (USB bus power prioritized).
- If an SD card is not properly inserted before making the USB connection, a Can’t Save Data pop-up message will appear.
- When you open “computer”, DR-44WL appears on the computer screen as an external drive with a volume label of “DR-44WL”.

---

### Transferring files to a computer

1. Click the “DR-44WL” drive on the computer screen to show the “MTR,” “MUSIC” and “UTILITY” folders.
2. Open the “MTR” or “MUSIC” folder and drag and drop the files that you want to transfer to the destinations of your choice on the computer.

---

### Transferring files from a computer

1. Click the “DR-44WL” drive on the computer screen to show the “MTR,” “MUSIC” and “UTILITY” folders.
2. Drag and drop files on the computer that you want to transfer to the unit to the “MTR” or “MUSIC” folder.

**TIPS**

- You can manage the “MTR” or “MUSIC” folder from the computer.
- You can create a sub-folder in the “MUSIC” folder. The DR-44WL can create up to two layers. The DR-44WL cannot recognize sub-folders and files located at the third layer level or below.
- If you name sub-folders and music tracks, these names will appear on the Home screen or BROWSE screen of this unit.

**NOTE**

- The “UTILITY” folder is used when updating the unit system, for example.
- Do not change names, delete or otherwise alter individual files inside the “MTR” folder.

---

### Disconnecting the unit from a computer

When disconnecting the DR-44WL from the computer, make sure to follow the correct steps and remove the USB cable. The power turns off after the unit completes its shutdown (standby) process.

See the computer’s operation manual for instructions on how to unmount an external volume.
Connect the unit and smart phone via Wi-Fi

**CAUTION**

The DR-44WL designs are in conformance with the laws and regulations of the countries and regions in which this unit is sold, and labeled as required.

The DR-44WL is approved in the following countries and regions:

- United States, Canada, Europe (EU member states),
- Australia, New Zealand, Japan

The use of wireless functions in a country other than those listed above could result in a violation of that country’s wireless transmission laws.

Our company will bear no responsibility for use in countries other than those listed above.

**TIPS**

- The battery will drain faster during Wi-Fi use.
- Running out of batteries during data transfer will terminate the process and may result in transfer failure.
- We recommend using either the AC adapter or USB bus power during Wi-Fi use.

The DR-44WL is designed for remote control with the use of an exclusive application (TASCAM DR CONTROL), free of charge. Transport control such as playback and stop, as well as input level adjustment and file transfer can be made via Wi-Fi.

How to download and install the exclusive application (TASCAM DR CONTROL)

1. Connect your smart phone to the Internet.
2. Search the exclusive application (TASCAM DR CONTROL) and download from either Google Play (Android smart phone) or App Store (iOS device) for installation.

Connecting the DR-44WL to a smart phone via Wi-Fi for the first time

The DR-44WL can make a Wi-Fi/peer-to-peer connection with a smart phone via Wi-Fi, without the use of a router or other external devices. No Wi-Fi network environment is required. It can make direct connection with your smart phone.

**NOTE**

During Wi-Fi/peer-to-peer connection, the smart phone cannot connect to an external Wi-Fi network.

When using an iOS terminal

1. Press the Wi-Fi button of the DR-44WL; the Wi-Fi indicator will start to flash.
   - A NEW CONNECTION? pop-up message appears on the display to determine whether or not the connection is new.
2. You will be making a connection to a new smartphone, so press the ENTER/MARK button.

3. “SSID” and “PASSWORD” appear on the display.

**NOTE**

The "SSID" is the name of the wireless LAN access point (wireless LAN device).

4. In your iOS device, select “setting” → “Wi-Fi”.

5. When Wi-Fi is enabled on for your iOS device, it will display the SSID list of Wi-Fi equipment. Select the SSID displayed on the DR-44WL.

6. A password input screen appears on the iOS device. Enter the password shown on the display of the unit.

7. Wi-Fi connection is established between the DR-44WL and your smart phone, and the Wi-Fi indicator of the unit will light.
When using an Android device

1. Press the Wi-Fi button of the DR-44WL; the Wi-Fi indicator will start to flash.
   A NEW CONNECTION? pop-up message appears on the display to determine whether or not the connection is new.
2. You will be making a connection to a new smartphone, so press the ENTER/MARK button.
3. “SSID” and “PASSWORD” appear on the display.
4. In your Android device, select the “setting” \rightarrow “Wi-Fi”.
5. When you turn on Wi-Fi on your Android device, a Wi-Fi device SSID list appears. Select the SSID shown on the display of the unit.
6. A password input screen appears on the Android device. Enter the password shown on the display of the unit.
7. Wi-Fi connection is established between the DR-44WL and your smart phone, and the Wi-Fi indicator of the unit will light.

**NOTE**
The above description on operating the Android device are for reference only. Please refer to your smart phone’s operation manual for more details.

Connecting the DR-44WL to a smart phone via Wi-Fi (from second time onward)

When you establish a connection between the DR-44WL and your smart phone for the first time and need to connect them again, you only need to select the SSID from the second time onward.

When using an iOS terminal

1. Press the Wi-Fi button of the DR-44WL; the Wi-Fi indicator will start to flash.
   A NEW CONNECTION? pop-up message appears on the display to determine whether or not the connection is new.
2. Your smart phone already made a peer-to-peer connection; simply press the HOME button.
3. Pop-up message on the display disappears and the DR-44WL switches to a standby mode to connect to your smart phone.
4. In your iOS device, select “setting” \rightarrow “Wi-Fi”.
5. When Wi-Fi is enabled on for your iOS device, it will display the SSID list of Wi-Fi equipment. Select the SSID displayed on the DR-44WL.
6. Wi-Fi connection is established between the DR-44WL and your smart phone, and the Wi-Fi indicator of the unit will light.

When using an Android device

1. Press the Wi-Fi button of the DR-44WL; the Wi-Fi indicator will start to flash.
   A NEW CONNECTION? pop-up message appears on the display to determine whether or not the connection is new.
2. Your smart phone already made a peer-to-peer connection; simply press the HOME button.
3. Pop-up message on the display disappears and the DR-44WL switches to a standby mode to connect to your smart phone.
4. In your iOS device, select “setting” \rightarrow “Wi-Fi”.
5. When Wi-Fi is enabled on for your iOS device, it will display the SSID list of Wi-Fi equipment. Select the SSID displayed on the DR-44WL.
6. Wi-Fi connection is established between the DR-44WL and your smart phone, and the Wi-Fi indicator of the unit will light.
3. Pop-up message on the display disappears and the DR-44WL switches to a standby mode to connect to your smart phone.
4. In your Android device, select the “setting” ➾ “Wi-Fi”.
5. When you turn the Wi-Fi on your Android terminal, a Wi-Fi device SSID list appears. Select the SSID shown on the display of the unit.
6. Wi-Fi connection is established between the DR-44WL and your smart phone, and the Wi-Fi indicator of the unit will light.

**NOTE**
The above description on operating the Android device are for reference only. Please refer to your smart phone’s operation manual for more details.

### Using a smart phone to remote control the DR-44WL

The exclusive application (TASCAM DR CONTROL) uses the same interface of the DR-44WL, so the remote control operation is basically the same as operating this unit. Familiarizing yourself with the DR-44WL operation method will assist you in using the “TASCAM DR CONTROL” application.

1. When Wi-Fi connection is established between the DR-44WL and your smart phone, tap the installed “TASCAM DR CONTROL” application.
2. When the “TASCAM DR CONTROL” application is launched, the following screen will appear on your smart phone to remotely control the DR-44WL.

![DR-44WL Remote Control Screen](image)

Detailed descriptions, on the “TASCAM DR CONTROL” application, including the “TASCAM DR CONTROL reference manual”, can be downloaded from the TEAC Global Site (http://teac-global.com).

### File transfer from the DR-44WL to a smart phone

1. Tap the “Browse” button on the “TASCAM DR CONTROL” screen.
2. The “Browse” screen displays a list of files from the DR-44WL; select the file you want to transfer.
3. Detail screen on the selected file will appear; tap the “Copy” button.
4. A confirmation screen for file copy will appear; press the “YES” button to start file transfer from the DR-44WL to your smart phone.

### Connecting this unit to a computer by Wi-Fi

Transferring files from this unit to a computer is possible using the free TASCAM DR FILE TRANSFER software designed for this purpose. You can transfer recorded files by Wi-Fi.

### Downloading and installing the TASCAM DR FILE TRANSFER software

1. Connect the computer to the Internet.
2. Download TASCAM DR FILE TRANSFER from the TEAC Global Site (http://teac-global.com/) and install it.

### Connecting this unit to a computer by Wi-Fi for the first time

Since a direct Wi-Fi connection is used between the unit and the computer, no router or other external device is necessary. A Wi-Fi network is not necessary either. The connection can be made with just this unit and the computer.

**NOTE**
*When this unit and a computer are connected by Wi-Fi, the computer cannot be connected with other Wi-Fi networks.*

1. Press the Wi-Fi button of the unit to make the Wi-Fi indicator blink.
2. Since it is a new connection, press the ENTER/MARK button.

![Wi-Fi Connection Screen](image)

3. “SSID” and “PASSWORD” appear on the display.

**NOTE**
The “SSID” is the name of the wireless LAN access point (wireless LAN device).

4. Click the wireless connection icon in the computer taskbar/menu bar (Windows/Mac) to open a list of wireless networks.
12 – Using Wi-Fi

Connecting this unit to a computer by Wi-Fi after the first time

After the unit and the computer have been connected once, they can be connected again just by selecting the SS ID.

1. Press the Wi-Fi button of the unit to make the Wi-Fi indicator blink.
2. When the security key input screen appears on the computer, input the password shown on the display of the unit.
3. The Wi-Fi indicator on the unit lights when the Wi-Fi connection is established between the unit and the computer.

Transferring files from the unit to a computer

For details about the software download the TASCAM DR FILE TRANSFER Owner’s Manual from the TEAC Global Site (http://teac-global.com/).

Changing password

The password for Wi-Fi connection can be changed for security purpose.

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) TOOLS and press the ENTER/MARK or ► button.
3. TOOL S screen appears.
4. Use the wheel to select Wi-Fi and press the ENTER/MARK button.
5. Exec appears selected for the Wi-Fi item.
6. Press the ENTER/MARK button to open the Wi-Fi screen.
7. Each time when you press the RECORD button, the password will change.
8. Once the setting has been completed, press the HOME button to return to the Home screen.
13 – Settings and Information

View information (INFORMATION)

Use the INFORMATION screen to view various types of information about this unit.

Follow the below steps to display the INFORMATION screen:

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) SYSTEM and press the ENTER/MARK or ► button.
   SYSTEM screen appears.
3. Use the wheel to select INFORMATION and press the ENTER/MARK or ► button.
   EXEC appears selected for the INFORMATION item.
4. Press the ENTER/MARK button to open the INFORMATION screen.

The INFORMATION screen has the following pages.

5. Use the wheel to change the page.
   The following information appears on each page.
   PROJECT page (4 CH mode only):
   - Displays information about the currently loaded audio file.
   CARD/SYSTEM page:
   - Displays information on the inserted SD card, system settings and firmware version of the unit.

File information page (PROJECT) (4 CH mode only)

The PROJECT page displays information on the currently loaded audio file.

TOTAL MUSIC
Displays the number of playable files in the music folder.

TOTAL FOLDER
Displays the total number of folders in the music folder.

TOTAL SIZE
Shows the total SD card capacity.

USED SIZE
Displays the amount of used capacity on the SD card.

REMAIN SIZE
Displays available free space of the SD card.

System Ver.
Displays the system’s firmware version.

Wi-Fi Ver.
Displays the Wi-Fi firmware version.

SIZE
File size

Card and system information page (CARD/SYSTEM)

CARD and SYSTEM pages display information on the inserted SD card, system settings and firmware version of the unit.

TOTAL MUSIC
Displays the number of playable files in the music folder.

TOTAL FOLDER
Displays the total number of folders in the music folder.

TOTAL SIZE
Shows the total SD card capacity.

USED SIZE
Displays the amount of used capacity on the SD card.

REMAIN SIZE
Displays available free space of the SD card.

System Ver.
Displays the system’s firmware version.

Wi-Fi Ver.
Displays the Wi-Fi firmware version.

TITLE/FILE1-4
Shows the file name.
If an MP3 file has ID3 tag title information that information appears.

FORMAT
Shows the audio file type.
For WAV and BWF files, bit length, stereo/mono, and sampling frequency (Hz) also appear.
For MP3 files, the bit rate (kbps), CBR (constant bit rate) or VBR (variable bit rate) type, and sampling frequency (Hz) also appear.
(CBR: Constant Bit Rate, VBR: Variable Bit Rate)

DATE
Date of file creation

TIME
Time of file creation
Configuration (SYSTEM)

The SYSTEM screen allows you to initialize the setting of the unit and format the SD card.

Follow the below steps to display the SYSTEM screen:
1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) SYSTEM and press the ENTER/MARK or >/ button.

SYSTEM screen appears.

Use |<| button and |>| button, ENTER/MARK button and wheel to make settings for different items.

The following settings for each item can be made in the SYSTEM screen.

Setting the file name type

This unit can set name types of the recording files.

1. Use the wheel to select FILE NAME and press the ENTER/MARK or >/ button.

Example: 140101_0001S12.wav

The internal clock of the unit is used to set dates. (See “Setting the date/time” on page 14.)

Setting characters (WORD)

In the WORD item, use either the |<| button or the |>| button to move the cursor, and turn the wheel to set characters.

In addition to alphabets and numbers, the following characters can be used: ! # $ % & ' ( ) + , - . ; = @ [ \ ] ^ _ ` { } ~

Initializing the numbers (COUNT)

To execute, press ENTER/MARK button in the COUNT INIT item. All newly created files will be assigned with numbers set in the WORD item, starting from the 0001 count.

Restoring the DR-44WL to factory settings

Use the INITIALIZE item to execute initialization; this will restore the unit to factory settings.

1. Use the wheel to select INITIALIZE and press the ENTER/MARK or >/ button.

Example: TASCAM_0001S12.wav

2. Press the ENTER/MARK button to open a pop-up confirmation window.

3. Press the ENTER/MARK button to initialize the unit.

Press |<|/HOME button to cancel initialization.

Completely format a SD card

Use the MEDIA FORMAT item to format the SD card. Formatting erases all music files on the card and automatically creates new “MTR”, “MUSIC” and “UTILITY” folders as well as a “dr-1.sys” file.

1. Use the wheel to select MEDIA FORMAT and press the ENTER/MARK or >/ button.

Example: TASCAM_0001S12.wav

Press the ENTER/MARK button to open a pop-up confirmation window.

2. Press the ENTER/MARK button to execute the formatting.

Press |<|/HOME button to cancel the formatting.

CAUTION

When formatting the SD card, make sure that the unit is connected to either the dedicated AC adapter (GPE053B) provided with the unit or the USB bus power from a computer, or operating on fully-charged batteries. Formatting may not complete successfully if the battery runs out.
Power and display settings (POWER/DISPLAY)

Use the POWER/DISPLAY screen to set the power and display of the unit.
Follow the below steps to display the POWER/DISPLAY screen:

1. Press the MENU button to open the MENU screen.
2. Using the wheel, select (highlight) POWER/DISPLAY and press the ENTER/MARK or ► button.
   The POWER/DISPLAY screen will appear.

3. Use ◀◀ button and ►► button, ENTER/MARK button and wheel to make settings for different items.
   The following settings for each item can be made in the POWER/DISPLAY screen.

   **Auto power save function setting**
   Use the AUTO PWR SAVE item to set the time for automatic turn-off (standby mode), counting from the last operation.
   Options: OFF (no automatic turn-off), 3 min, 5 min, 10 min, 30 min (default value)

   **Battery type settings**
   Use the BATTERY TYPE item to set the battery type.
   This setting is used to display the remaining battery power and to calculate the minimum capacity for normal operation.
   Options: ALKAL (alkaline batteries, default value), Ni-MH (nickel-metal hydride batteries)

   **Set the voltage value of the phantom power supply**
   Use the PHANTOM VOLT item to set the voltage value of the phantom power supply to connect an external microphone that requires phantom power.
   Options: +24 V, +48 V (default value)

   **Backlight setting**
   Use the BACKLIGHT item to set the time for automatic turn-off of back-light in battery operation, counting from the last operation.
   Options: OFF (turned off), 5 sec (default value), 10 sec, 15 sec, 30 sec, ALWAYS (always turned on)

   **Adjusting the display contrast**
   Use the CONTRAST item to adjust the display contrast.
   Options: 1 - 20 (default value: 8)

   **Set the peak hold**
   Use the PEAK HOLD item to set the peak display of the level meter.
   Options: OFF, 1 sec (default value), HOLD

   **Note**
   Battery power will be consumed faster when set to +48 V than when set to +24 V.
The following is a list of pop-up messages. DR-44WL displays pop-up messages according to situations. Refer to this list when you want to know the meaning of each message and a method of dealing with a problem.

<table>
<thead>
<tr>
<th>Message</th>
<th>Details and solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Empty</td>
<td>The batteries are empty. Replace the batteries.</td>
</tr>
<tr>
<td>Can’t Divide</td>
<td>The selected division point is not appropriate for DIVIDE action. (Beginning of a file, end of a file)</td>
</tr>
<tr>
<td>Card Error</td>
<td>The SD card cannot be recognized properly. Replace the card.</td>
</tr>
<tr>
<td>Card Full</td>
<td>The SD card has no remaining capacity. Erase unnecessary files or transfer them to a computer.</td>
</tr>
<tr>
<td>Current File MP3</td>
<td>MP3 files cannot be divided.</td>
</tr>
<tr>
<td>Dup File Name</td>
<td>The name of the DIVIDE file to be created is identical to the name of the file that already exists in the same folder. The DIVIDE function adds “_a” or “_b” to the end of the file name. Before using the DIVIDE function, connect the DR-44WL to a computer and edit the file name.</td>
</tr>
<tr>
<td>File Full</td>
<td>The total number of folders and files exceeded the limit (5000). Delete unnecessary folders and files or move them to a computer.</td>
</tr>
<tr>
<td>File Name ERR</td>
<td>The DIVIDE function would cause the file name to exceed 200 characters. The DIVIDE function adds “_a” or “_b” to the end of the file name. Before choosing the DIVIDE function, connect the unit to a computer and edit the file name to less than 198 characters.</td>
</tr>
<tr>
<td>File Not Found</td>
<td>The file cannot be found or damaged. Check the target file.</td>
</tr>
<tr>
<td>File Not Found Make SyS File</td>
<td>System files required to operate the DR-44WL is missing. When this message appears, press the ENTER/MARK button to automatically create a system file.</td>
</tr>
<tr>
<td>File Protected</td>
<td>The file is read only and cannot be erased.</td>
</tr>
<tr>
<td>Format Error Format CARD</td>
<td>The SD card is not formatted properly or the card may be broken. This message also appears when a computer under USB connection formatted the card, or when an unformatted card is inserted to the unit. Always use the DR-44WL to format cards to be used with it. Replace the SD card with another or press the ENTER/MARK button while this message is being shown to format the card. Formatting will erase all the data on the SD card.</td>
</tr>
<tr>
<td>Invalid Card Change Card</td>
<td>The SD card may be abnormal. Replace the SD card.</td>
</tr>
<tr>
<td>Invalid SysFile Make Sys File</td>
<td>The system file required to operate this unit is invalid. When this message is being displayed, press the ENTER/MARK button to create a new system file.</td>
</tr>
<tr>
<td>I/O Too Short</td>
<td>The IN (start) and OUT (end) points are too close. Re-set by spacing at least one second in between.</td>
</tr>
<tr>
<td>Low battery, Wi-Fi OFF</td>
<td>The battery charge is low, so Wi-Fi cannot be used. Replace the batteries with new ones.</td>
</tr>
<tr>
<td>Max File Size</td>
<td>The file is larger than the designated size.</td>
</tr>
<tr>
<td>MBR Error Init CARD</td>
<td>The SD card is not formatted properly or the card may be broken. Replace the SD card with another or press the ENTER/MARK button while this message is being shown to format the card. Formatting will erase all the data on the SD card.</td>
</tr>
<tr>
<td>No Card</td>
<td>A SD card is not set. Insert a recordable SD card.</td>
</tr>
<tr>
<td>No PB File</td>
<td>There are no files available for playback. The file may be damaged.</td>
</tr>
<tr>
<td>Non-Supported</td>
<td>The file type is not supported. Please see “11 - Connecting with a Computer” for file formats that this unit can use.</td>
</tr>
<tr>
<td>Switched To Internal Battery</td>
<td>The power supply has changed from the USB buss power to the internal batteries.</td>
</tr>
<tr>
<td>Write Timeout</td>
<td>Writing to the SD card was not in time. Back up files to a computer and format the card.</td>
</tr>
<tr>
<td>Can’t Save Data</td>
<td></td>
</tr>
<tr>
<td>Device Error</td>
<td></td>
</tr>
<tr>
<td>File Error</td>
<td></td>
</tr>
<tr>
<td>Not Continued</td>
<td></td>
</tr>
<tr>
<td>Player Error</td>
<td></td>
</tr>
<tr>
<td>Remote Cmd</td>
<td></td>
</tr>
<tr>
<td>Remote Rx</td>
<td></td>
</tr>
<tr>
<td>Writing Failed</td>
<td></td>
</tr>
<tr>
<td>Sys Rom Err</td>
<td></td>
</tr>
<tr>
<td>System Err 50</td>
<td></td>
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<tr>
<td>System Error 1</td>
<td></td>
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<tr>
<td>System Error 2</td>
<td></td>
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<tr>
<td>System Error 3</td>
<td></td>
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<tr>
<td>System Error 4</td>
<td></td>
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<tr>
<td>System Error 5</td>
<td></td>
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<tr>
<td>System Error 6</td>
<td></td>
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<tr>
<td>System Error 7</td>
<td></td>
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<tr>
<td>System Error 8</td>
<td></td>
</tr>
<tr>
<td>System Error 9</td>
<td></td>
</tr>
</tbody>
</table>

Message Folders can be created only up to two layers. You cannot create a new folder inside this folder.

Format Error Format CARD The SD card is not formatted properly or the card may be broken. Replace the SD card with another or press the ENTER/MARK button while this message is being shown to format the card. Formatting will erase all the data on the SD card.

Can’t Save Data Restart the unit when this error message appears.

If the power cannot be turned off, remove the batteries, disconnect the dedicated AC adapter (GPE053B) provided with the unit, or disconnect the USB cable when in bus power supply.

If these error messages appear frequently, please contact the TEAC Repair Center (see the back cover for contact details).
When the unit does not operate properly, check the followings before making a repair request. If you still have a problem, contact either the store you purchased the DR-44WL or the TEAC repair center (see the back cover for contact details).

### 15 – Troubleshooting

#### The power does not turn on.
- Are batteries low?
- Are batteries inserted correctly with the +, − terminals aligned correctly?
- Confirm that the power plug of the dedicated AC adapter (GPE053B) provided with the unit and a USB connector are securely inserted.
- Is the USB cable connecting the computer for USB bus power securely connected?
- Is the USB hub in use with computer connection for USB bus power?

#### The DR-44WL turn the power off automatically
- Is the automatic power saving function on? (See “Auto power save function setting” on page 57.)
- The DR-44WL is in compliance with the European Standby Power Regulations (ErP), and therefore, the automatic power saving function will work whether the unit is being powered by an AC adapter or batteries. Select “OFF” if you do not want to use the auto power saving function (the factory default setting is “30 min”).

#### The unit does not function.
- Is the HOLD/ HOLD switch set at HOLD?
- Is the unit connected to a computer via USB cable (USB Connected)?

#### The SD card is not recognized.
- Confirm that the SD card is inserted completely.

#### The DR-44WL don’t play back
- If the file is WAV format, check whether its sampling rate is compatible with the unit.
- If the file is MP3 format, check whether the bit rate is compatible with the unit.

#### The built-in speaker does not emit sound
- Is a headphone connected to the unit?
- Is the SPEAKER item set as OFF?
- Is the unit in recording or recording standby mode?

#### The monitor system does not emit sound
- Is the monitoring system securely connected?
- Is the monitoring system volume at minimum level?
- Is the OUTPUT LEVEL setting of the unit at minimum level?

#### The DR-44WL is not recording
- Check the connection again.
- Check the input settings again.
- Is the input level low?
- Confirm that the SD card is not full.
- Check whether the number of files has reached the maximum level.

#### The input level is too low
- Is the input level setting too low?
- Is the output level of the connected device too low?

#### The sound I want to record is distorted
- Is the input level setting too high?
- Is reverb setting ON?

#### Playback sound is not natural
- Is the playback speed changed?
- Check the setting status of the playback equalizer.
- Confirm that the level alignment function is not enabled.
- Is reverb setting ON?

#### The file cannot be deleted
- Is the file a copy of a read-only file set by a computer?

#### The computer does not display the unit’s files
- Is the DR-44WL connect to a computer via USB port?
- Is USB hub in use?
- Is the unit in recording or recording standby mode?

#### The DR-44WL cannot make a Wi-Fi connection or communication is interrupted
- Check that the Wi-Fi device is turned ON and/or the Wi-Fi function is ON.
- Is the distance to the Wi-Fi device too far?
- Is there any obstacles in between, for example a wall?
- When a Wi-Fi device is located at the rear side of the DR-44WL, the unit itself maybe the cause of interruption. Try changing the positions of the Wi-Fi device and the unit.
- Turn OFF and restart the DR-44WL.
- Delete the registration of “DR-44WL” in the Wi-Fi device and follow the steps in “Connecting the unit to a Wi-Fi device”.

#### The DR-44WL is in compliance with the European Standby Power Regulations (ErP), and therefore, the automatic power saving function will work whether the unit is being powered by an AC adapter or batteries. Select “OFF” if you do not want to use the auto power saving function (the factory default setting is “30 min”).
16 – Specifications

**Rating**

**Recording media**
- SD card (64 MB - 2 GB)
- SDHC card (4 GB - 32 GB)
- SDXC card (48 GB - 128 GB)

**Recording/playback formats**
- **BWF:** 44.1k/48k/96kHz, 16/24 bit
- **WAV:** 44.1k/48k/96kHz, 16/24 bit
- **MP3:** 44.1k/48kHz, 32k/64k/96k/128k/192k/256k/320kbps

**Number of channels**
- 4 channels
  - **4CH mode**
    - Mono: Up to 4 files
    - Stereo: Up to 2 files
    - Stereo (1 file) + mono (up to 2 files)
  - **MTR mode**
    - Mono: Up to 4 files

**Input/output ratings**

**Analog audio input and output ratings**

**EXT MIC/LINE IN jack (supporting phantom power supply)**
- Connector: Combo type
  - XLR-3-31
  - 6.3 mm (1/4") TRS standard jack
    - (Tip: HOT, Ring: COLD, Sleeve: GND)
- **When the EXT IN switch is at MIC, or at MIC+PHANTOM**
  - Input impedance: 2.2 kΩ or more
  - Reference input level: -17.3 dBu ± 2 dB
  - Maximum input level: -1.3 dBu ± 2 dB
- **When the EXT IN switch is at LINE**
  - Input impedance: 2.2 kΩ or more
  - Reference input level: +4 dBu
  - Maximum input level: +20 dBu

**LINE OUT jack**
- Connector: 1/8" (3.5 mm) stereo mini jack
- Output impedance: 12 Ω
- Reference output level: -14 dBV (with 10 kΩ load)
- Maximum output level: +2 dBV (with 10 kΩ load)
- Maximum output: 20 mW + 20 mW (with headphones connected, with 32 Ω load)

**Built-in speaker**
- 0.3 W (mono)

**Audio performance**

**Frequency response**
- 20-20 kHz +1/- 3 dB
  - (EXT IN to LINE OUT, 44.1 kHz sampling frequency, JEITA)  
- 20-22 kHz +1/- 3 dB
  - (EXT IN to LINE OUT, 48 kHz sampling frequency, JEITA)
- 20-40 kHz +1/- 3 dB
  - (EXT IN to LINE OUT, 96 kHz sampling frequency, JEITA)

**Distortion**
- 0.05% or less
  - (EXT IN to LINE OUT, 44.1/48/96 kHz sampling frequency, JEITA)

**S/N ratio**
- 92 dB or higher
  - (EXT IN to LINE OUT, 44.1/48/96 kHz sampling frequency, JEITA)

*Note* Based on JEITA: JEITA CP-2150

**Requirements for connected computers**

Please visit the TEAC Global Site (http://teac-global.com) to learn the latest compatible OS.

**Windows**
- Pentium 300 MHz or more
- 128 MB or more memory
- USB port (USB2.0 is recommended)

**Mac**
- Power PC, iMac, G3, or G4 with 266 MHz or above
- 64MB or more memory
- USB port (USB2.0 is recommended)

**Recommended USB host controller**
- Intel chip set

**Supported operating systems**
- Windows: Windows XP, Windows Vista, Windows 7, Windows 8 (including 8.1)
- Macintosh: Mac OS X 10.2 or later

**Wi-Fi**

**Wireless standard**
- Based on IEEE 802.11b/g/n (2.4 GHz only)

**Wireless communication mode**
- Simple access point (Limited AP)

**Security**
- WPA2-PSK (WPS2.0 compatible)
**General**

**Power supply**
- 4 AA batteries (alkaline or NiMH)
- USB bus power from a computer
- Dedicated AC adapter (GPE053B provided with the unit)
- Dedicated AC adapter (TASCAM PS-P515U; sold separately)

**Power consumption**
2.5W (maximum)

**Battery operation time (continuous operation)**
- Alkaline batteries (EVOLTA)

<table>
<thead>
<tr>
<th>Format</th>
<th>Operation time</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recording in 2ch WAV, 96 kHz, 24 bit</td>
<td>About 13 hours</td>
<td>Input from the built-in microphone</td>
</tr>
<tr>
<td>Recording in 2ch WAV, 44.1 kHz, 16 bit</td>
<td>About 16 hours</td>
<td>Input from the built-in microphone</td>
</tr>
<tr>
<td>Recording in 2ch MP3, 44.1 kHz, 128 kbps</td>
<td>About 14 hours</td>
<td>Input from the built-in microphone</td>
</tr>
<tr>
<td>Recording in 4ch WAV, 96 kHz, 24 bit</td>
<td>About 13 hours</td>
<td>Input from the built-in microphone + line input</td>
</tr>
<tr>
<td>Recording in 4ch WAV, 44.1 kHz, 16 bit</td>
<td>About 13.5 hours</td>
<td>Input from the built-in microphone + line input</td>
</tr>
<tr>
<td>Recording in 4ch MP3, 44.1 kHz, 128 kbps</td>
<td>About 13.5 hours</td>
<td>Input from the built-in microphone + line input</td>
</tr>
<tr>
<td>Recording in 4ch WAV, 44.1 kHz, 16 bit</td>
<td>About 5 hours</td>
<td>Built-in stereo mic and line inputs with phantom power on</td>
</tr>
<tr>
<td>Recording in 4ch WAV, 44.1 kHz, 16 bit</td>
<td>About 5.5 hours</td>
<td>Built-in stereo mic and line inputs with Wi-Fi on</td>
</tr>
<tr>
<td>Recording in 2ch WAV, 44.1 kHz, 16 bit</td>
<td>About 12.5 hours</td>
<td>When using a headphone</td>
</tr>
<tr>
<td>Recording in 2ch MP3, 44.1 kHz, 128 kbps</td>
<td>About 12 hours</td>
<td>When using a headphone</td>
</tr>
</tbody>
</table>

Recording: JEITA recording time
Playback: JEITA music playback time

**Dimensions**
79 × 162.2 × 42.5 mm (W x H x D)

**Weight**
346 g/251 g (including batteries/not including batteries)

**Operating temperature**
0°C–40°C

**Dimensional drawings**

* Illustrations in this manual may be different from the actual product.
* To improve the product, specifications and external appearance may change without prior notice.