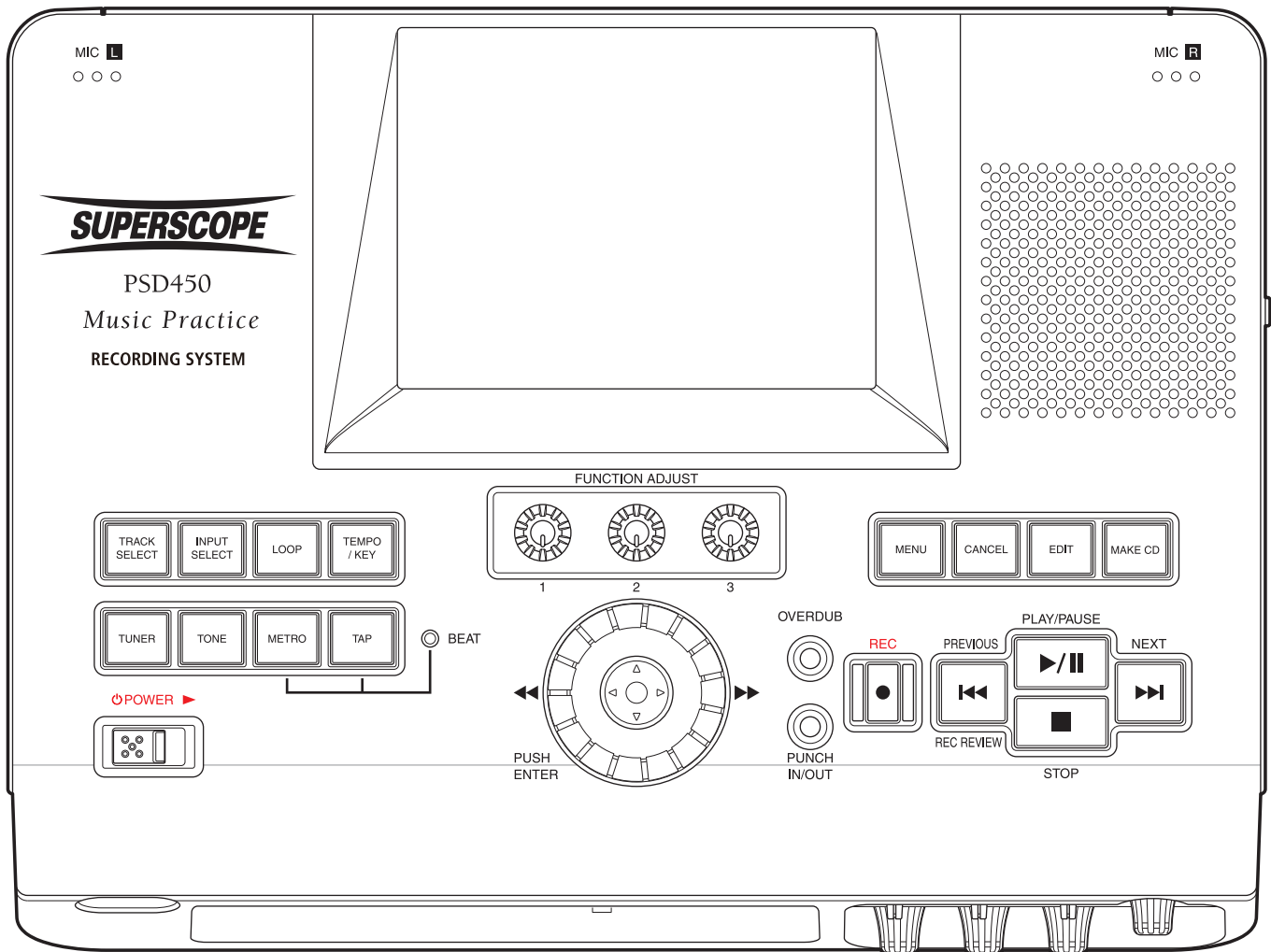



PSD450

Music Practice and Digital Recording System

Quick Start Guide






CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOC ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (Cable-TV) system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada.

SD Logo is a trademark. microSD Logo is a trademark.

SUPERSCOPE

Important Safety Instructions

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. Do not use this apparatus near water.
7. To ventilate the unit, do not install it in a rack or bookshelf, and note the following: Do not insert objects beneath the unit. Do not block ventilation slots at the top of the unit. Do not place anything about 1 meter above the top panel. Make a space of about 8" (20 cm) around the unit.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Additional Safety Information!

- This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- When the switch is in the OFF position, the apparatus isn't completely switched-off from the MAINS.

WARNINGS

Do not expose the equipment to rain or moisture.

Do not remove the cover from the equipment.

No naked flame sources, such as lighted candles, should be placed on the equipment.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.

Do not place heavy items on the unit.

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not handle the plug with wet hands. This can cause electric shock.

Do not let metal objects fall inside the unit.

Do not let liquids get into the unit.

Do not spray insecticides onto or into the unit.

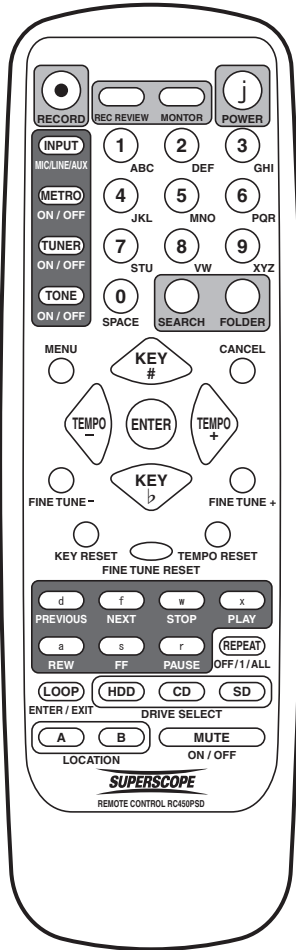
Do not attempt to repair this unit by yourself.

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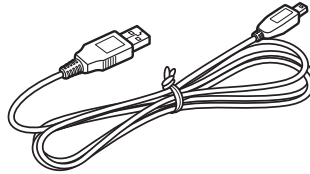
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Supplied Accessories

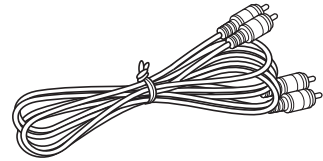
Infrared (IR) Remote



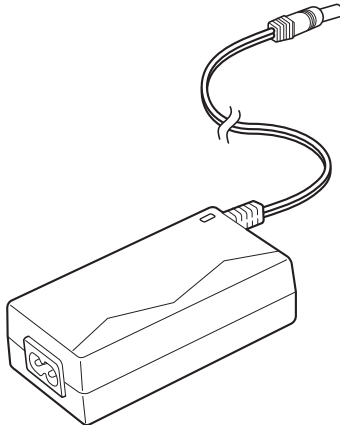
USB Cable



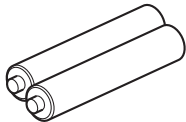
RCA Patch Cables



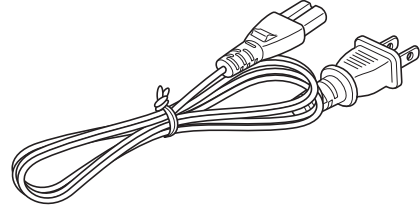
AC Adapter



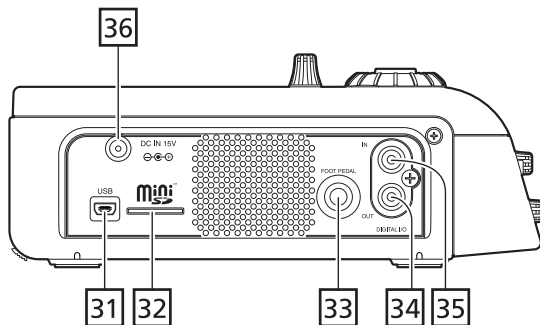
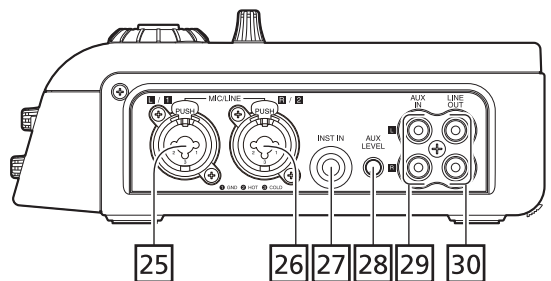
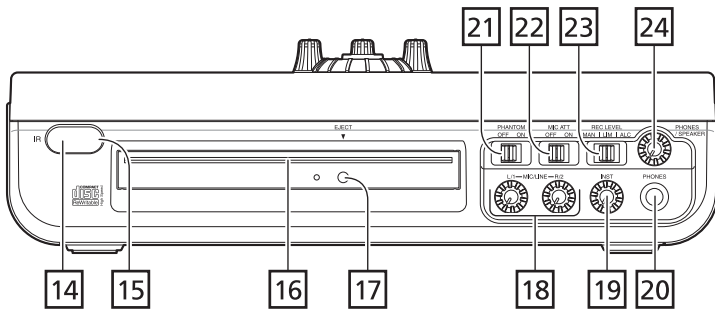
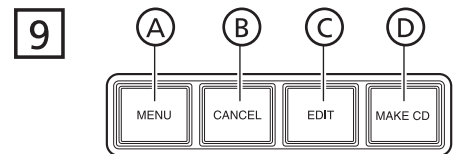
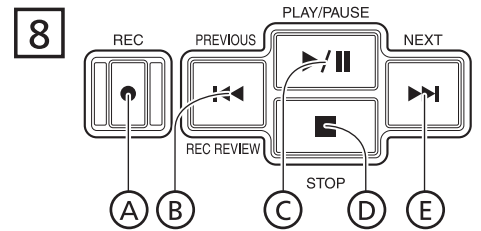
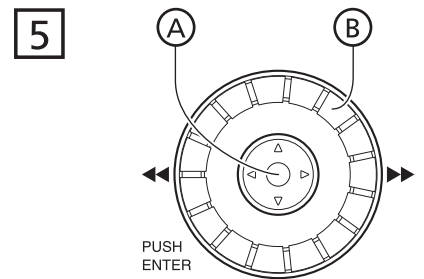
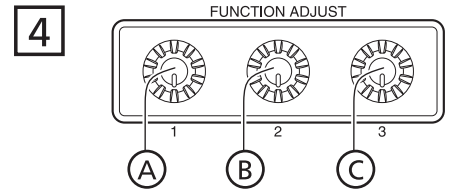
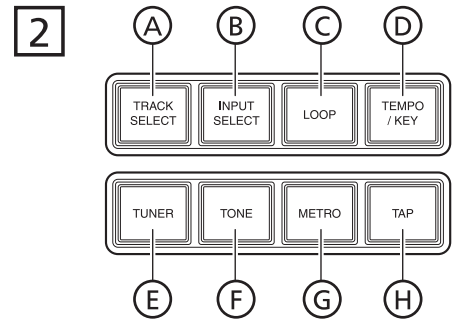
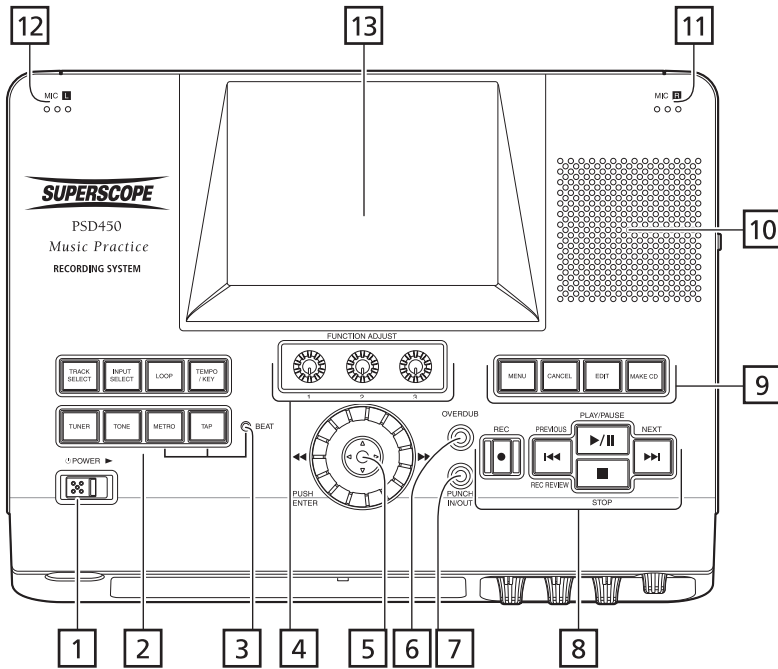
AAA Batteries



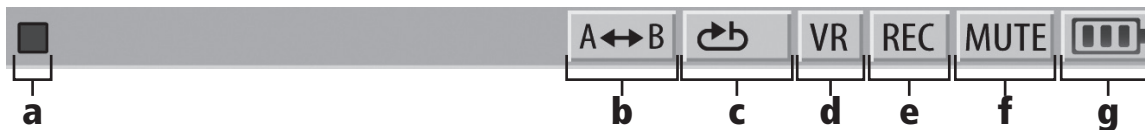
AC Power Cord



PSD450 Controls and Connections



PSD450 LCD Screen Icons



a. Status Icons

	STOP
	PLAYBACK
	PLAYBACK PAUSE
	REC
	REC PAUSE

b. Loop Icons

	"A – B" Loop Playback is ON
	"A – B" Loop Playback is OFF

c. Repeat Icons

	playback current track once (then stop at top of the current track)
	playback and repeat current track
	playback all tracks once (then stop at top of the first track)
	playback and repeat all tracks.
	playback current track once (then stop at top of the next track)
	no indication when Repeat Mode is OFF

d. Voice Reduction Icons

	VR is ON
	no indication when VR is OFF

e. Monitor Icons

	appears when monitoring Playback Audio
	appears when monitoring Rec Audio

f. Mute Icons

	MUTE is ON
	no indication when MUTE is OFF

g. AC/Battery Icons

	appears when the AC Adapter is connected
	indicates the battery level is full
	indicates the battery level is OK
	indicates the battery level is low
	changes to red to indicate battery level is almost empty (needs charging or replacement)

Music Practice & Recording

Powering Up

1. Connect the AC Adapter to the DC Jack [36].
2. Connect the AC Cord to the Input of the AC Adapter, and then connect the AC Plug to AC 120V (power source).
3. Slide the Power switch [1] to power on.

The Internal HDD (Hard Disk Drive)

Upon Powering Up, the PSD450 will create a file database on the internal HDD. During this process, the PSD450 scans the HDD for audio files (WAV, MP3) and ID3 tag information (Artist, Title, Album, etc.). The time to create this database will vary based on the contents of the HDD:

Note: The PSD450 will recognize a maximum 99 files for each folder. If you attempt to record more than 99 files in a folder, a new folder will be created automatically.

A. Maintaining a Large Number of Audio Files on the HDD

The amount of audio files and folders you choose to store on the HDD will directly affect the amount of time it takes to create a file database. Superscope recommends that you limit the number of files and folders on the HDD.

B. Maintaining a Large Number of Non-Audio Files on the HDD

The PSD450 **must scan all files** before proceeding, so storing non-audio files on the HDD is not recommended. Any number of additional files on the HDD (e.g., JPG, MOV, PDF etc) will slow down database creation.

C. Storing Large Audio Files on the HDD

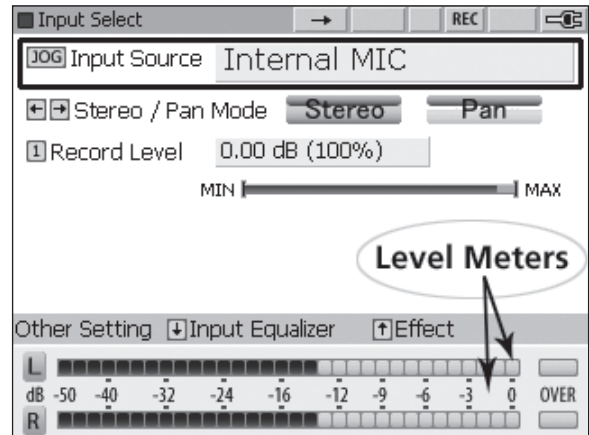
When an audio file is detected on the HDD, the PSD450 will open the audio file and begin searching for content information, e.g. Title, Artist, Album, etc. The PSD450 must search the entire file in case this information is stored at the end of the file. Large audio files therefore require more time during database creation.

Recording

Recording with the Internal Microphones

1. Push the INPUT SELECT button [2-B], and then turn the jog wheel [5-B] until 'Internal MIC' appears as the Input Source.

Figure 1 — Input Select Screen



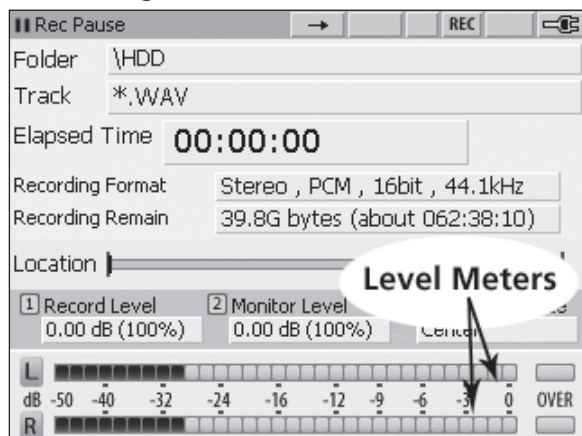
Input Source list

Input MUTE
Internal MIC
External MIC
LINE
INST
Internal MIC (L ch) + INST
External MIC (L ch) + INST
LINE (L ch) + INST
AUX
DIGITAL

Note: The Input Source setting will be stored after the PSD450 is powered off.

2. Press the REC button [8-A] to enter Record Standby Mode. The REC button [8-A] will flash.
4. Adjust the REC Level knobs [18] so that the Record Level (left and right channels) does not exceed 0 dB as indicated on the level meters [18] See Figure 2.

Figure 2 — Rec Pause Screen



5. Press the REC button [8-A] again to start recording.
6. Press the STOP button [8-D] when the recording is complete.

Hint:

- a) Press the REC button [8-A] during recording to increment the track number.
- b) The Rec Level Switch [23] determines the method for setting record levels. The limiter [LIM] can be used to prevent unexpected volume peaks from distorting the recording. Select ALC [23] to disengage the REC Level knobs [18] and set the recording level automatically.
- c) Press the PREVIOUS button [8-B] during recording to stop the recording and playback the recorded audio (Rec Review function).

Recording with External Microphones

1. Connect a microphone to the MIC/LINE INPUT Jack [25, 26]. If your microphone requires phantom Power, switch on the Phantom switch [21].
2. Press the INPUT SELECT button [2-B], and then turn the jog wheel [5-B] until 'External MIC' appears as the Input Source. **See Figure 1.**
3. The remaining procedures are the same as "Recording with the Internal Microphones."

Hint: When using sensitive microphones, the level indicator may display "Over" even though the Record level controllers [18] are only slightly turned up. In this case, switch on the Microphone Attenuator [22] to reduce input level and extend the range of control for the Record level controllers [18]. The Line inputs [25], [26] and AUX Input [29] will not be affected the Microphone Attenuator [22].

Recording with the Line Inputs

1. Connect an external device, such as a mixer or preamp to the MIC/LINE INPUT Jacks [25, 26].
2. Press the INPUT SELECT button [2-B], and then turn the jog wheel [5-B] until 'LINE' appears as the Input Source. **See Figure 1.**
3. The remaining procedures are the same as "Recording with the Internal Microphones."

Recording with the AUX Inputs

1. Connect an external device, such as a mixer or preamp to the AUX inputs Jack [29].
2. Press the INPUT SELECT button [2-B], and then turn the jog wheel [5-B] until 'AUX' appears as the Input Source. **See Figure 1.**
3. You can adjust the input level with the AUX Level control [28].
4. The remaining procedures are the same as "Recording with the Internal Microphones."

Note: Maximum Mic Input level must be no greater than 75mV RMS (Mic. ATT:Off). Maximum Line Input level must be no greater than 4.0V RMS. There is no limit for AUX Input levels.

CD Ripping

Follow these instruction to "rip" the digital audio from CD audio tracks to WAV files on the PSD450 HDD.

Ripping an entire Audio CD

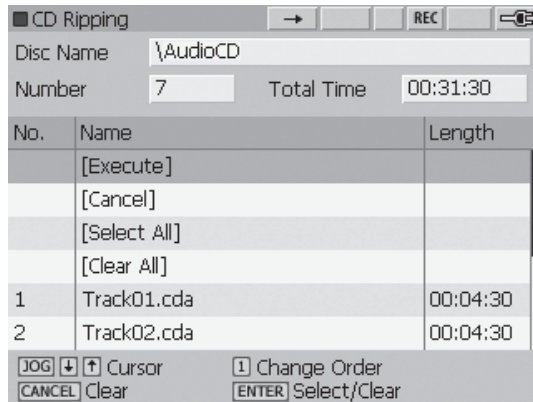
1. Insert a CD audio disc into the CD-R/RW drive [16].
2. When a CD audio disc is inserted, the contents of the disc are displayed automatically. Turn the jog wheel or move the joystick up or down to highlight a track. Press the EDIT button [9-C].

Figure 3 — Track Select CDROM

No.	Name	Length
	[Return]	
	[Search]	
1	Track01.cda	00:04:32
2	Track02.cda	00:04:32
3	Track03.cda	00:04:32
4	Track04.cda	00:04:32
5	Track05.cda	00:04:32
6	Track06.cda	00:04:32

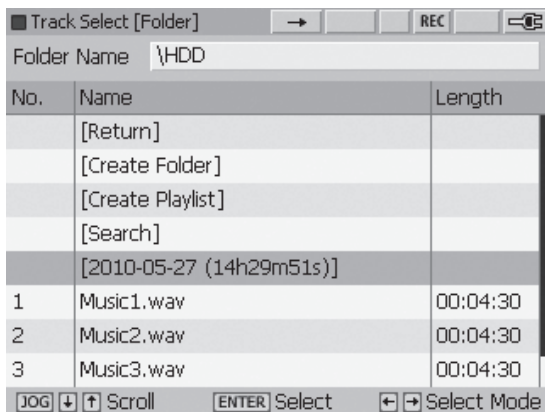
- Turn the jog wheel [5-B] or move the joystick [5-A] up or down to highlight CD Ripping. Press ENTER [5-A].
- When the CD Ripping screen appears, all CD tracks are selected. To rip the entire CD, simply turn the jog wheel [5-B] or move the joystick [5-A] up or down to highlight [Execute]. Press ENTER [5-A].

Figure 4 — CD Ripping



- The CD tracks will be ripped to a folder in the main directory of the HDD. The name of the folder will be the current time and date, e.g., [2010-05-27 (14h29m51s)].

Figure 5 — Track Select [Folder] Screen

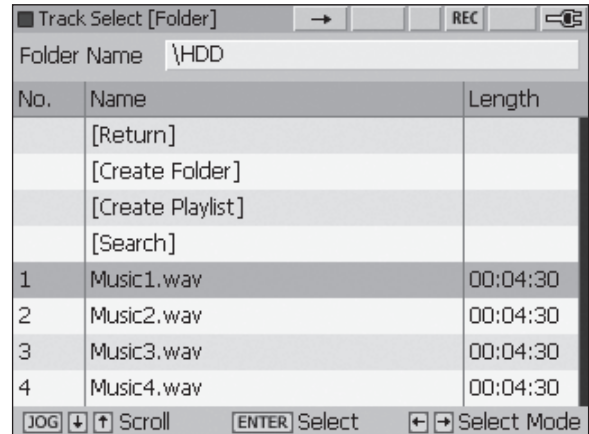


Playback

Playing a File on the Hard Drive (HDD).

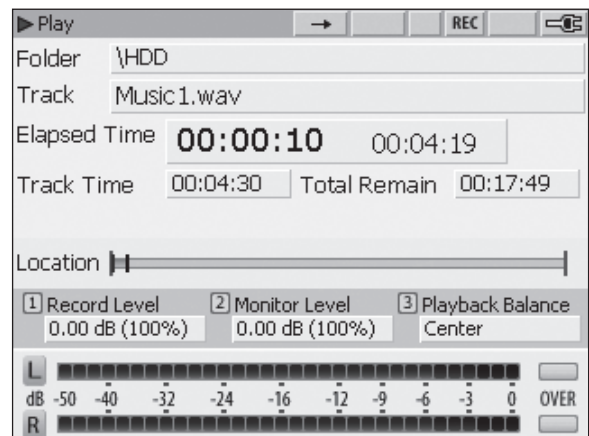
- Press the TRACK SELECT button [2-A] to view the Track Select menu.
- Use the joystick [5-A] or jog wheel [5-B] to select a track you want to play.

Figure 6 — Track Select [Folder] Screen



- Press the PLAY/PAUSE button [8-C] to begin playback.

Figure 7 — Normal Status Screen



Playback Controls

Pause

Press the PLAY/PAUSE [8-C] to pause the track during playback.

Stop

Press the STOP button [8-D] to stop the track during playback.

Fast Forward

- Move the joystick [5-A] to the right during playback.
- Holding the joystick [5-A] to the right will increase the speed of Fast Forward.

Rewind

- Move the joystick [5-A] to the left during playback.
- Holding the joystick [5-A] to the left will increase the speed of Rewind.

Next

Pressing the NEXT button [8-E] will move the playback position to the beginning of the next track.

Previous

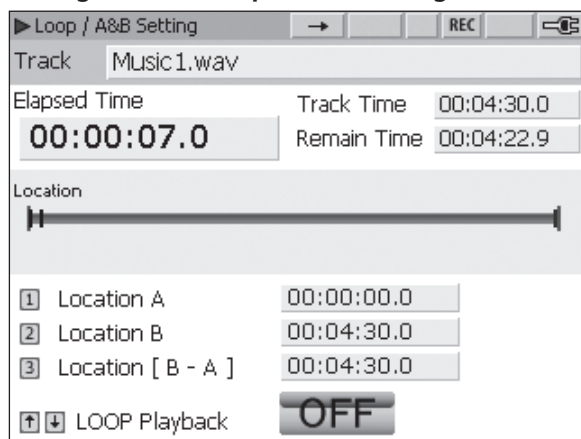
1. Pressing the PREVIOUS button [8-B] will move the playback position to the beginning of the current track.
2. Pressing the PREVIOUS button [8-B] again within one second will move the playback position to the beginning of previous track.

Loop Playback

Follow these steps to repeat a section of audio:

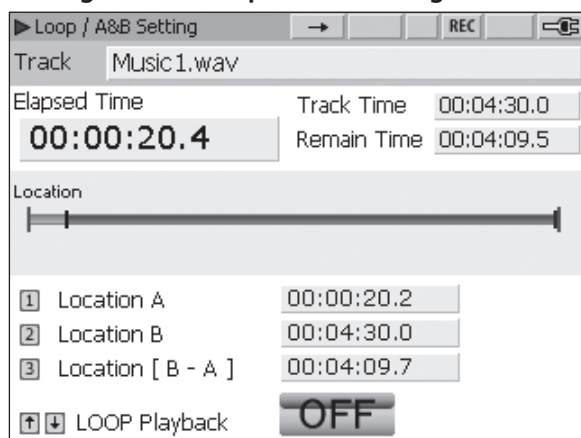
1. Press the Loop button [2-C] during playback to change Loop Setting menu.

Figure 8 — Loop / A&B Setting Screen



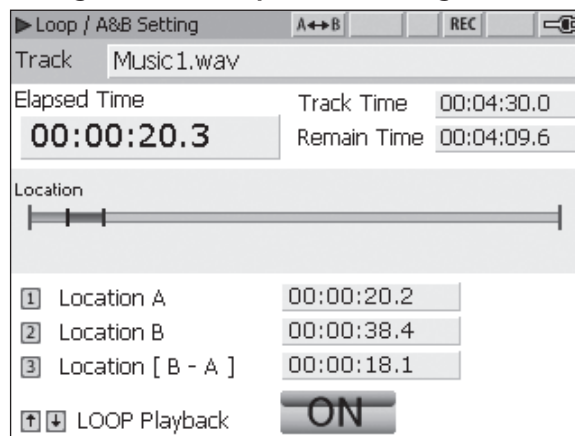
2. Press Function Adjust #1 [4-A] to set the start point of the loop.

Figure 9 — Loop / A&B Setting Screen



3. Press Function Adjust #2 [4-B] to set the end point of the loop. Playback will begin looping between the start and end markers automatically.

Figure 10 — Loop / A&B Setting Screen

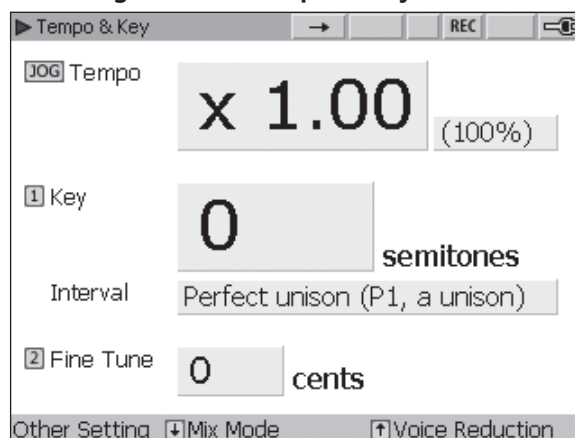


4. Move the joystick [5-A] down to turn off Loop playback. Move the joystick [5-A] up to start Loop Playback.
5. Turn Function Adjust #1 [4-A] to reposition the start point of the loop.
6. Turn Function Adjust #2 [4-B] to reposition the end point of the loop.
7. Move the joystick [5-A] left/right to Rewind and Fast Forward.

Change Key & Tempo

1. Press the TEMPO/KEY button [2-D] during playback to display the Tempo/Key menu.

Figure 11 — Tempo & Key Screen



2. Turn the jog wheel [5-B] to change Tempo [25% to +150%]. Press ENTER [5-A] to reset Tempo.
3. Turn Function Adjust #1 [4-A] to change Key [range: +/- 1 octave]. Press Function Adjust #1 [4-A] to reset Key.
4. Turn Function Adjust #2 [4-B] to fine tune playback pitch [range: +/- 50 cent]. Press Function Adjust #2 [4-B] to reset Fine Tune.

Note: When you exit the TEMPO/KEY menu, the Tempo, Key, and Fine Tune settings will be stored with the selected file.

Overdub

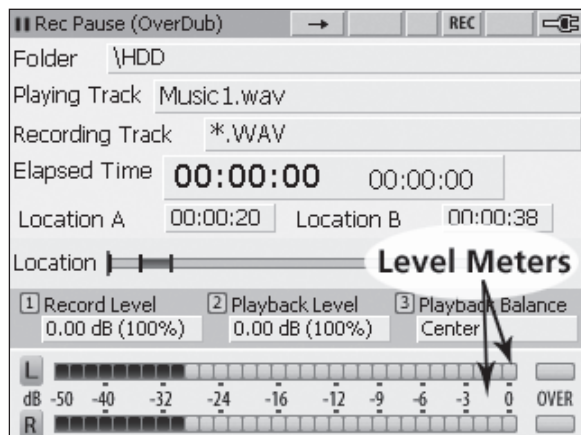
A. Overdubbing for Composition (Layering sections of a Track)

In this mode, you will identify a section of audio, and then record additional audio over that section. The end result is a file identical to the original in length, but with an added layer of audio within the section you have outlined.

Note: This mode is not available when recording direct-to-CD or when using a CD for accompaniment.

1. Select a track to record over by pressing the TRACK SELECT button [2-A]. If you have already set your Overdub points, proceed to step 6. If not, press the PLAY/PAUSE button [8-C] to listen to the track.
2. Press the LOOP button [2-C] during playback to view the LOOP setting menu.
3. Press Function Adjust #1 [4-A] during playback to set Overdub point A. This is the point in the track you wish to begin layering audio.
4. Press Function Adjust #2 [4-B] during playback to set Overdub point B. This is the point at which you will finish layering audio. Loop Playback will start at point A automatically.
5. Move the joystick [5-A] down to turn Loop playback OFF.
6. Press the OVERDUB button [6] to enter REC Pause mode.

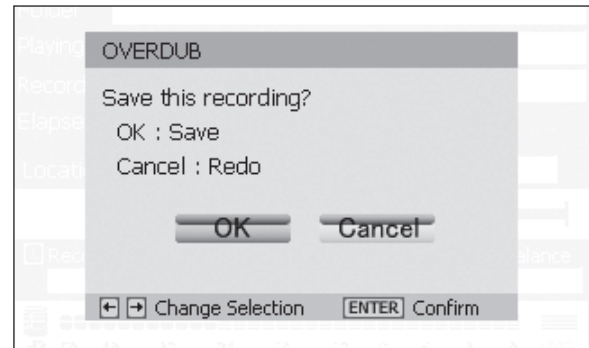
Figure 12— Rec Pause (Overdub) Screen



7. Adjust the REC Level knobs [18] so that the Record Level (left and right channels) does not exceed 0 dB as indicated on the level meters. **See Level Meters Figure 12.**
8. Press the REC button [8-A] or PLAY/PAUSE button [8-C] to start overdubbing.

9. The accompaniment track will stop at the end of point B. The Save menu will then appear.

Figure 13 — Save Screen



10. Select OK and the new file (executed overdub) will be saved. Select Cancel and the file will not be saved.

B. Overdubbing for Practice (Recording over a Loop)

In this mode, you will identify a section of audio, and then record additional audio over that section until the STOP button [8-D] is pressed. Unlike Mode A (Layering Sections of a Track), the length of the new file in this mode is determined by how long you choose to record over the repeating loop.

Note: This mode is not available when recording direct-to-CD.

1. Select a track to record over by pressing the TRACK SELECT button [2-A]. Press the PLAY/PAUSE button [8-C] to listen to the track.
2. Press the LOOP button [2-C] during playback to view the LOOP setting menu. If you have already set your Overdub points, simply move the Joystick [5-A] up to turn Loop playback ON, and proceed to step 5.
3. Press Function Adjust #1 [4-A] during playback to set the beginning of your accompaniment loop (point A).
4. Press Function Adjust #2 [4-B] during playback to set the end of your accompaniment loop (point B). Loop Playback will start at point A automatically.
5. Press the OVERDUB button [6] to enter REC Pause mode. **See Figure 12.**
6. Adjust the REC Level knobs [18] so that the Record Level (left and right channels) does not exceed 0 dB as indicated on the level meters. **See Level Meters Figure 12.**
7. Press the REC button [8-A] or PLAY/PAUSE button [8-C] to start Overdubbing.
8. Press the Stop button [8-D] when you are finished recording. The Save menu will appear. **See Figure 13.**

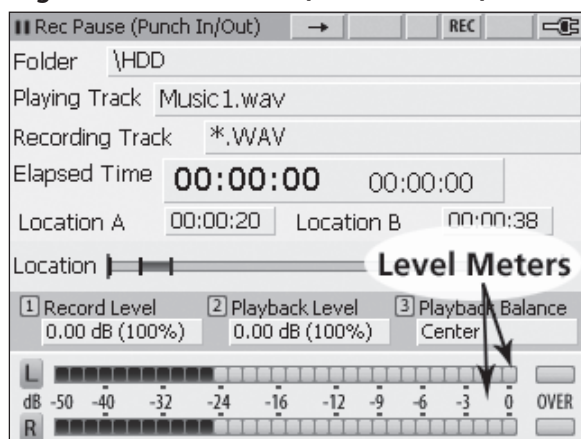
9. Select OK and the new file (executed overdub) will be saved. Select Cancel and the file will not be saved.

Punch-In/Out

(Replace a Section of a Recording)

1. Press the TRACK SELECT button [2-A] to select a track. If you have already set your Punch In/Out points, proceed to step 5. If not, press the PLAY/PAUSE [8-C] button to start playback.
2. Press the LOOP button [2-C] during playback to view the LOOP setting menu.
3. Press Function Adjust #1 [4-A] during playback to set the Punch-in point.
4. Press Function Adjust #2 [4-B] during playback to set the Punch-out point. Loop Playback will be started at point A automatically.
5. Press PUNCH-IN/OUT button [7] to enter to REC Pause Mode (Punch-in/out).

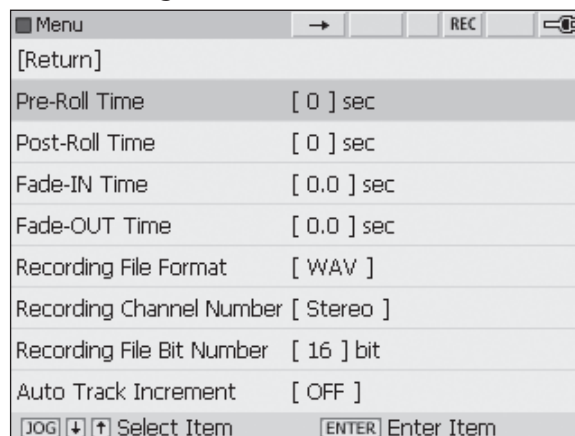
Figure 14 — Rec Pause (Punch In/Out) Screen



6. Adjust the REC Level knobs [18] so that the Record Level (left and right channels) does not exceed 0 dB as indicated on the level meters. **See Level Meters Figure 14**
7. Start Punch-in/out by pressing the REC button [8-A] or PLAY/PAUSE button [8-C].

Note: Playback will begin a number of seconds before point A (Punch-IN) as determined by the Pre-Roll setting. To adjust Pre-Roll, press the Menu button [9-A] and select Record Settings. Use the jog wheel [5-B] to select "Pre-Roll Time" and press ENTER [5-A]. Turn the jog wheel [5-B] to select a time from 0 to 10 seconds and press ENTER [5-A].

Figure 15 — Menu Screen



Pre/Post-Roll Time Settings

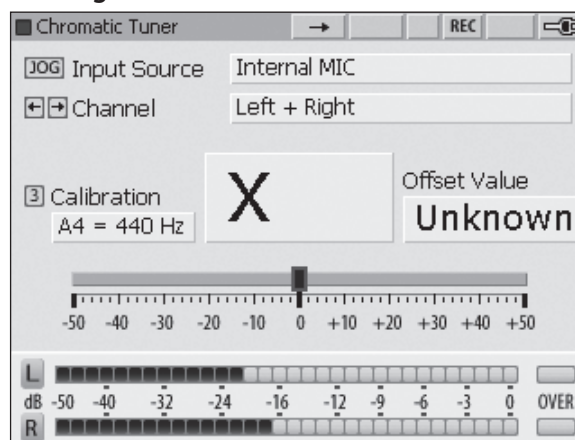
Pre-Roll Time :	0 to 10 sec
Post-Roll Time :	0 to 10 sec

8. When Recording between point A (Punch-IN) and point B (Punch-out) has finished, the recording will stop automatically and the Save menu will appear. **See Figure 13.**
9. Select OK and the file (executed Punch-IN/OUT) will be saved. Select Cancel and the file will not be saved.

Chromatic Tuner

1. Press the TUNER button [2-E] to enter Chromatic Tuner Mode.

Figure 16 — Chromatic Tuner Screen



2. Select the Input Source by turning the jog wheel [5-B].
3. Set the calibration frequency (410 - 470 Hz) by turning Function Adjust #3 [4-C].
4. Play your tuning note and tune your instrument until the desired tuning note is displayed and the tuning gauge remains in the center position.

Figure 17-1: Chromatic Tuner (-20cents) Flat

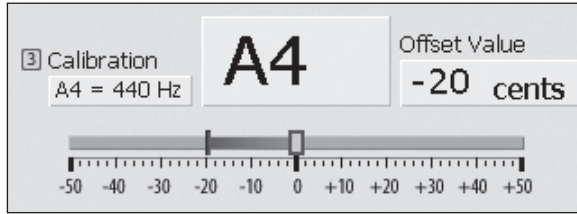


Figure 17-2: Chromatic Tuner (In Tune)

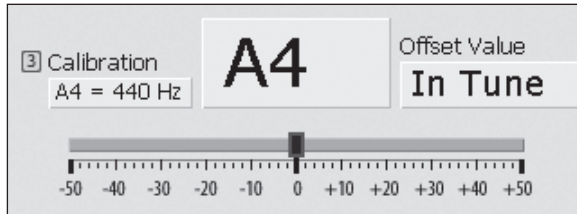
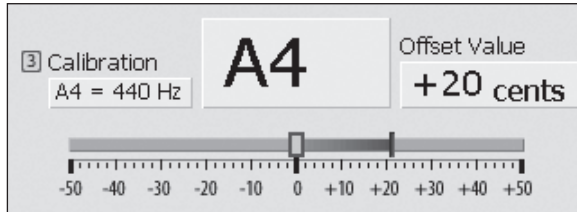


Figure 17-3: Chromatic Tuner (+20cents) Sharp



Tuning Tone

1. Press the TONE button [2-F] to display the Tuning Tone menu.
2. Set the calibration frequency (410 - 470 Hz) by tuning Function Adjust #3 [4-C].
3. Select a tone by turning the jog wheel [5-B].
4. Set desired volume level by Phones/Speaker Knob [24].
5. Tune your instrument to the selected tone.

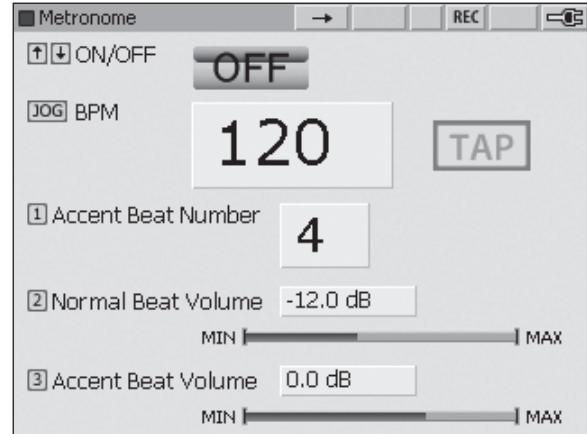
Voice Reduction

1. Press TEMPO/KEY button [2-D] during playback.
2. Move the Joystick up to display the Tempo & Key [VR] menu.
3. Move the Joystick left to switch Voice reduction ON.
4. Press TEMPO/KEY button [2-D] to exit.

Metronome

1. Press the METRO button [2-G].

Figure 18 — Metronome Screen



2. Move the Joystick UP to switch the metronome function ON.
3. Turn the jog wheel [5-B] to change BPM [range: 35 – 250 BPM]. Press ENTER [5-A] to reset to BPM.
4. Turn Function Adjust #1 [4-A] to change the Accent Beat number. Press Function Adjust #1 [4-A] to reset Accent Beat.
5. Change Normal Beat Volume by turning Function Adjust #2 [4-B]. Press Function Adjust #2 [4-B] to reset Normal Beat Volume.
6. Change the Accent Beat Volume by turning Function Adjusts #3 [4-C]. Press Function Adjusts #3 [4-C] to reset Accent Beat Volume.

Tap

Metronome Tempo can also be determined by pressing the TAP button [2-H]. Press the TAP button [2-H] at the desired tempo a minimum of 6 times to adjust the BPM setting of the metronome.

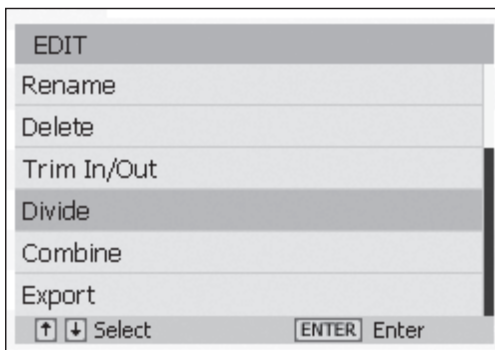
Editing

Divide

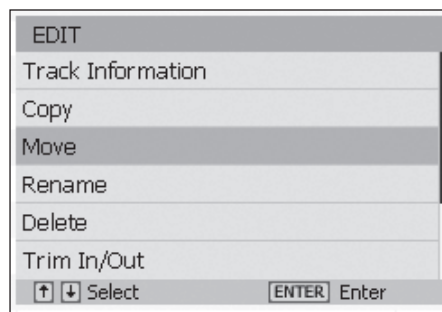
Note: This function works only for WAV files.

1. Press Track Select button [2-A] and then select a Track that you want to divide.
2. Press the EDIT button [9-C] to open the Edit menu.
3. Move the Joystick [5-A] up/down to select "Divide," and then press ENTER [5-A].

Figure 19 — Edit Menu Screen

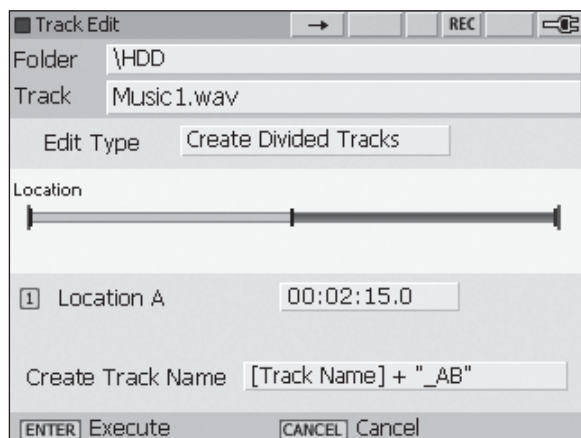


4. Press PLAY/PAUSE button [8-C] to begin playback. The joystick [5-A] can also be used to fast forward or rewind.



4. Use the joystick [5-A] to select the folder that you want to move the file to, and then press ENTER [5-A].
5. Select [Current Folder] and press ENTER [5-A].
6. The target file will be moved to the selected folder.

Figure 20 — Track Edit Screen



5. Press Function Adjust #1 [4-A] at the point you want to divide. Playback will loop the 4 seconds before the Divide point.
6. You can fine-adjust the divide point by turning Function Adjust #1 [4-A].
7. Press the ENTER [5-A] to divide the track.
8. The two new files will be placed in the same folder as the original track.

Move

1. Press the TRACK SELECT button [2-A]. Select a file that you want to move.
2. Press the EDIT button [9-C] to open the Edit menu.
3. Move the Joystick [5-A] up/down to select "Move," and then press ENTER [5-A].

Figure 21 — Edit Menu Screen

Delete

1. To select a file you want to delete, press the TRACK SELECT button [2-A].
2. Press the EDIT button [9-C] to open the Edit menu.
3. Move the joystick [5-A] up/down to select "Delete," and then press ENTER [5-A].
4. "Delete this file?" will be displayed. Move the joystick [5-A] left to Select "OK," and then press ENTER [5-A].
5. The target file will be deleted.

Copy

1. Press the TRACK SELECT button [2-A]. Select a file you want to copy.
2. Press the EDIT button [9-C] to open the Edit menu.
3. Move the Joystick [5-A] up/down to select "Copy," and then press ENTER [5-A].
4. Select the folder that you want to copy the file to, and then press ENTER [5-A].
5. Select [Current Folder] and press ENTER [5-A].
6. The target file will be copied to selected folder.

Trim In/Out

Note: This function works only for WAV files.

1. Press the TRACK SELECT button [2-A]. Select a file you want to trim.
2. Press the EDIT button [9-C] to open the Edit menu.
3. Move the Joystick [5-A] up/down to select "Trim In/Out," and then press ENTER [5-A].
4. Press the PLAY/PAUSE button [8-C] to begin playback. The joystick [5-A] can also be used to fast forward or rewind.

5. Press Function Adjust #1 [4-A] at the point you want to trim. Playback will loop the 4 seconds after the Trim point. Audio from beginning of the track to this point will be removed.
6. Press Function Adjust #2 [4-B] to switch playback to the second trim point. Playback will loop the 4 seconds before the Trim point. Audio from this point to the end of the track will be removed.
7. You can fine-adjust the trimming points by turning Function Adjust #1 [4-A] and Function Adjust #2 [4-B].
8. Press ENTER [5-A] to execute the Trim In/Out.
9. The trimmed file will be saved in the same folder as the original file.

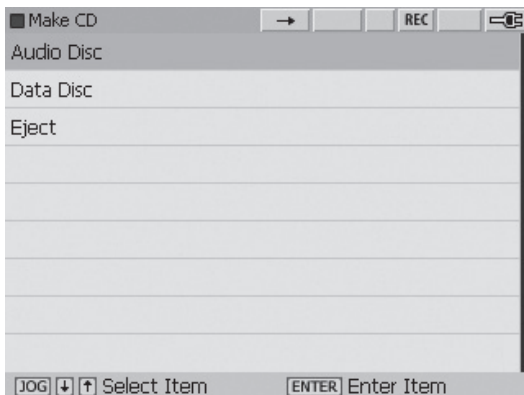
CD Burning

Creating an Audio CD

Follow these steps to create an audio CD using WAV or MP3 files stored on an SD card, USB storage, or the internal HDD.

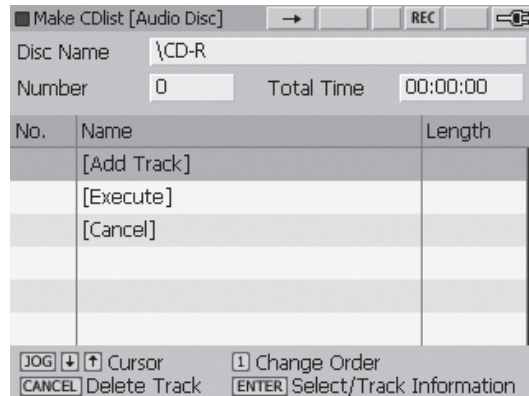
1. Insert a blank or unfinalized CD-R/RW into the CD-R/RW drive [16].
2. Press the Make CD button [9-D].
3. Turn the jog wheel [5-B] or move the joystick [5-A] up or down to highlight Audio Disc. Press ENTER [5-A].

Figure 22 — Make CD Menu



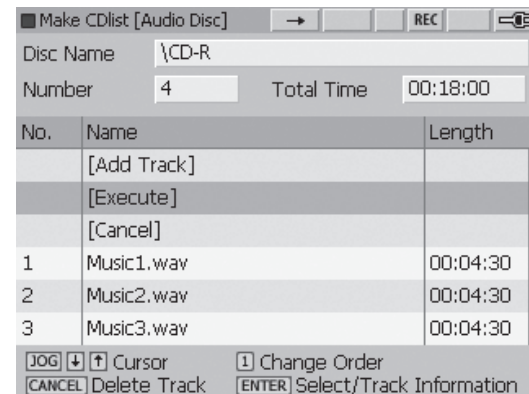
4. The Make CD List [Audio Disc] screen will appear. Turn the jog wheel [5-B] or move the joystick [5-A] up or down to highlight [Add Track]. Press ENTER [5-A].

Figure 23 — Add Track



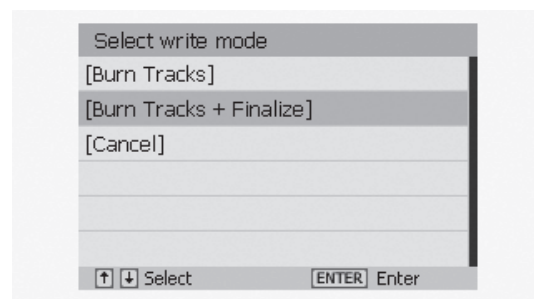
5. Use the joystick [5-A] or jog wheel [5-B] to select a track. Press ENTER [5-A] to add the track to the CD list.
6. When you have finished adding tracks, select [Execute] on the Make CD List [Audio Disc] screen and press ENTER [5-A].

Figure 23 — Burn CD



7. Select Write Mode - If you wish to add more tracks or finalize at a later time, select [Burn Tracks]. If you wish to create a finalized disc that is playable in other CD players, select [Burn Tracks + Finalize]. Press ENTER [5-A].

Figure 24 — Select Write Mode



8. When burning is finished, the CD will be ejected automatically.

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