

Roland

# CD-2*i* SD/CD RECORDER

High-Quality Recording Direct to Disc



## CD-2i Workshop

Presented by

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## **CD-2i Overview**

The CD-2i combines advanced recording technologies with a well-designed operating system, resulting in an easy-to-use device that produces professional recording results with a minimum of technical knowledge or skill. CDs produced by the CD-2i can be played on virtually any CD player.

## **Music Training Tools – (Music Tutor Features)**

The CD-2i is designed for use by musicians and music educators. To support those users the CD-2i features a complement of features for rehearsal and practice:

- **TUNER**  
The CD-2 provides tuning support for instrumentalists in two different ways:
  1. A chromatic tuner with automatic pitch identification. Just play the tuning note . . . the CD-2i will identify the note's pitch in the display and indicate whether the note being played is sharp or flat.
  2. Audible Tone Tuning. The CD-2i can generate tuning tones (default pitch is A440) for reference in tuning acoustic instruments. Choose from 25 notes, and non-standard (other than A-440) tuning references are possible as well.
- **A/B REPEAT**  
This feature may be utilized for both CD AND SD playback. Ideal for student practice, choral and instrumental rehearsals, and for transcription.
- **METRONOME**  
The CD-2i features a built-in metronome with choice of three tones and a variety of choices for beat emphasis (time signatures).
- **FINE TUNING (Pitch)**  
Playback from CDs and SD card may be accurately adjusted to match the tuning (pitch) of other instruments.
- **KEY CHANGE (Pitch)**  
You may raise or lower the 'key' of CD and SD card playback as necessary.
- **TEMPO CHANGE**  
You can play music from a CD or the SD card and change playback speed without changing the pitch. Speed is adjustable from 50% to 125%.
- **CENTER CANCEL**  
Center cancel eliminates, or greatly reduces, the vocalist or lead instrument during playback of most CDs or SD music files.

## **Range of Applications**

The CD-2i features built-in stereo microphones and speakers as well as additional inputs for external microphones and a line level and phono level input. The CD-2i may be connected to other instruments or amplification by use of its line output. This makes the CD-2i a self-supporting unit that can be creatively utilized with any instrument, electronic or acoustic (brass, wind, voice, percussion, etc.). Because of this comprehensive design the CD-2i can be utilized in many ways:

Churches and Church Musicians can:

1. Record services and other special programs direct to CD for distribution.
2. Create practice CDs for choir, song leaders, and instrumentalists.
3. Make CDs from accompaniment tapes.
4. Record and play back performances at rehearsals for evaluation.
5. Play pre-recorded CDs and raise or lower the 'key' in real time.
6. Play pre-recorded CDs and slow the tempo for rehearsal of difficult passages.
7. 'Remove' vocals from pre-recorded CDs.

Private and Group Teachers of ALL instruments and Classroom Music Teachers can:

1. Create practice CDs for students.
2. Record recitals or other special programs direct to CD.
3. Make CDs from MIDI accompaniment disks.
4. Record and playback student performances during lessons for evaluation or archiving.
5. 'Remove' vocals from any pre-recorded CD.
6. Play pre-recorded accompaniment CDs and raise or lower the 'key' of the performance in real time.
7. Play pre-recorded accompaniment CDs and slow the tempo for the rehearsal of difficult passages.
8. Set A-B markers for rehearsal of difficult passages.

Everyone can:

1. Produce CDs of original music.
2. Archive cassette or vinyl recordings.

### **Recording**

We could record directly to a CD/R<sup>1</sup> or a CD/RW<sup>2</sup> (refer to the Owner's Manual beginning at page 40 - "Recording Acoustic Instruments or Vocals") but there are advantages to recording to the Secure Digital (SD) memory first, then creating your CD from the recording tracks you have made using the SD card. These advantages include:

1. The ability to erase and reuse SD memory.
2. You waste no CD/Rs.
3. After you have recorded on SD memory you can decide the performance order in which you will place them on your final CD/R.
4. You can OVERDUB (as many as 99 times) on the SD memory card.

Refer to SECTION 1 of the orange Quick Start Card - "Record Your Performance".

### **Make (burn) a CD from the Recording**

Refer to PAGE 2 of the Quick Start Card - "Create a CD from the Recorded Performance".

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<sup>1</sup> a CD that can record and once finalized, cannot be altered

<sup>2</sup> a CD that can record and then be erased for reuse

### **Understanding the Simple Recording Possibilities**

1. Microphones
  - a. Internal – Stereo Condenser Microphones
  - b. External Jacks
    - i. Unbalanced<sup>3</sup> inputs are located on the left side
    - ii. Balanced<sup>4</sup> input located on the left side with phantom power<sup>5</sup> capability (XLR connector)
2. Metronome

### **Unleashing the Power of SD Recording – OVERDUBBING**

1. Record the first part to SD memory, refer to the Quick Start card if necessary. (Or the owner's manual beginning on page 61.)
2. After you have the first part recorded . . .
3. On the top of the CD-2i, push the MENU button.
4. Use the right and left arrows to choose SD CARD – Overdub SD → SD. Push ENTER.
5. The CD-2i will enter RECORD STANDBY MODE and the RECORD & PLAY BUTTONS will be flashing. The display should say SDXX → SDXX (The SD track number to the left is your original recording, the SD track number to the right will be the new overdubbed recording.)
6. Press the PLAY button to begin recording; the CD-2i will also simultaneously begin playback of the first part.
7. When recording of the second part is complete, touch STOP.
8. Touch PLAY to hear the new (overdubbed) recording.

### **BREAK – 10 minutes**

### **Using OVERDUB to Create a Rehearsal CD.**

1. Record the accompaniment part (it could be track one on the completed CD).
2. OVERDUB the desired part with voice or another instrument (it could be track two on the completed CD). To help the new part 'stand out' you can reduce the volume of the accompaniment part. To do this:
  - a. PUSH the PLAY button.
    - i. Use the RIGHT & LEFT BUTTONS by the MENU button and the display will indicate SD/CD LEVEL: XX.
    - ii. You can use the -/+ buttons to change the playback level (volume) from a range of -6 to +6.
  - b. PUSH STOP.
3. If you want to create additional rehearsal parts, use the << >> buttons (located at the REW and FF buttons) on the top of the CD-2i to choose the track with the original accompaniment recording. Then choose OVERDUB in the display.

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<sup>3</sup> a type of microphone hookup used with shorter cables and typically ending in a ¼" plug

<sup>4</sup> a type of microphone hookup used to prevent hum in longer cables and typically ending in an XLR connector

<sup>5</sup> Many better quality microphones require power from a battery or other source, the CD-2i can provide this power thru the microphone cable

4. When complete, create a CD (you can use the QUICK START card, or begin at page 97 of the Owner's Manual). The tracks for the CD can be chosen in any order from the SD card.

### ***Performance Possibilities***

The CD-2i offers an array of features for performance and rehearsal:

1. Change the KEY (in realtime) for both CD or SD performance.
2. Slow the TEMPO of a CD or SD performance.
3. Add A-B MARKERS for rehearsal (repeat a marked passage) for both CD and SD performance.

### ***Combining Performance and Recording Possibilities***

The CD-2i offers the unique ability to play a performance from a CD while recording it AND a new part created by you to the SD memory. You can:

1. Play a CD and record it with added parts to the SD memory. (Refer to the Owner's Manual beginning on page 61 "Layering Your Performance onto an SD Card and Recording It")
2. Play a CD (and remove the vocal or lead instrument with CENTER CANCEL) while recording it to SD memory.

### ***Other Possibilities***

1. Hook up a cassette deck or turntable to the LINE INPUTS/PHONO INPUTS on the left side of the CD-2i to create CDs of your accompaniment tapes.

### ***Summary***

Put the power of the CD-2i to work for you. YOU can produce CD recordings with outstanding results from a system that is both versatile and easy-to-operate.

And don't forget when you have questions, we have answers. We offer outstanding Customer Support available both on-line at [www.rolandus.com/support](http://www.rolandus.com/support) (including a searchable Knowledge Base) and live support by telephone at 323/890-3740 available Monday through Friday from 7:30AM to 6:00PM Pacific Standard Time.

# Roland CD-2i Quick Start

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## Turn on the Power

To turn the power on/off, press and hold the button until the indication in the display changes.  
• If you're operating the CD-2i on batteries, you won't be able to perform CD-related operations such as recording, playing, or writing songs, etc. Nor will it be possible to use phantom power.

## Display

Various information is shown here.

## Internal Stereo Speakers

Simply press the [M/II Play/Pause] button to hear sound immediately.  
The speakers can be turned on/off with the press of a single button.  
If you connect headphones, the speakers are automatically turned off.

## Edit

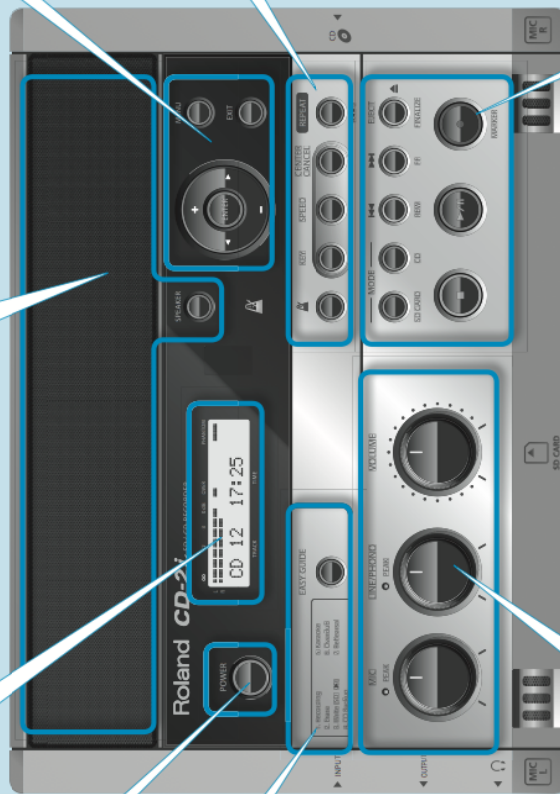
Here you can make settings for the CD-2i and perform editing operations.  
Press [MENU] to access the editing screen.  
Use the cursor keys to move the cursor or edit the parameter values.  
Press [ENTER] to confirm your selection.  
By pressing [EXIT] a number of times, you can return to the song information screen.

## Practice Your Music

- METRONOME**  
This sounds the metronome. The metronome will start/stop each time you press the button.
- KEY**  
This lets you change the pitch of the playback sound.  
The key setting changes the pitch in semitone steps. This is a convenient way to transpose a song to a different key for more comfortable singing.  
The pitch setting changes the pitch in steps of 1/100th of a semitone. This allows you to make fine adjustments to the pitch in order to match the CD playback to an instrument's tuning.
- SPEED**  
This lets you change the playback speed.  
You can choose either a mode in which the pitch is unaffected by the speed change, or a mode in which the pitch will change together with the speed.
- CENTER CANCEL**  
This lets you eliminate the sound that's heard from the center, such as the vocal or melody. Using this, you can enjoy singing or playing your instrument to the background provided by the CD playback.
- REPEAT**  
This lets you repeatedly play back a specified region of the song.  
During playback, press this button once to set point "M" and press a second time to set point "P". Playback will then repeat the region between "M" and "P". If you press the [REPEAT] button during repeat playback, the repeat function will be cancelled and playback will proceed through the song.

## Record and Play Back

Use the [MODE] buttons to select either SD or CD.  
To eject the CD, press the [EJECT] button. If you eject a CD that allows additional recording, a confirmation screen will ask whether you want to finalize the disc (i.e., disable additional recording, making the disc playable on other CD players).



## Adjust the Volume

- MIC Knob**  
This adjusts the mic input level. Set this so that the peak indicator lights briefly during the loudest portions of the song you'll be recording.  
This knob has no effect if the [MIC LEVEL] switch located on the left panel is set to AUTO.  
If you use the Rehearsal function to set the level automatically, the actual level will not match the position of the knob.
- LINE/PHONO IN knob**  
This adjusts the input level from the line/phone jacks.
- VOLUME knob**  
This adjusts the volume of the output from the speakers or headphones.

## Take Advantage of the Easy Guide

Press the button a number of times to select what you want to do.  
In the display, navigate through the settings and steps for the operation you selected.

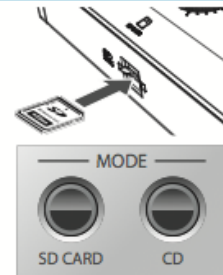
- Recording**  
Make settings that are appropriate for your performance or situation, and then record.
- Erase**  
Erase unwanted data from media.
- Write SD → CD**  
Choose the desired songs from an SD memory card, and use them to create a CD.
- CD Backup**  
Create a duplicate of a CD.  
The SD memory card must have enough free space to hold the CD you want to back up.
- Karaoke**  
Use the Center Cancel function to create karaoke data.
- Overdub**  
Using an existing song as backing, record a new performance on top of it.  
This creates new song data separately from the existing song.
- Rehearsal**  
Automatically set the input level for recording.

## Record Your Performance

### 1 Prepare the SD card

1. Insert the card.
2. Press the [SD CARD] button.

\* If you want to record directly to CD-R/CD-RW, press the [CD] button.



### 2 Prepare the mic

1. Set the [MIC LEVEL] switch to MANUAL.
2. Use the [MIC input] knob to adjust the input level.

The optimal input level is achieved when the peak indicator located above the knob lights briefly during the loudest portions of the performance.

\* If desired, you can use the Easy Guide's Rehearsal function to automatically set the optimal level while you rehearse.



### 3 Start recording!

1. Press the [● Record/Marker] button to enter recording-standby mode.
2. Press the [▶/|| Play/Pause] button to begin recording. Start your performance.
3. Press the [■ Stop] button to stop recording.



## Listen to the recorded sound

1. Use the [◀▶] [▶▶] buttons to select a song.
2. Use the [▶/|| Play/Pause] or [■ Stop] buttons to play or stop.

## Create a CD from the Recorded Performance

### 1 Choose "Write"

1. Press the [MENU] button.
2. Use the [◀] [▶] buttons to choose "CD-R/RW Write (SD → CD)."



### 2 Prepare the CD

1. Insert a CD-R/RW disc.
2. Choose whether you want to write all songs from the SD card, or just a selected song.



\* If you want to write all songs, press [ENTER]. If you want to write a selected song, press [EXIT] and use the [◀] [▶] buttons to select a song. When the display indicates "CD Track Set OK," press [▶] button.

### 3 Start writing!

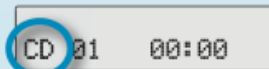
1. Choose "FINALIZE Are You Sure?"
2. Press the [ENTER] button.
3. Your new audio CD will be completed in four or five minutes.



## Listen to the completed CD

1. Place the CD in the CD tray.

When the CD is detected, the following screen will appear.



The left side of the screen will indicate "CD."

2. Use the [▶/|| Play/Pause] or [■ Stop] buttons to play or stop.