CD-2u/SD-2u Main specification

**Recording Media**
- CD-R/RW disc or SD/SDHC memory card

**Recording Songs**
- Up to 99 songs on a single SD/SDHC Memory Card, CD-R, or CD-RW

**Input/Output**
- **Audio Input**
  - Internal Stereo Microphones
  - EXT MIC (L, R) jacks: XLR type (balanced/phantom power DC 48 V, 8 mA Max.), 1/4-inch TRS phone type (balanced/unbalanced)
  - PLUG IN POWER MIC jack: Stereo miniature phone type
  - LINE IN (L, R) jacks: RCA phone type

- **Audio Output**
  - Internal Speakers: Stereo
  - LINE OUT (L, R) jacks: RCA phono type
  - PHONES jack: Stereo miniature phone type

**Power Supply**
- AC adaptor
- Alkaline battery (AA, LR6) x 6
- Rechargeable Ni-MH battery (AA, HR6) x 6

**Expected battery life under continuous use**
- Internal battery type: Approx. 5 hours
- Rechargeable battery type: Approx. 6 hours

**Accessories**
- Owner’s Manual, Quick Start, Remote controller (with battery CR2025), AC adaptor, Power cord, SD memory card, SD card protector, CD-R disc (Blank media/bundled with CD-2u only)

**Dimensions**
- CD-2u: 11 (W) x 7 -3/4 (D) x 2-3/16 (H) inches
- SD-2u: 278 (W) x 196 (D) x 55 (H) mm

**Weight**
- CD-2u: 1.4 kg (3 lbs 2 oz)
- SD-2u: 1.1 kg (2 lbs 7 oz)

**Current Draw**
- CD-2u: 1,000 mA
- SD-2u: 700 mA

**Expected battery life under continuous use**
- Alkaline battery (AA, LR6): Approx. 5.5 hours
- Rechargeable Ni-MH battery (AA, HR6): Approx. 6 hours

**Maximum recording time of one song**
- CD-2u: 74 minutes
- SD-2u: 1,511 minutes

**CD-R or CD-RW disc**
- Disc Capacity
  - 650MB: 74 min
  - 700MB: 80 min
  - 2GB: 189 min
  - 4GB: 377 min
  - 8GB: 755 min
  - 16GB: 1,511 min

**SD Memory Card**
- Supports SD Cards (up to 16GB, SDHC format compatible)
- Disc Capacity
  - 512 MB: 6 hours
  - 2GB: 13 hours
  - 4GB: 27 hours
  - 8GB: 54 hours

- Each recording time is approximate. The times may change depending on the card specifications.
- In case that there are plural files, the sum of recording time would be shorter than above.
- Maximum recording time of one song is 74 minutes.

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party’s copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner. Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.
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- Fugue © 1999-2013 Kyoto Software Research, Inc. All rights reserved.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.
- All specifications and appearances are subject to change without notice.
Your one-stop solution for practice, recording, sharing, and more.

The compact CD-2u is packed with a variety of features for multiple applications. Recording your rehearsals and practice sessions and listening back immediately enhances your productivity and helps you improve faster.

The CD-2u is highly acclaimed by teachers for its ease of use and sound quality.

CD-2u SD/CD RECORDER

*Compatible with up to 16 GB SDHC cards.

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For more effective dance lessons >>> P.11

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The CD-2u is the third CD-2 model we’ve used and it’s the most powerful yet.

Composer, arranger, and conductor
Mr. Masamichi Amano

With more microphone options and improved practice features, we’re able to record our rehearsals and play back pieces at a slower tempo with amazing clarity. Students are able to hear details of their performance and improve much more quickly as a result.

The CD-2u makes high-quality recordings we can review immediately.

Brass and woodwind band director
Mr. Masato Sato

It’s difficult to evaluate our performance while we’re playing. With the CD-2u, we can quickly identify areas for improvement and make faster progress as a group. We can also make CDs for more effective individual practice.

Students are really enjoying using the CD-2u to make their own recordings.

Music Teacher, RSA Academy
Ms. Laura Grice

With the CD-2u’s ease-of-use and portability, we can let our students become independent learners. They’re recording, performing, and creating the final product themselves.

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Using the SD/CD Recorder

For Ensembles

Useful Features
- Record rehearsals and listen back for instant review with your group.
- Professional sound quality lets you hear performances clearly.
- Play back well-known recordings at slow speed to study performance details.
- Record multiple performances and burn the best ones to CD.

Play back classic recordings slowly to study professional playing techniques.

Play back well-known recordings at slow speed to study performance details.

Record multiple performances and burn the best ones to CD.

Record, listen, and record again – that’s the key to steady progress.
The CD-2u lets you play back your performance right after you record it, so you can hear the results immediately. By listening to your ensemble objectively, you can easily identify areas for improvement. Listen to your recording together and discuss the performance, practice the parts that need attention, and then record again.

Record, listen, and record again – that’s the key to steady progress.

Burn CDs for each group member so they can listen to performances on their own.
The CD-2u lets you burn CDs quickly, without a computer. Each member of the group will then be able to listen carefully to performances or practices, making this a great tool for improving the quality of your ensemble.

Burn CDs for each group member so they can listen to performances on their own.

Use the included remote to record and play back without leaving your seat.
The CD-2u comes with a convenient remote control that lets you easily operate key functions from a distance, including the adjustment of recording levels and playback speeds.

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Instructors can use the CD-2u for impartial solo and chair auditions.
With a pre-recorded minus-one or accompaniment track, students can operate the CD-2u and make a sound-on-sound recording of their solo or audition material for later “blind” evaluation by the instructor or panel.

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**Play back classic recordings slowly to study professional playing techniques.**

With the Speed Change function, you can easily slow down music with fast tempos or challenging passages. This allows you to analyze subtle nuances that are hard to hear at normal speed, all with great clarity and sound quality.

**To record a large ensemble, elevate the external mic above to capture all the instruments.**

Playback with an external amplifier is recommended for use with a large band.
For Personal Practice

Useful Features

- With abundant input options, you can record any instrument.
- Create minus-one tracks for practicing vocals or solos.
- Change the key of any song to match the sheet music or your optimal range.
- Play back challenging passages slowly for practice.

Input jacks for connecting a variety of instruments and devices.

With XLR/TRS combo, Plug In, and Line In jacks, you can plug in external mics and/or nearly any electronic instrument for recording. You can also connect a music player to provide accompaniment, overdub your performance, and record the mix. Since you can instantly record and play back as many times as you wish, this is a great tool for improving your skills.

Input jacks for connecting a variety of instruments and devices.

Center Cancel lowers the volume of vocals, solos, and other center-located sounds, allowing you to create karaoke and “minus-one” tracks for practice and recording. Conversely, Center Focus emphasizes vocal and solo parts, making them easier to analyze and learn.

Change the key without sacrificing sound quality.

The Key Change function allows you to transpose any song into the perfect key for practice or recording. The sound quality remains the same, so you can use this feature in a variety of applications for vocals and instruments alike. For example, you can change the key of an accompaniment for alto sax to the appropriate key for flute.

Reduce the volume of lead vocals and solos in commercial recordings.

Center Cancel lowers the volume of vocals, solos, and other center-located sounds, allowing you to create karaoke and “minus-one” tracks for practice and recording. Conversely, Center Focus emphasizes vocal and solo parts, making them easier to analyze and learn.

Master difficult passages by slowing them down.

Fast pieces and passages are easier to learn and practice at reduced tempo. Begin slowly at first, then gradually increase the speed to build your proficiency. Since you can change the speed instantly without changing the pitch or the sound quality, you’ll be able to perfect challenging music in no time.

Speed Change

See more,

>> P.12

Key Change

See more,

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*Speed Change/Key Change and Center Cancel/Center Focus are not available when you playback from external audio sources.

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CD-2u Mobile music player

Headphones

Stereo Mini Rh-300

Stereo Headphones

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For Auditions

Step 1 Create a “minus-one” track
It’s easy to create a “minus-one” track of the music you’ll be performing — just import the song into the CD-2u and press the Center Cancel button. From the three cancellation types, choose the one that gives the most effective result and save it as a new song.

Step 2 Change the key
If the song’s key doesn’t match your instrument or vocal range, you can transpose it using the Key Change function. You can adjust the pitch by half steps without changing the tempo or the sound quality, and save the result as a new song.

Step 3 Overdubbing
Now it’s time to overdub your performance. First, adjust the recording level using the Rehearsal function, and then record along with the “minus-one” accompaniment. You can record as many times as you like to perfect your performance.

Step 4 Burn your performance to CD
After you’re satisfied with your recording, you can easily burn it to CD by following the instructions on the display. Once you’re done, you’re ready to send out your professionally recorded audition CD!

Record Any Instrument or Ensemble

Grand piano
Place the CD-2u near the concave portion of the curve of the piano’s body. Listen on headphones to the balance of tones from the strings and the soundboard, then adjust the position of the recorder for the optimal sound.

Acoustic guitar
Place the CD-2u about two to three feet (50 cm to 1 m) away from the guitar. Listen on headphones to the tone, and adjust the recorder’s position to get a good balance of the tones from the strings and the body.

String quartet
Position the CD-2u to achieve the best balance of sound between each instrument. Typically, the optimum distance will be about 10 to 12 feet (3 to 4 m) away from the center of the ensemble.

Band or orchestra
To record a large ensemble, use external microphones and elevate them above the center of the group. This will achieve the best balance between all the instruments.

Watch these videos to see the CD-2u in action! http://roland.cm/cd2u

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Useful Features

Easily make great-sounding recordings anywhere with nothing more than the CD-2u.
- High-quality stereo mic
  - See more, >>> P.12

Make custom CDs of your lesson materials.
- Easy operation
  - See more, >>> P.12

The CD-2u is simple to operate — anyone can use it right out of the box.
- The onboard tuner and metronome are useful for lessons.
- Built-in speakers deliver excellent sound quality.

For Dance Lessons

Increase or decrease the playback speed to the best tempo for dancing.

When learning new choreography, it can be easier to start at a slower tempo. The Speed Change function lets you play music slowly without changing the pitch, allowing you to progress gradually and improve smoothly. You can also increase the playback speed by up to two times for advanced dancing and exercise classes.

- Increase or decrease the playback speed
  - See more, >>> P.12

Practice difficult steps as many times as you like.

Learning to dance is about using your whole body, so repetition is a key to becoming a better dancer. If you have any passages or movements that are particularly difficult to perform, set that section to “A-B Repeat” and practice it as many times as you like. This is a very useful feature for practicing the same steps over and over again.

- Practice difficult steps
  - See more, >>> P.13

Using the SD/CD Recorder

Stereo Portable Amplifier
  - BA-330

CD-2u
  - Line Out
  - RCA Phono

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A-B Repeat

See more,

See more,

P.13

Using the SD/CD Recorder
The built-in condenser microphones are superior quality and mounted at the optimal aural position to create natural stereo imaging. Regardless of what you are recording or where, you can record a true stereo sound, clearly and distinctly.

**High-quality stereo mic**

Speed Change allows you to change the tempo without changing pitch. With the ability to change the speed between 50% and 200% with excellent audio quality, this is a great practice tool for musical instruments or even learning foreign languages. Play a song slowly to check the rhythm and nuance, then speed it up to performance tempo while you play.

**Speed Change**

The Center Cancel function reduces the volume of the vocal or instrument in the center of the stereo image, allowing you to create a simple karaoke or “minus-one” track for practicing. In contrast, the Center Focus function reduces the level of the accompaniment and highlights the lead vocal or instrument so you can easily learn the part by ear.

**Center Cancel/ Center Focus**

The CD-2u comes with a built-in CD drive, so you can do everything from recording to CD burning all in one device. Create CDs for karaoke, lessons, and auditions, and burn recordings of performances immediately to distribute to your group. You can burn audio that was originally recorded to the SD card, or record directly in real time to a CD-R/RW disc.

**CD Burning**

The Key Change button allows you to change the pitch (key) without changing the speed. For example, you can adjust the key of a lesson CD for practicing, or change the key of a karaoke CD so that it matches your vocal range. You can make adjustments in one-cent or half-step increments, and the audio will maintain its original quality — even if you adjust the key 12 half steps up or down.

**Key Change**

The useful A-B Repeat function allows you to play back a specific audio section over and over again, looping between a designated start point (point A) and end point (point B). Together with the Speed Change, this can be very useful in a variety of situations, such as playing by ear or analyzing complex passages. It’s also great for practicing choreography, learning foreign languages, and more.

**A-B Repeat**

Both the CD-2u and SD-2u support battery-powered operation. With six AA-size alkaline or rechargeable Ni-MH batteries, you can record up to 5.5 hours* without a power supply**.

**Battery Operation**

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**Specialized Features**

- Illuminated buttons and large knobs eliminate confusion, while the intuitive Easy Guide function walks you through operations that require multiple actions in a step-by-step fashion — everything from basic Recording and Rehearsal to Overdub and Karaoke.

- Easy operation

- The Key Change button allows you to change the pitch (key) without changing the speed. For example, you can adjust the key of a lesson CD for practicing, or change the key of a karaoke CD so that it matches your vocal range. You can make adjustments in one-cent or half-step increments, and the audio will maintain its original quality — even if you adjust the key 12 half steps up or down.

- The useful A-B Repeat function allows you to play back a specific audio section over and over again, looping between a designated start point (point A) and end point (point B). Together with the Speed Change, this can be very useful in a variety of situations, such as playing by ear or analyzing complex passages. It’s also great for practicing choreography, learning foreign languages, and more.

- The CD-2u comes with a built-in CD drive, so you can do everything from recording to CD burning all in one device. Create CDs for karaoke, lessons, and auditions, and burn recordings of performances immediately to distribute to your group. You can burn audio that was originally recorded to the SD card, or record directly in real time to a CD-R/RW disc.

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* When you use Ni-MH batteries, expected battery life is approx. 6 hours.
** When using the CD-2u with battery power, only SD playback and recording are available. The included AC adaptor is required for all CD drive functions.
### Specialized Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High-quality stereo mic</strong></td>
<td>The built-in condenser microphones are superior quality and mounted at the optimal aural position to create natural stereo imaging. Regardless of what you are recording or where, you can record a true stereo sound, clearly and distinctly.</td>
</tr>
<tr>
<td><strong>Speed Change</strong></td>
<td>Speed Change allows you to change the tempo without changing pitch. With the ability to change the speed between 50% and 200% with excellent audio quality, this is a great practical tool for musical instruments or even learning foreign languages. Play a song slowly to check the rhythm and nuance, then speed it up to performance tempo while you play.</td>
</tr>
<tr>
<td><strong>Center Cancel/ Center Focus</strong></td>
<td>The Center Cancel function reduces the volume of the vocal or instrument in the center of the stereo image, allowing you to create a simple karaoke or &quot;minus-one&quot; track for practicing. In contrast, the Center Focus function reduces the level of the accompaniment and highlights the lead vocal or instrument so you can easily learn the part by ear.</td>
</tr>
<tr>
<td><strong>CD Burning</strong></td>
<td>The CD-2u comes with a built-in CD drive, so you can do everything from recording to CD burning all in one device. Create CDs for karaoke, lessons, and auditions, and burn recordings of performances immediately to distribute to your group. You can burn audio that was originally recorded to the SD card, or record directly in real time to a CD-R/RW disc.</td>
</tr>
<tr>
<td><strong>Easy operation</strong></td>
<td>The CD-2u makes it simple for anyone to make great recordings. Illuminated buttons and large knobs eliminate confusion, while the intuitive Easy Guide function walks you through operations that require multiple actions in a step-by-step fashion — everything from basic Recording and Rehearsal to Overdub and Karaoke.</td>
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<tr>
<td><strong>Key Change</strong></td>
<td>The Key Change button allows you to change the pitch (key) without changing the speed. For example, you can adjust the key of a lesson CD for practicing, or change the key of a karaoke CD so that it matches your vocal range. You can make adjustments in one-cent or half-step increments, and the audio will maintain its original quality — even if you adjust the key 12 half steps up or down.</td>
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<tr>
<td><strong>A-B Repeat</strong></td>
<td>The useful A-B Repeat function allows you to play back a specific audio section over and over again, looping between a designated start point (point A) and end point (point B). Together with the Speed Change, this can be very useful in a variety of situations, such as playing by ear or analyzing complex passages. It’s also great for practicing choreography, learning foreign languages, and more.</td>
</tr>
<tr>
<td><strong>Battery Operation</strong></td>
<td>Both the CD-2u and SD-2u support battery-powered operation. With six AA-size alkaline or rechargeable Ni-MH batteries, you can record up to 5.5 hours* without a power supply**.</td>
</tr>
</tbody>
</table>

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* When you use Ni-MH batteries, expected battery life is approx. 6 hours.
** When using the CD-2u with battery power, only SD playback and recording are available. The included AC adaptor is required for all CD drive functions.
The SD-2u is a simple, SD card-only model that comes in an attractive pearl white finish. It offers the same great features as the CD-2u, minus the built-in CD drive. This makes it ideal for those who need recording, playback, and practicing functionality without the use of CDs.

SD card-only model

with pearl white finish.

An extensive range of options are available that expand the uses of the CD-2u/SD-2u.

**SD card-only model SD-2u, Options**

<table>
<thead>
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<tr>
<td>Carrying Case</td>
<td>CB-CD2E</td>
</tr>
<tr>
<td>Speaker Stand</td>
<td>for BA-330/BA-55 ST-A95</td>
</tr>
<tr>
<td>Battery Powered Amplifier</td>
<td>BA-330/BA-55</td>
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<tr>
<td>Battery Powered Portable Amplifier</td>
<td>MOBILE BA</td>
</tr>
<tr>
<td>Stereo Microphone</td>
<td>CS-15RS</td>
</tr>
<tr>
<td>Stereo Headphones</td>
<td>RH-300</td>
</tr>
</tbody>
</table>

**Easy-to-use operation panel**

- **Top panel**
  - Easy Guide Button
  - Volume knob
  - Input level knob
  - SD/SDHC card slot
  - High quality stereo speakers
  - Metronome button
  - Play mode buttons
  - CD tray

- **Side panel**
  - XLR/TRS Combo jacks (with phantom power)
  - Plug In Power Mic jack
  - RCA Line In jacks
  - RCA Line Out jacks
  - Headphone jack
  - Input level knob
  - Volume knob
  - XLR/TRS Combo jacks (with phantom power)
  - SD/SDHC card slot
  - Plug In Power Mic jack
  - RCA Line In jacks
  - RCA Line Out jacks
  - Headphone jack
  - Input level knob
  - Volume knob
  - XLR/TRS Combo jacks (with phantom power)
  - SD/SDHC card slot
  - Plug In Power Mic jack
  - RCA Line In jacks
  - RCA Line Out jacks
  - Headphone jack
  - Input level knob
  - Volume knob
  - XLR/TRS Combo jacks (with phantom power)
  - SD/SDHC card slot
  - Plug In Power Mic jack
  - RCA Line In jacks
  - RCA Line Out jacks
  - Headphone jack

**SD-2u SD RECORDER**

The SD-2u is a simple, SD card-only model that comes in an attractive pearl white finish. It offers the same great features as the CD-2u, minus the built-in CD drive. This makes it ideal for those who need recording, playback, and practicing functionality without the use of CDs.

*Compatible with up to 16 GB SDHC cards.*
The SD-2u is a simple, SD card-only model that comes in an attractive pearl white finish. It offers the same great features as the CD-2u, minus the built-in CD drive. This makes it ideal for those who need recording, playback, and practicing functionality without the use of CDs.

An extensive range of options are available that expand the uses of the CD-2u/SD-2u.

- Carrying Case CB-CD2E
- Stereo Portable Amplifier BA-330
- Battery Powered Portable Amplifier BA-55
- Speaker Stand for BA-330/BA-55 ST-A95
- Battery Powered Stereo Amplifier MOBILE BA
- Stereo Microphone CS-15RS
- Stereo Headphones RH-300

*Compatible with up to 16 GB SDHC cards.*

CD-2u/SD-2u Main specification

- Recorder Part (SD-2u supports SD/SDHC Memory Card only)
- Recording Media: CD-R/RW disc or SD/SDHC memory card
- Recording Songs: Up to 99 songs on a single SD/SDHC Memory Card, CD-R, or CD-RW

Audio Input:
- Internal Stereo Microphones
- EXT MIC (L, R) jacks: XLR type (balanced/phantom power DC 48 V, 8 mA Max.), 1/4-inch TRS phone type (balanced/unbalanced)
- PLUG IN POWER MIC jack: Stereo miniature phone type
- LINE IN (L, R) jacks: RCA phono type

Audio Output:
- Internal Speakers: Stereo
- LINE OUT (L, R) jacks: RCA phono type
- PHONES jack: Stereo miniature phone type

Power Supply:
- AC adaptor
- Alkaline battery (AA, LR6) x 6
- Rechargeable Ni-MH battery (HR6) x 6

Current Draw:
- CD-2u: 1,000 mA
- SD-2u: 700 mA

Expected battery life under continuous use:
- Alkaline battery (AA, LR6): Approx. 5.5 hours
- Rechargeable Ni-MH battery (AA, HR6): Approx. 6 hours

- The time may vary according to usage conditions, batteries used, and type of SD memory card used.

Accessories:
- Owner’s Manual, Quick Start, Remote controller (with battery CR2025), AC adaptor, Power cord, SD memory card, SD card protector, CD-R disc (Blank media/bundled with CD-2u only)

Dimensions:
- 278 (W) x 196 (D) x 55 (H) mm
- 11 (W) x 7-3/4 (D) x 2-3/16 (H) inches

Weight:
- SD-2u: 1.1 kg (2 lbs 7 oz)

* The time may vary due to audio recording, video recording, copy or mixing of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and attribution, sale, leases, performance, or broadcast without the permission of the copyright owner. Roland does not use this product for purposes that could infringe a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.

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