



SHARP

BeatJam

Get started with BeatJam



BeatJam





About copyrights

Music is protected by copyright law throughout the world. Audio CDs and broadcasted music can be copied for personal use only. It is prohibited to distribute, broadcast or publish your music copies on the Internet without permission of the copyright holders (including the record companies).

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OpenMG™

NetMD™

BeatJam

2



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Conventions

- This manual is described using Windows® XP. Screenshots may look different depending on your OS.
- 1024 x 768 pixels screens are used for the description. They may vary according to your settings.
- Menu, display and item names are in brackets ([]) and buttons in setting screens are shaded.
- Some screen designs may vary depending on the product, external device and medium.
- The default design for the mini player (charge navy blue) is used for the description. The design depends on the skin type. (Refer to page 32.)

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About Help -details on BeatJam-

You can find more operational information or view troubleshooting.

Opening Help

- Click **Help** on the main player.
- Click **MENU** on the mini player and select [Help] from the menu.

Click **Help** to view the description on each setting.



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About BeatJam

1

BeatJam allows you to create high quality music files from audio CDs, play and organize files on your PC. You can also transfer those files to audio devices that support "OpenMG" and "MagicGate" (copyright protection technologies). BeatJam adopts OpenMG. Enjoy recording and playing music without infringing on their copyrights.

2

◆ Recording and playing audio CDs

You can create music files in OpenMG format from audio CDs and play files on your PC or transfer to compatible audio devices. Music can be recorded to MDs and other media.

3

◆ Categorizing and managing music files automatically

Files are sorted by album, artist and genre. You can create a playlist.

4

◆ Using music files stored on your PC

Music files in MP3 and WAVE format can be played and controlled with BeatJam. You can convert these files to OpenMG format for checking out to other devices.

5

◆ Listening to recorded and managed music on your audio device

Check out music files to OpenMG compatible audio devices. You can transfer music recorded with BeatJam from an audio CD up to three times. The order and titles of files can also be changed.

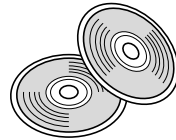
6

About BeatJam

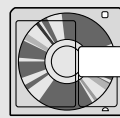
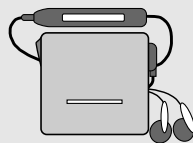
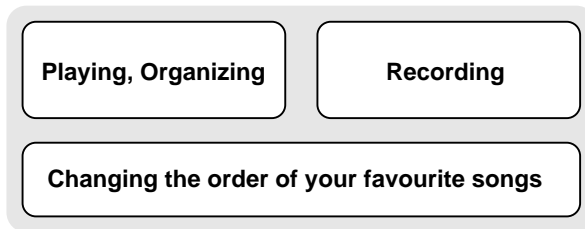
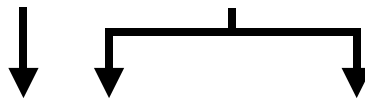
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Music File



Audio CD



Listening with external devices or media



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About BeatJam

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About copyright -OpenMG-

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Music is protected by copyright law. Audio CDs and broadcasted music can be copied for personal use only.

It is prohibited to distribute or broadcast copies or publish your music copies on the Internet without permission of the copyright holders (including the record companies).

Please respect the copyright law when using BeatJam music files.

2

◆ What is “OpneMG” copyright protection technology ?

Copyright protection technology which is used when creating and playing music files. Data are encrypted to disable transferring to other PCs and illegal distribution on the Internet.

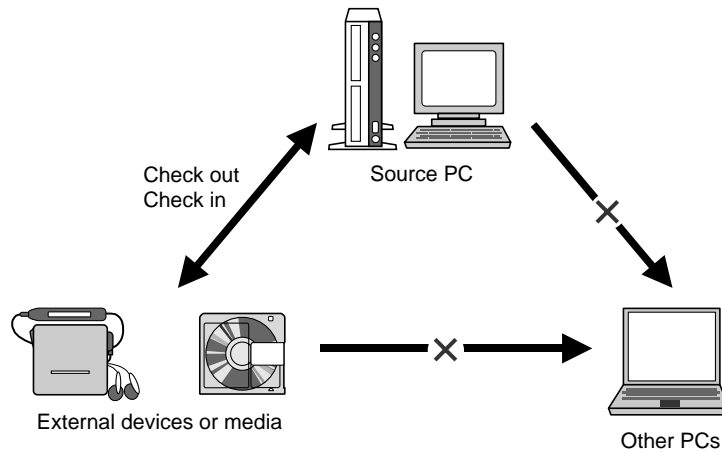
3

About copyright -OpenMG-

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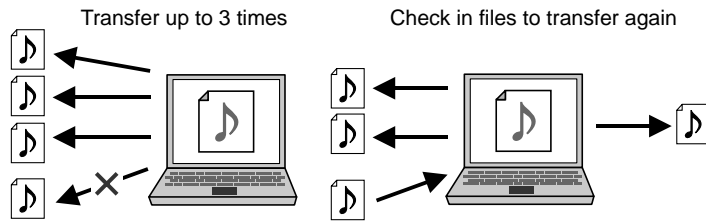
6



6



OpenMG files recorded from audio CDs can be transferred up to three times. Check in files to the source PC to check them out to other devices or media.



1

◆ Restrictions based on OpenMG's copyright protection

BeatJam employs OpenMG. The following restrictions are applied to music files recorded or edited by BeatJam.

- Music files recorded with BeatJam can only be played on the source PC.
- Even if you copy files transferred to external devices or media, files cannot be played back on other PCs.
- Files transferred to external devices or media can only be checked in to the source PC.
- Certain conditions (playing period, count) may be applied, depending on the copyright holders or service providers.

About copyright -OpenMG-

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For details on OpenMG, visit <http://www.openmg.com/>



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Installing BeatJam

◆ Before you begin

1

See the table below for the system requirements, especially free space and memory.

2

OS	Windows® XP Home Edition*1/ Professional*1	Windows® Millennium Edition	Windows® 98 Second Edition	Windows® 2000 Professional*1
CPU	Pentium® II 300 MHz or higher (MMX® Pentium® 233 MHz minimum)	MMX® Pentium® 233 MHz or higher (MMX® Pentium® 200 MHz minimum)		MMX® Pentium® 233 MHz or higher (MMX® Pentium® 200 MHz minimum)
Memory	128 MB or more (64 MB minimum)	64 MB or more		64 MB or more
Others	<ul style="list-style-type: none"> ● Display...1024 x 768 resolution, High Color or upper ● Sound source...Sound card 			

3

Before you begin

4

*1 To use this software, login as system administrator (computer administrator).

5

Installing BeatJam

Hard disk space

120 MB or more

* Additional space is required to store music data.

* The required space depends on the format or reserved space.

6

- USB ports are required to connect with external devices or media. The operation via USB hub is not guaranteed.
- Depending on the driver or CD-ROM drive, audio CDs may not be recorded.
- Operations are not guaranteed when using BeatJam
 - on dual-boot computers.
 - with other music software simultaneously.
 - with different version simultaneously.
- You cannot use BeatJam with programs that create virtual CD-ROM drives.
- You cannot use BeatJam when more than one OpenMG compatible audio device is connected.

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◆ Installation

Plugin and USB driver required for transferring music files are also installed along with BeatJam.

1. Insert **BeatJam CD-ROM** into the CD-ROM drive.
Setup application appears.




2. Click .
Setup starts.
Follow the instructions on the screen.



Tip

Installation does not start even if CD-ROM is inserted
If the setup application does not appear, perform the following.

1. Click **Windows [Start] button** and select **[My Computer]**.
Double click **[My Computer]** on the desktop if you use Windows® Me, 98SE or 2000.
2. Right click on  **[OMGBJ]** indicating CD-ROM drive and select **[Open]** from the menu.
3. Double click **AUTOPLAY.EXE** from the list.



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Installation

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Installing BeatJam

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Installation

Installing BeatJam

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Caution

Windows® XP/2000

User with Administrator* rights needs to log on. Confirm with the network or computer Administrator if you are in a workgroup.

* User name in Administrator or Administrators group under Windows® 2000.



Caution

For Windows® XP and Me user

When you use the "System Restore" system tool in Windows® XP or Windows® Me, all the music files that you recorded or imported may become unplayable.

Please back up all your music files using the Backup Tool before executing "System Restore".



Caution

If a previous version of OpenMG Jukebox* or SonicStage* is currently installed on your computer

OpenMG Jukebox or SonicStage should be upgraded. The screen appears to prompt you to upgrade the software. Click [Continue] to proceed.

* OpenMG Jukebox and SonicStage are softwares of Sony Corporation.



Caution

Hard disk contains old BeatJam database

You can select to reuse or delete the database during setup.



Caution

Do not play BeatJam setup CD with audio devices

Loud noise may damage your hearing and speakers.



Tip

Keep CD-ROM handy

BeatJam setup CD will be used for reinstallation. Keep it after the installation.



Tip

Uninstalling

1. Click Windows [Start] button and select [All Programs*1 - Justsystem - BeatJam - BeatJam Uninstall].

2. Click [Yes] on the confirmation screen.

Uninstallation starts.

*1 [Program] under Windows® Me/98SE/2000.

You can also delete from [Change/Delete] under [Control Panel - Add/Delete Programs]*1 in Windows [Start]*2 menu.

*1 For Windows® Me/98SE/2000, delete from [Setting - Control Panel - Add/Delete Programs].

*2 For Windows® Me/98SE, delete from [Installation/Delete].



◆ Launching and quitting BeatJam

Start BeatJam after the setup.

◆ Launch BeatJam

Close other OpenMG applications or music softwares.

1. Double click  [BeatJam] on the desktop.

Click Windows [Start] button and select [All Programs* - Justsystem - BeatJam - BeatJam].
 * For Windows® Me/98SE/2000, start from [Program].

◆ Quit BeatJam

You can exit either from the main player or the mini player.
The player from which you exit will appear next time.

- Main player ▶ See “Main player” on P. 24.

1. Click  on the upper right of the screen.



Click

- Mini player ▶ See “Mini player” on P. 32.

1. Click .



Click

Launching and quitting BeatJam
Installing BeatJam

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Using BeatJam

◆ Recording audio CD to MD

Data can be recorded on a PC and other medium at the same time.

1 Entering information

1. Start BeatJam.

▶ See "Launch BeatJam" on P. 11.

2. Click **CD** at the top of the main player.

CD panel appears.

3. Insert an audio CD to CD drive.

Click  if started automatically.

The audio CD information appears automatically.

4. Click [Album Title] and enter a name.



Click and enter a name

5. Click [Artist] and enter a name.

6. Click [Genre] and enter a genre.

Or click the rightmost  and select from the list.

7. Select a song from the list.

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Recording audio CD to MD

Using BeatJam

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8. Click [Title] and enter a name.

9. Press the **Enter** key.
The title is set.



10. Repeat steps 7 to 9 if necessary.



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Recording audio CD to MD
Using BeatJam



 **Caution** **First time use**
When setting an audio CD for the first time, drive check will be performed to see if an audio CD is played or recorded properly.
The following CDs will not be checked.

- 8 cm CD
- The second last song is less than 90 seconds
- CD containing extremely low sounds



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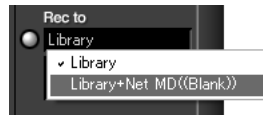
2 Recording

1. Select songs and check the boxes .

Only checked songs are recorded.

2. Insert the MD.

3. Click [Rec to] and select [Library + Net MD].



4. Select the recording mode from LP SP.

▶ See "To set MD recording mode" on P. 15.

5. Select the bit rate from 132k 105k 66k.

The higher the rate, the better the sound quality.

If LP in step 4 and 132 or 105 kbps in the bit rate are selected, the mode is set to LP2 (priority on the sound quality).

If LP and 66 kbps are selected, the mode is set to LP4 (priority on the recording time).

6. Click .

Recording to CD and checking out to MD start at the same time. You can see the status on the screen.

The screen closes when finished. A playlist is created and you can manage the recorded songs in the library.

▶ See "Playing a playlist" on P. 19.

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Recording audio CD to MD

Using BeatJam

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Caution

Free space

Check that the external device has enough free space before transferring data. You cannot check out if the space is insufficient.



Tip

Sound is heard from the connected device

If an audio device is connected, the play sound may be heard from that device.

You can change the output to PC, except for songs recorded on Net MD compatible devices.



Tip

To set MD recording mode

You can select LP (stereo long time recording) or SP (stereo recording). LP mode has 2 types and is set depending on the bit rate (LP2 and LP4).

Recording mode

- **LP2**
For better sound quality. The recording time is twice as long as SP. You can play on MDLP compatible players.
- **LP4**
For longer recording time. The recording time is 4 times of SP. You can play on MDLP compatible players.
- **SP**
Standard stereo recording. You can use MDLP non-compatible players.



Recording audio CD to MD

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◆ Editing CD song order for recording to MD

A playlist is created when recording audio CDs. You can make your own list in the desired order.

◆ Audio CD

Select songs from audio CDs.

1 Enter CD information

▶ See "Entering information" on P. 12.

2 Recording

1. Select songs from the list and check boxes .


Only checked songs can be recorded.

2. Click [Rec to] and select [Library].

3. Select the bit rate from 132k 105k 66k.

The higher the rate, the better the sound quality.

4. Click .

You can see the status on the screen. Click  to stop recording.

5. Click when finished.

A playlist is created and the recorded songs are controlled in the library.

Using BeatJam
Editing CD song order for recording to MD

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◆ Making new playlists

You can also create a playlist of your favourite music.

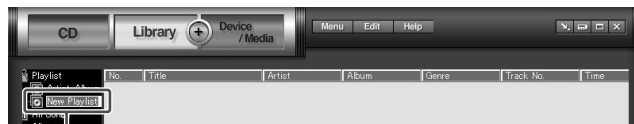
1 Creating a list

1. Click **Library** at the top of the main player.

Library panel appears.

2. Click **Edit** and select [Create new playlist] from the menu.

A playlist is created.



A new playlist is created.

3. Enter a name for the new list.

4. Press the **Enter** key.

Editing CD song order for recording to MD
Using BeatJam

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2 Adding songs to a playlist

1. Select the group containing songs to add to the playlist from [All songs] to [Preferred search] in the category list.
2. Select the desired songs from the list.
Whilst pressing the **[Ctrl]** key, click the song to select non-contiguous songs.
Whilst pressing the **[Shift]** key, click the song to select consecutive songs.
3. Drag and drop the songs to the new list.

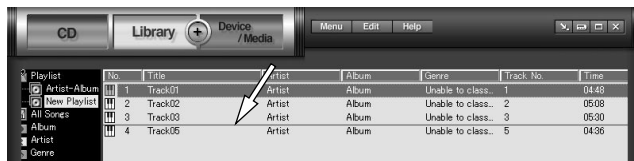
Category list



The songs are added to the playlist.
Repeat steps 1 to 3 for other songs.

3 Changing the order of the songs




1. Select the new playlist from the category list.
2. Drag and drop songs to change the order.



Songs are played in numeric order.



◆ Playing a playlist

1. Click  at the top of the main player.
The library panel appears.
2. Select a list from [Playlist] in the category list.
3. Click .
Songs are played in numeric order.
Click  to stop play.

Editing CD song order for recording to MD

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Using BeatJam



Tip

Managing the recorded songs

Songs are sorted by the album title or artist under each folder (album, artist and genre) in the library.

All playlists including the one you created are also controlled in the library.

You can play the desired song by selecting from a playlist, group or library.

Refer to Help for details.



Tip

Audio file formats playable with BeatJam

The formats playable with BeatJam are as follows.

- Audio CDs
- OpenMG files created with BeatJam on your PC
- MP3
- WAVE



Tip

Combining songs

You can combine multiple songs in the same playlist or group.

The combined song can also be divided into two.

Refer to Help for operations.

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◆ Transferring/checking out songs to external devices or media

Check out is to transfer songs to OpenMG compatible players. You can check out recorded songs with BeatJam up to 3 times.

Using BeatJam Editing CD song order for recording to MD

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1 Connect the external device to your PC

Refer to the manual of the device for details.

2 Transfer music files to the external device (check out)

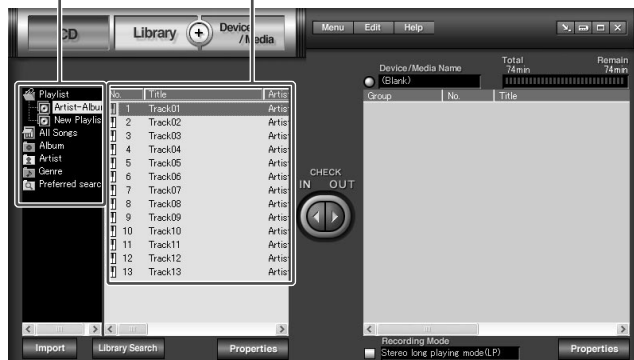
1. Start BeatJam.

▶ See “Launch BeatJam” on P. 11.

2. Click the  at the top of the main player.

The check in/check out panel appears.

Category list Song list in the library



3. Select the playlist containing the desired songs.

4. Select the songs in the library.

Whilst pressing the **[Ctrl]** key, click the song to select non-contiguous songs.
Whilst pressing the **[Shift]** key, click the song to select consecutive songs.

5. When checking out to Net MD compatible devices, click  in [Recording Mode] to select the MD recording mode.

▶ See “To set MD recording mode” on P. 15.

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6. Click .

You can see the check out status on the screen.
 The screen closes when finished. The song is added to the device/ media song list.
 If the music file is not OpenMG, the message appears to prompt you to change the format.
 Click [Yes] to change.


Editing CD song order for recording to MD

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






Caution


Connection to external devices
 Do not remove the USB cable or media before check out is complete. It may cause data damage or malfunction.



Tip




Marks indicated before song names
 Marks stand for the file types.
 See below for the meanings.


<ul style="list-style-type: none">  ... Check out up to 3 times  ... Check out up to twice  ... Check out once  ... Cannot be checked out 	<ul style="list-style-type: none">  ... WAVE format  ... MP3 format  ...Restriction is added
--	---



Tip

Converting to OpenMG
 MP3 and WAVE files should be converted to OpenMG before checking out to external devices.
 Proceed as follows to change the format.

1. Click  **at the top of the main player.**
 The library panel appears.
2. **Select a playlist or group including the desired songs.**
3. **Select the songs to convert to OpenMG format.**
 Whilst pressing the **[Ctrl]** key, click the song to select non-contiguous songs.
 Whilst pressing the **[Shift]** key, click the song to select consecutive songs.
4. Click  .
 The conversion starts and the status screen appears.
 The songs are converted to OpenMG.
5. Click  **when finished.**



Tip

Creating a group
 Songs can be grouped with Net MD compatible devices.
 Right click on the device/media song list. Select [Create new group] from the menu.





◆ Returning/checking in songs to your PC

Check in means to return the songs from external devices to the PC. You can check in songs only to the source PC.

1 Connect the external device to your PC

Refer to the manual of the device for details.

2 Return a music file to your PC

1. Start BeatJam.

▶ See "Launch BeatJam" on P. 11.

2. Click at the top of the main player.

The check in/check out panel appears.

Song list for device/media



3. Select the desired songs from the song list.

Whilst pressing the **[Ctrl]** key, click the song to select non-contiguous songs.

Whilst pressing the **[Shift]** key, click the song to select consecutive songs.

4. Click .

Check in starts and the status screen appears.

The screen closes when finished.

The song is returned to the library song list.



Caution Connection to external devices

Do not remove the USB cable or media before check in is complete. It may cause data damage or malfunction.

Using BeatJam Returning/checking in songs to your PC

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◆ Reordering the songs in external devices or media

You can change the order of the songs, song names or delete songs recorded on external devices. Change the order as follows.

1 Connect the external device to your PC

Refer to the manual of the device for details.

2 Change the order

1. Start BeatJam.

▶ See “Launch BeatJam” on P. 11.

2. Click at the top of the main player.

Song list



3. Select the desired song from the song list.

4. Drag and drop the song to change the order.



Editing song names

Select the desired song and click the [Title] to enter a new name.

Tip

Using BeatJam Reordering the songs in external devices or media

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Player screen

◆ Main player

1

Part names and functions of the main player.

* Screen design may vary depending on the mode, external devices/media.

2

◆ Main player: elements common to every panel

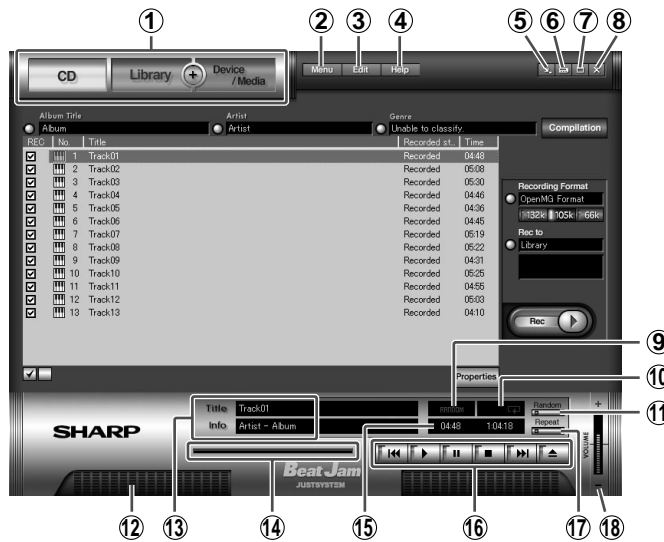
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Main player



① Panel Switch Button

Click to switch panel.

● CD panel ▶ P. 26

Play and recording of audio CDs

● Library panel ▶ P. 28

Playing and managing songs recorded with BeatJam

● Device/media panel ▶ P. 29

Displays and edits songs in external devices.




● Check in/check out panel ▶ P. 30

Transfer files between a PC and external device.

Click to open the panel.

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- ② **Menu Button**
Displays BeatJam menus.
- ③ **Edit Menu Button**
Shows the edit menu for currently displayed panel.
- ④ **Help Button**
BeatJam Help appears.
- ⑤ **Tray Button**
Put BeatJam in the task tray.
Double click  in the task tray to open the player.
- ⑥ **Mini Player Button**
Switch to the mini player.
- ⑦ **Maximise Button**
The main player appears in full screen.
Click again to return to original size.
- ⑧ **Exit Button**
Closes BeatJam.
- ⑨ **Random Indicator**
Shows songs are played in random order.
- ⑩ **Repeat Indicator**
Indicates songs are repeated.
 -  Repeats the song currently played.
 -  All songs in the playlist are repeated.


- ⑪ **Random Button**
Sets random play. See [Random Indicator].
- ⑫ **Spectrum Analyser**
Shows levels of left and right channels in different frequency bands in stereo.
- ⑬ **Title/Info**
Song, artist and album names are displayed for the songs selected or currently played.
- ⑭ **Play Slider**
Indicates the portion currently played. Specify the play position by dragging the knob or clicking on the slider.
- ⑮ **Time Display**
Shows playing time of the selected or currently played song and the total playing time of songs in a group, on a CD or external device.
- ⑯ **Operation Buttons**
Play, pause, stop, return to the previous song and skip to the next.
- ⑰ **Repeat Button**
Sets repeat play. See [Repeat Indicator].
- ⑱ **Volume Buttons and Indicator**
Shows volume level. Click + or - button to adjust.




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Main player

Player screen



To switch from the mini player to the main player
Click  on the mini player.

Tip

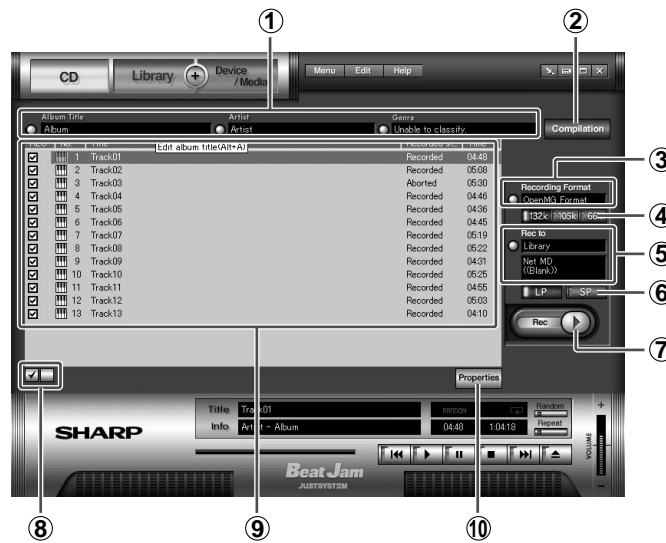




◆ Main player: CD panel

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Main player



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Player screen

- ① **Audio CD (album) information**
Album/artist names and genre are displayed.
Click on each information to edit.
- ② **Compilation**
You can set the artist name or genre for each song. Use this to edit CDs containing songs by multiple artists or genres.
- ③ **Recording Format**
The recording format is displayed.
You can change the bit rate using the song bit rate button.
- ④ **Song Bit Rate Button**
Select the bit rate to compress audio data.
- ⑤ **Rec to**
Recording destination is displayed such as [Library], [Library + Net MD]. Click to select the destination.
- ⑥ **MD Recording Mode Button**
▶ P. 15
Switch the mode to transfer songs to an MD. Appears if [Library + Net MD] is selected for [Rec to]. Choose LP for MDLP compatible MD players and SP for non-compatibles.
- ⑦ **Recording Button**
Recording starts by clicking and status screen appears.
- ⑧ **Select/Cancel Buttons**
You can select all songs for the recording or uncheck songs.



⑨ Song List

The song order on an audio CD, names and playing time of the songs are listed. To display artist names or genres for each song, click **Compilation**.

You can also edit the above items or select the desired songs.

⑩ Properties

The edit screen for song or artist names is displayed.



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Main player

Player screen



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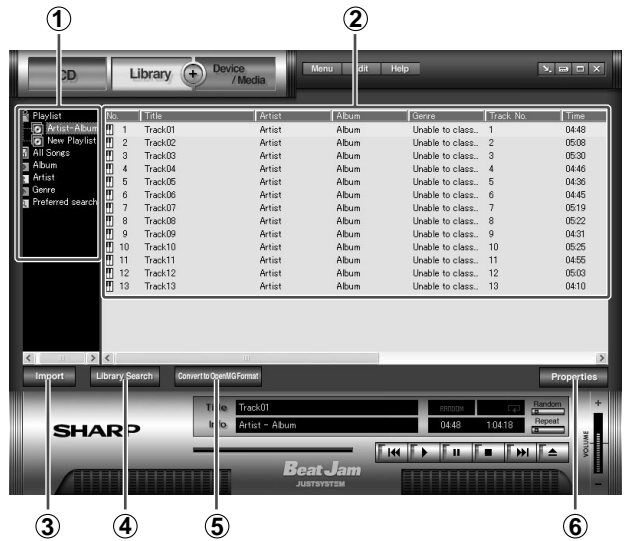


◆ Main player: Library panel

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Main player

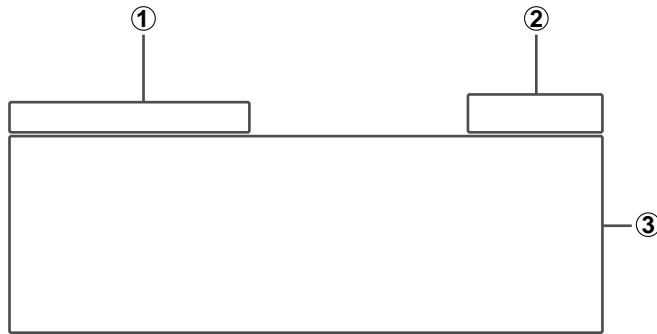
Player screen



- ① **Category list**
Categories or groups for songs recorded or registered with BeatJam are listed.
 - **Playlist**
All playlists including the ones you created are displayed.
 - **All songs**
All songs managed by BeatJam are displayed.
 - **Album**
Album names managed by BeatJam are displayed.
 - **Artist**
Artist names managed by BeatJam are displayed.
 - **Genre**
Genre names managed by BeatJam are displayed.
 - **Preferred search**
Search criteria you set or used before.
- ② **Song list**
Shows the group names and number of the songs in the selected category, the order of the songs and song, artist and album names in the selected group and the remaining check out time. You can also check the restrictions added to the songs (playing period etc.).
- ③ **Import Button**
The music files in the PC are imported to BeatJam.
- ④ **Library Search Button**
You can search the music files in the library.
- ⑤ **Convert to OpenMG Format**
The format of the selected songs are changed to OpenMG.
- ⑥ **Properties Button**
Displays the album names or genres of the selected songs.



◆ Main player: Device/media panel



- ① **Device/Media Name**
The name of the connected external device appears. You can change the name from the menu which opens when you click here.
- ② **Available Space**
Capacity or free space of the connected device.
- ③ **Song List**
Shows the names or the order of songs recorded on your external device. If groups are found, the names of these groups will also be displayed. The order of all songs and the order within a group are indicated in [No.] and in brackets separately. Groups are not displayed if the device is not compatible with Net MD.

- ④ **Group Play Button**
Turn on/off the group play. The button does not appear with Net MD non-compatible devices.
Note:
 - Group play is possible with BeatJam even if the connected device does not support group functions.
 - To edit groups with BeatJam, press the **Edit** button on the top.
- ⑤ **Delete Button**
The selected group or songs are deleted.
- ⑥ **Check In Button**
Return songs to the PC.
- ⑦ **Properties**
Album or genre name or the song is shown.



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Main player

Player screen

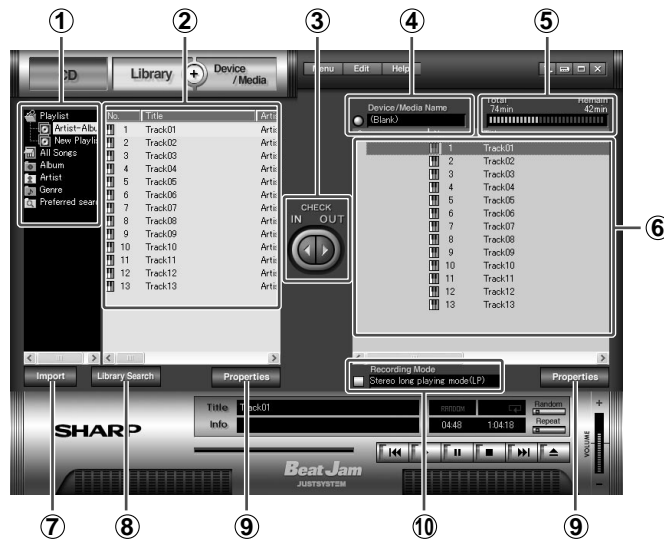




◆ Main player: Check in/check out panel

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Main player
Player screen



① Category list

Categories or groups for songs recorded or registered with BeatJam are listed.

- **Playlist**
All playlists including the ones you created are displayed.
- **All songs**
All songs managed by BeatJam are displayed.
- **Album**
Album names managed by BeatJam are displayed.
- **Artist**
Artist names managed by BeatJam are displayed.

- **Genre**
Genre names managed by BeatJam are displayed.
- **Preferred search**
Search criteria you set or used before.

② Library song list

Shows the group names and number of the songs in the selected category, the order of the songs and song, artist and album names in the selected group and the remaining check out time. You can also check the restrictions added to the songs (playing period etc.).



③ Check in/check out Buttons

Songs managed by BeatJam can be transferred to external devices or returned to PC.

④ Device/Media Name

The name of the connected external device appears.

You can change the name from the menu which opens when you click here.

⑤ Available space

Free space of the connected device.

⑥ Device/Media song list

Shows the names or the order of songs recorded on your external device.

If groups are found, the names of these groups will also be displayed.

The order of all songs and the order within a group are indicated in [No.] and in brackets separately. Groups are not displayed if the device is not compatible with Net MD.

⑦ Import Button

The music files in the PC are imported to BeatJam.

⑧ Library Search Button

You can search the music files in the library.

⑨ Properties Button

Displays the album name or genre of the song selected in the song list or the external device.

⑩ MD Recording Mode Button
▶ P. 15

Click the button on the left to switch the mode. Appears only when connected with Net MD compatible devices.



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Main player
Player screen

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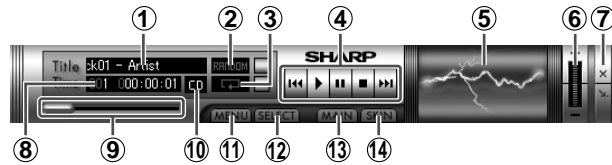


◆ Mini player

Parts names and functions of the mini player are described.

* The design varies according to the Skin. "charge navy blue" (default) is used in this description.

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① **Title**
Shows the title and artist name of the song.

⑦ **Exit Button**
Closes BeatJam.

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② **Random Indicator**
Shows songs are played in random order.

⑧ **No./Time display**
Shows the order of the songs, elapsed and remaining times. Click the elapsed/remaining time to switch the display.

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③ **Repeat Indicator**
Indicates repeat play. Click to change the mode.

⑨ **Play Slider**
Indicates the portion currently played. Specify the play position by dragging the knob or clicking on the slider.

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- Repeats the song currently played.
- All songs in a playlist are repeated.

⑩ **Select Indicator**
Shows play item such as [CD], [LIB] or [DM]. Click to switch the item.

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④ **Operation Buttons**
Play, pause, stop, return to the previous song and skip to the next.

⑪ **Menu Button**
Displays BeatJam menus.

⑤ **Spectrum Analyser**
Shows levels of left and right channels in different frequency bands in stereo.

⑫ **Select Button**
Select a song or group from the play item in [Select Indicator].

⑥ **Volume Buttons and Indicator**
Shows volume level. Click + or - button to adjust.

⑬ **Main Button**
Switches to the main player.

⑭ **Skin Button**
Opens the skin list to select the mini player design (skin).

Mini player

Player screen



Tip

To switch from the main player to the mini player

Click on the main player.

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Glossary

This section describes the terms related to BeatJam. Refer to the glossary in Help for the ones not listed below.

ATRAC3

Audio compression technology developed by Sony Corporation that satisfies both the high sound quality and high compression rates. The compression rate is about 10 times higher than that of the audio CDs, allowing users to reduce file sizes.

Net MD ▶ P. 14

This is an interface standard for connecting MD devices to a PC via USB. Net MD employs copyright protection technologies which enable high speed transfer of encrypted data.

OpenMG ▶ P. 6

This is a copyright protection technology used to create or play music files on PCs.

Using BeatJam, a software compliant with OpenMG, music data is encrypted before storing to a PC and can be played on that PC. OpenMG also prevents unauthorized distribution of data via the Internet.

SDMI

This is a forum consisting of music, computer and other related companies or organizations. The aim is to develop the integrated copyright protection technology for digital music. OpenMG is compliant with SDMI standard.

Check In/Check Out

▶ P. 6, 20, 22, 31

“Check Out” is to transfer music files managed by OpenMG compatible software to an external devices/media. Returning the music files to the PC is called “Check In”.

BeatJam allows you to check out a music file recorded from an audio CD three times.

Checked out copies cannot be checked in to other PCs.

Playlist ▶ P. 17, 19

A list of music files. All the songs are played in the order you arranged them.

BeatJam creates a playlist when you record music files from CD.

Library ▶ P. 16, 28

Music files recorded from audio CDs are stored in the Library. Files in a PC can also be moved to the Library. Stored music files are categorised into 4 types (All songs, Album, Artist and Genre). It is very useful to search the desired song.

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Glossary

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BeatJam_E

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